

# Cisco Switch Show Commands - Cheat Sheet

## 1. Device / System Information

### show version

```
Cisco IOS Software, C2960X Software (C2960X-UNIVERSALK9-M), Version 15.2(6)E1
System returned to ROM by power-on
Switch uptime is 2 weeks, 3 days, 4 hours
System image file is "flash:c2960x-universalk9-mz.152-6.E1.bin"
Model number: WS-C2960X-48FPS-L
```

## 2. Interfaces

### show ip interface brief

Interface	IP-Address	OK?	Method	Status	Protocol
FastEthernet0/1	unassigned	YES	unset	administratively down	down
FastEthernet0/2	192.168.1.2	YES	manual	up	up
Vlan1	192.168.1.1	YES	manual	up	up

### show interface status

Port	Name	Status	Vlan	Duplex	Speed	Type
Fa0/1		connected	10	a-full	a-100	10/100BaseTX
Fa0/2		notconnect	1	auto	auto	10/100BaseTX

## 3. VLANs and Trunking

### show vlan brief

VLAN	Name	Status	Ports
1	default	active	Fa0/1, Fa0/2, Fa0/3
10	SALES	active	Fa0/4, Fa0/5
20	HR	active	Fa0/6, Fa0/7

### show interfaces trunk

Port	Mode	Encapsulation	Status	Native vlan
Fa0/24	on	802.1q	trunking	1

Port	Vlans allowed on trunk
Fa0/24	1-4094

Port	Vlans allowed and active in management domain
Fa0/24	1,10,20

## 4. MAC Address Table

### show mac address-table

Mac Address Table			
Vlan	Mac Address	Type	Ports
10	0011.2233.4455	DYNAMIC	Fa0/4
20	00aa.bbcc.ddee	DYNAMIC	Fa0/6

## 5. Spanning Tree

### show spanning-tree

```

VLAN0001
  Spanning tree enabled protocol ieee
    Root ID      Priority    32769
              Address      0011.2233.4455
              Cost        19
              Port        1 (FastEthernet0/1)
    Bridge ID    Priority    32769 (priority 32768 sys-id-ext 1)
              Address      00aa.bbcc.ddee

```

## 6. CDP / Neighbors

### show cdp neighbors

Device ID	Local Intf	Holdtme	Capability	Platform	Port ID
R1	Fas 0/1	123	R S I	2911	Fas 0/0

## 7. ARP Table

### show arp

Protocol	Address	Age	Hardware Addr	Type	Interface
Internet	192.168.1.1	5	0011.2233.4455	ARPA	Vlan1
Internet	192.168.1.10	0	00aa.bbcc.ddee	ARPA	Vlan1

## 8. Logging & Config

### show running-config

```

Building configuration...

Current configuration : 1256 bytes
!
version 15.2
hostname Switch1
!
interface Vlan1
 ip address 192.168.1.1 255.255.255.0
 no shutdown
!
interface FastEthernet0/1
 switchport access vlan 10
 switchport mode access

```

## 9. Port Security

### show port-security

Secure Port	MaxSecureAddr	CurrentAddr	SecurityViolation	Security Action
Fa0/1	1	1	0	Shutdown

## 10. Power (PoE Switches)

### show power inline

Interface	Admin	Oper	Power (Watts)	Device
Fa0/1	auto	on	7.0	IP Phone 7960
Fa0/2	auto	off	0.0	n/a