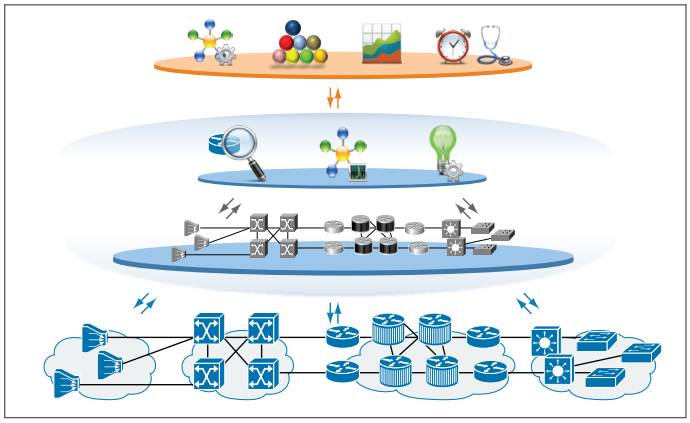
Cisco ANA 3.7.2 Performance & Scalability information



Cisco ANA Overview

Cisco® Active Network Abstraction (ANA) provides service providers and other carrier-grade network operators with a comprehensive solution for network element and service management. Cisco ANA includes discovery, monitoring, event de-duplication, and root-cause analysis. Cisco ANA supports all major Cisco service provider network elements, as well as a wide variety of network technologies including Multiprotocol Label Switching (MPLS), Carrier Ethernet, and Cisco Unified Radio Access Network (RAN) Backhaul reference architectures. This paper provides at a glance the performance and scaling information for ANA 3.7.2. More detailed information can be obtained by contacting ask_ana_pm@cisco.com.

Cisco ANA 3.7.2 Performance and Scale Statistics at a Glance

Item Description	Release 3.7.2 Scalability Numbers
Concurrent users sessions	150
Event vision sessions	20
Northbound interface (NBI) sessions	70
Maximum number of devices (virtual network elements [VNEs]) per map	4000
Maximum number of active links per map	16,000
Maximum number of active tickets per map	3500
Maximum events per hour (burst rate)	50,000
Open tickets in database	40,000
Events per device (VNE) per second	25
Correlated traps and/or syslogs per second	210
Raw traps and/or syslogs per second	1100
Single segment pseudowires – Medium aggregation network	150,000
Maximum number of devices – Carrier Ethernet network	3200
Maximum number of devices – IP RAN network	7000
Maximum number of devices – MPLS network	15,000
Maximum number of devices – Element management systems (EMSs) only	36,000

Note: To achieve the scalability numbers given above, please contact your Cisco representative for the required hardware specifications. Scalability numbers are subject to increase with new releases; please check the Cisco ANA web page to get the latest information.

Cisco ANA 3.7.2 Performance and Scale Statistics at a Glance
Scale Numbers by Network Technology

Network Technology Component	EMS	MPLS	Carrier Ethernet	IP RAN
Maximum number of devices (VNEs)	36,000	15,000	3200	7000
Virtual Routing and Forwarding (VRF)	—	50,000	—	—
Pseudowires	—	5000	29,000	40,000
Traffic engineering (TE) tunnels	—	2700	—	3000
VPNs	—	2500	—	54
Sites	—	100,000	—	—
Ethernet Virtual Connections (EVCs)	—	—	37,000	—
Virtual forwarding instances (VFIs)	—	—	18,000	—
Virtual Private LAN Service (VPLS) domains	—	—	6000	—
Service provider VLANs (S-VLANs)	—	—	60,000	1100
User network interfaces (UNIs)	—	—	40,000	—
Switching entities	—	—	250,000	—
E-LINE services	—	—	—	12,000

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