Cisco Nexus 7000 Series NX-OS
High Availability Command Reference, Release 5.x
October 2010
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New and Changed Information

This document provides release-specific information for each new and changed feature in *Cisco Nexus 7000 Series NX-OS High Availability Command Reference, Release 5.x*. Table 1-1 summarizes the new and changed features as described in the *Cisco Nexus 7000 Series NX-OS High Availability Command Reference, Release 5.x*, and tells you where they are documented. The table includes a brief description of each new feature and the release in which the change occurred.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
<th>Changed in Release</th>
<th>Where Documented</th>
</tr>
</thead>
<tbody>
<tr>
<td>There are no changes since Release 4.2(1).</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>
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Preface

This preface describes the audience, organization, and conventions of the Cisco Nexus 7000 Series NX-OS High Availability Command Reference, Release 5.x. It also provides information on how to obtain related documentation.

This chapter includes the following sections:

- Audience, page vii
- Organization, page vii
- Document Conventions, page vii
- Related Documentation, page viii
- Obtaining Documentation and Submitting a Service Request, page ix

Audience

This publication is for experienced users who configure and maintain Cisco NX-OS devices.

Organization

This reference is organized as follows:

<table>
<thead>
<tr>
<th>Chapter and Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cisco Nexus 7000 Series NX-OS High Availability Commands</td>
<td>Describes the Cisco NX-OS high availability commands.</td>
</tr>
</tbody>
</table>

Document Conventions

Command descriptions use these conventions:

<table>
<thead>
<tr>
<th>Convention</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>boldface font</strong></td>
<td>Commands and keywords are in boldface.</td>
</tr>
<tr>
<td><em>italic font</em></td>
<td>Arguments for which you supply values are in italics.</td>
</tr>
</tbody>
</table>
Preface

Screen examples use these conventions:

| **screen font** | Terminal sessions and information that the switch displays are in screen font. |
| **boldface screen font** | Information you must enter is in boldface screen font. |
| **italic screen font** | Arguments for which you supply values are in italic screen font. |
| < > | Nonprinting characters, such as passwords, are in angle brackets. |
| [ ] | Default responses to system prompts are in square brackets. |
| !, # | An exclamation point (!) or a pound sign (#) at the beginning of a line of code indicates a comment line. |

This document uses the following conventions:

**Note**
Means reader *take note*. Notes contain helpful suggestions or references to material not covered in the manual.

**Caution**
Means reader *be careful*. In this situation, you might do something that could result in equipment damage or loss of data.

**Tip**
Means *the following information will help you solve a problem.*

Related Documentation

Cisco NX-OS includes the following documents:

**Release Notes**

Cisco Nexus 7000 Series NX-OS Release Notes, Release 5.x

**NX-OS Configuration Guides**

Cisco Nexus 7000 Series NX-OS Getting Started with Virtual Device Contexts, Release 5.x
Cisco Nexus 7000 Series OTV Quick Start Guide
Cisco Nexus 7000 Series NX-OS Fundamentals Configuration Guide, Release 5.x
Cisco Nexus 7000 Series NX-OS Interfaces Configuration Guide, Release 5.x
Cisco Nexus 7000 Series NX-OS Layer 2 Switching Configuration Guide, Release 5.x
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Cisco Nexus 7000 Series NX-OS Quality of Service Configuration Guide, Release 5.x
Cisco Nexus 7000 Series NX-OS Unicast Routing Configuration Guide, Release 5.x
Cisco Nexus 7000 Series NX-OS Multicast Routing Configuration Guide, Release 5.x
Cisco Nexus 7000 Series NX-OS Security Configuration Guide, Release 5.x
Cisco Nexus 7000 Series NX-OS OTV Configuration Guide, Release 5.x
Cisco Nexus 7000 Series NX-OS Virtual Device Context Configuration Guide, Release 5.x
Cisco Nexus 7000 Series NX-OS FabricPath Configuration Guide, Release 5.x
Cisco Nexus 7000 Series NX-OS Software Upgrade and Downgrade Guide, Release 5.x
Cisco NX-OS Licensing Guide
Cisco Nexus 7000 Series NX-OS High Availability and Redundancy Guide, Release 5.x
Cisco Nexus 7000 Series NX-OS System Management Configuration Guide, Release 5.x
Cisco NX-OS XML Management Interface User Guide, Release 5.x
Cisco NX-OS System Messages Reference
Cisco Nexus 7000 Series NX-OS MIB Quick Reference

NX-OS Command References

Cisco Nexus 7000 Series NX-OS Command Reference Master Index, Release 5.x
Cisco Nexus 7000 Series NX-OS Fundamentals Command Reference, Release 5.x
Cisco Nexus 7000 Series NX-OS Interfaces Command Reference, Release 5.x
Cisco Nexus 7000 Series NX-OS Layer 2 Switching Command Reference, Release 5.x
Cisco Nexus 7000 Series NX-OS Quality of Service Command Reference, Release 5.x
Cisco Nexus 7000 Series NX-OS Unicast Routing Command Reference, Release 5.x
Cisco Nexus 7000 Series NX-OS Multicast Routing Command Reference, Release 5.x
Cisco Nexus 7000 Series NX-OS Security Command Reference, Release 5.x
Cisco Nexus 7000 Series NX-OS OTV Command Reference, Release 5.x
Cisco Nexus 7000 Series NX-OS Virtual Device Context Command Reference, Release 5.x
Cisco Nexus 7000 Series NX-OS FabricPath Command Reference, Release 5.x
Cisco Nexus 7000 Series NX-OS System Management Command Reference, Release 5.x

Other Software Document

Cisco Nexus 7000 Series NX-OS Troubleshooting Guide, Release 5.x

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly What’s New in Cisco Product Documentation, which also lists all new and revised Cisco technical documentation, at:
Send document comments to nexus7k-docfeedback@cisco.com

Subscribe to the What's New in Cisco Product Documentation as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS Version 2.0.
Cisco Nexus 7000 Series NX-OS High Availability Commands

Cisco NX-OS is a resilient operating system that is specifically designed for high availability at the network, system, and process level. For more information about high availability (HA) concepts and features for Cisco NX-OS devices, see the *Cisco Nexus 7000 Series NX-OS High Availability and Redundancy Guide, Release 5.x*.

This chapter describes the Cisco Nexus 7000 Series NX-OS high availability commands.
clear bootvar log

To delete the boot variable log, use the clear bootvar log command.

```plaintext
clear bootvar log
```

**Syntax Description**
This command has no arguments or keywords.

**Defaults**
None

**Command Modes**
Any command mode

**Supported User Roles**
network-admin

**Command History**

<table>
<thead>
<tr>
<th>Release</th>
<th>Modification</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0(1)</td>
<td>This command was introduced.</td>
</tr>
</tbody>
</table>

**Usage Guidelines**
This command does not require a license.

**Examples**
This example shows how to delete the boot variable log:

```plaintext
switch(config)# clear bootvar log
switch(config)#
```

**Related Commands**

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>show boot</td>
<td>Displays all configured boot variables.</td>
</tr>
<tr>
<td>show boot variable</td>
<td>Displays the boot variable names.</td>
</tr>
</tbody>
</table>
clear cores

To delete core dump files of a virtual device context (VDC) from the logflash, use the `clear cores` command.

```
clear cores archive
```

**Syntax Description**

| archive | All core dump files for a VDC from the logflash on the module. |

**Defaults**

None

**Command Modes**

Any command mode

**Supported User Roles**

network-admin

**Command History**

<table>
<thead>
<tr>
<th>Release</th>
<th>Modification</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0(1)</td>
<td>This command was introduced.</td>
</tr>
</tbody>
</table>

**Usage Guidelines**

This command does not require a license.

**Examples**

This example shows how to delete core dump files of a VDC from the logflash:

```
switch(config)# clear cores archive
switch(config)#
```

**Related Commands**

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>show cores</td>
<td>Displays core dump files of a virtual context device (VDC).</td>
</tr>
</tbody>
</table>
clear xbar-driver

To delete the crossbar-related information, use the clear x-bar driver command.

```
clear xbar-driver [xbar xbar-number | local xbar slot-number]
```

**Syntax Description**

- `xbar` (Optional) Specifies the crossbar number. The range is from 1 to 5.
- `xbar-number`
- `local xbar slot-number` (Optional) Specifies the crossbar slot number. The range is from 1 to 4.

**Defaults**

None

**Command Modes**

Any command mode

**Supported User Roles**

network-admin

**Command History**

<table>
<thead>
<tr>
<th>Release</th>
<th>Modification</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0(1)</td>
<td>This command was introduced.</td>
</tr>
</tbody>
</table>

**Usage Guidelines**

This command does not require a license.

**Examples**

This example shows how to delete the crossbar-related information:

```
switch(config)# clear xbar-driver xbar 2 inst 1 counters port_num 1 all
switch(config)#
```

**Related Commands**

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>show module fabric</td>
<td>Displays information about the module fabric.</td>
</tr>
<tr>
<td>show hardware fabric-utilization</td>
<td>Displays information about the hardware fabric utilization.</td>
</tr>
</tbody>
</table>
**out-of-service**

To power off a supervisor module in the Cisco NX-OS software, use the `out-of-service` command.

```
out-of-service module module-number
```

### Syntax Description

- **module**
  - Specifies an I/O module.
- **module-number**
  - Module number. The range is from 1 to 18.

### Defaults

None

### Command Modes

Global configuration mode

### Supported User Roles

- network-admin
- vdc-admin

### Command History

<table>
<thead>
<tr>
<th>Release</th>
<th>Modification</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0(1)</td>
<td>This command was introduced.</td>
</tr>
</tbody>
</table>

### Usage Guidelines

This command is not supported on line card modules. For line card modules, use the `poweroff` command.

You can use the `out-of-service` command only in the default virtual device context (VDC).

Use this command to safely remove a module from service in the software. Before bringing a module back into service, you must remove the physical hardware module from the chassis and reinsert it.

This command does not require a license.

### Examples

This example shows how to take a supervisor module out of service:

```
switch# configure terminal
switch(config)# out-of-service module 3
```

### Related Commands

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>poweroff</td>
<td>Shuts down a supervisor of a line card module in the Cisco NX-OS</td>
</tr>
<tr>
<td>reload module</td>
<td>Reloads a module in a device.</td>
</tr>
</tbody>
</table>
poweroff

To power off a supervisor of a line card module in the Cisco NX-OS, use the `poweroff` command.

```
poweroff {module module-number | xbar xbar-number}
```

**Syntax Description**
- `module module-number`: Specifies an I/O module. The range is from 1 to 18.
- `xbar xbar-number`: Specifies a fabric module. The range is from 1 to 5.

**Defaults**
None

**Command Modes**
Global configuration mode

**Supported User Roles**
- network-admin
- vdc-admin

**Command History**
- **Release** 4.0(1)  
  **Modification** This command was introduced.

**Usage Guidelines**
This command does not require a license.

**Examples**
This example shows how to take a supervisor module out of service:

```
switch# configure terminal
switch(config)# poweroff module 5
```

**Related Commands**

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>out-of-service</td>
<td>Shuts down a supervisor module in the Cisco NX-OS software.</td>
</tr>
<tr>
<td>reload module</td>
<td>Reloads a module in a device.</td>
</tr>
</tbody>
</table>
To configure the power supply redundancy mode, use the `power redundancy-mode` command. To disable the power redundancy mode, use the `no` form of this command.

```
power redundancy-mode \{ combined \[combined\] | insrc-redundant \[insrc-redundant\] | ps-redundant \[ps-redundant\] | redundant \[redundant\] } 
no power redundancy-mode \{ combined \[combined\] | insrc-redundant \[insrc-redundant\] | ps-redundant \[ps-redundant\] | redundant \[redundant\] }
```

**Syntax Description**
- `combined`: Specifies the combined power supply mode.
- `insrc-redundant`: Specifies the input source redundancy mode.
- `ps-redundant`: Specifies the power support redundancy mode.
- `redundant`: Specifies the full redundancy mode.

**Defaults**
- `ps-redundant`

**Command Modes**
- Global configuration

**SupportedUserRoles**
- network-admin

**Command History**

<table>
<thead>
<tr>
<th>Release</th>
<th>Modification</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0(1)</td>
<td>This command was introduced.</td>
</tr>
</tbody>
</table>

**Usage Guidelines**
You can use the `power redundancy-mode` command only in the default virtual device context (VDC). You can configure the power supplies with the following modes:

- **Combined mode**—This mode does not provide power redundancy. The available power for this mode is the total power capacity of all power supplies.

- **Power supply redundancy mode**—This mode provides an extra power supply in case an active power supply goes down. With this mode, the power supply that can supply the most power operates in the standby mode. The other one or two power supplies are active. The available power is the amount of power provided by the active power supply units.

- **Input source redundancy mode**—This mode uses two electrical grids, each one powering a half module within each power supply. If one power grid goes down, each power supply continues to draw power through its other half module. The available power is the amount of power by the lesser of the two grids through the power supplies.

- **Full redundancy mode**—This mode combines power supply redundancy and input source redundancy, which means that the chassis has an extra power supply and each half of each power supply is connected to one electrical grid while the other half of each power supply is connected to the other electrical grid. The available power is the lesser of the available power for power supply mode and input source mode.
power redundancy-mode

This command does not require a license.

Examples

This example shows how to configure the power supply redundancy mode:

```
switch# configure t
switch(config)# power redundancy-mode redundant
```

This example shows how to disable the power supply redundancy mode:

```
switch# configure t
switch(config)# no power redundancy-mode redundant
```

Related Commands

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>show environment</td>
<td>Displays information about the device hardware environment.</td>
</tr>
</tbody>
</table>
**reload module**

To reload a module in the device, use the `reload module` command.

```
reload module slot [force-dnld]
```

### Syntax Description

- **slot**: Chassis slot number. The slot range depends on the system.
- **force-dnld**: (Optional) Forces the download of software to the module.

### Defaults

None

### Command Modes

Any command mode

### Supported User Roles

network-admin

### Command History

<table>
<thead>
<tr>
<th>Release</th>
<th>Modification</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0(1)</td>
<td>This command was introduced.</td>
</tr>
</tbody>
</table>

### Usage Guidelines

You can use the `reload module` command only in the default virtual device context (VDC).

To display information about the hardware on your device, use the `show hardware` command.

This command does not require a license.

### Examples

This example shows how to reload a module:

```
switch# reload module 2
```

### Related Commands

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>show version</code></td>
<td>Displays the software version that is currently running on the system.</td>
</tr>
</tbody>
</table>
show boot

To display the boot variables in the startup configuration, use the `show boot` command.

```
  show boot
```

**Syntax Description**

This command has no arguments or keywords.

**Defaults**

None

**Command Modes**

Any command mode

**Supported User Roles**

- network-admin
- network-operator
- vdc-admin
- vdc-operator

**Command History**

<table>
<thead>
<tr>
<th>Release</th>
<th>Modification</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.2</td>
<td>This command was introduced.</td>
</tr>
</tbody>
</table>

**Usage Guidelines**

This command does not require a license.

**Examples**

This example shows how to display the boot variables in the startup configuration:

```
switch(config)# show boot
Current Boot Variables:

  sup-1
  kickstart variable = bootflash:/n7000-s1-kickstart.4.1.5.gbin.S1
  system variable = bootflash:/n7000-s1-dk9.4.1.5.gbin.S1

  sup-2
  kickstart variable = bootflash:/n7000-s1-kickstart.4.1.5.gbin.S1
  system variable = bootflash:/n7000-s1-dk9.4.1.5.gbin.S1

No module boot variable set

Boot Variables on next reload:

  sup-1
  kickstart variable = bootflash:/n7000-s1-kickstart.4.1.5.gbin.S1
  system variable = bootflash:/n7000-s1-dk9.4.1.5.gbin.S1

  sup-2
  kickstart variable = bootflash:/n7000-s1-kickstart.4.1.5.gbin.S1
  system variable = bootflash:/n7000-s1-dk9.4.1.5.gbin.S1

No module boot variable set
switch(config)#
```
## Related Commands

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>system cores</td>
<td>Configures the system core filename.</td>
</tr>
</tbody>
</table>
show cores

To display the system core dump files, use the **show cores** command.

```
show cores {vdc | vdc-all}
```

**Syntax Description**

- **vdc**: Specifies all core dumps for a virtual device context (VDC).
- **vdc-all**: Specifies core dumps for all VDCs.

**Command Modes**

Any command mode

**Supported User Roles**

network-admin

**Command History**

<table>
<thead>
<tr>
<th>Release</th>
<th>Modification</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0(1)</td>
<td>This command was introduced.</td>
</tr>
</tbody>
</table>

**Usage Guidelines**

This command does not require a license.

**Examples**

This example shows how to display the recent system core dump file:

```
switch# show cores vdc
VDC No Module-num  Instance-num  Process-name  PID   Core-create-time
------- ---------      --------      ---------      ---      ----------------
     ------       ---------      ---------      ---      ----------------
1       5         1           cdp       16718     May 21 15:36
switch#
```

**Related Commands**

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>show system core</strong></td>
<td>Displays information about transferring cores.</td>
</tr>
<tr>
<td><strong>system cores</strong></td>
<td>Configures the system core filename.</td>
</tr>
</tbody>
</table>
show system cores

To display the core filename, use the show system cores command.

```
show system cores
```

Syntax Description

This command has no arguments or keywords.

Defaults

None

Command Modes

Any command mode

SupportedUserRoles

network-admin
network-operator
vdc-admin
vdc-operator

Command History

<table>
<thead>
<tr>
<th>Release</th>
<th>Modification</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0(1)</td>
<td>This command was introduced.</td>
</tr>
</tbody>
</table>

Usage Guidelines

To configure the system core filename, use the show system cores command.

This command does not require a license.

Examples

This example shows how to display the core filename:

```
switch(config)# show system cores
Cores are transferred to slot0:
switch(config)#
```

Related Commands

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>system cores</td>
<td>Configures the system core filename.</td>
</tr>
</tbody>
</table>
show system redundancy

To display the system redundancy status, use the `show system redundancy` command.

```
show system redundancy [ha] status
```

**Syntax Description**

<table>
<thead>
<tr>
<th>Syntax Description</th>
<th>ha</th>
<th>(Optional) Displays the virtual device context (VDC) redundancy (high availability) status.</th>
</tr>
</thead>
</table>

**Defaults**

None

**Command Modes**

Any command mode

**SupportedUserRoles**

network-admin
network-operator
vdc-admin
vdc-operator

**Command History**

<table>
<thead>
<tr>
<th>Release</th>
<th>Modification</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0(1)</td>
<td>This command was introduced.</td>
</tr>
</tbody>
</table>

**Usage Guidelines**

This command does not require a license.

**Examples**

This example shows how to display the system redundancy status:

```
switch# show system redundancy status
Redundancy mode
--------------------
administrative: HA
operational: None

This supervisor (sup-1)
-----------------------
Redundancy state: Active
Supervisor state: Active
Internal state: Active with no standby

Other supervisor (sup-2)
------------------------
Redundancy state: Not present
switch#
```
This example shows how to display the VDC redundancy status:

```
switch# show system redundancy ha status
VDC No This supervisor Other supervisor
------ --------------- ---------------
vdc 1   Active with no standby N/A
vdc 2   Active with no standby N/A
vdc 3   Active with no standby N/A
vdc 4   N/A             N/A
switch#
```

**Related Commands**

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>system hap-reset</td>
<td>Enables the Supervisor Reset HA policy.</td>
</tr>
</tbody>
</table>
show system standby manual-boot

To display the status of the system standby manual boot feature, use the `show system standby manual-boot` command.

```
switch(config)# show system standby manual-boot
system standby manual-boot option is disabled
switch(config)#
```

**Syntax Description**

This command has no arguments or keywords.

**Defaults**

None

**Command Modes**

Any command mode

**Supported User Roles**

network-admin
network-operator
vdc-admin
vdc-operator

**Command History**

<table>
<thead>
<tr>
<th>Release</th>
<th>Modification</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0(1)</td>
<td>This command was introduced.</td>
</tr>
</tbody>
</table>

**Usage Guidelines**

This command does not require a license.

**Examples**

This example shows how to display the status of the system standby manual boot feature:

```
switch(config)# show system standby manual-boot
system standby manual-boot option is disabled
switch(config)#
```

**Related Commands**

```
Command                      Description
system hap-reset             Enables the Supervisor Reset HA policy.
```
system cores

To configure the destination for the core dumps on your system, use the `system cores` command. To revert to the default, use the `no` form of this command.

```
system cores {slot1:[path] | tftp:/server//[/path/]}filename
no system cores {slot1:[path] | tftp:/server//[/path/]}filename
```

### Syntax Description

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>slot1</td>
<td>Specifies the slot0: external file system.</td>
</tr>
<tr>
<td>path</td>
<td>(Optional) Directory path to the file. The directory names in the path are case sensitive.</td>
</tr>
<tr>
<td>tftp</td>
<td>Specifies a TFTP server.</td>
</tr>
<tr>
<td>server</td>
<td>Name or IPv4 address of the TFTP server. The server name is case sensitive.</td>
</tr>
<tr>
<td>filename</td>
<td>Name for the core file. The name is alphanumeric, case sensitive, and has a maximum of 32 characters.</td>
</tr>
</tbody>
</table>

### Defaults

None

### Command Modes

Any command mode

### SupportedUserRoles

- network-admin
- network-operator
- vdc-admin
- vdc-operator

### Command History

<table>
<thead>
<tr>
<th>Release</th>
<th>Modification</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0(1)</td>
<td>This command was introduced.</td>
</tr>
</tbody>
</table>

### Usage Guidelines

This command does not require a license.

### Examples

This example shows how to configure the destination for the system core:

```
switch# config t
switch(config)# system cores slot1:core_file
switch(config)#
```

This example shows how to disable system core logging:

```
switch# config t
switch(config)# no system cores
```
### Related Commands

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>show system cores</td>
<td>Displays the core filename.</td>
</tr>
</tbody>
</table>
system hap-reset

To enable the Supervisor Reset High Availability (HA) policy, use the system hap-reset command.

```
  system hap-reset
```

**Syntax Description**
This command has no arguments or keywords.

**Defaults**
None

**Command Modes**
Any command mode

**SupportedUserRoles**
network-admin
network-operator
vdc-admin
vdc-operator

**Command History**

<table>
<thead>
<tr>
<th>Release</th>
<th>Modification</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0(1)</td>
<td>This command was introduced.</td>
</tr>
</tbody>
</table>

**Usage Guidelines**
This command does not require a license.

You configure switchover and high availability (HA) policies for a virtual device context (VDC) when you create the VDC.

**Examples**
This example shows how to enable the Supervisor Reset HA policy:

```
switch(config)# system hap-reset
switch(config)#
```

**Related Commands**

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>system no hap-reset</td>
<td>Disables the heartbeat checks and reverts to the factory default.</td>
</tr>
</tbody>
</table>
To disable the Supervisor Reset High Availability (HA) policy, use the `system no hap-reset` command.

```
no system hap-reset
```

**Syntax Description**
This command has no arguments or keywords.

**Defaults**
Disabled

**Command Modes**
Any command mode

**Supported User Roles**
network-admin
network-operator
vdc-admin
vdc-operator

**Command History**

<table>
<thead>
<tr>
<th>Release</th>
<th>Modification</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0(1)</td>
<td>This command was introduced.</td>
</tr>
</tbody>
</table>

**Usage Guidelines**
This command does not require a license.

You configure switchover and high availability (HA) policies for a VDC when you create the VDC.

**Examples**
This example shows how to disable the Supervisor Reset HA policy:

```
switch(config)# system no hap-reset
switch(config)#
```

**Related Commands**

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>system hap-reset</td>
<td>Enables the heartbeat checks and reverts to the factory default.</td>
</tr>
</tbody>
</table>
system standby manual-boot

To enable the system standby manual boot, use the `system standby manual-boot` command.

```
  system standby manual-boot
```

Syntax Description
This command has no arguments or keywords.

Defaults
None

Command Modes
Any command mode

Supported User Roles
- network-admin
- network-operator
- vdc-admin
- vdc-operator

Command History

<table>
<thead>
<tr>
<th>Release</th>
<th>Modification</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0(1)</td>
<td>This command was introduced.</td>
</tr>
</tbody>
</table>

Usage Guidelines
This command does not require a license.

Examples
This example shows how to enable the system standby manual boot:

```
switch(config)# system standby manual-boot
system standby manual-boot option is enabled
switch(config)#
```

Related Commands

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>system hap-reset</code></td>
<td>Enables the Supervisor Reset HA policy.</td>
</tr>
</tbody>
</table>
system switchover

To switch over to the standby supervisor, use the `system switchover` command.

```
switch# system switchover
switch#
```

**Syntax Description**
This command has no arguments or keywords.

**Defaults**
None

**Command Modes**
Any command mode

**Supported User Roles**
network-admin

**Command History**

<table>
<thead>
<tr>
<th>Release</th>
<th>Modification</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0(1)</td>
<td>This command was introduced.</td>
</tr>
</tbody>
</table>

**Usage Guidelines**
This command does not require a license.

**Examples**
This example shows how to switch over to the standby supervisor:

```
switch# system switchover
switch#
```

**Related Commands**

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>show system redundancy</td>
<td>Displays the system redundancy status.</td>
</tr>
</tbody>
</table>
system test-preupgrade running-ver

To test the running software version before an upgrade, use the `system test-preupgrade running-ver` command.

```
switch(config)# system test-preupgrade running-ver 4.2<0.202> target-ver Update
swid 4.2.1 impact 0
```

System will be upgraded according to following table:

<table>
<thead>
<tr>
<th>Module</th>
<th>Swid</th>
<th>Impact</th>
<th>Running-Version</th>
<th>New-Version</th>
<th>Upg-Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>4.2.1</td>
<td>hitless</td>
<td>4.2&lt;0.202&gt;</td>
<td></td>
<td>Update</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>4.2.1</td>
<td>hitless</td>
<td>4.2&lt;0.202&gt;</td>
<td></td>
<td>Update</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Syntax Description

- `running-version` Running software version.
- `target-ver` Specifies the target software version.
- `target-version` Target software version.
- `swid` Specifies the software ID of the image running on a module. For example: system or kickstart.
- `software-id` Software ID.
- `impact` Specifies the impact. For example: 0 for hitless and 1 for hitful.
- `impact-number` Impact number.

Defaults

None

Command Modes

Any command mode

Supported User Roles

- network-admin
- network-operator
- vdc-admin
- vdc-operator

Command History

Release       Modification
4.0(1)         This command was introduced.

Usage Guidelines

This command does not require a license.
Final upgrade impact table:
Module      Impact
--------  -------
 6         hitless
 9         hitless
11         hitless

Message from services:
switch(config)#

<table>
<thead>
<tr>
<th>Related Commands</th>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>system startup-config</td>
<td>Unlocks the startup configuration.</td>
</tr>
<tr>
<td></td>
<td>unlock</td>
<td></td>
</tr>
<tr>
<td></td>
<td>system startup-config</td>
<td>Initializes the startup configuration.</td>
</tr>
<tr>
<td></td>
<td>init</td>
<td></td>
</tr>
</tbody>
</table>