

# Appendix A: Common CLI Command Descriptions

---

## In This Chapter

This section provides information about common Command Line Interface (CLI) syntax and command usage.

Topics in this chapter include:

- [SAP syntax on page 812](#)

## Common Service Commands

### sap

**Syntax** [no] sap *sap-id*

**Description** This command specifies the physical port identifier portion of the SAP definition.

**Parameters** *sap-id* — Specifies the physical port identifier portion of the SAP definition.

The *sap-id* can be configured in one of the following formats:

Type	Syntax	Example
port-id	<i>slot/mda/port[.channel]</i>	1/1/5
null	<i>[port-id   bundle-id] bpgrp-id   lag-id   aps-id</i>	<i>port-id:</i> 1/1/3 <i>bundle-id:</i> bundle-ppp-1/1.1 <i>bpgrp-id:</i> bpgrp-ima-1 <i>lag-id:</i> lag-3 <i>aps-id:</i> aps-1
dot1q	<i>[port-id   bundle-id] bpgrp-id   lag-id   aps-id]:qtag1</i>	<i>port-id:qtag1:</i> 1/1/3:100 <i>bundle-id:</i> bundle-ppp-1/1.1 <i>bpgrp-id:</i> bpgrp-ima-1 <i>lag-id:qtag1:</i> lag-3:102 <i>aps-id:qtag1:</i> aps-1:27
qinq	<i>[port-id   bpgrp-id   lag-id]:qtag1.qtag2</i>	<i>port-id:qtag1.qtag2:</i> 1/1/3:100.10 <i>bpgrp-id:</i> bpgrp-ima-1 <i>lag-id:qtag1.qtag2:</i> lag-10:
atm	<i>[port-id   aps-id   bundle-id   bpgrp-id][:vpi/vci   vpi   vpi1.vpi2]</i>	<i>port-id:</i> 1/1/1 <i>aps-id:</i> aps-1 <i>bundle-id:</i> bundle-ima-1/1.1 bundle-ppp-1/1.1 <i>bpgrp-id:</i> bpgrp-ima-1 <i>vpi/vci:</i> 16/26 <i>vpi:</i> 16 <i>vpi1.vpi2:</i> 16.200
frame-relay	<i>[port-id   aps-id]:dlci</i>	<i>port-id:</i> 1/1/1:100 <i>bundle-id:</i> bundle-fr-3/1.1:100 <i>aps-id:</i> aps-1 <i>dlci:</i> 16
cisco-hdlc	<i>slot/mda/port.channel</i>	<i>port-id:</i> 1/1/3.1

7750 SR:

<b>Values:</b> <i>sap-id</i>	null [port-id   bundle-id   bpggrp-id   lag-id   aps-id] dot1q [port-id   bundle-id   bpggrp-id   lag-id   aps-id]:qtag1 qinq [port-id   bundle-id   bpggrp-id   lag-id]:qtag1.qtag2 atm [port-id   aps-id][:vpi/vci vpi  vpi1.vpi2] frame [port-id   aps-id]:dlci cisco-hdlc slot/mda/port.channel cem slot/mda/port.channel ima-grp [bundle-id][:vpi/vci vpi vpi1.vpi2] port-id slot/mda/port[.channel] bundle-id bundle-type-slot/mda.bundle-num bundle keyword type ima, fr, ppp bundle-num 1 — 336 bpggrp-id bpggrp-type-bpggrp-num bpggrp keyword type ima, ppp bpggrp-num 1 — 2000 aps-id aps-group-id[.channel] aps keyword group-id 1 — 64 ccag-id ccag-id.path-id[cc-type]:cc-id ccag keyword id 1 — 8 path-id a, b cc-type .sap-net, .net-sap cc-id 0 — 4094 eth-tunnel eth-tunnel-id[:eth-tun-sap-id] id 1 — 1024 eth-tun-sap-id 0 — 4094 lag-id lag-id lag keyword id 1 — 200 qtag1 0 — 4094 qtag2 *, 0 — 4094 vpi NNI: 0 — 4095 UNI: 0 — 255 vci 1, 2, 5 — 65535 dlci 16 — 1022 ipsec-id ipsec-id.[private   public]:tag ipsec keyword id 1 — 4 tag 0 — 4094
------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

7450 ESS:

<b>Values:</b>	<i>sap-id</i>	null [port-id   bundle-id   bpgrp-id   lag-id   aps-id] dot1q [port-id   bundle-id   bpgrp-id   lag-id   aps-id]:qtag1 qinq [port-id   bundle-id   bpgrp-id   lag-id]:qtag1.qtag2 atm [port-id   aps-id][:vpi/vci vpi  vpi1.vpi2] frame [port-id   aps-id]:dlci cisco-hdlc slot/mda/port.channel ima-grp [bundle-id[:vpi/vci vpi vpi1.vpi2] port-id slot/mda/port[.channel] bundle-id bundle-type-slot/mda.bundle-num bundle keyword type ima, fr, ppp bundle-num 1 — 336 bpgrp-id bpgrp-type-bpgrp-num bpgrp keyword type ima, ppp bpgrp-num 1 — 2000 aps-id aps-group-id[.channel] aps keyword group-id 1 — 64 ccag-id ccag-id.path-id[cc-type]:cc-id ccag keyword id 1 — 8 path-id a, b cc-type .sap-net, .net-sap cc-id 0 — 4094 eth-tunnel eth-tunnel-id[:eth-tun-sap-id] id 1 — 1024 eth-tun-sap-id 0 — 4094 lag-id lag-id lag keyword id 1 — 200 qtag1 0 — 4094 qtag2 *, 0 — 4094 vpi NNI: 0 — 4095 UNI: 0 — 255 vci 1, 2, 5 — 65535 dlci 16 — 1022
----------------	---------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------