

## Cisco IOS Software Release 12.2(33)SX11 introduces Virtual Switching System Capabilities in IOS IP Base Images

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Cisco® announces availability of Cisco IOS® Software Release 12.2(33)SX11 for the Cisco Catalyst® 6500 Series which introduces Virtual Switching System capabilities in Cisco IOS IP Base. Prior to 12.2(33)SX11, customers who purchased the VS bundles had to upgrade to IP Services in order to enable the VSS 1440 mode. Given the tremendous success that Virtual Switching has experienced in the marketplace since its introduction in early 2008, Cisco will now offer this innovative technology pervasively on all IOS packages IP Base and above, supported with the Cisco Catalyst 6500 Series Virtual Switching Supervisor Engine 720 with 10 GE uplinks.

### Upgrade Paths

Customers running Release 12.2(33)SXH or 12.2(33)SXI in either Cisco IOS Software or Cisco IOS Software with Modularity can upgrade to Release 12.2(33)SX11 of either Cisco IOS Software or Cisco IOS Software with Modularity.

The Cisco Catalyst 6500 VSS 1440 is supported only on the Cisco Catalyst 6500 Series Virtual Switching Supervisor Engine 720 with 10 Gigabit Ethernet uplinks and not supported on Cisco Catalyst 6500/Cisco 7600 Series Supervisor Engine 720, Cisco Catalyst 6500/Cisco 7600 Series Supervisor Engine 720-3B, or Cisco Catalyst 6500/Cisco 7600 Series Supervisor Engine 32.

Customers planning to upgrade or purchase a new software image license on a Supervisor Engine, should order the 6500-SW-SPARECD part number and configure the image of choice onto it.

For further details about ordering 6500-SW-SPARECD, visit:

[http://www.cisco.com/en/US/prod/collateral/switches/ps5718/ps708/prod\\_bulletin0900aecd806780a3.html](http://www.cisco.com/en/US/prod/collateral/switches/ps5718/ps708/prod_bulletin0900aecd806780a3.html)

### Availability of Cisco Catalyst 6500 VSS 1440

The Cisco Catalyst 6500 Series Virtual Switching Supervisor Engine 720 with 10 Gigabit Ethernet uplinks and the minimum required software (Cisco IOS Software Release 12.2(33)SXH1) for the Cisco Catalyst 6500 VSS 1440 are available today.

### Ordering Information for Cisco Catalyst 6500 VSS 1440

There are two ways to order the Cisco Catalyst 6500 VSS 1440.

**Option A:** Order the supervisor engine using the following product IDs:

- VS-S720-10G-3C
- VS-S720-10G-3CXL

You can order these as standalone or configure them in a chassis. Note that these product IDs include Cisco IOS® Software IP Services image at no additional cost and support the VSS 1440 mode when configured with a single supervisor in each chassis.

**Option B:** Order the supervisor engine, as part of a bundle, using the following product IDs:

- VS-C6504E-S720-10G

- VS-C6506E-S720-10G
- VS-C6509E-S720-10G
- VS-C6509VE-S720-10G
- VS-C6513-S720-10G

Cisco has created these bundle options to support Layer 2 environments with VS-S720-10G-3C\*. Note that these product IDs include Cisco IOS® Software IP Base image at no additional cost and support the VSS 1440 mode when configured with a single supervisor in each chassis\*\*.

Furthermore, these bundles can be upgraded to support Cisco IOS® Software IP Services image or above with the purchase of a redundant supervisor. However, once a redundant supervisor is added, the system can only operate in a non-VSS mode.

To place an order, visit the [Cisco Ordering homepage](#). To download software, visit the [Cisco Software Center](#).

Table 1 shows ordering information for Virtual Switching System 1440.

**Table 1.** Ordering Information

Part Number	Product Name
VS-S720-10G-3C	Cisco Catalyst 6500 Series Virtual Switching Supervisor Engine 720 with two 10 Gigabit Ethernet ports and MSFC3 PFC3C
VS-S720-10G-3CXL	Cisco Catalyst 6500 Series Virtual Switching Supervisor Engine 720 with two 10 Gigabit Ethernet ports and MSFC3 PFC3C XL
WS-F6700-DFC3C	Cisco Catalyst 6500 Series Distributed Forwarding Card 3C for WS-X67xx modules
WS-F6700-DFC3CXL	Cisco Catalyst 6500 Series Distributed Forwarding Card 3CXL for WS-X67xx modules
VS-C6504E-S720-10G	Catalyst Chassis+Fan Tray+Sup720-10G; IP Base ONLY incl. VSS
VS-C6506E-S720-10G	Catalyst Chassis+Fan Tray+Sup720-10G; IP Base ONLY incl. VSS
VS-C6509E-S720-10G	Catalyst Chassis+Fan Tray+Sup720-10G; IP Base ONLY incl. VSS
VS-C6509VE-S72010G	Catalyst Chassis+Fan Tray+Sup720-10G; IP Base ONLY incl. VSS
VS-C6513-S720-10G	Catalyst Chassis+Fan Tray+Sup720-10G; IP Base ONLY incl. VSS
SV33IS-12233SXH and later	Cisco CAT6000-VSS720 IOS IP SERVICES
SV33ISM-12233SXH and later	Cisco CAT6000-VSS720 IOS IP SERVICES (MODULAR)
SV33ISK9-12233SXH and later	Cisco CAT6000-VSS720 IOS IP SERVICES SSH - Default
SV33ISK9M-12233SXH and later	Cisco CAT6000-VSS720 IOS IP SERVICES SSH (MODULAR) - DEFAULT
SV33AIK9L-12233SXH and later	Cisco CAT6000-VSS720 IOS ADV IP SERV SSH LAN ONLY
SV33AIK9N-12233SXH and later	Cisco CAT6000-VSS720 IOS ADV IP SERV SSH LAN ONLY (MODULAR)
SV33AIK9-12233SXH and later	Cisco CAT6000-VSS720 IOS ADVANCED IP SERVICES SSH
SV33AIK9M-12233SXH and later	Cisco CAT6000-VSS720 IOS ADVANCED IP SERVICES SSH (MODULAR)
SV33AEK9L-12233SXH and later	Cisco CAT6000-VSS720 IOS ADV ENT SERV SSH LAN ONLY
SV33AEK9N-12233SXH and later	Cisco CAT6000-VSS720 IOS ADV ENT SERV SSH LAN ONLY (MODULAR)
SV33AEK9-12233SXH and later	Cisco CAT6000-VSS720 IOS ADVANCED ENTERPRISE SERVICES SSH
SV33AEK9M-12233SXH and later	Cisco CAT6000-VSS720 IOS ADVANCED ENT SERVICES SSH (MODULAR)

\* VS-S720-10G-3CXL not available with the bundles

\*\* VSS 1440 mode supported in IP Base starting with 12.2(33)SX11

## For More Information

For more information about the Cisco Catalyst 6500 Virtual Switching System 1440, visit <http://www.cisco.com/go/vss>.

For information about the Cisco Catalyst 6500 Series, visit <http://www.cisco.com/en/US/products/hw/switches/ps708/index.html>.



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