

# Cisco CCNP Enterprise (350-401 ENCOR) Commands Sheet

Practical commands for interface validation, switching, routing, security, and automation-aware operations.

<b>Best for</b> Command recall before labs and review sessions	<b>Focus</b> What each command does and when to use it	<b>Use with</b> Use with ports sheet and cheat sheet
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## 1. Interface and platform checks

<b>show ip interface brief</b>	Fast IP and line protocol status check.
<b>show interfaces</b>	Detailed counters, duplex, speed, CRC, and queue stats.
<b>show platform software</b>	Useful on some modern platforms for deeper state visibility.
<b>show version</b>	Platform/IOS-XE baseline and uptime.

## 2. Switching and Layer 2

<b>show vlan brief</b>	Quick VLAN membership view.
<b>show interfaces trunk</b>	Verify trunking and allowed VLANs.
<b>show spanning-tree</b>	Root role, port states, and loop-prevention logic.
<b>show etherchannel summary</b>	Validate port-channel state and protocol.
<b>show mac address-table</b>	Confirm forwarding and learning behavior.

## 3. Routing and services

<b>show ip route</b>	Core path validation command.
<b>show ip ospf neighbor</b>	OSPF adjacency and state checks.
<b>show bgp ipv4 unicast summary</b>	Quick BGP session health view.
<b>show ip protocols</b>	Routing process behavior summary.
<b>show standby brief</b>	Validate HSRP/FHRP state.

## 4. Security and policy

<b>show access-lists</b>	Check ACL entries and hit counts.
<b>show aaa servers</b>	Validate AAA back-end visibility on supported platforms.
<b>show port-security</b>	Review secure MAC learning and violations.

<b>show dot1x all</b>	Useful for 802.1X state on supported gear.
<b>show logging</b>	Always inspect recent device events during troubleshooting.
<b>5. Automation-aware commands</b>	
<b>show running-config   section</b>	Filter config to the exact feature block you need.
<b>show parser view</b>	Helpful when role-based CLI views are in play.
<b>show netconf-yang sessions</b>	Validate model-driven management sessions on supported devices.
<b>curl / Postman / REST client</b>	Practical way to test APIs outside the device CLI.
<b>copy running-config startup-config</b>	Save good state only after validation.