

# Cheatsheet Huawei/Cisco Commands

## Basic

### Huawei VRP 5

```
system-view
reboot
save
display logbuffer
display version
display diagnostic-information
display current-configuration
display saved-configuration
display cpu-usage
display memory-usage
display temperature all
display history-command
display ntp-service status
reset counters
reset saved-configuration
debugging / undo debugging
tracert
display lldp neighbor brief
display cdp neighbor brief
display eth-trunk
schedule reboot delay X
display schedule reboot
kill user-interface vty
return
quit
undo http server enable
undo http secure-server enable
lldp enable
info-center loghost x.x.x.x
header login information «X»
header shell information «X»
rsa local-key-pair create
dns resolve
dns domain X
dns server X
sysname X
ntp-service unicast-server X
ntp-service refclock-master X
scp server enable
snmp-agent community read cipher X
snmp-agent community write cipher X
display snmp-agent statistics
local-user X password cipher X (in AAA)
aaa
user-interface vty 0 4
protocol inbound ssh (VTY view)
dhcp enable
dhcp relay server-ip X (interface view)
undo shutdown (interface view)
display bfd session all verbose
startup system-software X.cc
auto speed (interface view)
auto duplex (interface view)
jumbo enable X (interface view)
lldp enable
```

### Cisco IOS

```
configure terminal
reload
copy running-config startup-config
show logging
show version
show tech-support
show running-config
show startup-config
show processes cpu
show processes memory
show environment temperature
show history
show ntp status
clear counters
write erase
debug / no debug
traceroute
show lldp neighbors
show cdp neighbors
show etherchannel summary
reload in X
show reload
clear line vty
end
exit
no ip http server
no ip http secure-server
lldp run
logging x.x.x.x
banner login «X»
banner exec «X»
crypto key generate rsa
ip domain-lookup
ip domain-name X
ip name-server X
hostname X
ntp server X
ntp master X
ip scp server enable
snmp-server community X RO
snmp-server community X RW
show snmp
username X password X
aaa new-model
line vty 0 14
transport input ssh (VTY view)
service dhcp
ip helper-address X (interface view)
no shutdown (interface view)
show bfd session detail
boot system flash:X.bin
speed auto (interface view)
duplex auto (interface view)
system mtu jumbo X
udld enable
```

## Routing

### Huawei VRP 5

```
display ip interface brief
display ipv6 interface brief
display ip routing-table
display ipv6 routing-table
display arp
display ospf brief
display ospf peer
display ospf interface
reset ospf
display acl all
ip route-static X
reset arp dynamic
display route-policy
display bgp peer
reset bgp all
display ip routing-table protocol bgp
display vrrp brief
display vrrp statistics
display isis peer
display pim neighbor
display pim interface
display igmp interface
display nqa history
display nqa results
ip vpn-instance X
ip binding vpn-instance X
ip route-static vpn-instance X
display ip routing-table vpn-instance X
display ip ip-prefix
acl name X basic
acl name X advance
step X (within ACL)
traffic classifier X
traffic policy X
traffic-policy X inbound
ipv6 nd ra halt (interface view)
multicast routing-enable
```

### Cisco IOS

```
show ip interface brief
show ipv6 interface brief
show ip route
show ipv6 route
show arp
show ip ospf summary
show ip ospf neighbor
show ip ospf interface
clear ip ops process
show ip access-lists
ip route X
clear arp dynamic
show route-map
clear route *
show ip bgp neighbors
clear ip bgp
show ip route bgp
show vrrp brief
show vrrp statistics
show isis neighbors
show ip pim neighbor
show ip pim interface
show ip igmp interface
show ip sla history
show ip sla statistics
ip vrf X
ip vrf forwarding X
ip route vrf X
show ip route vrf X
show ip prefix-list detail
ip access-list standard X
ip access-list extended X
ip access-list resequence X
class-map X
policy-map X
service-policy input X
ipv6 nd suppress-ra (interface view)
ip multicast-routing
```

## Switching

### Huawei VRP 5

```
display vlan
display mac-address
display stp
display stp region-configuration
display stp interface X
display stp bridge root
display interface description
display port vlan
display poe power
poe enable (interface view)
stp mode mstp
stp mode rstp
stp edged-port enable
stp edged-port enable
port negotiation disable
undo portswitch
stp bpdu-protection
stp bpdu filter enable
stp loop-protection
stp root-protection
dhcp snooping trusted
port link-type access
port default vlan X
port link-type trunk
port trunk allow-pass vlan all
port trunk pvid vlan X
port link-type dot1q-tunnel
voice-vlan X enable (interface view)
virtual-cable-test (interface view)
display counters error
display port-mirroring
storm-control action error-down
display storm-control
vlan batch X to Y
igmp-snooping enable
dot1x
```

### Cisco IOS

```
show vlan
show mac address-table
show spanning-tree
show spanning-tree mst configuration
show spanning-tree mst interface X
show spanning-tree root
show interface status
show interfaces trunk
show power inline
power inline auto (interface view)
spanning-tree mode mst
spanning-tree mode rapid-pvst
spanning-tree portfast
spanning-tree portfast trunk
switchport nonegotiate
no switchport
spanning-tree bpduguard enable
spanning-tree bpdufilter enable
spanning-tree guard loop
spanning-tree guard root
ip dhcp snooping trust
switchport mode access
switchport access vlan X
switchport mode trunk
switchport trunk allowed vlan all
switchport trunk native vlan X
switchport mode dot1q-tunnel
switchport voice vlan X (interface view)
test cable-diagnostics tdr interface X
show interface counters errors
show monitor session all
storm-control action shutdown
show storm-control
vlan X-Y
ip igmp snooping
dot1x system-auth-control
```