1 Process Restarting Commands

Command	Function
cmdk restart	Restart a specified process of the board in a specified slot on a specified device.
cmdk start	Start a specified process of the board in a specified slot on a specified device.
cmdk stop	Stop a specified process of the board in a specified slot on a specified device.
cmdk detail	Display the process of the board in a specified slot on a specified device.
debug cmdk	Enable or disable the CMDK debugging mode.

1.1 cmdk restart

Function

Run the **cmdk restart** command to restart a specified process of the board in a specified slot on a specified device.

Syntax

cmdk device *device-id* **slot** *slot-id* **module** *module-name* **restart**

Parameter Description

device-id: Device ID. The default value is **1**.

slot-id: Slot ID of a board.

module-name: Module name.

Table 1-1Definitions of Slot IDs in the Command String

Slot	Slot ID
Supervisor Module 1	M1
Supervisor Module 2	M2
Interface board	Slot ID corresponding to the interface board. The value range is from 1 to 8.

Command Modes

Privileged EXEC mode

Default Level

15

Usage Guidelines

- This command is run on only the master device.
- You can run the **show version slot** command to query the device ID and slot ID of a board.

Examples

The following example restarts the span process of the board in slot 0 on device 1.

```
Hostname> enable
Hostname# cmdk device 1 slot 0 module span restart
Hostname# This operation will reset the span. Are you sure to continue? [N/y]y
```

Notifications

For the names of modules that can be restarted, see Table 1-2.

Table 1-2Names of Modules That Can Be Restarted

Module Name	Description
aaad	Function of the AAA service
acld	Function of the ACL service
aclk	Kernel function of the ACL service
bfd	Function of the BFD service
bgp	Function of the BGP service
bridge	Function of the bridge service
ce.cap.sw	Capability framework
ce.cli.cpp.dp	CPP CLI function
ce.cpp.dp	Unified data plane of CPP
ce.ddos.sw	Defense against DDoS attacks
ce.ebrg.dp	Virtual bridge management
ce.emac.dp	Unified MAC data plane
ce.fp.sw	Basic policy service
ce.l2ofd.sw	Monitoring whether L2 user traffic is online
ce.mmu.dp	Data plane maintenance of MMU supervisor module
ce.nacm.sw	Access control management
ce.ofdpa.sw	OpenFlow data plane adaptation
ce.proxy.brg.dp	Bridge agent module
ce.proxy.traf	Traffic agent module
ce.qinq.dp	Data plane maintenance of QinQ Supervisor Module
ce.qos.sw	Data plane maintenance of QoS Supervisor Module
ce.tran.cap.sw	Cards notifying that the DM capability is ready (related to pre-installation)
ce.virvlan.dp	VLAN management
ce_ap	AP aggregation port service
ce_dad	DAD dual active device detection
ce_ddm	Data plane management of switching equipment
ce_efm	Express forwarding management
ce_lspan	Local mirror

Module Name	Description
ce_mgmt	MGMT port service maintenance
ce_mlag	Data plane service of MLAG
ce_ptm_core	Port management core module
ce_ptm_mib	Port management MIB processing module
ce_ptm_split	Port management split port
ce_ptm_trnscr	Supervisor module interface plug-in management
ce_sflow	Traffic sampling function
cli-proxy	Function of the CLI configuration agent service
cli-server	Function of the CLI configuration service
dhcp6c	Function of the DHCPv6 client service
dhcpc	Function of the DHCP client service
dm_app_pd	Device management framework
dm_dp	Device management core protocol
dm_kernel_sw	Device management kernel module - switching product
dns_client	Function of the DNS client service
efmp_frame	Function of the fast forwarding service
efmp_proxy	Function of the fast forwarding agent service
fe.cap.sw	Line card capability framework
fe.cpp.sw	Line card CPP module
fe.ebrg.sw	Line card virtual bridge
fe.emac.sw	Line card MAC management
fe.fp.sw	FP security entry maintenance service
fe.mmu.sw	MMU cache management service
fe.ofdpa.sw	Line card OpenFlow data plane module
fe.qinq.sw	QinQ data plane service
fe.qos.sw	QoS data plane service
fe.virvlan.sw	VLAN data plane service

Module Name	Description
fe_ap	Line card aggregation port management module
fe_bfd	BFD service
fe_dad	DAD dual active device detection service
fe_ddm	Device management module on the line card data plane
fe_efm	Line card express forwarding
fe_mlag	Forwarding plane service of MLAG
fe_ptm_core	Interface management core service
fe_ptm_mib	Interface MIB service
fe_ptm_split	Interface splitting service
fe_ptm_trnscr	Line card interface plug-in management
fe_ptm_virpt	Virtual port management
fe_span	SPAN service
ftp_server	Function of the FTP server service
ftpc_cli	Function of the FTP client service
igmp	Function of IGMP multicast group management service
igmp_snp	Function of IGMP multicast detection
ipv4	IPV4 function
ipv6	IPv6 function
isis	Function of ISIS routing protocol
ldpd	Function of LDP
lldpdemo	LLDP control plane function
lsm_ko	Function of interface status management kernel
lsm_rpc_agent	Function of interface status management agent
lsmdemo	Function of interface status management guard
mlag-services	Service whole set related to MLAG
mld	Function of MLD multicast group management
mld_snp	Function of MLD multicast detection
mstp	STP control plane

Module Name	Description
nsm	Function of the network service
nsm_proxy	Network service kernel agent
ntp	Function of the NTP service
ospf	Function of the OSPF service
ospfv3	Function of the OSPFv3 service
pbr	Function of the PBR service
qosd	Function of the QoS service
rdnd-proxy	Hot standby framework proxy module
reup	REUP protocol control plane
rg_syslogd	Function of the syslog service
orion-lacp	Function of the LACP service
orion-mlag	Control plane service of MLAG
orion-rdnd	Hot standby management framework
orion-snmpd	Function of the SNMP service
orion-span	Control plane function of the mirroring function
orion-sshc	Function of the SSH Client service
orion-sshd	Function of the SSH Server service
orion-sysmon	Function of the equipment monitoring service
orion-sysmon-pre	Function of the equipment monitoring service
orion-telnetc	Function of the Telnet Client service
orion-telnetd	Function of the Telnet Server service
rip	Function of the RIP service
ripng	Function of the RIPng service
rpi	Function of the routing policy service
S80psh_server	Function of the equipment self-healing service
sccd	Function of the security control center service
snooping	Functions of the DHCP detection service (DHCP snooping, IP source guard, port security, ARP-CHECK, DAI, gateway ARP anti-spoofing, and global IP address + MAC address

Module Name	Description
	binding)
ss_proxy	Proxy process of SS
ssa_sdk	Switching chip driver
ssa_sdk_78cc m	Supervisor module switching chip driver
tcpip	TCP/IP function
tftpd	Function of the TFTP service
tftp-server	Function of the TFTP server service
tipc	Communication protocol
tipc-tap	Module for interworking with the TIPC protocol, device management, and TIPC driver
urpf	A unicast reverse routing lookup technology used to prevent network attacks based on source address spoofing
v6snooping	Function of the DHCPv6 spoofing service (DHCPv6 Snooping and IPv6 Source Guard)
vrrp	Function of the VRRP service
vrrp_plus	Function of the VRRP+ service
xe.cpp.dp	CPP all deployment module on the unified data plane

Common Errors

N/A

Platform Description

All products support this command.

Related Commands

N/A

1.2   cmdk start

Function

Run the **cmdk start** command to start a specified process of the board in a specified slot on a specified device.

Syntax

cmdk device *device-id* **slot** *slot-id* **module** *module-name* **start**

Parameter Description

device-id: Device ID. The default value is **1**.

slot-id: Slot ID of a board.

module-name: Module name.

Table 1-1 Definitions of Slot IDs in the Command String

Slot	Slot ID
Supervisor Module 1	M1
Supervisor Module 2	M2
Interface board	Slot ID corresponding to the interface board. The value range is from 1 to 8.

Command Modes

Privileged EXEC mode

Default Level

15

Usage Guidelines

- This command is run on only the master device.
- You can run the **show version slot** command to query the device ID and user slot ID.

Examples

The following example starts the span process of the board in slot 0 on device 1.

```
Hostname> enable
Hostname# cmdk device 1 slot 0 module span start
Hostname# This operation will reset the span. Are you sure to continue? [N/y]y
```

Notifications

N/A

Common Errors

N/A

Platform Description

All products support this command.

Related Commands

N/A

1.3   cmdk stop

Function

Run the **cmdk stop** command to stop a specified process of the board in a specified slot on a specified device.

Syntax

cmdk device *device-id* **slot** *slot-id* **module** *module-name* **stop**

Parameter Description

device-id: Device ID. The default value is **1**.

slot-id: Slot ID of a board.

module-name: Module name.

Table 1-1Definitions of Slot IDs in the Command String

Slot	Slot ID
Supervisor Module 1	M1
Supervisor Module 2	M2
Interface board	Slot ID corresponding to the interface board. The value range is from 1 to 8.

Command Modes

Privileged EXEC mode

Default Level

15

Usage Guidelines

- This command is run on only the master device.
- You can run the **show version slot** command to query the device ID and user slot ID.

Examples

The following example stops the span process of the board card in slot 0 on device 1.

```
Hostname> enable
Hostname# cmdk device 1 slot 0 module span stop
Hostname# This operation will reset the span. Are you sure to continue? [N/y]y
```

Notifications

N/A

Common Errors

N/A

Platform Description

All products support this command.

Related Commands

N/A

1.4   cmdk detail

Function

Run the **cmdk detail** command to display the process of the board in a specified slot on a specified device.

Syntax

cmdk device *device-id* **slot** *slot-id* **detail**

Parameter Description

device-id: Device ID. The default value is **1**.

slot-id: Slot ID of a board.

Table 1-1 Definitions of Slot IDs in the Command String

Slot	Slot ID
Supervisor Module 1	M1
Supervisor Module 2	M2
Interface board	Slot ID corresponding to the interface board. The value range is from 1 to 8.

Command Modes

Privileged EXEC mode

Default Level

15

Usage Guidelines

● This command is run on only the master device.

● You can run the **show version slot** command to query the device ID and user slot ID.

Examples

The following example displays all processes of the board in slot 0 on device 1.

```
Hostname> enable
Hostname# cmdk device 1 slot 0 detail
S80psh_server
aaad
acld
aclk
```

```
adduser
adjust-memory
af_key_cli
af_key_k
ap_ko
app_identify
app_identify_ko
arp_sprs
bfd
bgp
bridge
check_config
checkfs
cli-proxy
cli-server
cmdk
cmpnt_upgrade_begin
cmpnt_upgrade_client
cmpnt_upgrade_server
congestctrl_server
--More--
```

Notifications

N/A

Common Errors

N/A

Platform Description

All products support this command.

Related Commands

N/A

1.5 debug cmdk

Function

Run the **debug cmdk** command to enable or disable the CMDK debugging mode.

The CMDK debugging mode is disabled by default.

Syntax

debug cmdk on

debug cmdk off

Parameter Description

N/A

Command Modes

Privileged EXEC mode

Default Level

15

Usage Guidelines

N/A

Examples

The following example enables the CMDK debugging mode.

```
Hostname> enable
Hostname# debug cmdk on
```

Notifications

N/A

Common Errors

N/A

Platform Description

All products support this command.

Related Commands

N/A