



Release Notes for Cisco CRS-1 and Cisco CRS-3 for Cisco IOS XR Software Release 4.3.0

Cisco IOS XR Software is a distributed operating system designed for continuous system operation combined with service flexibility and higher performance.

These release notes describe the features provided in the Cisco IOS XR Software Release 4.3.0 for the Cisco CRS router and are updated as needed.



Note

For information on the Cisco CRS router running Cisco IOS XR Software Release 4.3.0, see the [Important Notes on Cisco IOS XR Software and Cisco CRS Router](#), on page 121 section.

You can find the most current Cisco IOS XR software documentation at:

http://www.cisco.com/en/US/products/ps5763/tsd_products_support_series_home.html

These electronic documents may contain updates and modifications. For more information on obtaining Cisco documentation, see the [Obtaining Documentation and Submitting a Service Request](#), on page 129 section.

For a list of software caveats that apply to Cisco IOS XR Software Release 4.3.0, see the Caveats section. The caveats are updated for every release and are described at <http://www.cisco.com>.

We recommend that you view the field notices for this release located at the following URL to see if your software or hardware platforms are affected:

http://www.cisco.com/en/US/support/tsd_products_field_notice_summary.html

Cisco IOS XR Software running on the Cisco CRS Router provides the following features and benefits:

- **IP and Routing**—This supports a wide range of IPv4 and IPv6 services and routing protocols such as Border Gateway Protocol (BGP), Routing Information Protocol (RIPv2), Intermediate System-to-Intermediate System (IS-IS), Open Shortest Path First (OSPF), IP Multicast, Routing Policy Language (RPL), Hot Standby Router Protocol (HSRP), and Virtual Router Redundancy Protocol (VRRP) features.
- **BGP Prefix Independent Convergence**—This provides the ability to converge BGP routes within sub seconds instead of multiple seconds. The Forwarding Information Base (FIB) is updated, independent of a prefix, to converge multiple 100K BGP routes with the occurrence of a single failure. This convergence is applicable to both core and edge failures and with or without MPLS. This fast convergence innovation is unique to Cisco IOS XR Software.

- **Multiprotocol Label Switching (MPLS)**—This supports MPLS protocols, including Traffic Engineering (TE), Resource Reservation Protocol (RSVP), Label Distribution Protocol (LDP), Virtual Private LAN Service (VPLS), Layer 2 Virtual Private Network (L2VPN), and Layer 3 Virtual Private Network (L3VPN).
- **Multicast**—This provides comprehensive IP Multicast software including Source Specific Multicast (SSM) and Protocol Independent Multicast (PIM) in Sparse Mode only, and Bidirectional Protocol Independent Multicast (BIDIR-PIM).
- **Quality of Service (QoS)**—This supports QoS mechanisms including policing, marking, queuing, random and hard traffic dropping, and shaping. Additionally, Cisco IOS XR Software also supports modular QoS command-line interface (MQC). MQC is used to configure QoS features.
- **Manageability**—This provides industry-standard management interfaces including modular command-line interface (CLI), Simple Network Management Protocol (SNMP), and native Extensible Markup Language (XML) interfaces. Includes a comprehensive set of Syslog messages.
- **Security**—This provides comprehensive network security features including access control lists (ACLs); routing authentications; Authentication, Authorization, and Accounting (AAA)/Terminal Access Controller Access Control System (TACACS+), Secure Shell (SSH), Management Plane Protection (MPP) for management plane security, and Simple Network Management Protocol version3 (SNMPv3). Control plane protections integrated into line card Application-Specific Integrated Circuits (ASICs) include Generalized TTL Security Mechanism (GTSM), RFC 3682, and Dynamic Control Plane Protection (DCPP).
- **Availability**—This supports rich availability features such as fault containment, fault tolerance, fast switchover, link aggregation, nonstop routing for ISIS, LDP, BGP, and OSPF, and nonstop forwarding (NSF).
- **Multicast service delivery in SP NGN**—MVPNv4 support carries multicast traffic over an ISP MPLS core network.
- **IPv6 Provider Edge Router support for IPv6 applications**—This delivers IPv6 traffic over an IPv4/MPLS core with IPv6 provider edge router (6PE) support.
- **IPv6 VPN over MPLS (6VPE) support**—This delivers IPv6 VPN over MPLS (IPv6) VPN traffic over an IPv4 or MPLS core with 6VPE support.
- **IPv6 VPN over IP**—This delivers IPv6 VPN over IP traffic.



Note IPv6 VPN over MPLS and IPv6 VPN over IP won't co-exist

- **Carrier Grade Network Address Translation (CGN)**—This enables services providers to execute orderly transitions to IPv6 through mixed IPv4 and IPv6 networks. CGN provides address family translation but is not limited to just translation within one address family. CGN delivers a comprehensive solution suite for IP address management and IPv6 transition.
- **Enhanced core competencies:**
 - IP fast convergence with Fast reroute (FRR) support for intermediate System-to-Intermediate System (IS-IS) and OSPF
 - Traffic engineering support for unequal load balancing

- Traffic engineering over generic routing encapsulation (GRE) tunnel interfaces—LDP, L2VPN, and L3VPN over TE over GRE are supported. VPN routes over TE and over GRE, require a labelled path for path resolution
- VRF support for GRE tunnel interfaces—This support includes GRE tunnel interfaces under a VRF, however the GRE tunnel source and destination are in the global table
- RSVP support over GRE tunnels
- Path Computation Element (PCE) capability for traffic engineering

For more information about new features provided on the Cisco CRS router for Cisco IOS XR Software Release 4.3.0 see the New Cisco CRS Router Software Features section in this document.

- [System Requirements, page 3](#)
- [Determining Your Software Version, page 25](#)
- [Software Features Introduced in Cisco IOS XR Software Release 4.3.0, page 108](#)
- [Hardware Features Introduced in Cisco IOS XR Software Release 4.3.0 for Cisco CRS Router, page 120](#)
- [Important Notes on Cisco IOS XR Software and Cisco CRS Router, page 121](#)
- [Caveats, page 126](#)
- [Upgrading Cisco IOS XR Software, page 128](#)
- [Migrating Cisco CRS-1 to CRS-3, page 129](#)
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System Requirements

This section describes the system requirements for Cisco IOS XR Software Release 4.3.0 supported on the Cisco CRS Router.

To determine the software versions or levels of your current system, see the "[Determining Your Software Version](#)" section.

Feature Set Table

[Table 1: Cisco IOS XR Software Release 4.3.0 PIE Files, on page 3](#) lists the Cisco IOS XR Software feature set matrix (PIE files) and associated filenames available for the Cisco IOS XR Software Release 4.3.0 supported on the Cisco CRS router.

Table 1: Cisco IOS XR Software Release 4.3.0 PIE Files

Feature Set	Filename	Description
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Composite Package		
Cisco IOS XR IP Unicast Routing Core Bundle	hfr-mini-px.pie-4.3.0	Contains the required core packages, including OS, Admin, Base, Forwarding, Modular Services Card, Routing, SNMP Agent, and Alarm Correlation.
Cisco IOS XR IP Unicast Routing Core Bundle	hfr-mini-px.vm-4.3.0	Contains the required core packages including OS, Admin, Base, Forwarding, Modular Services Card, Routing, SNMP Agent, and Alarm Correlation.
Optional Individual Packages (Packages are installed individually)		
Cisco IOS XR Manageability Package	hfr-mgbl-px.pie-4.3.0	Common Object Request Broker Architecture (CORBA) agent, Extensible Markup Language (XML) Parser, and HTTP server packages.
Cisco IOS XR MPLS Package	hfr-mpls-px.pie-4.3.0	MPLS Traffic Engineering (MPLS-TE), Label Distribution Protocol (LDP), MPLS Forwarding, MPLS Operations, Administration, and Maintenance (OAM), Link Manager Protocol (LMP), Optical User Network Interface (OUNI), Resource Reservation Protocol (RSVP), and Layer-3 VPN.
Cisco IOS XR Multicast Package	hfr-mcast-px.pie-4.3.0	Multicast Routing Protocols (PIM, Multicast Source Discovery Protocol [MSDP], Internet Group Management Protocol [IGMP], Auto-RP), Tools (SAP, MTrace), and Infrastructure [(Multicast Routing Information Base [MRIB], Multicast-Unicast RIB [MURIB], Multicast forwarding [MFWD]), and Bidirectional Protocol Independent Multicast (BIDIR-PIM).

Cisco IOS XR Security Package	hfr-k9sec-px.pie-4.3.0	Support for Encryption, Decryption, IP Security (IPSec), Secure Shell (SSH), Secure Socket Layer (SSL), and Public-key infrastructure (PKI) (Software based IPSec support—maximum of 500 tunnels)
Cisco IOS XR FPD Package	hfr-fpd-px.pie-4.3.0	Firmware for Fixed Physical layer interface module (PLIM) and Shared port adapters (SPA) modules as well as ROM monitor (ROMMON) images for Cisco CRS chassis.
Cisco IOS XR Diagnostic Package	hfr-diags-px.pie-4.3.0	Diagnostic utilities for Cisco IOS XR routers.
Cisco IOS XR Documentation Package	hfr-doc-px.pie-4.3.0	.man pages for Cisco IOS XR Software on the Cisco CRS chassis.
Cisco IOS XR Video Package	hfr-video-px.pie-4.3.0	Support for Video Monitoring on Cisco CRS routers.
Cisco IOS XR Carrier Grade Services Engine Package	hfr-services-px.pie-4.3.0	Support for Carrier Grade NAT and Cloud Centric Networking on Cisco CRS routers.

Table 2: Cisco IOS XR Software Release 4.3.0 TAR Files, on page 5 lists the Cisco CRS Router TAR files.

Table 2: Cisco IOS XR Software Release 4.3.0 TAR Files

Feature Set	Filename	Description
Cisco IOS XR IP/MPLS Core Software	CRS-iosxr-px-4.3.0.tar	• Cisco IOS XR IP Unicast Routing Core Bundle • Cisco IOS XR Manageability Package • Cisco IOS MPLS Package • Cisco IOS XR Multicast Package • Cisco IOS XR Diagnostic Package • Cisco IOS XR FPD Package

Feature Set	Filename	Description
Cisco IOS XR IP/MPLS Core Software 3DES	CRS-iosxr-px-k9-4.3.0.tar	• Cisco IOS XR IP Unicast Routing Core Bundle • Cisco IOS XR Manageability Package • Cisco IOS XR MPLS Package • Cisco IOS XR Multicast Package • Cisco IOS XR Security Package • Cisco IOS XR Diagnostic Package • Cisco IOS XR FPD Package

Memory Requirements



Caution

If you remove the media in which the software image or configuration is stored, the router may become unstable and fail.

The minimum memory requirements for a Cisco CRS running Cisco IOS XR Software Release 4.3.0 consist of the following:

- 4-GB memory on the route processors (RPs)
- 2-GB memory on Modular Services Card (MSC-40) and Forwarding Processor (FP-40)
- 4-GB memory on MSC-140 and FP-140
- 4-GB PCMCIA Flash Disk on the route processors (RPs)
- 6-GB memory on Performance Route Processors (PRPs)

Hardware Supported

All hardware features are supported on Cisco IOS XR Software, subject to the memory requirements specified in the "[Memory Requirements, on page 6](#)" section.

The following tables list the supported hardware components on the Cisco CRS Router and the minimum required software versions. For more information, see the "[Firmware Support](#)" section.

Table 3: Cisco CRS Supported Hardware and Minimum Software Requirements

Component	Part Number	Support from version
Cisco CRS Series 16-Slot Line Card Chassis		
Cisco CRS 16-Slot Line Card Chassis	CRS-16-LCC	3.2
Cisco CRS Fan Tray for 16-Slot LCC	CRS-16-LCC-FAN-TR	3.2
Cisco CRS Fan Controller for 16-Slot Line Card Chassis	CRS-16-LCC-FAN-CT	3.2
Cisco CRS 16-Slot Alarm Board	CRS-16-ALARM	3.2
Cisco CRS AC Delta Power Shelf for 16-Slot LCC	CRS-16-LCC-PS-ACD	3.2
Cisco CRS AC Wye Power Shelf for 16-Slot LCC	CRS-16-LCC-PS-ACW	3.2
Cisco CRS DC Power Shelf for 16-Slot LCC	CRS-1-LCC-PS-DC	3.2
Cisco CRS LCC Front AC Power Panel	CRS-16-ACGRILLE	3.2
Cisco CRS LCC Front DC Power Panel	CRS-16-DCGRILLE	3.2
Cisco CRS Line Card Chassis Front Doors	CRS-16-LCC-DRS-F	3.2
Cisco CRS Line Card Chassis Front Cable Mgmt	CRS-16-LCC-FRNT	3.2
Cisco CRS LCC Expanded Front Cable Mgmt	CRS-16-LCC-FRNT-E	3.2
Cisco CRS Line Card Chassis Rear Cable Mgmt	CRS-16-LCC-BCK-CM	3.2
Cisco CRS Line Card Chassis Rear Doors	CRS-16-LCC-DRS-R	3.2
Cisco CRS Lift for LCC 16 and FCC	CRS-16-LIFT/B	3.2
Cisco CRS DC PEM for 16 slot LCC and FCC	CRS-16-DC-PEM	3.2
Cisco CRS 16 Slot System Reduced-Noise DC PEM	CRS-16-DC-PEM-B	3.8
Cisco CRS 16 Slot System Reduced-Noise Fan Tray	CRS-16-LCC-FNTR-B	3.8
Cisco CRS Series LC Chassis Fan Controller	CRS-16-LCC-F-CT-B	4.0.1PX
Cisco CRS 16-Slot Enhanced Line Card Chassis	CRS-16-LCC-B	4.0.3

Cisco CRS Modular Power Alarm for 16 slots and FCC	CRS-16-ALARM-C	3.9
Cisco CRS Modular Power Grill For 16 Slots and FCC	CRS-16-PW-GRILL	3.9
Cisco CRS Modular DC Power Shelf for 16 slots LCC	CRS-16LCC-PSH-DC	3.9
Cisco CRS Modular AC Power Shelf for 16 slots LCC	CRS-16LCC-PSH-AC	3.9
Cisco CRS Modular AC Power Module	CRS-PM-AC	3.9
Cisco CRS Series 8-Slot Line Card Chassis		
Cisco CRS 8-Slot Install Kit	CRS-8-INSTALL-KT	N/A
Cisco CRS 8-Slot Fork Lift Tube	CRS-8-LIFT-TUBE	N/A
Cisco CRS 8-Slot Front Badge Panel	CRS-8-BDG-PANEL	N/A
Cisco CRS 8-Slot Front Inlet Grill	CRS-8-FRNT-GRILL	N/A
Cisco CRS 8-Slot Horizontal Install Rails	CRS-8-HRZ-RAILS	N/A
Cisco CRS 8-Slot Line Card Chassis	CRS-8-LCC	3.2
Cisco CRS Fan Tray for 8-Slot Line Card Chassis	CRS-8-LCC-FAN-TR	3.2
Cisco CRS Line Card Chassis Filter Pack	CRS-8-LCC-FILTER	3.2
Cisco CRS AC Pwr Rectifier for 8-Slot LCC	CRS-8-AC-RECT	3.2
Cisco CRS DC Power Entry Module for 8-Slot LCC	CRS-8-DC-PEM	3.2
Cisco CRS AC & DC Power Module Filter for 8-Slot LCC	CRS-8-PWR-FILTER	3.2
Cisco CRS AC Delta PDU for CRS-8 LCC	CRS-8-LCC-PDU-ACD	3.2
Cisco CRS AC Wye PDU for CRS-8 LCC	CRS-8-LCC-PDU-ACW	3.2
Cisco CRS DC PDU for CRS-8 LCC	CRS-8-LCC-PDU-DC	3.2
Cisco CRS 8-Slot Enhanced Line Card Chassis	CRS-8-LCC-B	4.2.0
Cisco CRS Modular DC Power Shelf for 8 slots Chassis	CRS-8-PSH-DC	3.9

Cisco CRS Modular DC Power Module	CRS-PM-DC	3.9
Cisco CRS Modular AC Power Shelf for 8 slots Chassis	CRS-8-PSH-AC	3.9
Cisco CRS Modular AC Power Module	CRS-PM-AC	3.9
Cisco CRS Series 4-Slot Line Card Chassis		
Cisco CRS 4-Slot Line Card Chassis	CRS-4-CH	3.4
Cisco CRS Fabric Chassis Hardware		
CRS-FCC= Cisco CRS-1 Series Fabric Card Chassis Only	CRS-FCC=	3.2
CRS-1 Fabric Chassis AC Delta Power Kit	CRS-FCC-ACD-KIT	3.2
CRS-1 Fabric Chassis AC Grille	CRS-FCC-ACGRILLE	3.2
CRS-1 Fabric Chassis AC-Wye Power Kit	CRS-FCC-ACW-KIT	3.2
CRS Fabric Chassis DC Power Kit	CRS-FCC-DC-KIT	3.2
CRS-1 Fabric Chassis DC Power Grille	CRS-FCC-DCGRILLE	3.2
CRS Fabric Chassis Lift Bracket	CRS-FCC-LIFT-BRKT	3.2
CRS Fabric Chassis OIM Modules	CRS-FCC-OIM-1S=	3.2
Cisco CRS-1 Series FC Chassis Shelf/Fan/Enet cntr	CRS-FCC-SC-GE=	3.2
CRS-1 Fabric Chassis AC Intake Grille	CRS-FCC-ACGRILLE=	3.2
CRS-1 Fabric Chassis DC Intake Grille	CRS-FCC-DCGRILLE=	3.2
Cisco CRS-1 Series Fan Tray for FCC	CRS-FCC-FAN-TR=	3.2
CRS-1 Fabric Card Chassis Fan Tray Filters	CRS-FCC-FILTER=	3.2
CRS-1 Fabric Chassis Front Cosmetic Kit	CRS-FCC-FRNT-CM=	3.2
Cisco CRS-1 Series Fabric Card Chassis Fiber Module LED	CRS-FCC-LED=	3.2
Cisco CRS-1 Series DC Power Shelf for FCC	CRS-FCC-PS-DC=	3.2
CRS-1 Fabric Chassis Rear Cosmetic Kit	CRS-FCC-REAR-CM=	3.2
CRS-LIFT Brackets for Fabric Chassis	CRS-FCC-LIFT-BRKT=	3.2

CRS Fabric Chassis OIM Module	CRS-FCC-OIM-1S	3.2
CRS-1 Fabric Chassis AC Delta Power Supply	CRS-FCC-PS-ACD	3.2
CRS-1 Fabric Chassis AC Wye Option	CRS-FCC-PS-ACW	3.2
CRS-1 Fabric Chassis DC Power Option	CRS-FCC-PS-DC	3.2
Cisco CRS-1 Series Fabric Card Chassis Switch Fabric Card	CRS-FCC-SFC=	3.2
CRS-1 Fabric Chassis Integrated Switch Controller Card	CRS-FCC-SC-22GE Integrated Switch	3.4.1
Cisco CRS General Chassis Hardware		
Cisco CRS PCMCIA Flash Disk 4 GB	CRS-FLASH-DISK-4G	3.8
Cisco CRS Modular Services Card	CRS-MSC	3.2
Cisco CRS Modular Service Card B	CRS-MSC-B	3.6
Cisco CRS-1 Series Forwarding Processor 40G	CRS-FP40	3.8.1
Cisco CRS Series Modular Services Card 140G	CRS-MSC-140G	4.0.0 PX
Cisco CRS Series Forwarding Processor Card 140G	CRS-FP140	4.0.0 PX
Cisco CRS PCMCIA Flash Disk 16 GB	CRS-FLASH-DISK-16G	4.2
Cisco CRS 8-Slot Fabric Card/Single	CRS-8-FC/S	3.2
Cisco CRS 8-Slot Fabric Card Blank	CRS-8-FC-BLANK	3.2
Cisco CRS 8-Slot Fabric Handle	CRS-8-FC-HANDLE	3.2
Cisco CRS 16-Slot Fabric Card/Single	CRS-16-FC/S	3.2
Cisco CRS Series 4 Slots Fabric Card / Single (140G)	CRS-4-FC140/S	4.0.0 PX
Cisco CRS Series 8 Slots Fabric Card / Single (140G)	CRS-8-FC140/S	4.0.0 PX
Cisco CRS Series 16 Slots Fabric Card / Single (140G)	CRS-16-FC140/S	4.0.0 PX
Cisco CRS Interface and Route Processor Cards		
Cisco CRS 8-Slot Route Processor	CRS-8-RP	3.2

Cisco CRS 8-Slot Route Processor Blank	CRS-8-RP-BLANK	3.2
Cisco CRS 8-Slot Route Processor Handle	CRS-8-RP-HANDLE	3.2
Cisco Carrier 1 Series SPA Interface Processor 40G	CRS1-SIP-800	3.2
Cisco CRS-1 Distributed Route Processor	CRS-DRP	3.3
Cisco CRS-1 Distributed Route Processor CPU Module	CRS-DRP-B-CPU	3.4.1
Cisco CRS-1 Distributed Route Processor PLIM Module	CRS-DRP-B-PLIM	3.4.1
Cisco CRS-1 16-slot Route Processor, revision B	CRS-16-RP-B	3.3
Cisco CRS Series 14x10GbE LAN/WAN-PHY Interface Module	14X10GBE-WL-XFP	4.0.0 PX
Cisco CRS Series 20x10GbE LAN/WAN-PHY Interface Module	20X10GBE-WL-XFP	4.0.0 PX
Cisco CRS 1-port 100-GE CFP PLIM	1x100-GE CFP PLIM	4.0.1 PX
Cisco CRS-1 Series 8 Slots 6 Gb Performance Route Processor	CRS-8-PRP-6G	4.1
Cisco CRS-1 Series 8 Slots 12 Gb Performance Route Processor	CRS-8-PRP-12G	4.1
Cisco CRS-1 Series 16 Slots 6 Gb Performance Route Processor	CRS-16-PRP-6G	4.1
Cisco CRS-1 Series 16 Slots 12 Gb Performance Route Processor	CRS-16-PRP-12G	4.1
Cisco CRS Series 4x40GbE OTU3 Interface Module	4-40GE-L/OTN	4.2.3
Cisco CRS Series 2x40GbE OTU3 Interface Module	2-40GE-L/OTN	4.2.3
Cisco CRS Series 1x100GbE IPoDWDM Interface Module	1-100GE-DWDM/C	4.2.3
Cisco CRS SONET Interface Modules and SPAs		
Cisco CRS 4xOC-192c/STM64c POS/DPT Interface Module/VS	4OC192-POS/DPT-VS	3.2

Cisco CRS 4xOC-192c/STM64c POS/DPT Interface Module/SR	4OC192-POS/DPT-SR	3.2
Cisco CRS 4xOC-192c/STM64c POS/DPT Interface Module/IR	4OC192-POS/DPT-IR	3.2
Cisco CRS 4xOC-192c/STM64c POS/DPT Interface Module/LR	4OC192-POS/DPT-LR	3.2
Cisco CRS 16xOC-48c/STM16c POS/DPT Interface Module	16OC48-POS/DPT	3.2
Cisco CRS 1xOC-768c/STM256c POS Interface Module/SR	1OC768-POS-SR	3.2
Cisco CRS 8-Port OC-12c/STM-4c Shared Port Adapter	SPA-8XOC12-POS	3.3
Cisco CRS 2-Port OC-48c/STM-16c POS/RPR Shared Port Adapter	SPA-2XOC48-POS/RPR	3.4
Cisco CRS 4-Port OC-48c/STM-16c POS/RPR Shared Port Adapter	SPA-4XOC48-POS/RPR	3.4
Cisco CRS 1-Port OC-192c/STM-64c POS/RPR Shared Port Adapter with XFP Optics	SPA-OC192POS-XFP	3.2
Cisco CRS 4-Port OC-3c/STM-1c Shared Port Adapter	SPA-4XOC3-POS	3.2
Cisco CRS 1-Port OC-192/STM-64 POS/RPR SPA VSR Optics	SPA-OC192POS-VSR	3.4.1
Cisco CRS 1-Port OC-768c/STM-256c (C-band) DWDM PLIM	1OC768-ITU/C	3.3
Cisco CRS 1-Port OC-768c/STM-256c (C-band) DPSK+ DWDM PLIM	1OC768-DPSK/C	3.6
Cisco CRS ATM Modules and SPAs		
3-Port Clear Channel OC-3 ATM SPA	SPA-3XOC3-ATM-V2	3.7
1-Port Clear Channel OC-12 ATM SPA	SPA-1XOC12-ATM-V2	3.7
Cisco CRS Serial Interface Modules and SPAs		
Cisco CRS 4-Port Clear Channel T3/E3 Serial Shared Port Adapter	SPA-4XT3/E3	3.4.1

Cisco CRS 2-Port Clear Channel T3/E3 Serial Shared Port Adapter	SPA-2XT3/E3	3.4.1
Cisco CRS Ethernet Interface Modules and SPAs		
Cisco CRS 8x10 GbE Interface Module LR/ER	8-10GBE	3.2
Cisco 5-Port Gigabit Ethernet Shared Port Adapter, Version 2	SPA-5X1GE-V2	3.4
Cisco 8-Port Gigabit Ethernet Shared Port Adapter, Version 2	SPA-8X1GE-V2	3.4
Cisco 8-Port Gigabit Ethernet Shared Port Adapter	SPA-8X1GE	3.2
Cisco 10-Port Gigabit Ethernet Shared Port Adapter, Version 2	SPA-10X1GE-V2	3.4
Cisco 1-Port Ten Gigabit Ethernet Shared Port Adapter, Version 2	SPA-1X10GE-L-V2	3.4
Cisco 4-Port Ten Gigabit Ethernet (C-band) DWDM PLIM	4-10GE-ITU/C	3.3
Cisco 1-port 10GbE SPA WAN/LAN PHY	SPA-1X10GE-WL-V2	3.5.2
Cisco CRS-1 Series 4x10GE Interface Module	4-10GE	3.8.1
Cisco CRS-1 Series 42x1GE Interface Module	42-1GE	3.8.1
Cisco CRS-1 Series 8-Port Ten Gigabit Ethernet Interface Module	8-10GBE-WL-XFP	3.9.1
Cisco CRS-1 Series 4-Port Ten Gigabit Ethernet Interface Module	4-10GBE-WL-XFP	3.8.4
Cisco CRS-1 Series 20x1GE Flexible Interface Module	20-1GE-FLEX	3.8.1
Cisco CRS-1 Series 2x10GE WAN/LAN Flexible Interface Module	2-10GE-WL-FLEX	3.8.1
Cisco CRS Flexible SPA and 6-port 10GE PLIM	6-10GE-WLO-FLEX	4.3.0
Cisco CRS 10GE Optical to Electrical Modules		
10GBASE-LR XENPAK Module for Cisco CRS	XENPAK-10GB-LR+	3.4
10GBASE-DWDM XENPAK	XENPAK-10GB-DWDM	3.2.2

10GBASE-ER XENPAK Modular for Cisco CRS-1	XENPAK-10GB-ER	3.4
10GBASE-ER XENPAK Modular for Cisco CRS-1	XENPAK-10GB-ER+	3.4
Cisco 10GBASE-SR XFP Module for MMF	XFP-10G-MM-SR	3.8
Cisco Multirate 10GBASE-LR/-LW and OC-192/STM-64 SR-1 XFP Module for SMF	XFP-10GLR-OC192SR	3.4
Cisco Multirate 10GBASE-LR/-LW and OC-192/STM-64 SR-1 XFP Module for SMF, low power (1.5W)	XFP10GLR-192SR-L	3.8.4, 3.9.1
Cisco Multirate 10GBASE-ER/-EW and OC-192/STM-64 IR-2 XFP Module for SMF	XFP-10GER-192IR+	3.4
Cisco Multirate 10GBASE-ER/-EW and OC-192/STM-64 IR-2 XFP Module for SMF, low power (2.5W)	XFP10GER-192IR-L	3.8.4, 3.9.1
Cisco Multirate 10GBASE-ZR/-ZW and OC-192/STM-64 IR-2 XFP Module for SMF	XFP-10GZR-OC192LR	3.4
Cisco CRS SFPs and CFPs		
Cisco CRS 2.5 G SFP LR Optic	POM-OC48-LR2-LC-C	3.2
Cisco CRS 2.5 G SFP SR Optic	POM-OC48-SR-LC-C	3.2
GE SFP, LC connector LX/LH transceiver	GLC-LH-SM	3.2
1000BASE-SX SFP transceiver module, MMF, 850nm, DOM	GLC-SX-MMD	3.6
1000BASE-LX/LH SFP transceiver module, MMF/SMF, 1310nm, DOM	GLC-LH-SMD	3.6
1000BASE-LX/LH SFP	SFP-GE-L	3.4
1000BASE-SX SFP (DOM)	SFP-GE-S	3.4
1000BASE-T SFP (NEBS 3 ESD)	SFP-GE-T	3.4
1000BASE-ZX Gigabit Ethernet SFP (DOM)	SFP-GE-Z	3.4
100GBASE-LR4 CFP transceiver module for SMF, 1310-nm wavelength, SC duplex connector	CFP-100G-LR4	4.0
100 Gigabit Ethernet over 10 short-reach optical lanes (SR10) optics (multimode fiber)	CFP-100G-SR10	4.2.1

Cisco 10GBASE Dense Wavelength-Division Multiplexing XFP Module	DWDM-XFP-C	4.2.3
40-Gigabit Ethernet C Form-factor Pluggable (CFP) optics module - 40GBASE-LR4	CFP-40G-LR4	4.2.3
40-Gigabit Ethernet C Form-factor Pluggable (CFP) optics module - 40GBASE-SR4	CFP-40G-SR4	4.2.3
40-Gigabit Ethernet C Form-factor Pluggable (CFP) optics module - 40GBASE-FR	CFP-40G-FR	4.2.3

Hardware Not Supported

The following hardware are not supported in Cisco IOS XR Software Release 4.3.0:

Component	Part Number
Cisco CRS-1 16-Slot Line-Card Chassis Route Processor	CRS-16-RP
Cisco CRS PCMCIA Flash Disk 2 GB	CRS-FLASH-DISK-2G



Note

RP-B with CRS-3 is not supported for Multichassis systems; only PRP is supported for such systems. Cisco highly recommends PRP for all CRS-1, CRS-3 Single chassis and Multichassis configurations, due to its significant advantages in improving boot time, performance, and scale. For information on End-of-Sale and End-of-Life Announcement for the Cisco CRS 8-Slot and 16-slot Line Card Chassis Route Processors:

http://www.cisco.com/en/US/prod/collateral/routers/ps5763/end_of_life_notice_c51-695816.html

http://www.cisco.com/en/US/prod/collateral/routers/ps5763/end_of_life_notice_c51-695817.html



Note

Cisco Session Border Controller (SBC) is not supported. Cisco IOS XR Software Release 3.7 is the last release that supports SBC.

CRS FP-140 Licenses

The following licenses apply to the CRS FP-140:

Licence	Description
XC-ENH-NF-140G	Cisco CRS Series Enhanced Netflow Performance License 140G

XC-L2L3VPN-140G	Cisco CRS Series L2 and L3 VPN Peering Edge License 140G
XC-RTE-SCL-140G	Cisco CRS Series Route Scale License 140G
XC-TE-SCL-140G	Cisco CRS Series Traffic Engineering Scale License 140G
XC-MC-LIC-140G	Cisco CRS Series Multichassis License 140G

CRS FP-140 also supports eDelivery licenses, which can be downloaded as the License Certificates in PDF format.

For further information or questions, please visit <http://www.cisco.com/web/partners/tools/edelivery.html>.

eDelivery PID	Description
L-XC-ENH-NF-140G=	Cisco CRS Series Enhanced NetFlow License 140G
L-XC-RTE-SCL-140G=	Cisco CRS Series Route Scale License 140G
L-XC-MC-LIC-140G=	Cisco CRS Series Multichassis License 140G
L-XC-TE-SCL-140G=	Cisco CRS Series Traffic Engineering Scale License 140G
L-XC-L2L3VPN-140G=	Cisco CRS Series L2 L3 VPN Peering Edge License 140G

Software Compatibility

Cisco IOS XR Software Release 4.3.0 is compatible with the following Cisco CRS-1 and CRS-3 systems:

- Cisco CRS 4-Slot Line Card Chassis
- Cisco CRS 8-Slot Line Card Chassis
- Cisco CRS 16-Slot Line Card Chassis
- Cisco CRS Multichassis Systems

Cisco IOS XR Software Release 4.3.0 is compatible with the following Cisco CRS-3 system:

- Cisco CRS Back-to-Back System

Firmware Support

To check the firmware code running on the Cisco CRS Router, run the **show fpd package** command in admin mode.

- The bundled ROMMON version is 2.07.
- For details about minimum required firmware versions please refer to **admin show fpd package** (see below).
- To upgrade firmware use the **admin upgrade hw-module fpd** command. Alternatively, refer to the fpd auto-upgrade feature.

Check the firmware needed by running the **show fpd package** command in admin mode.

Cisco CRS show fpd package output

RP/0/RP0/CPU0:router(admin)#**show fpd package**

Field Programmable Device Package						
Card Type	FPD Description	Type	Subtype	SW Version	Min Req SW Ver	Min Req HW Vers
PRP	FPGA ZJF uBlaze	1c	fpga2	0.01	0.00	0.0
	S-8 FPGA Nirvana	1c	fpga3	14.00	0.00	0.0
	FPGA BCM 8727	1c	fpga4	0.01	0.00	0.0
	FPGA MCU	1c	fpga5	0.01	0.00	0.0
	FPGA CPU ZJF	1c	fpga1	7.00	0.00	0.0
	ROMMONA swv2.07 x86mp	1c	rommonA	2.07	2.03	0.0
	ROMMONB swv2.07 x86mp	1c	rommon	2.07	2.07	0.0
PRP	FPGA ZJF uBlaze	1c	fpga2	0.01	0.00	0.0
	S-16 FPGA Nirvana	1c	fpga3	13.00	0.00	0.0
	FPGA BCM 8727	1c	fpga4	0.01	0.00	0.0
	FPGA MCU	1c	fpga5	0.01	0.00	0.0
	ZJF FPGA CPU	1c	fpga1	7.00	0.00	0.0
	ROMMONA swv2.07 x86mp	1c	rommonA	2.07	2.03	0.0
	ROMMONB swv2.07 x86mp	1c	rommon	2.07	2.07	0.0
S2	FPGA 4.02	1c	fpga2	4.02	0.00	0.0
	FPGA 5.00	1c	fpga3	5.00	0.00	0.0
	FPGA 6.04 spb	1c	fpga1	6.04	0.00	0.0
	ROMMONA swv2.07 spb	1c	rommonA	2.07	2.05	0.0
	ROMMONB swv2.07 spb	1c	rommon	2.07	2.07	0.0
140G-S1S2S3	FPGA 4.01	1c	fpga2	4.01	0.00	0.0

	FPGA 6.04 spb	lc	fpga1	6.04	0.00	0.0
	ROMMONA swv2.07 spb	lc	rommonA	2.07	2.05	0.0
	ROMMONB swv2.07 spb	lc	rommon	2.07	2.07	0.0

Fabric HS123 Superst	FPGA 4.00	lc	fpga2	4.00	0.00	0.0
	FPGA 6.04 spb	lc	fpga1	6.04	0.00	0.0
	ROMMONA swv2.07 spb	lc	rommonA	2.07	2.05	0.0
	ROMMONB swv2.07 spb	lc	rommon	2.07	2.07	0.0

140G-4-S1S2S3	FPGA 4.01	lc	fpga2	4.01	0.00	0.0
	FPGA 6.04 spb	lc	fpga1	6.04	0.00	0.0
	ROMMONA swv2.07 spb	lc	rommonA	2.07	2.05	0.0
	ROMMONB swv2.07 spb	lc	rommon	2.07	2.07	0.0

140G-S1S3	FPGA 4.01	lc	fpga2	4.01	0.00	0.0
	FPGA 6.04 spb	lc	fpga1	6.04	0.00	0.0
	ROMMONA swv2.07 spb	lc	rommonA	2.07	2.05	0.0
	ROMMONB swv2.07 spb	lc	rommon	2.07	2.07	0.0

140G-S1S2S3-2	FPGA 4.01	lc	fpga2	4.01	0.00	0.0
	FPGA 6.04 spb	lc	fpga1	6.04	0.00	0.0
	ROMMONA swv2.07 spb	lc	rommonA	2.07	2.05	0.0
	ROMMONB swv2.07 spb	lc	rommon	2.07	2.07	0.0

140G-S1S3-2	FPGA 4.01	lc	fpga2	4.01	0.00	0.0
	FPGA 6.04 spb	lc	fpga1	6.04	0.00	0.0
	ROMMONA swv2.07 spb	lc	rommonA	2.07	2.05	0.0
	ROMMONB swv2.07 spb	lc	rommon	2.07	2.07	0.0
	RXPOD swvF034 spb	lc	rxpod	0.52	0.00	0.0
	TXPOD swvF039 spb	lc	txpod	0.57	0.00	0.0

140G-S2-2	FPGA 4.02	lc	fpga2	4.02	0.00	0.0
	FPGA 16.00	lc	fpga3	16.00	0.00	0.0
	FPGA 6.04 spb	lc	fpga1	6.04	0.00	0.0
	ROMMONA swv2.07 spb	lc	rommonA	2.07	2.05	0.0
	ROMMONB swv2.07 spb	lc	rommon	2.07	2.07	0.0
	RXPOD swvF034 spb	lc	rxpod	0.52	0.00	0.0
	TXPOD swvF039 spb	lc	txpod	0.57	0.00	0.0

140G-MSC	FPGA Linecard 0.36	lc	fpga2	0.36	0.00	0.0

	FPGA CPU 0.8	1c	fpga1	0.08	0.00	0.0
	ROMMONA swv2.07 kensho	1c	rommonA	2.07	2.04	0.0
	ROMMONB swv2.07 kensho	1c	rommon	2.07	2.07	0.0

FP-140G	FPGA Linecard 0.36	1c	fpga2	0.36	0.00	0.0
	FPGA CPU 0.8	1c	fpga1	0.08	0.00	0.0
	ROMMONA swv2.07 kensho	1c	rommonA	2.07	2.04	0.0
	ROMMONB swv2.07 kensho	1c	rommon	2.07	2.07	0.0

CRS-LSP	FPGA Linecard 0.36	1c	fpga2	0.36	0.00	0.0
	FPGA CPU 0.8	1c	fpga1	0.08	0.00	0.0
	ROMMONA swv2.07 kensho	1c	rommonA	2.07	2.04	0.0
	ROMMONB swv2.07 kensho	1c	rommon	2.07	2.07	0.0

10C768-ITU/C	OPTICS FIRMWARE 110B10	1c	fpga2	110.10	0.00	0.0

10C768-DWDM-L	OPTICS FIRMWARE 110B10	1c	fpga2	110.10	0.00	0.0

10C768-DPSK/C	OPTICS FIRMWARE 110B14	1c	fpga2	110.14	0.00	0.0

10C768-DPSK/C-O	OPTICS FIRMWARE 110B14	1c	fpga2	110.14	0.00	0.0

10C768-DPSK/C-E	OPTICS FIRMWARE 110B14	1c	fpga2	110.14	0.00	0.0

CRS-CGSE-PLIM	FPGA mCPU0 0.559	1c	fpga2	0.559	0.00	0.0
	FPGA sCPU0 0.559	1c	fpga3	0.559	0.00	0.0
	FPGA mCPU1 0.559	1c	fpga4	0.559	0.00	0.0
	FPGA sCPU1 0.559	1c	fpga5	0.559	0.00	0.0
	FPGA PLIM_SVC 0.41014	1c	fpga1	0.41014	0.00	0.0

2-40GBE-OTN	PLIM FPGA 32	1c	fpga3	32.00	0.00	0.0

1-100GBE-DWDM	PLIM FPGA 32.0	1c	fpga3	32.00	0.00	0.0
	OPTICS FIRMWARE 4.08	1c	fpga4	4.08	0.00	0.0

4-40GBE-OTN	PLIM FPGA 32	1c	fpga3	32.00	0.00	0.0

6-10GBE-OTN-Flex	OBI FPGA 28.0	1c	fpga3	28.00	0.00	0.0
	TORBAY FPGA 32.0	1c	fpga4	32.00	0.00	0.0

20-10GBE	PLIM FPGA 42.0	1c	fpga3	42.00	0.00	0.0

12-10GBE	PLIM FPGA 42.0	1c	fpga3	42.00	0.00	0.0

1-100GBE	PLIM FPGA 19.0	lc	fpga3	19.00	0.00	0.0
	RX MAC FPGA 49.0	lc	fpga4	49.00	0.00	0.0
	TX MAC FPGA 38.0	lc	fpga5	38.00	0.00	0.0
14-10GBE	PLIM FPGA 42.0	lc	fpga3	42.00	0.00	0.0
DRP_B	FPGA 6.04 spb	lc	fpga1	6.04	0.00	0.0
	ROMMONA swv2.07 asmp	lc	rommonA	2.07	2.01	0.0
	ROMMONA swv2.07 dsmp	lc	rommonA	2.07	2.01	0.0
	ROMMONA swv2.07 sp	lc	rommonA	2.07	2.01	0.0
	ROMMONA swv2.07 spb	lc	rommonA	2.07	2.05	0.0
	ROMMONB swv2.07 asmp	lc	rommon	2.07	2.07	0.0
	ROMMONB swv2.07 dsmp	lc	rommon	2.07	2.07	0.0
	ROMMONB swv2.07 sp	lc	rommon	2.07	2.07	0.0
	ROMMONB swv2.07 spb	lc	rommon	2.07	2.07	0.0
MSC_B	FPGA 6.04 spb	lc	fpga1	6.04	0.00	0.0
	ROMMONA swv2.07 asmp	lc	rommonA	2.07	2.01	0.0
	ROMMONA swv2.07 dsmp	lc	rommonA	2.07	2.01	0.0
	ROMMONA swv2.07 sp	lc	rommonA	2.07	2.01	0.0
	ROMMONA swv2.07 spb	lc	rommonA	2.07	2.05	0.0
	ROMMONB swv2.07 asmp	lc	rommon	2.07	2.07	0.0
	ROMMONB swv2.07 dsmp	lc	rommon	2.07	2.07	0.0
	ROMMONB swv2.07 sp	lc	rommon	2.07	2.07	0.0
	ROMMONB swv2.07 spb	lc	rommon	2.07	2.07	0.0
FP40	FPGA 6.04 spb	lc	fpga1	6.04	0.00	0.0
	ROMMONA swv2.07 asmp	lc	rommonA	2.07	2.01	0.0
	ROMMONA swv2.07 dsmp	lc	rommonA	2.07	2.01	0.0
	ROMMONA swv2.07 sp	lc	rommonA	2.07	2.01	0.0
	ROMMONA swv2.07 spb	lc	rommonA	2.07	2.05	0.0
	ROMMONB swv2.07 asmp	lc	rommon	2.07	2.07	0.0
	ROMMONB swv2.07 dsmp	lc	rommon	2.07	2.07	0.0
	ROMMONB swv2.07 sp	lc	rommon	2.07	2.07	0.0
	ROMMONB swv2.07 spb	lc	rommon	2.07	2.07	0.0
CRS1-SIP-800	JACKET FPGA swv6.0	lc	fpga1	6.00	5.00	0.0
	FPGA swv6.0 hww80	lc	fpga1	6.00	5.00	0.80

8-10GBE	FPGA swvA.0	1c	fpga1	10.00	0.00	0.0
OC48-POS-16-ED	FPGA PLIM_OC48 9.0	1c	fpga1	9.00	0.00	0.0
4-10GBE	FPGA sw_4p_v15.0	1c	fpga1	15.00	0.00	0.0
8-10GBE	FPGA sw_8p_v15.0	1c	fpga1	15.00	0.00	0.0
4-10GE	SQUIRREL FPGA 10.0	1c	fpga1	10.00	0.00	0.0
42-1GE	FPGA swv6.0	1c	fpga1	6.00	0.00	0.0
	FPGA swv6.0 hww0.80	1c	fpga1	6.00	0.00	0.80
20-1GE-FLEX	FPGA swv6.0	1c	fpga1	6.00	0.00	0.0
	FPGA swv6.0 hww0.80	1c	fpga1	6.00	0.00	0.80
2-10GE-WL-FLEX	FPGA swv6.0	1c	fpga1	6.00	0.00	0.0
	FPGA swv6.0 hww0.80	1c	fpga1	6.00	0.00	0.80
CRS-16-ALARM-C	FPGA 6.04 spb	1c	fpga1	6.04	0.00	0.0
	ROMMONA swv2.07 sp	1c	rommonA	2.07	2.01	0.0
	ROMMONA swv2.07 spb	1c	rommonA	2.07	2.05	0.0
	ROMMONB swv2.07 sp	1c	rommon	2.07	2.07	0.0
	ROMMONB swv2.07 spb	1c	rommon	2.07	2.07	0.0
CRS-16-ALARM-B	FPGA 6.04 spb	1c	fpga1	6.04	0.00	0.0
	ROMMONA swv2.07 spb	1c	rommonA	2.07	2.05	0.0
	ROMMONB swv2.07 spb	1c	rommon	2.07	2.07	0.0
CRS-16-FAN-CT	FPGA 6.04 spb	1c	fpga1	6.04	0.00	0.0
	ROMMONA swv2.07 spb	1c	rommonA	2.07	2.05	0.0
	ROMMONB swv2.07 spb	1c	rommon	2.07	2.07	0.0
CRS-16-LCC-F-CT-B	FPGA 6.04 spb	1c	fpga1	6.04	0.00	0.0
	ROMMONA swv2.07 spb	1c	rommonA	2.07	2.05	0.0
	ROMMONB swv2.07 spb	1c	rommon	2.07	2.07	0.0
CRS-FCC-LED	FPGA 6.04 spb	1c	fpga1	6.04	0.00	0.0
	ROMMONA swv2.07 sp	1c	rommonA	2.07	2.01	0.0
	ROMMONA swv2.07 spb	1c	rommonA	2.07	2.05	0.0
	ROMMONB swv2.07 sp	1c	rommon	2.07	2.07	0.0
	ROMMONB swv2.07 spb	1c	rommon	2.07	2.07	0.0

Route Processor	ROMMONA swv2.07 asmp	lc	rommonA	2.07	2.01	0.0
	ROMMONA swv2.07 dsmp	lc	rommonA	2.07	2.01	0.0
	ROMMONB swv2.07 asmp	lc	rommon	2.07	2.07	0.0
	ROMMONB swv2.07 dsmp	lc	rommon	2.07	2.07	0.0

SC	ROMMONA swv2.07 asmp	lc	rommonA	2.07	2.01	0.0
	ROMMONA swv2.07 dsmp	lc	rommonA	2.07	2.01	0.0
	ROMMONB swv2.07 asmp	lc	rommon	2.07	2.07	0.0
	ROMMONB swv2.07 dsmp	lc	rommon	2.07	2.07	0.0

RP	ROMMONA swv2.07 asmp	lc	rommonA	2.07	2.01	0.0
	ROMMONA swv2.07 dsmp	lc	rommonA	2.07	2.01	0.0
	ROMMONB swv2.07 asmp	lc	rommon	2.07	2.07	0.0
	ROMMONB swv2.07 dsmp	lc	rommon	2.07	2.07	0.0

Shelf Controller GE	ROMMONA swv2.07 asmp	lc	rommonA	2.07	2.01	0.0
	ROMMONA swv2.07 dsmp	lc	rommonA	2.07	2.01	0.0
	ROMMONB swv2.07 asmp	lc	rommon	2.07	2.07	0.0
	ROMMONB swv2.07 dsmp	lc	rommon	2.07	2.07	0.0

RP	ROMMONA swv2.07 asmp	lc	rommonA	2.07	2.01	0.0
	ROMMONA swv2.07 dsmp	lc	rommonA	2.07	2.01	0.0
	ROMMONB swv2.07 asmp	lc	rommon	2.07	2.07	0.0
	ROMMONB swv2.07 dsmp	lc	rommon	2.07	2.07	0.0

Shelf Controller GE2	ROMMONA swv2.07 asmp	lc	rommonA	2.07	2.01	0.0
	ROMMONA swv2.07 dsmp	lc	rommonA	2.07	2.01	0.0
	ROMMONB swv2.07 asmp	lc	rommon	2.07	2.07	0.0
	ROMMONB swv2.07 dsmp	lc	rommon	2.07	2.07	0.0

DRP	ROMMONA swv2.07 asmp	lc	rommonA	2.07	2.01	0.0
	ROMMONA swv2.07 dsmp	lc	rommonA	2.07	2.01	0.0
	ROMMONA swv2.07 sp	lc	rommonA	2.07	2.01	0.0
	ROMMONB swv2.07 asmp	lc	rommon	2.07	2.07	0.0
	ROMMONB swv2.07 dsmp	lc	rommon	2.07	2.07	0.0
	ROMMONB swv2.07 sp	lc	rommon	2.07	2.07	0.0

S1S2S3	ROMMONA swv2.07 sp	lc	rommonA	2.07	2.01	0.0
	ROMMONB swv2.07 sp	lc	rommon	2.07	2.07	0.0

S1S3	ROMMONA swv2.07 sp	lc	rommonA	2.07	2.01	0.0

	ROMMONB swv2.07 sp	lc	rommon	2.07	2.07	0.0
S2	ROMMONA swv2.07 sp	lc	rommonA	2.07	2.01	0.0
	ROMMONB swv2.07 sp	lc	rommon	2.07	2.07	0.0
Fabric HS123	ROMMONA swv2.07 sp	lc	rommonA	2.07	2.01	0.0
	ROMMONB swv2.07 sp	lc	rommon	2.07	2.07	0.0
Fabric QQS123	ROMMONA swv2.07 sp	lc	rommonA	2.07	2.01	0.0
	ROMMONB swv2.07 sp	lc	rommon	2.07	2.07	0.0
LED	ROMMONA swv2.07 sp	lc	rommonA	2.07	2.01	0.0
	ROMMONB swv2.07 sp	lc	rommon	2.07	2.07	0.0
40G-MSC	ROMMONA swv2.07 asmp	lc	rommonA	2.07	2.01	0.0
	ROMMONA swv2.07 dsmp	lc	rommonA	2.07	2.01	0.0
	ROMMONA swv2.07 sp	lc	rommonA	2.07	2.01	0.0
	ROMMONB swv2.07 asmp	lc	rommon	2.07	2.07	0.0
	ROMMONB swv2.07 dsmp	lc	rommon	2.07	2.07	0.0
	ROMMONB swv2.07 sp	lc	rommon	2.07	2.07	0.0
CRS-16-ALARM	ROMMONA swv2.07 sp	lc	rommonA	2.07	2.01	0.0
	ROMMONB swv2.07 sp	lc	rommon	2.07	2.07	0.0
CRS-16-LCC-FAN-CT	ROMMONA swv2.07 sp	lc	rommonA	2.07	2.01	0.0
	ROMMONB swv2.07 sp	lc	rommon	2.07	2.07	0.0
FC Fan Controller	ROMMONA swv2.07 sp	lc	rommonA	2.07	2.01	0.0
	ROMMONB swv2.07 sp	lc	rommon	2.07	2.07	0.0
SPA-4XT3/E3	SPA E3 Subrate FPGA	spa	fpga2	1.04	0.00	0.0
	SPA T3 Subrate FPGA	spa	fpga3	1.04	0.00	0.0
	SPA I/O FPGA	spa	fpga1	1.00	0.00	0.0
	SPA ROMMON	spa	rommon	2.12	0.00	0.0
SPA-2XT3/E3	SPA E3 Subrate FPGA	spa	fpga2	1.04	0.00	0.0
	SPA T3 Subrate FPGA	spa	fpga3	1.04	0.00	0.0
	SPA I/O FPGA	spa	fpga1	1.00	0.00	0.0
	SPA ROMMON	spa	rommon	2.12	0.00	0.0
SPA-1XCHOC48/DS3	SPA I/O FPGA	spa	fpga2	1.00	0.00	0.49
	SPA I/O FPGA	spa	fpga3	1.00	0.00	0.52

	SPA I/O FPGA	spa fpga1	1.36	0.00	0.49
	SPA ROMMON	spa rommon	2.02	0.00	0.49

SPA-1XCHOC12/DS0	SPA I/O FPGA	spa fpga2	1.00	0.00	0.49
	SPA I/O FPGA	spa fpga1	1.36	0.00	0.49
	SPA ROMMON	spa rommon	2.02	0.00	0.49

SPA-OC192POS	SPA FPGA swv1.3	spa fpga1	1.03	0.00	0.0

SPA-8XOC12-POS	SPA FPGA swv1.0	spa fpga1	1.00	0.00	0.5

SPA-4XOC3-POS	SPA FPGA swv3.4	spa fpga1	3.04	0.00	0.0

SPA-OC192POS-XFP	SPA FPGA swv1.2	spa fpga1	1.02	0.00	0.0

SPA-8X1GE	SPA FPGA swv1.8	spa fpga1	1.08	0.00	0.0

SPA-2XOC48POS/RPR	SPA FPGA swv1.0	spa fpga1	1.00	0.00	0.0

SPA-4XOC48POS/RPR	SPA FPGA swv1.0	spa fpga1	1.00	0.00	0.0

SPA-1XOC48POS/RPR	SPA FPGA swv1.2	spa fpga1	1.02	0.00	0.0

SPA-8XOC3-POS	SPA FPGA swv1.0	spa fpga1	1.00	0.00	0.5
	SPA FPGA swv1.0	spa fpga1	1.00	0.00	0.5

SPA-2XOC12-POS	SPA FPGA swv1.0	spa fpga1	1.00	0.00	0.5

SPA-4XOC12-POS	SPA FPGA swv1.0	spa fpga1	1.00	0.00	0.5

SPA-10X1GE-V2	SPA FPGA swv1.10	spa fpga1	1.10	0.00	0.0

SPA-8X1GE-V2	SPA FPGA swv1.10	spa fpga1	1.10	0.00	0.0

SPA-5X1GE-V2	SPA FPGA swv1.10	spa fpga1	1.10	0.00	0.0

SPA-1X10GE-L-V2	SPA FPGA swv1.11	spa fpga1	1.11	0.00	0.0

SPA-4XOC3-POS-V2	SPA FPGA swv1.0	spa fpga1	1.00	0.00	0.5

SPA-1X10GE-WL-V2	SPA FPGA swv1.11	spa fpga1	1.11	0.00	0.0

SPA-1XOC3-ATM-V2	SPA FPGA swv1.2	spa fpga1	2.02	0.00	0.0

SPA-2XOC3-ATM-V2	SPA FPGA swv1.2	spa fpga1	2.02	0.00	0.0

SPA-3XOC3-ATM-V2	SPA FPGA swv1.2	spa fpga1	2.02	0.00	0.0

SPA-1XOC12-ATM-V2	SPA FPGA swv1.2	spa fpga1	2.02	0.00	0.0
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Minimum Firmware Requirement

The following table provides the procedures and resources for minimum firmware requirements:

After completing an RMA, upgrade the firmware as per the matrix in this link, which also links to PDF copies of the IOS XR Firmware Upgrade Guides	http://www.cisco.com/web/Cisco_IOS_XR_Software/index.html
For the upgrade CLI, refer to the <i>Hardware Redundancy and Node Administration Commands</i> on <i>Cisco IOS XR Software</i> chapter of the <i>Cisco IOS XR System Management Command Reference for the Cisco CRS router</i>	http://www.cisco.com/en/US/docs/routers/crs/software/crs_r4.2/system_management/command/reference/b_sysman_cr42crs.html

Determining Your Software Version



Note

P image is discontinued from Cisco IOS XR Software Release 4.2 onwards. For more information about this, see the discontinuation of P image for Cisco CRS in Cisco IOS XR Software Release 4.2 and later at

http://www.cisco.com/en/US/prod/collateral/routers/ps5763/product_bulletin_c25-663499.html.

To determine the version of Cisco IOS XR Software running on your router, log in to the router and enter the **show version** command:

Procedure

- Step 1** Establish a Telnet session with the router.
- Step 2** Enter **show version** command from EXEC mode.

```
RP/0/RP0/CPU0:router#show version
```

```
Cisco IOS XR Software, Version 4.3.0[Default]
Copyright (c) 2012 by Cisco Systems, Inc.
```

```
ROM: System Bootstrap, Version 2.07(20120620:232041) [CRS ROMMON],
```

CR05-FQ2 uptime is 15 hours, 26 minutes
 System image file is "disk0:hfr-os-mpi-4.3.0/0x100008/mbihfr-rp-x86e.vm"

cisco CRS-16/S (Intel 686 F6M14S4) processor with 6291456K bytes of memory.
 Intel 686 F6M14S4 processor at 2126Mhz, Revision 2.174
 Cisco CRS Series 16 Slots Line Card Chassis

4 Management Ethernet
 72 DWDM controller(s)
 73 WANPHY controller(s)
 89 TenGigE
 46 SONET/SDH
 46 Packet over SONET/SDH
 152 GigabitEthernet
 1019k bytes of non-volatile configuration memory.
 15801M bytes of hard disk.
 11223024k bytes of disk0: (Sector size 512 bytes).
 11223024k bytes of disk1: (Sector size 512 bytes).

Boot device on node 0/0/SP is bootflash:
 Package active on node 0/0/SP:
 iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
 Built on Wed Dec 19 11:53:32 PST 2012
 By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

 iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
 Built on Wed Dec 19 11:53:32 PST 2012
 By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

 iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
 Built on Wed Dec 19 11:53:32 PST 2012
 By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

 iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
 Built on Wed Dec 19 11:53:32 PST 2012
 By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

 iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
 Built on Wed Dec 19 11:53:32 PST 2012
 By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

 hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
 Built on Wed Dec 19 11:53:32 PST 2012
 By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

 hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
 Built on Wed Dec 19 11:56:37 PST 2012
 By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

 hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
 Built on Wed Dec 19 11:53:34 PST 2012
 By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

 hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0

```
Built on Wed Dec 19 11:53:35 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
Built on Wed Dec 19 11:57:22 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
Built on Wed Dec 19 12:22:08 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
Built on Wed Dec 19 12:22:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
Built on Wed Dec 19 12:22:34 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
Built on Wed Dec 19 12:22:35 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
Built on Wed Dec 19 12:21:40 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
Built on Wed Dec 19 12:22:02 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/0/CPU0 is mem:
Package active on node 0/0/CPU0:
iosxr-adv-video, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-adv-video-4.3.0
Built on Wed Dec 19 12:23:14 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-adv-video-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-adv-video-sup-4.3.0
Built on Wed Dec 19 12:23:14 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-video-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-video-px-4.3.0
Built on Wed Dec 19 12:23:19 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-service, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-service-4.3.0
Built on Wed Dec 19 12:22:44 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-service-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-service-sup-4.3.0
Built on Wed Dec 19 12:22:44 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-services-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-services-px-4.3.0
Built on Wed Dec 19 12:23:10 PST 2012
```

```
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mpls, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mpls-4.3.0
  Built on Wed Dec 19 11:52:38 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mpls-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mpls-px-4.3.0
  Built on Wed Dec 19 11:52:57 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mcast, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mcast-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-supp-4.3.0
```

```
Built on Wed Dec 19 11:52:59 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-px-4.3.0
Built on Wed Dec 19 11:53:30 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
Built on Wed Dec 19 12:22:08 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
Built on Wed Dec 19 12:22:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
Built on Wed Dec 19 12:22:34 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
Built on Wed Dec 19 12:22:35 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
Built on Wed Dec 19 12:21:40 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
Built on Wed Dec 19 12:22:02 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/2/SP is bootflash:
Package active on node 0/2/SP:
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
```

```

By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/2/CPU0 is mem:
Package active on node 0/2/CPU0:
iosxr-adv-video, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-adv-video-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-adv-video-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-adv-video-sup-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-video-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-video-px-4.3.0
  Built on Wed Dec 19 12:23:19 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

```

```
iosxr-service, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-service-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-service-suppl, V 4.3.0[Default], Cisco Systems, at disk0:hfr-service-suppl-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-services-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-services-px-4.3.0
  Built on Wed Dec 19 12:23:10 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mpls, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mpls-4.3.0
  Built on Wed Dec 19 11:52:38 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mpls-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mpls-px-4.3.0
  Built on Wed Dec 19 11:52:57 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwlding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwlding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mbi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mbi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwlding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwlding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
```

```

By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mcast, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mcast-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-supp-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-px-4.3.0
  Built on Wed Dec 19 11:53:30 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-supp-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/3/SP is bootflash:
Package active on node 0/3/SP:
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

```

```
iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mbi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mbi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/3/CPU0 is mem:
Package active on node 0/3/CPU0:
```

```
iosxr-adv-video, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-adv-video-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-adv-video-suppl, V 4.3.0[Default], Cisco Systems, at disk0:hfr-adv-video-suppl-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-video-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-video-px-4.3.0
  Built on Wed Dec 19 12:23:19 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-service, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-service-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-service-suppl, V 4.3.0[Default], Cisco Systems, at disk0:hfr-service-suppl-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-services-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-services-px-4.3.0
  Built on Wed Dec 19 12:23:10 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mpls, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mpls-4.3.0
  Built on Wed Dec 19 11:52:38 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mpls-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mpls-px-4.3.0
  Built on Wed Dec 19 11:52:57 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```
hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mcast, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mcast-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-supp-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-px-4.3.0
  Built on Wed Dec 19 11:53:30 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-supp-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/4/CPU0 is lcdisk0:
Package active on node 0/4/CPU0:
```

```
iosxr-adv-video, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-adv-video-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-adv-video-suppl, V 4.3.0[Default], Cisco Systems, at disk0:hfr-adv-video-suppl-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-video-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-video-px-4.3.0
  Built on Wed Dec 19 12:23:19 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-service, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-service-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-service-suppl, V 4.3.0[Default], Cisco Systems, at disk0:hfr-service-suppl-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-services-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-services-px-4.3.0
  Built on Wed Dec 19 12:23:10 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mpls, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mpls-4.3.0
  Built on Wed Dec 19 11:52:38 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mpls-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mpls-px-4.3.0
  Built on Wed Dec 19 11:52:57 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwldng, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwldng-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```
hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mcast, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mcast-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-sup-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-px-4.3.0
  Built on Wed Dec 19 11:53:30 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/5/SP is bootflash:
Package active on node 0/5/SP:
```

```
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```
hfr-diags-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-supply-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/5/CPU0 is mem:
Package active on node 0/5/CPU0:
iosxr-adv-video, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-adv-video-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-adv-video-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-adv-video-supply-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-video-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-video-px-4.3.0
  Built on Wed Dec 19 12:23:19 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-service, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-service-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-service-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-service-supply-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-services-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-services-px-4.3.0
  Built on Wed Dec 19 12:23:10 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mpls, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mpls-4.3.0
  Built on Wed Dec 19 11:52:38 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mpls-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mpls-px-4.3.0
  Built on Wed Dec 19 11:52:57 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```
iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mcast, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mcast-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-supp-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-px-4.3.0
  Built on Wed Dec 19 11:53:30 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```
hfr-diags-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-supply-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/6/SP is bootflash:
Package active on node 0/6/SP:
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mbi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mbi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```
hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-supply-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/6/CPU0 is mem:
Package active on node 0/6/CPU0:
iosxr-adv-video, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-adv-video-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-adv-video-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-adv-video-supply-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-video-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-video-px-4.3.0
  Built on Wed Dec 19 12:23:19 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-service, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-service-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-service-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-service-supply-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-services-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-services-px-4.3.0
  Built on Wed Dec 19 12:23:10 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mpls, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mpls-4.3.0
  Built on Wed Dec 19 11:52:38 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mpls-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mpls-px-4.3.0
  Built on Wed Dec 19 11:52:57 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
```

```
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mbi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mbi-4.3.0
Built on Wed Dec 19 11:56:37 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
Built on Wed Dec 19 11:53:34 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
Built on Wed Dec 19 11:53:35 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
Built on Wed Dec 19 11:57:22 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mcast, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mcast-4.3.0
Built on Wed Dec 19 11:52:59 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-sup-4.3.0
Built on Wed Dec 19 11:52:59 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-px-4.3.0
Built on Wed Dec 19 11:53:30 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
Built on Wed Dec 19 12:22:08 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```
hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/7/SP is bootflash:
Package active on node 0/7/SP:
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
```

```
Built on Wed Dec 19 11:53:35 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
Built on Wed Dec 19 11:57:22 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
Built on Wed Dec 19 12:22:08 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
Built on Wed Dec 19 12:22:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
Built on Wed Dec 19 12:22:34 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
Built on Wed Dec 19 12:22:35 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
Built on Wed Dec 19 12:21:40 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
Built on Wed Dec 19 12:22:02 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/7/CPU0 is mem:
Package active on node 0/7/CPU0:
iosxr-adv-video, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-adv-video-4.3.0
Built on Wed Dec 19 12:23:14 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-adv-video-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-adv-video-sup-4.3.0
Built on Wed Dec 19 12:23:14 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-video-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-video-px-4.3.0
Built on Wed Dec 19 12:23:19 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-service, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-service-4.3.0
Built on Wed Dec 19 12:22:44 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-service-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-service-sup-4.3.0
Built on Wed Dec 19 12:22:44 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-services-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-services-px-4.3.0
Built on Wed Dec 19 12:23:10 PST 2012
```

```
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mpls, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mpls-4.3.0
  Built on Wed Dec 19 11:52:38 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mpls-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mpls-px-4.3.0
  Built on Wed Dec 19 11:52:57 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mcast, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mcast-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-supp-4.3.0
```

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Built on Wed Dec 19 11:52:59 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-px-4.3.0
Built on Wed Dec 19 11:53:30 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
Built on Wed Dec 19 12:22:08 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
Built on Wed Dec 19 12:22:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
Built on Wed Dec 19 12:22:34 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
Built on Wed Dec 19 12:22:35 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
Built on Wed Dec 19 12:21:40 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
Built on Wed Dec 19 12:22:02 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/8/SP is bootflash:
Package active on node 0/8/SP:
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
```

```
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/8/CPU0 is mem:
Package active on node 0/8/CPU0:
iosxr-adv-video, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-adv-video-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-adv-video-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-adv-video-sup-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-video-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-video-px-4.3.0
  Built on Wed Dec 19 12:23:19 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```
iosxr-service, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-service-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-service-suppl, V 4.3.0[Default], Cisco Systems, at disk0:hfr-service-suppl-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-services-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-services-px-4.3.0
  Built on Wed Dec 19 12:23:10 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mpls, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mpls-4.3.0
  Built on Wed Dec 19 11:52:38 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mpls-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mpls-px-4.3.0
  Built on Wed Dec 19 11:52:57 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
```

```

By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mcast, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mcast-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-supp-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-px-4.3.0
  Built on Wed Dec 19 11:53:30 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-supp-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/10/SP is bootflash:
Package active on node 0/10/SP:
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

```

```
iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mbi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mbi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/10/CPU0 is mem:
Package active on node 0/10/CPU0:
```

```
iosxr-adv-video, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-adv-video-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-adv-video-suppl, V 4.3.0[Default], Cisco Systems, at disk0:hfr-adv-video-suppl-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-video-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-video-px-4.3.0
  Built on Wed Dec 19 12:23:19 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-service, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-service-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-service-suppl, V 4.3.0[Default], Cisco Systems, at disk0:hfr-service-suppl-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-services-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-services-px-4.3.0
  Built on Wed Dec 19 12:23:10 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mpls, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mpls-4.3.0
  Built on Wed Dec 19 11:52:38 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mpls-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mpls-px-4.3.0
  Built on Wed Dec 19 11:52:57 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```
hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mcast, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mcast-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-sup-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-px-4.3.0
  Built on Wed Dec 19 11:53:30 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/11/SP is bootflash:
Package active on node 0/11/SP:
```

```
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```
hfr-diags-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-supply-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/11/CPU0 is mem:
Package active on node 0/11/CPU0:
iosxr-adv-video, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-adv-video-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-adv-video-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-adv-video-supply-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-video-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-video-px-4.3.0
  Built on Wed Dec 19 12:23:19 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-service, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-service-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-service-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-service-supply-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-services-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-services-px-4.3.0
  Built on Wed Dec 19 12:23:10 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mpls, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mpls-4.3.0
  Built on Wed Dec 19 11:52:38 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mpls-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mpls-px-4.3.0
  Built on Wed Dec 19 11:52:57 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```
iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mcast, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mcast-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-supp-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-px-4.3.0
  Built on Wed Dec 19 11:53:30 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```
hfr-diags-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-supp-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/12/SP is bootflash:
Package active on node 0/12/SP:
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mbi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mbi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```
hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/12/CPU0 is mem:
Package active on node 0/12/CPU0:
iosxr-adv-video, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-adv-video-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-adv-video-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-adv-video-sup-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-video-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-video-px-4.3.0
  Built on Wed Dec 19 12:23:19 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-service, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-service-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-service-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-service-sup-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-services-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-services-px-4.3.0
  Built on Wed Dec 19 12:23:10 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mps, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mps-4.3.0
  Built on Wed Dec 19 11:52:38 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mps-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mps-px-4.3.0
  Built on Wed Dec 19 11:52:57 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
```

```
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mbi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mbi-4.3.0
Built on Wed Dec 19 11:56:37 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
Built on Wed Dec 19 11:53:34 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
Built on Wed Dec 19 11:53:35 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
Built on Wed Dec 19 11:57:22 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mcast, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mcast-4.3.0
Built on Wed Dec 19 11:52:59 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-sup-4.3.0
Built on Wed Dec 19 11:52:59 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-px-4.3.0
Built on Wed Dec 19 11:53:30 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
Built on Wed Dec 19 12:22:08 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```
hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/13/CPU0 is lcdisk0:
Package active on node 0/13/CPU0:
iosxr-adv-video, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-adv-video-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-adv-video-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-adv-video-sup-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-video-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-video-px-4.3.0
  Built on Wed Dec 19 12:23:19 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-service, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-service-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-service-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-service-sup-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-services-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-services-px-4.3.0
  Built on Wed Dec 19 12:23:10 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mpls, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mpls-4.3.0
  Built on Wed Dec 19 11:52:38 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mpls-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mpls-px-4.3.0
  Built on Wed Dec 19 11:52:57 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
```

```
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mbi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mbi-4.3.0
Built on Wed Dec 19 11:56:37 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
Built on Wed Dec 19 11:53:34 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
Built on Wed Dec 19 11:53:35 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
Built on Wed Dec 19 11:57:22 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mcast, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mcast-4.3.0
Built on Wed Dec 19 11:52:59 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-sup-4.3.0
Built on Wed Dec 19 11:52:59 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-px-4.3.0
Built on Wed Dec 19 11:53:30 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
Built on Wed Dec 19 12:22:08 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```
hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/15/SP is bootflash:
Package active on node 0/15/SP:
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
```

```
Built on Wed Dec 19 11:53:35 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
Built on Wed Dec 19 11:57:22 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
Built on Wed Dec 19 12:22:08 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
Built on Wed Dec 19 12:22:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
Built on Wed Dec 19 12:22:34 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
Built on Wed Dec 19 12:22:35 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
Built on Wed Dec 19 12:21:40 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
Built on Wed Dec 19 12:22:02 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/15/CPU0 is mem:
Package active on node 0/15/CPU0:
iosxr-adv-video, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-adv-video-4.3.0
Built on Wed Dec 19 12:23:14 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-adv-video-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-adv-video-sup-4.3.0
Built on Wed Dec 19 12:23:14 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-video-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-video-px-4.3.0
Built on Wed Dec 19 12:23:19 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-service, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-service-4.3.0
Built on Wed Dec 19 12:22:44 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-service-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-service-sup-4.3.0
Built on Wed Dec 19 12:22:44 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-services-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-services-px-4.3.0
Built on Wed Dec 19 12:23:10 PST 2012
```

```
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mpls, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mpls-4.3.0
  Built on Wed Dec 19 11:52:38 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mpls-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mpls-px-4.3.0
  Built on Wed Dec 19 11:52:57 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mcast, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mcast-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-sup-4.3.0
```

```
Built on Wed Dec 19 11:52:59 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-px-4.3.0
Built on Wed Dec 19 11:53:30 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
Built on Wed Dec 19 12:22:08 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
Built on Wed Dec 19 12:22:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
Built on Wed Dec 19 12:22:34 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
Built on Wed Dec 19 12:22:35 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
Built on Wed Dec 19 12:21:40 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
Built on Wed Dec 19 12:22:02 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Configuration register on node 0/RP0/CPU0 is 0x2
Boot device on node 0/RP0/CPU0 is disk0:
Package active on node 0/RP0/CPU0:
iosxr-security, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-security-4.3.0
Built on Wed Dec 19 12:21:29 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-k9sec-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-k9sec-sup-4.3.0
Built on Wed Dec 19 12:21:29 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-k9sec-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-k9sec-px-4.3.0
Built on Wed Dec 19 12:21:38 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-adv-video, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-adv-video-4.3.0
Built on Wed Dec 19 12:23:14 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-adv-video-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-adv-video-sup-4.3.0
Built on Wed Dec 19 12:23:14 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-video-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-video-px-4.3.0
```

```
Built on Wed Dec 19 12:23:19 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-service, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-service-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-service-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-service-supply-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-services-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-services-px-4.3.0
  Built on Wed Dec 19 12:23:10 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mpls, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mpls-4.3.0
  Built on Wed Dec 19 11:52:38 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mpls-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mpls-px-4.3.0
  Built on Wed Dec 19 11:52:57 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
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```
hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mgbl, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mgbl-4.3.0
  Built on Wed Dec 19 11:52:23 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mgbl-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mgbl-supp-4.3.0
  Built on Wed Dec 19 11:52:23 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mgbl-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mgbl-px-4.3.0
  Built on Wed Dec 19 11:52:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mcast, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mcast-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-supp-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-px-4.3.0
  Built on Wed Dec 19 11:53:30 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-doc-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-doc-supp-4.3.0
  Built on Wed Dec 19 12:22:36 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-doc-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-doc-px-4.3.0
  Built on Wed Dec 19 12:22:43 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```
hfr-diags-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-supply-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Configuration register on node 0/RP1/CPU0 is 0x2
Boot device on node 0/RP1/CPU0 is disk0:
Package active on node 0/RP1/CPU0:
iosxr-security, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-security-4.3.0
  Built on Wed Dec 19 12:21:29 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-k9sec-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-k9sec-supply-4.3.0
  Built on Wed Dec 19 12:21:29 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-k9sec-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-k9sec-px-4.3.0
  Built on Wed Dec 19 12:21:38 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-adv-video, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-adv-video-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-adv-video-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-adv-video-supply-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-video-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-video-px-4.3.0
  Built on Wed Dec 19 12:23:19 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-service, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-service-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-service-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-service-supply-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-services-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-services-px-4.3.0
  Built on Wed Dec 19 12:23:10 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mpls, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mpls-4.3.0
  Built on Wed Dec 19 11:52:38 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mpls-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mpls-px-4.3.0
  Built on Wed Dec 19 11:52:57 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mbi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mbi-4.3.0
Built on Wed Dec 19 11:56:37 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
Built on Wed Dec 19 11:53:34 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
Built on Wed Dec 19 11:53:35 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
Built on Wed Dec 19 11:57:22 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mgbl, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mgbl-4.3.0
Built on Wed Dec 19 11:52:23 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mgbl-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mgbl-sup-4.3.0
Built on Wed Dec 19 11:52:23 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mgbl-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mgbl-px-4.3.0
Built on Wed Dec 19 11:52:37 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mcast, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mcast-4.3.0
Built on Wed Dec 19 11:52:59 PST 2012

```

By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-supp-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-px-4.3.0
  Built on Wed Dec 19 11:53:30 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-doc-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-doc-supp-4.3.0
  Built on Wed Dec 19 12:22:36 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-doc-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-doc-px-4.3.0
  Built on Wed Dec 19 12:22:43 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-supp-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/FC0/SP is bootflash:
Package active on node 0/FC0/SP:
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

```

```
iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mbi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mbi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/FC1/SP is bootflash:
Package active on node 0/FC1/SP:
```

```
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```
hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/AM0/SP is bootflash:
Package active on node 0/AM0/SP:
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mbi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mbi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```
hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/SM0/SP is bootflash:
Package active on node 0/SM0/SP:
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mbi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mbi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
```

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Built on Wed Dec 19 11:53:35 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
Built on Wed Dec 19 11:57:22 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
Built on Wed Dec 19 12:22:08 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
Built on Wed Dec 19 12:22:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
Built on Wed Dec 19 12:22:34 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
Built on Wed Dec 19 12:22:35 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
Built on Wed Dec 19 12:21:40 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
Built on Wed Dec 19 12:22:02 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/SM1/SP is bootflash:
Package active on node 0/SM1/SP:
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
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By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/SM2/SP is bootflash:
Package active on node 0/SM2/SP:
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

```

```
iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mbi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mbi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 0/SM3/SP is bootflash:
Package active on node 0/SM3/SP:
```

```
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```
hfr-diags-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-supply-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 1/3/SP is bootflash:
Package active on node 1/3/SP:
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mbi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mbi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```
hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 1/3/CPU0 is mem:
Package active on node 1/3/CPU0:
iosxr-adv-video, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-adv-video-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-adv-video-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-adv-video-sup-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-video-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-video-px-4.3.0
  Built on Wed Dec 19 12:23:19 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-service, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-service-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-service-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-service-sup-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-services-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-services-px-4.3.0
  Built on Wed Dec 19 12:23:10 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mps, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mps-4.3.0
  Built on Wed Dec 19 11:52:38 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mps-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mps-px-4.3.0
  Built on Wed Dec 19 11:52:57 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
```

```
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mbi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mbi-4.3.0
Built on Wed Dec 19 11:56:37 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
Built on Wed Dec 19 11:53:34 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
Built on Wed Dec 19 11:53:35 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
Built on Wed Dec 19 11:57:22 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mcast, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mcast-4.3.0
Built on Wed Dec 19 11:52:59 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-sup-4.3.0
Built on Wed Dec 19 11:52:59 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-px-4.3.0
Built on Wed Dec 19 11:53:30 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
Built on Wed Dec 19 12:22:08 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 1/5/CPU0 is lcdisk0:
Package active on node 1/5/CPU0:
iosxr-adv-video, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-adv-video-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-adv-video-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-adv-video-sup-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-video-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-video-px-4.3.0
  Built on Wed Dec 19 12:23:19 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-service, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-service-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-service-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-service-sup-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-services-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-services-px-4.3.0
  Built on Wed Dec 19 12:23:10 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mps, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mps-4.3.0
  Built on Wed Dec 19 11:52:38 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mps-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mps-px-4.3.0
  Built on Wed Dec 19 11:52:57 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0

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Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mbi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mbi-4.3.0
Built on Wed Dec 19 11:56:37 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
Built on Wed Dec 19 11:53:34 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
Built on Wed Dec 19 11:53:35 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
Built on Wed Dec 19 11:57:22 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mcast, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mcast-4.3.0
Built on Wed Dec 19 11:52:59 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-sup-4.3.0
Built on Wed Dec 19 11:52:59 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-px-4.3.0
Built on Wed Dec 19 11:53:30 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
Built on Wed Dec 19 12:22:08 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```
hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 1/9/SP is bootflash:
Package active on node 1/9/SP:
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
```

```
Built on Wed Dec 19 11:53:35 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
Built on Wed Dec 19 11:57:22 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
Built on Wed Dec 19 12:22:08 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
Built on Wed Dec 19 12:22:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
Built on Wed Dec 19 12:22:34 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
Built on Wed Dec 19 12:22:35 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
Built on Wed Dec 19 12:21:40 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
Built on Wed Dec 19 12:22:02 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 1/9/CPU0 is mem:
Package active on node 1/9/CPU0:
iosxr-adv-video, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-adv-video-4.3.0
Built on Wed Dec 19 12:23:14 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-adv-video-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-adv-video-sup-4.3.0
Built on Wed Dec 19 12:23:14 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-video-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-video-px-4.3.0
Built on Wed Dec 19 12:23:19 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-service, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-service-4.3.0
Built on Wed Dec 19 12:22:44 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-service-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-service-sup-4.3.0
Built on Wed Dec 19 12:22:44 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-services-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-services-px-4.3.0
Built on Wed Dec 19 12:23:10 PST 2012
```

```
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mpls, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mpls-4.3.0
  Built on Wed Dec 19 11:52:38 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mpls-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mpls-px-4.3.0
  Built on Wed Dec 19 11:52:57 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mcast, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mcast-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-supp-4.3.0
```

```
Built on Wed Dec 19 11:52:59 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-px-4.3.0
Built on Wed Dec 19 11:53:30 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
Built on Wed Dec 19 12:22:08 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
Built on Wed Dec 19 12:22:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
Built on Wed Dec 19 12:22:34 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
Built on Wed Dec 19 12:22:35 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-supply-4.3.0
Built on Wed Dec 19 12:21:40 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
Built on Wed Dec 19 12:22:02 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 1/12/CPU0 is lcdisk0:
Package active on node 1/12/CPU0:
iosxr-adv-video, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-adv-video-4.3.0
Built on Wed Dec 19 12:23:14 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-adv-video-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-adv-video-supply-4.3.0
Built on Wed Dec 19 12:23:14 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-video-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-video-px-4.3.0
Built on Wed Dec 19 12:23:19 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-service, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-service-4.3.0
Built on Wed Dec 19 12:22:44 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-service-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-service-supply-4.3.0
Built on Wed Dec 19 12:22:44 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-services-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-services-px-4.3.0
Built on Wed Dec 19 12:23:10 PST 2012
```

```
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mpls, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mpls-4.3.0
  Built on Wed Dec 19 11:52:38 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mpls-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mpls-px-4.3.0
  Built on Wed Dec 19 11:52:57 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mcast, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mcast-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-supp-4.3.0
```

```
Built on Wed Dec 19 11:52:59 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-px-4.3.0
Built on Wed Dec 19 11:53:30 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
Built on Wed Dec 19 12:22:08 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
Built on Wed Dec 19 12:22:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
Built on Wed Dec 19 12:22:34 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
Built on Wed Dec 19 12:22:35 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-supply-4.3.0
Built on Wed Dec 19 12:21:40 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
Built on Wed Dec 19 12:22:02 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 1/13/CPU0 is lcdisk0:
Package active on node 1/13/CPU0:
iosxr-adv-video, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-adv-video-4.3.0
Built on Wed Dec 19 12:23:14 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-adv-video-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-adv-video-supply-4.3.0
Built on Wed Dec 19 12:23:14 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-video-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-video-px-4.3.0
Built on Wed Dec 19 12:23:19 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-service, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-service-4.3.0
Built on Wed Dec 19 12:22:44 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-service-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-service-supply-4.3.0
Built on Wed Dec 19 12:22:44 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-services-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-services-px-4.3.0
Built on Wed Dec 19 12:23:10 PST 2012
```

```
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mps, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mps-4.3.0
  Built on Wed Dec 19 11:52:38 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mps-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mps-px-4.3.0
  Built on Wed Dec 19 11:52:57 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mcast, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mcast-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-supp-4.3.0
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Built on Wed Dec 19 11:52:59 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-px-4.3.0
Built on Wed Dec 19 11:53:30 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
Built on Wed Dec 19 12:22:08 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
Built on Wed Dec 19 12:22:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
Built on Wed Dec 19 12:22:34 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
Built on Wed Dec 19 12:22:35 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
Built on Wed Dec 19 12:21:40 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
Built on Wed Dec 19 12:22:02 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 1/14/SP is bootflash:
Package active on node 1/14/SP:
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
```

```

By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 1/14/CPU0 is mem:
Package active on node 1/14/CPU0:
iosxr-adv-video, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-adv-video-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-adv-video-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-adv-video-sup-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-video-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-video-px-4.3.0
  Built on Wed Dec 19 12:23:19 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

```

```
iosxr-service, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-service-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-service-suppl, V 4.3.0[Default], Cisco Systems, at disk0:hfr-service-suppl-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-services-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-services-px-4.3.0
  Built on Wed Dec 19 12:23:10 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mpls, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mpls-4.3.0
  Built on Wed Dec 19 11:52:38 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mpls-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mpls-px-4.3.0
  Built on Wed Dec 19 11:52:57 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwlding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwlding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwlding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwlding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
```

```

By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mcast, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mcast-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-supp-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-px-4.3.0
  Built on Wed Dec 19 11:53:30 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-supp-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Configuration register on node 1/RP0/CPU0 is 0x2
Boot device on node 1/RP0/CPU0 is disk0:
Package active on node 1/RP0/CPU0:
iosxr-security, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-security-4.3.0
  Built on Wed Dec 19 12:21:29 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-k9sec-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-k9sec-supp-4.3.0
  Built on Wed Dec 19 12:21:29 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-k9sec-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-k9sec-px-4.3.0
  Built on Wed Dec 19 12:21:38 PST 2012

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```
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-adv-video, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-adv-video-4.3.0
Built on Wed Dec 19 12:23:14 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-adv-video-suppl, V 4.3.0[Default], Cisco Systems, at disk0:hfr-adv-video-suppl-4.3.0
Built on Wed Dec 19 12:23:14 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-video-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-video-px-4.3.0
Built on Wed Dec 19 12:23:19 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-service, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-service-4.3.0
Built on Wed Dec 19 12:22:44 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-service-suppl, V 4.3.0[Default], Cisco Systems, at disk0:hfr-service-suppl-4.3.0
Built on Wed Dec 19 12:22:44 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-services-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-services-px-4.3.0
Built on Wed Dec 19 12:23:10 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mpsl, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mpsl-4.3.0
Built on Wed Dec 19 11:52:38 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mpsl-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mpsl-px-4.3.0
Built on Wed Dec 19 11:52:57 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
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Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mgbl, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mgbl-4.3.0
  Built on Wed Dec 19 11:52:23 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mgbl-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mgbl-supp-4.3.0
  Built on Wed Dec 19 11:52:23 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mgbl-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mgbl-px-4.3.0
  Built on Wed Dec 19 11:52:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mcast, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mcast-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-supp-4.3.0
  Built on Wed Dec 19 11:52:59 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-px-4.3.0
  Built on Wed Dec 19 11:53:30 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```
hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-doc-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-doc-supply-4.3.0
  Built on Wed Dec 19 12:22:36 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-doc-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-doc-px-4.3.0
  Built on Wed Dec 19 12:22:43 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-supply-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Configuration register on node 1/RP1/CPU0 is 0x2
Boot device on node 1/RP1/CPU0 is disk0:
Package active on node 1/RP1/CPU0:
iosxr-security, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-security-4.3.0
  Built on Wed Dec 19 12:21:29 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-k9sec-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-k9sec-supply-4.3.0
  Built on Wed Dec 19 12:21:29 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-k9sec-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-k9sec-px-4.3.0
  Built on Wed Dec 19 12:21:38 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-adv-video, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-adv-video-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-adv-video-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-adv-video-supply-4.3.0
  Built on Wed Dec 19 12:23:14 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-video-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-video-px-4.3.0
  Built on Wed Dec 19 12:23:19 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-service, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-service-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-service-supply, V 4.3.0[Default], Cisco Systems, at disk0:hfr-service-supply-4.3.0
  Built on Wed Dec 19 12:22:44 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

hfr-services-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-services-px-4.3.0
Built on Wed Dec 19 12:23:10 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mppls, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mppls-4.3.0
Built on Wed Dec 19 11:52:38 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mppls-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mppls-px-4.3.0
Built on Wed Dec 19 11:52:57 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
Built on Wed Dec 19 11:56:37 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
Built on Wed Dec 19 11:53:34 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
Built on Wed Dec 19 11:53:35 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
Built on Wed Dec 19 11:57:22 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mgbl, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mgbl-4.3.0
Built on Wed Dec 19 11:52:23 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mgbl-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mgbl-supp-4.3.0
Built on Wed Dec 19 11:52:23 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mgbl-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mgbl-px-4.3.0
Built on Wed Dec 19 11:52:37 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-mcast, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-mcast-4.3.0
Built on Wed Dec 19 11:52:59 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-supp-4.3.0
Built on Wed Dec 19 11:52:59 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mcast-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mcast-px-4.3.0
Built on Wed Dec 19 11:53:30 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
Built on Wed Dec 19 12:22:08 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
Built on Wed Dec 19 12:22:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
Built on Wed Dec 19 12:22:34 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
Built on Wed Dec 19 12:22:35 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-doc-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-doc-supp-4.3.0
Built on Wed Dec 19 12:22:36 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-doc-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-doc-px-4.3.0
Built on Wed Dec 19 12:22:43 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-supp-4.3.0
Built on Wed Dec 19 12:21:40 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
Built on Wed Dec 19 12:22:02 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 1/FC0/SP is bootflash:
Package active on node 1/FC0/SP:

```
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```
hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 1/FC1/SP is bootflash:
Package active on node 1/FC1/SP:
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mbi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mbi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```
hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 1/AM0/SP is bootflash:
Package active on node 1/AM0/SP:
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
```

```
Built on Wed Dec 19 11:53:35 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
Built on Wed Dec 19 11:57:22 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
Built on Wed Dec 19 12:22:08 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
Built on Wed Dec 19 12:22:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
Built on Wed Dec 19 12:22:34 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
Built on Wed Dec 19 12:22:35 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
Built on Wed Dec 19 12:21:40 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
Built on Wed Dec 19 12:22:02 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 1/SM0/SP is bootflash:
Package active on node 1/SM0/SP:
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
Built on Wed Dec 19 11:53:32 PST 2012
```

```
By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-supp-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 1/SM1/SP is bootflash:
Package active on node 1/SM1/SP:
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```
iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mbi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mbi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 1/SM2/SP is bootflash:
Package active on node 1/SM2/SP:
```

```
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mpi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mpi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```
hfr-diags-supp, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-supp-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

Boot device on node 1/SM3/SP is bootflash:
Package active on node 1/SM3/SP:
iosxr-infra, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-infra-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-fwding-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-routing, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-routing-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-diags, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-diags-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

iosxr-ce, V 4.3.0[Default], Cisco Systems, at disk0:iosxr-ce-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-base, V 4.3.0[Default], Cisco Systems, at disk0:hfr-base-4.3.0
  Built on Wed Dec 19 11:53:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-os-mbi, V 4.3.0[Default], Cisco Systems, at disk0:hfr-os-mbi-4.3.0
  Built on Wed Dec 19 11:56:37 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fwding, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fwding-4.3.0
  Built on Wed Dec 19 11:53:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-ce, V 4.3.0[Default], Cisco Systems, at disk0:hfr-ce-4.3.0
  Built on Wed Dec 19 11:53:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-mini-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-mini-px-4.3.0
  Built on Wed Dec 19 11:57:22 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fpd, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-4.3.0
  Built on Wed Dec 19 12:22:08 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie
```

```

hfr-fpd-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fpd-px-4.3.0
  Built on Wed Dec 19 12:22:32 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-4.3.0
  Built on Wed Dec 19 12:22:34 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-fit-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-fit-px-4.3.0
  Built on Wed Dec 19 12:22:35 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-sup, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-sup-4.3.0
  Built on Wed Dec 19 12:21:40 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

hfr-diags-px, V 4.3.0[Default], Cisco Systems, at disk0:hfr-diags-px-4.3.0
  Built on Wed Dec 19 12:22:02 PST 2012
  By iox-bld2 in /auto/srcarchive7/production/4.3.0/all/workspace for pie

```

Software Features Introduced in Cisco IOS XR Software Release 4.3.0

BGP DMZ Link Bandwidth for Unequal Cost Recursive Load Balancing

Border Gateway Protocol demilitarized zone (BGP DMZ) Link Bandwidth for Unequal Cost Recursive Load Balancing provides support for unequal cost load balancing for recursive prefixes on local node using BGP DMZ Link Bandwidth. The unequal load balance is achieved by using the **dmz-link-bandwidth** command in BGP Neighbor configuration mode and the **bandwidth** command in Interface configuration mode.

For more information on configuring BGP DMZ Link Bandwidth, see the *Implementing BGP* chapter in the *Cisco IOS XR Routing Configuration Guide for the Cisco CRS Router*. For complete command reference of the BGP DMZ Link Bandwidth commands, see the *BGP Commands* chapter in the *Cisco IOS XR Routing Command Reference for the Cisco CRS Router*.

EIGRP Wide Metric Computation

The Cisco IOS XR Enhanced Interior Gateway Routing Protocol (EIGRP) implementation is enhanced to perform wide metric computation. This enhancement is to support high bandwidth interfaces.

A new EIGRP command is added and existing EIGRP commands are enhanced to support wide metric computation feature.

- **metric rib-scale**—This command was introduced.
- **metric**—The **picoseconds** keyword was added.

- **metric weights**—Support was added for the *k6* constant.
- **show eigrp interfaces**—The command output was modified to display relevant wide metric information.
- **show eigrp neighbors**—The command output was modified to display relevant wide metric information.
- **show eigrp topology**—The command output was modified to display relevant wide metric information.
- **show protocols**—The command output was modified to display relevant wide metric information.

For more complete command reference information of these commands, see the EIGRP Commands chapter in the *Cisco IOS XR Routing Command Reference for the Cisco CRS Router*.

Flex-LSR Label Switch Processor 140

The Label Switch Processor 140 line card is a scaled down version of Cisco CRS 3 line card. The Flex -LSR feature imposes these limits to download of routes and labels:

- 16K IPv4 and IPv6 unicast (including VRF) routes
- 8K IPv4 and IPv6 multicast routes
- 100K labels

OSPFv3 Timers Link-state Advertisements and Shortest Path First Throttle Default Values Update

The Open Shortest Path First version 3 (OSPFv3) timers link-state advertisements (LSAs) and shortest path first (SPF) throttle default values are updated to:

- **timers throttle lsa all**—*start-interval*: 50 milliseconds and *hold-interval*: 200 milliseconds
- **timers throttle spf**—*spf-start*: 50 milliseconds, *spf-hold*: 200 milliseconds, *spf-max-wait*: 5000 milliseconds

For complete command reference of the timers throttle lsa all and timers throttle spf commands, see the OSPFv3 Commands chapter in the *Cisco IOS XR Routing Command Reference for the Cisco CRS Router*.

Route Convergence Monitoring and Diagnostics OSPF Type 3/5/7 Link-state Advertisements Monitoring

The Route Convergence Monitoring and Diagnostics (RCMD) OSPF type 3/5/7 link-state advertisements (LSA) monitoring feature flags and differentiates the LSAs during the monitoring of LSAs. A change in route for type 3/5/7 LSAs has to be monitored. During the route calculation, if the route source appears to be type 3/5/7 LSAs and the route change is an add or delete action, then those prefixes have to be monitored. RCMD monitors all deletion of available paths (a purge operation) and addition of the first path (a restoration operation) for all type 3/5/7 LSAs. The OSPF type 3/5/7 LSAs are monitored and reported on a individual prefix basis. However, a modify operation that involves a change in paths not affecting reachability as a whole, is not monitored. Although all prefixes are logged for reporting, the convergence tracking is rate-limited for the first 10 prefixes that are affected in an SPF run.

The RCMD OSPF type 3/5/7 LSA monitoring is enabled by configuring the **track-external-routes** and **track-summary-routes** under Router OSPF monitor-convergence configuration mode.

For more information on configuring RCMD OSPF Type 3/5/7 LSA Monitoring, see the *Implementing RCMD* chapter in the *Cisco IOS XR Routing Configuration Guide for the Cisco CRS Router*. For complete command reference of the RCMD OSPF Type 3/5/7 LSA Monitoring commands, see the *RCMD Commands* chapter in the *Cisco IOS XR Routing Command Reference for the Cisco CRS Router*.

Route Convergence Monitoring and Diagnostics Prefix Monitoring

The Route Convergence Monitoring and Diagnostics (RCMD) prefix monitoring feature enables convergence monitoring for specific individual prefixes in Open Shortest Path First (OSPF) and Intermediate System-to-Intermediate System (IS-IS) Interior Gateway Protocols (IGP). In IGP, when the route information is created, the prefix is verified against the configured prefix-list. If the prefix is found to be monitored, it is marked for monitoring and information about each prefix change event is captured. The RCMD prefix monitoring individually monitors specific prefixes on each RCMD enabled router in the network. A maximum of 10 prefixes can be monitored. Individual prefix monitoring compliments the probes enabled at customer network edges to monitor connectivity and availability of specific service end-points.

The RCMD prefix monitoring for IS-IS prefixes is enabled by configuring the **prefix-list** command under Router IS-IS monitor-convergence configuration mode. The RCMD prefix monitoring for OSPF prefixes is enabled by configuring the **prefix-list** command under Router OSPF monitor-convergence configuration mode.

For more information on configuring RCMD Prefix Monitoring, see the *Implementing RCMD* chapter in the *Cisco IOS XR Routing Configuration Guide for the Cisco CRS Router*. For complete command reference of the RCMD Prefix Monitoring commands, see the *RCMD Commands* chapter in the *Cisco IOS XR Routing Command Reference for the Cisco CRS Router*.

Selective VRF Download

Selective VRF Download (SVD) feature enables the downloading of only those prefixes and labels to a line card that are actively required to forward traffic through the line card.

To meet the demand for a consolidated edge MSE platform, the number of VRFs, VRF interfaces, and the prefix capacity increase. Convergence timings differ in different line card engines. One of the major factors that determine convergence timing is the time taken to process and program a prefix and its associated data structures. A lesser number of prefixes and labels ensure better convergence timing. By enabling selective download of VRF routes to both Engine-3 (E3) and Engine-5 (E5) line cards, SVD reduces scalability and convergence problems in Layer 3 VPNs (L3VPNs).

By default, SVD is enabled on the line cards. Use the **selective-vrf-download disable** command to disable SVD. Use the **show svd role** and **show svd state** commands to display role and state information of SVD on line cards.

For more information on selective VRF download, see the Cisco white paper, *Selective Virtual Routing and Forwarding Table Download: A solution to increase Layer3 VPN scale* at this URL http://www.cisco.com/en/US/technologies/collateral/tk648/tk365/white_paper_c11-681649.html

For more information on Line Card Roles and Filters in Selective VRF Download, see the *Implementing BGP* chapter in the *Cisco IOS XR Routing Configuration Guide for the Cisco CRS Router*. For complete command reference of the selective VRF download commands, see the *BGP commands* chapter in the *Cisco IOS XR Routing Command Reference for the Cisco CRS Router*

Unequal Cost Multipath Load-balancing for IS-IS

The unequal cost multipath (UCMP) load-balancing adds the capability with intermediate system-to-intermediate system (IS-IS) to load-balance traffic proportionally across multiple links, with different cost.

Generally, higher bandwidth links have lower IGP metrics configured, so that they form the shortest IGP paths. With the UCMP load-balancing enabled, IGP can use even lower bandwidth links or higher cost links for traffic, and can install these paths to the forwarding information base (FIB). IS-IS IGP still installs multiple paths to the same destination in FIB, but each path will have a 'load metric/weight' associated with it. FIB uses this load metric/weight to decide the amount of traffic that needs to be sent on a higher bandwidth link and the amount of traffic that needs to be sent on a lower bandwidth link.

For information on configuring UCMP load-balancing for IS-IS, see the *Implementing IS-IS* chapter in the *Cisco IOS XR Routing Configuration Guide for the Cisco CRS Router*. For complete command reference of the UCMP load-balancing commands, see the *IS-IS Commands* chapter in the *Cisco IOS XR Routing Command Reference for the Cisco CRS Router*.

VRF-lite Support for OSPFv2

VRF-lite capability is enabled for OSPF version 2 (OSPFv2). VRF-lite is the virtual routing and forwarding (VRF) deployment without the BGP/MPLS based backbone. In VRF-lite, individual provider edge (PE) routers are directly connected using VRF interfaces. To enable VRF-lite in OSPFv2, configure the **capability vrf-lite** command in VRF configuration mode. When VRF-lite is configured, the DN bit processing and the automatic Area Border Router (ABR) status setting are disabled.

For complete command reference information of the **capability-vrf** command, see the *OSPFv2 Commands* chapter in the *Cisco IOS XR Routing Command Reference for the Cisco CRS Router*.

Layer-3 Traffic Mirroring on the Cisco CRS Router

Traffic mirroring, which is sometimes called port mirroring, or Switched Port Analyzer (SPAN) is a Cisco proprietary feature that enables you to monitor Layer 3 network traffic passing in, or out of, a set of Ethernet interfaces. You can then pass this traffic to a network analyzer for analysis.

Traffic mirroring copies traffic from one or more Layer 3 interfaces and sends the copied traffic to one or more destinations for analysis by a network analyzer or other monitoring device. Traffic mirroring does not affect the switching of traffic on the source interfaces or sub-interfaces, and allows the mirrored traffic to be sent to a destination interface next-hop address or sub-interface. Layer 2 SPAN is not supported on the Cisco CRS Router.

Layer 3 SPAN is a special case of local SPAN. The difference from Layer 2 SPAN is that the destination for mirrored packets is specified as a next-hop IP address rather than an explicit interface, and only Layer 3 packets are mirrored.

In the Cisco IOS XR Software Release 4.3.0, it is assumed that the next-hop IP address should be looked up in the default VRF routing table.

Furthermore, support for SPAN on BNG subscriber interfaces has also been added. They have a different configuration model that involves the use of templates but from most other aspects they are treated just like any other source interface.

For more information on traffic mirroring and configuration, see *Configuring Traffic Mirroring on the Cisco IOS XR Software* chapter in *Cisco IOS XR Interface and Hardware Component Configuration Guide* on the Cisco CRS Router.

Support for 6PE/6VPE over L2TPv3

The 6PE/6VPE over L2TPv3 feature supports native IPv6 (6PE) and IPv6 VPN services (6VPE) (described in RFC 2547) over L2TPv3 tunnels across an IPv4 core network. The 6PE/6VPE over L2TPv3 feature is supported for label, IPv6 VPN (6VPE) and 6PE traffic.

For more information on configuring L2TPv3, see the *Implementing Layer 2 Tunnel Protocol Version 3* module in the *Cisco IOS XR Virtual Private Network Configuration Guide for the Cisco CRS Router*.

Pseudowire Grouping

When pseudowires (PW) are established, each PW is assigned a group ID that is common for all PWs that are created from the same physical port. Therefore, when the physical port becomes non-functional or is deleted, L2VPN sends a single message to advertise the status change of all PWs belonging to the group. A single L2VPN signal thus avoids a lot of processing and the resulting loss in response.

For more information on configuring pseudowire groups, see the *Implementing Point to Point Layer 2 Services* module in the . For more information on commands to configure pseudowire groups, see the .

L2VPN Nonstop Routing

The L2VPN Nonstop Routing (NSR) feature avoids label distribution path (LDP) sessions from flapping on events such as process failures (crash) and route processor failover (RPFO). If you have enabled NSR using NSR process failure switchover, NSR on process failure (crash) is supported by performing RPFO.

NSR enables the router (where failure has occurred) to maintain the control plane states without a graceful restart (GR). NSR, by definition, does not require any protocol extension and typically uses Stateful Switch Over (SSO) to maintain its control plane states.

For more information on configuring L2VPN NSR, see the *Implementing Point to Point Layer 2 Services* module in the .

IPv6 Support for IP SLA ICMP Echo Operation

IP Service Level Agreements (SLAs) Internet Control Message Protocol (ICMP) Echo operation is used to monitor the end-to-end response time between a Cisco router and devices using IP. ICMP Echo is useful for troubleshooting network connectivity issues.

For more information about IPv6 Support for IP SLA ICMP Echo operation feature, see the *Implementing Host Services and Applications* module in the *Cisco IOS XR IP Addresses and Services Configuration Guide for the Cisco CRS Router*.

For complete command reference of the Host Services and Applications commands, see the *Host Services and Applications Commands* chapter in the *Cisco IOS XR IP Addresses and Services Command Reference for the Cisco CRS Router*.

Multiple Group Optimization for Virtual Router Redundancy Protocol

Multiple Group Optimization for Virtual Router Redundancy Protocol (VRRP) provides a solution for reducing control traffic in a deployment consisting of many subinterfaces. By running the VRRP control traffic for just one session, the control traffic is reduced for the subinterfaces with identical redundancy requirements. All other sessions are slaves of this primary session, and inherit their states from it.

For more information about Multiple Group Optimization for VRRP feature, see the *Implementing VRRP* module in the *Cisco IOS XR IP Addresses and Services Configuration Guide for the Cisco CRS Router*.

For complete command reference of the VRRP commands, see the *VRRP Commands* chapter in the *Cisco IOS XR IP Addresses and Services Command Reference for the Cisco CRS Router*.

GMPLS UNI

The Generalized Multiprotocol Label Switching (GMPLS) User Network Interface (UNI) creates a circuit connection between two clients (UNI-C) of an optical network. This connection is achieved by signaling exchanges between UNI Client (UNI-C) and UNI Network (UNI-N) nodes, where UNI-C nodes are router nodes and UNI-N nodes are optical nodes.

For more information about implementing GMPLS UNI feature, see the *Cisco IOS XR MPLS Configuration Guide for the Cisco CRS Router* and *Cisco IOS XR MPLS Command Reference for the Cisco CRS Router*.

Point-to-Point Tunneling Protocol - Application Level Gateway

Point-to-Point Tunneling Protocol - Application Level Gateway (PPTP) is a network protocol that enables the secure transfer of data from a remote client to a private enterprise server by creating a virtual private network (VPN) across TCP/IP-based data networks.

Point-to-Point Tunneling Protocol - Application Level Gateway (PPTP-ALG) is a solution that allows traffic from all the clients through a single PPTP tunnel between the firewall and the server.

For more information about the PPTP-ALG feature, see the *Implementing Carrier Grade IPv6 on Cisco IOS XR Software* module in the *Cisco IOS XR Carrier Grade NAT Configuration Guide for the Cisco CRS Router*.

For more information on CLIs, see the *Cisco IOS XR Carrier Grade NAT Command Reference for the Cisco CRS Router*.

Destination-Based Logging

Destination-Based Logging (DBL) enables inclusion of destination IPv4 address and port number in the Netflow create and delete records for NAT44 and DS Lite features.

For more information about the DBL feature, see the *Implementing Carrier Grade IPv6 on Cisco IOS XR Software* module in the *Cisco IOS XR Carrier Grade NAT Configuration Guide for the Cisco CRS Router*.

For more information on CLIs, see the *Cisco IOS XR Carrier Grade NAT Command Reference for the Cisco CRS Router*.

Port Control Protocol

Port Control Protocol (PCP) allows an IPv6 or IPv4 host to control how incoming IPv6 or IPv4 packets are translated and forwarded by a network address translator.

For more information about the PCP feature, see the Implementing Carrier Grade IPv6 on Cisco IOS XR Software module in the *Cisco IOS XR Carrier Grade NAT Configuration Guide for the Cisco CRS Router*.

For more information on CLIs, see the *Cisco IOS XR Carrier Grade NAT Command Reference for the Cisco CRS Router*.

Next-Generation Multicast VPN

Next-Generation Multicast VPN (NG-MVPN) offers more scalability for Layer 3 VPN multicast traffic. It allows point-to-multipoint Label Switched Paths (LSP) to be used to transport the multicast traffic between PEs, thus allowing the multicast traffic and the unicast traffic to benefit from the advantages of MPLS transport, such as traffic engineering and fast re-route. This technology is ideal for video transport as well as offering multicast service to customers of the layer 3 VPN service.

Advantages of NG-MVPN:

- VRF Route-Import and Source-AS Extended Communities
- Upstream Multicast Hop (UMH) and Duplicate Avoidance
- Leaf AD (Type-4) and Source-Active (Type-5) BGP AD messages
- Default-MDT with mLDP P2MP trees and with Static P2MP-TE tunnels
- BGP C-multicast Routing
- RIB-based Extranet with BGP AD
- Accepting (*,G) S-PMSI announcements
- Egress-PE functionality for Ingress Replication (IR) core-trees
- Enhancements for PIM C-multicast Routing
- Migration of C-multicast Routing protocol

Upgrading Software Images Without a Router Reload

In-service software upgrade (ISSU) software maintenance upgrade (SMU) is not supported in Cisco IOS XR Release 4.3.0 on the CRS router. To upgrade from a previous software release to Release 4.3.0, a router reload is required. There are no production SMUs with ISSU in this release.

CRS Power Management

The power management feature is used to track the power available to the CRS chassis and the power consumed by the chassis.

The Power management feature provides the following:

- Power management software framework.
- CLI **show power** to view power consumption (chassis, per slot and zone), power availability and internal power tables.
- Logging and Alarm facility to warn users when power budget is exceeded and to inform when budget is available.

Limitation

Software power management feature has the following limitations with the current implementation.

- Software will only issue warnings, cards are allowed to function even if they exceed the chassis power availability.
- For power usage calculations, always assume worst case power consumption data from the internal tables. It will not be configuration dependent.
- When calculating total power consumption, RP, Switch Fabric, Fan tray, Fan controller and Alarm module power consumption will always be added to the total chassis power usage regardless of whether they are physically present or not. This will be done to prevent a situation where the user exceeds the power budget when adding a redundant RP or an FC / SM card.
- Switch (fabric) modules as mentioned above are considered as part of the 'mandatory' cards which are allowed to power on irrespective of the available power.
- All removable modules such as SPAs and XFPs are counted towards power consumption even if those SPAs and XFPs are not physically present.
- The TDI power shelves are designed with redundancy. So, even if the power values are additive across the shelves, only the lowest value of total power available in either shelf will be considered.



Note

For Arctic systems, the total power availability is the sum of all power modules in both shelves *minus* one. This one power module is reserved to guard against a single module failure. Software will issue a separately worded warning and alarm when the power consumption crosses this threshold.



Note

For Firefly system, the total power availability will be the sum of all the power modules present (Maximum of four).

Displaying the Chassis Power

To view the power statistics for each rack in chassis and the present total chassis power use the "**show Power**" command in administration EXEC mode.

[Table 1](#) summarizes the command and its sub-commands and their usage.

Table 4: Command Usage description

Command	Show Command	Options	Parameters	Description
show power	allotted	rack	<rack number>	Display the power allotted to the cards in a particular rack.
		location	Word	Show the power allotted to a card.
		summary (default)	-	Summary display of the power allotment of rack.
	capacity	rack	<rack number>	Display the power supplied to a particular rack.
		summary (default)	-	Summary display of total power available to rack.
	summary	rack	<rack number>	Shows a summary of power consumption and availability for the rack.

The following examples display the power allotted location, power allotted summary, power allotted rack and power capacity summary:

For ARCTIC Power Supply

```
RP/0/RP0/CPU0: router(admin)#sh power allotted location 0/0/*
Sun Nov 18 22:00:51.176 UTC
nodeid = 0x2a00000f
```

Node	Card Type	State	PID	Power Allotted
0/0/*	FP-140G	POWERED UP	CRS-MSC-FP140	450.0W
0/0/PL0	14-10GbE	POWERED UP	14X10GBE-WL-XF	150.0W

```
RP/0/RP0/CPU0:router(admin)#sh power allotted rack 0
```

```
Sun Nov 18 22:01:03.104 UTC
```

Node	Card Type	State	PID	Power Allotted
0/0/*	FP-140G	POWERED UP	CRS-MSC-FP140	450.0W
0/0/PL0	14-10GbE	POWERED UP	14X10GBE-WL-XF	150.0W
0/2/*	MSC-B	UNPOWERED		7.0W
0/3/*	MSC	UNPOWERED		7.0W
0/RP0/*	RP (H)	N/A	CRS-8-RP	150.0W
0/RP1/*	RP (H)	N/A	CRS-8-RP	150.0W
0/SM0/*	FC-140G/S (QQ)	N/A	CRS-4-FC1S0/S	55.0W
0/SM1/*	UNKNOWN	N/A		55.0W
0/SM2/*	FC-140G/S (QQ)	N/A	CRS-4-FC140/S	55.0W
0/SM3/*	UNKNOWN	N/A		55.0W
0/FAN-TR0	FAN TRAY	N/A	CRS-4-FAN-TR	151.0W

```
RP/0/RP0/CPU0:router(admin)#sh power allotted summary
Sun Nov 18 22:01:28.994 UTC
```

Power Allotment Summary:

Location	Power Allotted
Rack 0	
Total:	1285.0W

RP/0/RP0/CPU0:router(admin)#sh power capacity rack 0
Sun Nov 18 22:02:11.394 UTC

Rack 0: Cisco CRS Series AC Power System

Power Module	State	Power Capacity
0	OK	1900.0W
1	OK	1900.0W
2	OK	1900.0W
3	OK	1900.0W
Total Rack Power Capacity:		7600.0W

RP/0/RP0/CPU0:router(admin)#sh power capacity summary
Sun Nov 18 22:02:17.862 UTC

Power Capacity Summary:

Location	Power Capacity
Rack 0	
Total :	7600.0W

RP/0/RP0/CPU0:router(admin)#sh power summary rack 0
Sun Nov 18 22:02:40.434 UTC

Location	Power Capacity	Power Allotted	Power Available
Rack : 0	7600.0W	1285.0W	6315.0W

For TDI Power Supply

RP/0/RP1/CPU0:router(admin)#sh hfr
Tue Nov 20 18:50:29.667 OST

***** Router is running in Dual Router configuration *****

Node	Type	PLIM	State	Config State
0/4/*	UNKNOWN	N/A	UNPOWERED	NPWR,NSHUT,MON
0/6/SP	MSC-B(SP)	N/A	IOS XR RUN	PWR,NSHUT,MON
0/6/CPU0	MSC-B	Jacket Card	IOS XR RUN	PWR,NSHUT,MON
0/6/5	MSC-B(SPA)	UNKNOWN SPA	DISABLED	PWR,SHUT,MON
0/7/CPU0	MSC-140G	N/A	IN-RESET	PWR,NSHUT,MON
0/RP1/CPU0	RP(Active)	N/A	IOS XR RUN	PWR,NSHUT,MON
0/SM1/SP	FC-140G/S(SP)	N/A	IOS XR RUN	PWR,NSHUT,MON
0/SM3/SP	FC-140G/S(SP)	N/A	IOS XR RUN	PWR,NSHUT,MON

RP/0/RP1/CPU0:router(admin)#sh power allotted rack 0
Tue Nov 20 18:51:56.404 OST

Zone	Node	Card Type	State	PID
Power Allotted				
Zone 1:				
75.0W	0/FAN-TR0	FAN TRAY	N/A	CRS-8-LCC-FAN-
75.0W	0/FAN-TR1	FAN TRAY	N/A	CRS-8-LCC-FAN-
Zone 2:				
175.0W	0/RP0/*	UNKNOWN	N/A	

175.0W	0/RP1/*	RP (H) -X86v1	N/A	CRS-8-PRP-6G
185.0W	0/SM0/*	UNKNOWN	N/A	
185.0W	0/SM1/*	FC-140G/S (H)	N/A	CRS-8-FC140/S
185.0W	0/SM2/*	UNKNOWN	N/A	
185.0W	0/SM3/*	FC-140G/S (H)	N/A	CRS-8-FC140/S
Zone 3:				
390.0W	0/6/*	MSC-B	POWERED UP	CRS-MSC-B
150.0W	0/6/PL0	JACKET CARD	POWERED UP	
7.0W	0/7/*	MSC-140G	UNPOWERED	
75.0W	0/FAN-TR0	FAN TRAY	N/A	CRS-8-LCC-FAN-
75.0W	0/FAN-TR1	FAN TRAY	N/A	CRS-8-LCC-FAN-

RP/0/RP1/CPU0:router(admin)#sh power allotted location 0/6/*

Tue Nov 20 18:52:32.291 OST

nodeid = 0x2a00006f

Zone	Node	Card Type	State	PID
Power Allotted				

Zone 3:				
390.0W	0/6/*	MSC-B	POWERED UP	CRS-MSC-B
150.0W	0/6/PL0	JACKET CARD	POWERED UP	

RP/0/RP1/CPU0:router(admin)#sh power allotted rack 0

Tue Nov 20 18:52:39.935 OST

Zone	Node	Card Type	State	PID
Power Allotted				

Zone 1:				
75.0W	0/FAN-TR0	FAN TRAY	N/A	CRS-8-LCC-FAN-
75.0W	0/FAN-TR1	FAN TRAY	N/A	CRS-8-LCC-FAN-

Zone 2:				
175.0W	0/RP0/*	UNKNOWN	N/A	
175.0W	0/RP1/*	RP (H) -X86v1	N/A	CRS-8-PRP-6G
185.0W	0/SM0/*	UNKNOWN	N/A	
185.0W	0/SM1/*	FC-140G/S (H)	N/A	CRS-8-FC140/S
185.0W	0/SM2/*	UNKNOWN	N/A	
185.0W	0/SM3/*	FC-140G/S (H)	N/A	CRS-8-FC140/S

Zone 3:				
390.0W	0/6/*	MSC-B	POWERED UP	CRS-MSC-B
150.0W	0/6/PL0	JACKET CARD	POWERED UP	
7.0W	0/7/*	MSC-140G	UNPOWERED	
	0/FAN-TR0	FAN TRAY	N/A	CRS-8-LCC-FAN-

```

75.0W
75.0W
0/FAN-TR1
FAN TRAY
N/A
CRS-8-LCC-FAN-

```

```

RP/0/RP1/CPU0:router(admin)#sh power allotted summary
Tue Nov 20 18:52:47.520 OST
Power Allotment Summary:
Location          Power Allotted
-----

```

```

Zone 1:          150.0W
Zone 2:          1090.0W
Zone 3:          697.0W
-----
Total:           1937.0W

```

```

RP/0/RP1/CPU0:router(admin)#sh power capacity rack 0
Tue Nov 20 19:43:30.458 OST

```

```

-----
Rack 0: Cisco CRS Fixed AC Power System
-----

```

Zone	Power Module	State	Zone Power Capacity
Zone 1:	A[0]	NOT PRESENT	2500.0W
	B[0]	OK	
Zone 2:	A[0]	NOT PRESENT	2500.0W
	B[0]	OK	
Zone 3:	A[0]	NOT PRESENT	2500.0W
	B[0]	OK	
Total Rack Power Capacity:			7500.0W

```

RP/0/RP1/CPU0:router(admin)#sh power capacity summary
Tue Nov 20 19:43:39.737 OST
Power Capacity Summary:
Location          Power Capacity
-----

```

```

Zone 1:          2500.0W
Zone 2:          2500.0W
Zone 3:          2500.0W
-----
Total            7500.0W

```

```

RP/0/RP1/CPU0:router(admin)#sh power summary rack 0
Tue Nov 20 19:43:57.865 OST

```

Location	Power Capacity	Power Allotted	Power Available
Rack 0:			
Zone 1:	2500.0W	150.0W	2350.0W
Zone 2:	2500.0W	1090.0W	1410.0W
Zone 3:	2500.0W	697.0W	1803.0W

Asynchronous Syslog Communication

The asynchronous syslog communication feature enables proper ordering of messages testing on each node (LC, RP), non dropping of messages generated from multiple clients on each node (LC, RP) and checking performance, scalability and latency by sending log messages at incremental rates.

This feature enables the following:

- Proper ordering of messages testing on MC min 4+1.
- Non dropping of messages generated from multiple clients on MC min 4+1.
- Syslogd_helper message handling capacity - flood lots of syslog messages using test client (logger), verify if no syslog message is lost (specified rate as per new design).

- 1200/1500 msgs/sec from every node - restart restart/crash syslogd_helper on LCs and RP/correlatord and syslogd on RP.
- Configure the routing protocol ospf. Configure 5k neighbors using sub interfaces. Perform interface flapping to generate log messages and check syslogd_helper performance.
- Enable debug for few heavy processes - sysdb/gsp

Syslog Enhancement

The syslog enhancement feature enables to configure all different combinations of existing options under *service timestamp log datetime* and *service timestamp debug datetime* and check whether log messages have proper stamping by using keywords **year** in both *service timestamp log datetime* and *service timestamp debug datetime* to time stamp year in log message and **severity** in the existing cli *logging <remote-host>*.

This feature enables the following:

- Config and delete **year** option and check whether year is present when configured and deleted.
- Config and delete **year** option and check memory impact.
- Enable the syslog archival feature and look into the impacts.
- Configure multiple remote hosts and check whether they receive log messages with year when the feature is enabled and stop receiving the log messages with year when the feature is disabled.
- Verify year stamping on a MC 4+1.
- Configure remote host to receive log messages of only one **severity** or multiple severities.
- Configure and delete severity for remote hosts and check memory impact.
- Verify remote host severity on a MC 4+1.

Hardware Features Introduced in Cisco IOS XR Software Release 4.3.0 for Cisco CRS Router

The following hardware features were introduced in Cisco IOS XR Software Release 4.3.0 on the Cisco CRS Router:

- 6-port 10-GE Flex PLIM

The Cisco 6-port 10-GE Flex PLIM is supported on the Cisco CRS-3 Router. The 6-port 10-GE Flex PLIM supports the following SPAs:

- 1XOC192
- 4XOC48
- 8x1GE_V2

For new Cisco 6-port 10-GE Flex PLIM on the Cisco CRS-3 Router configuration and command information, refer to the *Cisco IOS XR Interface and Hardware Component Command Reference for*

the *Cisco CRS Router* and the *Cisco IOS XR Interface and Hardware Component Configuration Guide for the Cisco CRS Router*.

For more general hardware information about the new Cisco 6-port 10-GE Flex PLIM on the Cisco CRS-3 Router and the newly supported PoS SPAs: 1XOC192, 4XOC48 and the newly supported 8x1GE_V2 GigE SPA, refer to the *Cisco CRS SIP and SPA Hardware Installation Guide*.

Limitations

The new Cisco 6-port 10-GE Flex PLIM on the Cisco CRS-3 Router requires two power energy modules (PEMs) at A and B in the 8-slot chassis.

The `sh power allotted location` command cannot be executed on the Member-SDR. This command should only be run on the Owner-SDR.

Important Notes on Cisco IOS XR Software and Cisco CRS Router

- **Default timestamp setting**—The timestamp prompt that precedes console output is enabled by default. To disable the timestamp prompt, use the **no service timestamp** command. For more information, refer to the *Cisco IOS XR System Management Command Reference for the Cisco CRS Router*.
- **Country-specific laws, regulations, and licenses**—In certain countries, use of these products may be prohibited and subject to laws, regulations, or licenses, including requirements applicable to the use of the products under telecommunications and other laws and regulations; customers must comply with all such applicable laws in the countries in which they intend to use the products.
- **Card fan controller, and RSP removal**—For all card removal and replacement (including fabric cards, line cards, fan controller, and RSP) follow the instructions provided by Cisco to avoid impact to traffic. See the *Cisco IOS XR Getting Started Guide for the Cisco CRS Router* for procedures.
- **Exceeding Cisco testing**—If you intend to test beyond the combined maximum configuration tested and published by Cisco, contact your Cisco Technical Support representative to discuss how to engineer a large-scale configuration maximum for your purpose.
- **mpls traffic engineering igp-intact** command—This command must be used only when policy based tunnel selection is configured for all tunnels originating on the device. This CLI needs to be turned on under IGP (OSPF/ISIS) under the respective AFI.
- The following TE Path option attribute commands are not supported on the Cisco CRS-1 Series Router:
 - `affinity location nset`
 - `affinity location type`
 - `affinity program`
 - `affinity self`
- **BFD IPv6 UDP Checksum Calculation**—In Cisco IOS XR Software Release 3.9, you turn the BFD IPv6 UDP checksum calculation on and off:
 - To disable the BFD IPv6 UDP checksum calculation:


```
RP/0/RP0/CPU0:router(config)#bfd
```

```
RP/0/RP0/CPU0:router(config-bfd)#ipv6 checksum disable
```

```
RP/0/RP0/CPU0:router(config-bfd)#end
```

- To enable BFD IPv6 UDP checksum calculation:

```
RP/0/RP0/CPU0:router(config)#bfd
```

```
RP/0/RP0/CPU0:router(config-bfd)#no ipv6 checksum disable
```

```
RP/0/RP0/CPU0:router(config-bfd)#end
```

- On upgrading Cisco IOS XR Software from 3.6.2 to 4.0.0 the MAC address assigned to physical interfaces changes. This is required because prior to Cisco IOS XR Software Release 3.8.4 the MAC address assigned to the bundle interface was taken from the first member's MAC address. If this bundle member is removed from the bundle, the bundle gets a new MAC address, which results in traffic loss due to ARP resolution. Beginning in Cisco IOS XR Software Release 3.8.4, a pool of MAC addresses are assigned to the bundle interfaces by the bundlemgr process during bundle interface creation.
- Deactivation of os-mbi dependent (Nonreload) SMU fails—Backing out the non reload os-mbi SMU fails because deactivation runs out of memory (activation did not release some memory, which stayed at 38 MB). This failure to activate or deactivate the SMU due to insufficient SP resources impacts SP cards on CRS.
- When configuring the Label Distribution Protocol (LDP) graceful restart (GR) process in a network with multiple [link and/or targeted] LDP hello adjacencies with the same neighbor, make sure that GR is activated on the session before any hello adjacency times out due to neighbor control plane failures. One way of achieving this is by configuring a lower session hold time between neighbors such that session time out always occurs before hello adjacency can time out. Cisco recommends setting LDP session hold time using the following formula:

$$\text{LDP session hold time} \leq (\text{Hello hold time} - \text{Hello interval}) * 3$$

This means that for default values of 15/5 seconds respectively for the link Hello hold time and the Hello interval, the LDP session hold time should be set to 30 seconds or less.

For more information, refer to the *Implementing MPLS Label Distribution Protocol on Cisco IOS XR Software* section of the *Cisco IOS XR MPLS Configuration Guide for the Cisco CRS Router*.

- For information about upgrading from a Cisco CRS-1 to a Cisco CRS-3 chassis, refer to the *Cisco CRS-1 Carrier Routing System to Cisco CRS-3 Carrier Routing System Upgrade Guide* at the following URL:
http://www.cisco.com/en/US/products/ps5763/prod_installation_guides_list.html
- The following commands have been modified to support Cisco CRS-3 router:
 - **show environment**
 - **hw-module reload**
 - **show controllers egressq client location**
 - **show controllers egressq queue drr [max | min] location** ◇
 - **show controllers egressq queue drr [max | min] location** ◇
 - **show controllers egressq group ntb [max | min] location** ◇
 - **show controllers egressq port bmap location** ◇
 - **show controllers egressq statistics detail location** ◇

◦ **show controllers egressq resources location** <>

For information about these commands, refer to the *Commands* section of the *Cisco CRS-1 Carrier Routing System to Cisco CRS-3 Carrier Routing System Upgrade Guide*:

http://www.cisco.com/en/US/products/ps5763/prod_installation_guides_list.html

- The minimum timer configuration value for the BFD on Bundle Members feature (BoB) increases from 30 to 60 seconds in Cisco IOS XR Software Release 4.2. The timer value can be left as default or modified as follows:
 - **int bundle-(ether|pos) <num>**
 - **bfd address-family ipv4 timers start <30-3600>**
 - **bfd address-family ipv4 timers nbr-unconfig <30-3600>**
- This release supports the following fixed DWDM XFPs with CRS-3 and certain CRS-1 10GE interface modules:
 - DWDM-XFP-30.33
 - DWDM-XFP-60.61
 - DWDM-XFP-50.92
 - DWDM-XFP-50.12
 - DWDM-XFP-31.12
 - DWDM-XFP-31.90
 - DWDM-XFP-32.68
 - DWDM-XFP-34.25
 - DWDM-XFP-35.04
 - DWDM-XFP-35.82
 - DWDM-XFP-36.61
 - DWDM-XFP-38.19
 - DWDM-XFP-38.98
 - DWDM-XFP-39.77
 - DWDM-XFP-40.56
 - DWDM-XFP-42.14
 - DWDM-XFP-42.94
 - DWDM-XFP-43.73
 - DWDM-XFP-44.53
 - DWDM-XFP-46.12
 - DWDM-XFP-46.92
 - DWDM-XFP-47.72

- DWDM-XFP-48.51
- DWDM-XFP-51.72
- DWDM-XFP-52.52
- DWDM-XFP-54.13
- DWDM-XFP-54.94
- DWDM-XFP-55.75
- DWDM-XFP-56.55
- DWDM-XFP-58.17
- DWDM-XFP-58.98
- DWDM-XFP-59.79

- Starting from Cisco IOS XR Software Release 4.0.0, the **hw-module location <LOC> reload warm** command is disabled. As a result, the warm reload feature also has been disabled.

DWDM Configuration Management



Note

This section describes the new DWDM configuration requirements in Cisco IOS XR 3.9.0 and later releases. It does not describe all updates to the DWDM feature. For more information about DWDM configuration, refer to the *Configuring Dense Wavelength Division Multiplexing Controllers on Cisco IOS XR Software* module in the *Cisco IOS XR Interface and Hardware Component Configuration Guide for the Cisco CRS Router*.

Cisco IOS XR Software Release 3.9.0 introduced new commands in addition to an important change to the default laser state for all of the DWDM physical layer interface modules (PLIMs) supported on the Cisco CRS-1 and CRS-3 routers, which impacts the required configuration to support those cards.

This change affects all models of the following hardware on the Cisco CRS-1 router:

- Cisco 1-Port OC-768c/STM-256c DWDM PLIM
- Cisco 4-Port 10-Gigabit Ethernet DWDM PLIM

This change affects all models of the following hardware on the Cisco CRS-3 router:

- Cisco 1-Port 100GE OTU4 IPoDWDM PLIM
- Cisco 4-Port 40-GE OTU3 OTN/LAN PLIM
- Cisco 2-Port 40-GE OTU3 OTN/LAN PLIM

The **g709 fec high-gain** and **g709 fec long-haul** commands are added under DWDM configuration to configure the new high-gain FEC mode and long-haul FEC mode for Cisco 1-Port 100GE OTU4 IPoDWDM PLIM.

The following is an example of configuring the **g709 fec high-gain** command under DWDM configuration to configure the new high-gain FEC mode:

```
RP/0/RP0/CPU0:router# configure
RP/0/RP0/CPU0:router(config)# controller dwdm <>
RP/0/RP0/CPU0:router(config)# g709 fec high-gain
RP/0/RP0/CPU0:router(config)# commit
```

The following is an example of configuring the **g709 fec long-haul** command under DWDM configuration to configure the new long-haul FEC mode:

```
RP/0/RP0/CPU0:router# configure
RP/0/RP0/CPU0:router(config)# g709 fec long-haul
RP/0/RP0/CPU0:router(config)# commit
```

Important DWDM Changes in Cisco IOS XR Software Release 3.9.0 and Later Releases

- The **laser off** and **shutdown (DWDM)** commands are replaced by the **admin-state-out-of-service** command.
- The default state of the laser has changed from "On" to "Off" for all PLIMs. Therefore, the laser for all DWDM controllers must explicitly be turned on using the **admin-state in-service** command in DWDM configuration mode

Configuration Examples in Cisco IOS XR Software Release 3.9.0 and Later Releases

This section provides configuration examples for turning on and off the laser on a DWDM PLIM.

Turning On the Laser: Example



Note

This is a required configuration beginning in Cisco IOS XR Software Release 3.9.0. The DWDM PLIMs will not operate without this configuration.

The following example shows how to turn on the laser and place a DWDM port in In Service (IS) state:

```
RP/0/RP0/CPU0:router# configure
RP/0/RP0/CPU0:router(config)# controller dwdm 0/1/0/1
RP/0/RP0/CPU0:router(config-dwdm)# admin-state in-service
RP/0/RP0/CPU0:router(config-dwdm)# commit
```

Turning Off the Laser: Example

**Note**

This configuration replaces the **laser off** and **shutdown (DWDM)** configuration commands.

The following example shows how to turn off the laser, stop all traffic and place a DWDM port in Out of Service (OOS) state:

```
RP/0/RP0/CPU0:router# configure
RP/0/RP0/CPU0:router(config)# controller dwdm 0/1/0/1
RP/0/RP0/CPU0:router(config-dwdm)# admin-state out-of-service
RP/0/RP0/CPU0:router(config-dwdm)# commit
```

Minimum Flash Disk Requirements When Upgrading to Release 4.3.0

Cisco IOS XR Software Release requires a minimum of 4-GB Flash Disk. This release also provides an upgrade option to 16-GB Flash Disk. 1-GB and 2-GB Flash Disks are no longer supported with this release. For information on End-of-Sale and End-of-Life Announcement for the Cisco CRS-1 PCMCIA Flash Disk 2 GB, refer to: http://www.cisco.com/en/US/prod/collateral/routers/ps5763/end_of_life_notice_c51-681333.html

To upgrade from a 1-GB or 2-GB to a greater Flash Disk, refer to the Flash Disk Upgrade Tasks link on the following Cisco CRS router Installation and Upgrade URL: http://www.cisco.com/en/US/products/ps5763/prod_installation_guides_list.html

For Cisco CRS routers, change to FAT32 in order to partition a 4 GB Flash Disk as a 3.5 GB and 0.5 GB partition. This type of partition is recommended in order to create a partition with more than 2 GB of flash space. Disk partitioning has been supported from Cisco IOS XR Software Release 3.6 onwards. For more information, refer to the *Turbo Boot Appendix* of the *Cisco CRS-1 Carrier Routing System to Cisco CRS-3 Carrier Routing System Migration Guide*.

Additional upgrade instructions for the Cisco CRS router are available from http://www.cisco.com/web/Cisco_IOS_XR_Software/pdf/ReplacingPCMCIACardOnCRS-1.pdf.

Caveats

Caveats describe unexpected behavior in Cisco IOS XR Software releases. Severity-1 caveats are the most serious caveats; severity-2 caveats are less serious.

This section contains caveats that are generic to the Cisco IOS XR Software Release 4.3.0 and those specific to the Cisco CRS-1 router and the Cisco CRS-3 router.

Cisco IOS XR Caveats

The following open caveats apply to Cisco IOS XR Software Release and are not platform specific:

- **CSCug59485**

Basic Description:

Packets are sent even if the LPTS rates are set to 0 for some policers.

Symptom

Packets are sent even if the LPTS rates are set to 0 for some policers.

Conditions:

LPTS policing is configured.

Workaround:

None.

• **CSCts29931**

Basic Description:

Modifying the default-MDT in single commit drops traffic.

Symptom

If the default MDT for a VRF is changed and committed by using the **mdt default ipv4 group** command, forwarding over MDT may be impacted.

Conditions:

The default MDT has to be changed to a new group in a single commit (i.e., without deleting and re-adding).

Workaround:

Perform the following:

- 1 Execute the **no mdt default ipv4 old-group** command and commit.
- 2 Configure the new default MDT and commit.

Recovery:

Restarting the PIM or PIM6 will recover the issue.

• **CSCud48700**

Basic Description:

Reverting to Cisco IOS XR Software R4.3.0.35i from R4.3.0.36i fails.

Symptom

Install operation or periodic backup fails.

Conditions:

This behavior is inconsistent.

Workaround:

Run the **cfs check** command to clear this inconsistency and proceed with install operation.

Recovery:

None.

• **CSCuc30287**

Basic Description:

Wrong configuration of sat-ether port with deleting satellite and changing MTU.

Symptom

When partial configuration is committed for a particular combination of configuration commit, the remaining configuration does not get committed.

Conditions:

Delete satellite-fabric-link configuration from an inter chassis link and simultaneously modify satellite interface attributes like MTU in the single configuration commit operation.

Workaround:

Split the commits for this operation. Modify sat-ether attributes and commit followed by removal of inter chassis link configuration.

Caveats Specific to the Cisco CRS Router

The following open caveats are specific to the Cisco CRS platform:

- **CSCub92404**

Basic Description:

Traffic performance declines for small size packets.

Symptom

Packet drops occur with full capacity line rate traffic in the flex-path (40G) for small packet sizes.

Conditions:

Packet drops are observed in the flex-path for small size packets when the L3 packet size varies from 46 bytes to 86 bytes when full capacity traffic is passed in the flex-path (40G).

Workaround:

Avoid small size packets.

Caveats Specific to the Cisco CRS-3 Router

There are no open caveats that are specific to the Cisco CRS-3 platform:

Upgrading Cisco IOS XR Software

Cisco IOS XR Software is installed and activated from modular packages, allowing specific features or software patches to be installed, upgraded, or downgraded without affecting unrelated processes. Software packages can be upgraded or downgraded on all supported card types, or on a single card (node).

Software packages are installed from package installation envelope (PIE) files that contain one or more software components.

The following URL contains links to information about how to upgrade Cisco IOS XR Software:

http://www.cisco.com/web/Cisco_IOS_XR_Software/index.html

Migrating Cisco CRS-1 to CRS-3

For information about migrating from a Cisco CRS-1 to a Cisco CRS-3 chassis, refer to the *Cisco CRS-1 Carrier Routing System to Cisco CRS-3 Carrier Routing System Migration Guide* at the URL http://www.cisco.com/en/US/products/ps5763/prod_installation_guides_list.html

Troubleshooting

For information on troubleshooting Cisco IOS XR Software, see the *Cisco IOS XR Troubleshooting Guide for the Cisco CRS router* and the *Cisco IOS XR Getting Started Guide for the Cisco CRS router*

Related Documentation

The most current Cisco CRS router hardware documentation is located at the following URL:

http://www.cisco.com/en/US/products/ps5763/tsd_products_support_series_home.html

The Cisco IOS XR Software documentation set includes the Cisco IOS XR software configuration guides and command references, as well as a getting started guide.

The most current Cisco CRS router software documentation is located at the following URL:

http://www.cisco.com/en/US/products/ps5763/tsd_products_support_series_home.html

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

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