

Cisco CatOS vs. IOS

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Which one?

Cisco announced the EOL for CatOS

- Version 8.x to be the last
 - End of SW Maintenance Release – 2009
 - End of Support - 2013
- Hardware
 - IOS requires an MSFC
- Features
 - The two software models are not at feature parity – but will be soon

Switch Configuration

□ CatOS

- Configuration changes in the Cat OS software are written to NVRAM immediately after a change is made—no intervention by the user is required.
- All configurations in CatOS are done via a “set” command sequence, executed from the enabled-mode prompt.
- The clear command from the same prompt will erase a particular command.

Switch Configuration

□ IOS

- In contrast, IOS does not save configuration changes to NVRAM unless the copy run start (or write memory) command is executed. If the configuration is not explicitly saved, any changes to the configuration will be lost should the system be reloaded.
- All command line configuration in IOS (whether on the Supervisor or the MSFC) is done from the configuration mode, commonly known as "config-t".
- Commands can be removed with the *no* or *default* form of the original command.

Common Commands – user port

□ CatOS

```
set port name 8/1 <bldg room>  
set vlan 8 8/1
```

To configure multiple ports

```
set port auxvlan 5/1-48 701
```

□ IOS

```
Conf t  
interface faste8/1  
description <bldg room>  
switchport access vlan 8  
exit  
write mem
```

To configure multiple ports

```
interface range faste5/1-48  
switchport voice vlan 701
```

Common Commands – trunk port

□ CatOS

set port name 8/1 <switch a 1/2>

set trunk 8/1 on isl

clear trunk 8/1 <unwanted vlans>

Set port jumbo 8/1

set port qos 8/1 trust trust-cos

To add another vlan to the trunk

set trunk 8/1 <vlan>

□ IOS

Conf t

Interface gig8/1

description <switch a 1/2>

switchport mode trunk

switchport trunk encapsulation isl

switchport trunk allowed vlan
1,2,25,700,1002-1005

mtu 9216

mls qos trust cos

To add another vlan to the trunk

switchport trunk allowed vlan add <vlan>

exit

write mem

CatOS and IOS Software Command Reference

CatOS Command	IOS Command
set vlan <vlan id> port	1) switchport 2) switchport mode access 3) switchport access vlan <>
set port disable	shutdown (interface mode)
set port duplex	duplex
set port speed	speed
set port jumbo	mtu 9216
set spantree portfast	spanning-tree portfast
set qos enable	mls qos
set port channel	channel-group <group> mode (interface mode)
set trunk (default mode is auto)	switchport mode trunk (vlan database command)

CatOS and IOS Software Command Reference (part2)

CatOS Command	IOS Command
show cam dynamic	show mac-address-table dynamic
show channel info or show port channel	show etherchannel summary
show mac	show interface counters [errors trunk]
show port <slot/port>	show interface <type slot/port> status
	show run interface <type slot/port>
show logging buffer	show log
show modules	show modules
show version	show version
show environment power	show power
show port inline power	show power inline
show environment [temp cooling]	show environment [temp cooling]

CatOS and IOS Software Command Reference (part 3)

CatOS Command	IOS Command
reset system	reload
set system name	hostname
set boot system flash	boot system flash
show config	show run