

# Cisco Software Release 6.3(1) on the Cisco Catalyst 6500 Series



## Software Release 6.3.1 Hardware Features

Hardware Features	Hardware/Software Dependencies
None	

## Other Hardware Supported

The system software version 6.3.1 supports all cards already previously supported by the Cisco Catalyst operating system on the Cisco Catalyst 6500 Series Supervisor Engines.

## Software Features

The following software features all require Cisco Catalyst operating system Supervisor Software version 6.3(1).

Software Feature	Description	6K Feature	5K Feature
Single Router Mode (SRM) Redundancy	SRM Redundancy is an alternative to having both Multilayer Switch Feature Cards in a chassis active at the same time. SRM requires MSFC IOS Release 12.1(8a)E2.	X	
EtherChannel Enhancements	Prior to release 6.3.1, if you have a 2-port channel and one link is removed, the remaining link is removed and added back to Spanning Tree. This enhancement allows the remaining link to remain in the EtherChannel. Otherwise, there could be a connection loss on the channel until the link is forwarding again.	X	
Private VLANs on SC0	This feature allows the SC0 management interface to be assigned to a Private VLAN.	X	
NetFlow version 8	Support for NetFlow version 8.	X	
Cisco Discovery Protocol (CDP) version 2.0 enhancements	This feature adds several enhancements to CDPv2, including the addition of TLVs such as sysName, sysObjectID, management address and physical location. It also supports a new device ID format called the mac-address format. It also displays changes corresponding to some parameters such as device ID for the <b>show cdp</b> command.	X	X
Increase Quality of Service (QoS) Access Control Lists (ACLs)	The maximum number of QoS ACLs that can be stored in NVRAM has been increased from 250 to 500.	X	



Software Feature	Description	6K Feature	5K Feature
Ethernet Link Debounce timer feature	The debounce timer is the time a module's firmware waits before notifying the Supervisor Engine of a link change at the physical layer when a link goes down. This feature allows a user to enable an Ethernet Link Debounce timer on a per-port basis on Ethernet blades.	X	
Autostate Enhancements	Ensures that a VLAN interface will not transition to up state until at least one port in the VLAN is forwarding traffic.	X	X
Simple Network Management Protocol (SNMP) version 3 Enhancements	Implements RFC 2571 through RFC 2576.	X	X
Display SNMPv3 Counters	Enables the user to use the command line interface to display SNMPv3 counters for various MIBs.	X	X
Support for various MIBs	<ul style="list-style-type: none"> <li>CISCO-AAA-CLIENT-MIB (C5K, C6K)</li> <li>CISCO-CATOS-ACL-QOS-MIB (C6K)</li> <li>CISCO-CAT6K-CROSSBAR-MIB (C6K)</li> <li>CISCO-STP-EXTENSION-MIB (C5K, C6K)</li> <li>CISCO-SWITCH-ENGINE-MIB (C6K)</li> <li>CISCO-SYSTEM-MIB enhancement (C5K, C6K)</li> </ul>	X	

### Orderable Software Images

The following table lists the software versions and applicable ordering information for the Cisco Catalyst 6000 and Catalyst 5000 Series Supervisor Engine software.

**Note: Caution:** Always back up the switch configuration file before upgrading or downgrading the switch software to avoid losing all or part of the configuration stored in NVRAM. When downgrading switch software, you will lose your configuration. Use the **write network** command or the **copy config tftp** command to back up your configuration to a Trivial File Transfer Protocol (TFTP) server. Use the **copy config flash** command to back up the configuration to a Flash device.

Orderable Product Number	Description	Image
SC5K-SUP3-6.3.1	Catalyst 5K Supervisor 3, Flash Image, Release 6.3.1	cat5000-sup3
SC5K-SUP3-6.3.1=	Spare	
SC5K-SUP3CV-6.3.1	Cat5K Supervisor 3, Flash Image w/CiscoView, Release 6.3.1	cat5000-sup3cv
SC5K-SUP3CV-6.3.1=	Spare	
SC5K-SUPG-6.3.1	Catalyst 5K Supervisor 3G, Flash Image, Release 6.3.1	cat5000-supg
SC5K-SUPG-6.3.1=	Spare	
SC5K-SUP3K9-6.3.1	Catalyst 5K Supervisor 3, Flash Image, w/SSH, Release 6.3.1	cat5000-sup3k9
SC5K-SUP3K9-6.3.1=	Spare	

Orderable Product Number	Description	Image
SC5K-GEM-6.3.1	Catalyst 5K Gigabit Etherchannel Module Flash Image, Release 6.3.1	cat5000-gem
SC5K-GEM-6.3.1=	Spare	
SC5K-SUPGK9-6.3.1	Catalyst 5K Supervisor 3G, Flash Image w/SSH, Release 6.3.1	cat5000-supgk9
SC5K-SUPGK9-6.3.1=	Spare	
SC5K-S3CVK9-6.3.1	Catalyst 5K Supervisor 3, Flash Image w/CiscoView & SSH, Release 6.3.1	cat5000-sup3cvk9
SC5K-S3CVK9-6.3.1=	Spare	
SC6K-SUP-6.3.1	Catalyst 6000 Supervisor 1 Flash Image, Release 6.3.1	cat6000-sup
SC6K-SUP-6.3.1=	Spare	
SC6K-SUP2-6.3.1	Catalyst 6000 Supervisor 2 Flash Image, Release 6.3.1	cat6000-sup2
SC6K-SUP2-6.3.1=	Spare	
SC6K-SUPCV-6.3.1	Cat6K Supervisor 1 Flash Image w/CiscoView, Release 6.3.1	cat6000-supcv
SC6K-SUPCV-6.3.1=	Spare	
SC6K-SUP2CV-6.3.1	Cat6K Supervisor 2 Flash Image w/CiscoView, Release 6.3.1	cat6000-sup2cv
SC6K-SUP2CV-6.3.1=	Spare	
SC6K-SUPK9-6.3.1	Catalyst 6000 Supervisor 1 Flash Image w/SSH, Release 6.3.1	cat6000-supk9
SC6K-SUPK9-6.3.1=	Spare	
SC6K-SUP2K9-6.3.1	Catalyst 6000 Supervisor 2 Flash Image w/SSH, Release 6.3.1	cat6000-sup2k9
SC6K-SUP2K9-6.3.1=	Spare	
SC6K-SCVK9-6.3.1	Catalyst 6000 Supervisor 1 Flash Image w/CiscoView & SSH, Release 6.3.1	cat6000-supcvk9
SC6K-SCVK9-6.3.1=	Spare	
SC6K-S2CVK9-6.3.1	Catalyst 6000 Supervisor 2 Flash Image w/CiscoView & SSH, Release 6.3.1	cat6000-sup2cvk9
SC6K-S2CVK9-6.3.1=	Spare	

For more detailed information about this software release, refer to the **Cisco Catalyst 6500 Series release notes**. Also, review the Catalyst 6500 Series documentation at: <http://www.cisco.com/warp/public/cc/pd/si/casi/ca6000/index.shtml>



**Corporate Headquarters**

Cisco Systems, Inc.  
170 West Tasman Drive  
San Jose, CA 95134-1706  
USA  
www.cisco.com  
Tel: 408 526-4000  
800 553-NETS (6387)  
Fax: 408 526-4100

**European Headquarters**

Cisco Systems Europe  
11, Rue Camille Desmoulins  
92782 Issy Les Moulineaux Cedex 9  
France  
www.cisco.com  
Tel: 33 1 58 04 60 00  
Fax: 33 1 58 04 61 00

**Americas Headquarters**

Cisco Systems, Inc.  
170 West Tasman Drive  
San Jose, CA 95134-1706  
USA  
www.cisco.com  
Tel: 408 526-7660  
Fax: 408 527-0883

**Asia Pacific Headquarters**

Cisco Systems Australia, Pty., Ltd  
Level 17, 99 Walker Street  
North Sydney  
NSW 2059 Australia  
www.cisco.com  
Tel: +61 2 8448 7100  
Fax: +61 2 9957 4350

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