

# Troubleshoot Quick Reference Command List for TAC Assistance

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## Introduction

This document describes the generic set of commands to collect from Cisco IOS® XR routers at the time of/after an issue for TAC cases.

## Usage

The command list can be pasted to the router CLI exactly as listed without any changes. Certain commands can error out if the features that correspond are not implemented. This is an expected outcome and does not cause any issues.

This entire list can be copied/pasted into your router. Simply enable logging on your **ssh/telnet** client to capture.

## ASR9K - Classic

```
term length 0
show platform
admin show platform
show install active summary
show version
show hw-module fpd location all
show diag
show logging
show install log
show running
admin show running
show configuration failed
show configuration commit changes all
show configuration history
show configuration failed startup
show history
show cli history detail
admin show environment
admin show led
```

```
show pfm location all
show processes
show processes cpu
show processes blocked location all
show watchdog memory-state
show context location all
show controllers np counters all
show drops
show redundancy
show redundancy summary
show snmp mib access
show snmp interface
show interfaces description
show ospf neighbor
show bgp sessions
show bgp summary
show rib update-groups
show tcp brief
show l2vpn xconnect
show mpls traffic-eng tunnels
show bfd session
show virtual-service list
```

## **ASR9K - eXR**

```
term length 0
show platform
show install active summary
show version
show hw-module fpd
show diag
show logging
show install log
show running
admin show running
show configuration failed
show configuration commit changes all
show configuration history
show configuration failed startup
show history
show cli history detail
admin show environment
admin show led
show pfm location all
show processes
show processes cpu
show processes blocked location all
show watchdog memory-state
show context location all
show controllers np counters all
show drops
show redundancy
show redundancy summary
show snmp mib access
show snmp interface
show interfaces description
show ospf neighbor
```

```
show bgp sessions
show bgp summary
show rib update-groups
show tcp brief
show l2vpn xconnect
show mpls traffic-eng tunnels
show bfd session
```

## **NCSxxxx Platforms, and Whitebox**

This is for all NCS platforms, for example, but not limited to NCS6K, NCS5K, NCS55xx, NCS540, and NCS560.

```
term length 0
show platform
admin show platform
show inventory
show install active summary
show version
show hw-module fpd
show diag
show logging
show install log
show running
admin show running
show configuration failed
show configuration commit changes all
show configuration history
show configuration failed startup
show history
show cli history detail
show environment
admin show environment
show led
admin show led
show alarms brief system active
show asic-errors all detail location 0/RP0/CPU0
show asic-errors all detail location 0/0/CPU0
show processes
show processes cpu
show processes blocked location all
show watchdog memory-state
show context location all
show redundancy
show redundancy summary
show snmp mib access
show snmp interface
show interfaces description
show ospf neighbor
show bgp sessions
show bgp summary
show rib update-groups
show tcp brief
show l2vpn xconnect
show mpls traffic-eng tunnels
show bfd session
```

# CRS

```
term length 0
show platform
admin show platform
show install active summary
show version
show hw-module fpd location all
show diag
show logging
show install log
show running
admin show running
show configuration failed
show configuration commit changes all
show configuration history
show configuration failed startup
show history
show cli history detail
admin show environment
admin show led
show processes
show processes cpu
show processes blocked location all
show watchdog memory-state
show context location all
show redundancy
show redundancy summary
show snmp mib access
show snmp interface
show interfaces description
show ospf neighbor
show bgp sessions
show bgp summary
show rib update-groups
show tcp brief
show l2vpn xconnect
show mpls traffic-eng tunnels
show bfd session
```

# Cisco 8xxx

```
term length 0
show platform
show install active summary
show version
show hw-module fpd
show diag
show logging
show install log
show running
show configuration failed
show configuration commit changes all
show configuration history
```

```
show configuration failed startup
show history
show cli history detail
show environment
show led
show processes
show processes cpu
show processes blocked location all
show watchdog memory-state
show context location all
show reboot history
show redundancy
show redundancy summary
show snmp mib access
show snmp interface
show interfaces description
show ospf neighbor
show bgp sessions
show bgp summary
show rib update-groups
show tcp brief
show l2vpn xconnect
show mpls traffic-eng tunnels
show bfd session
```