

clear banner motd

Use the **clear banner motd** command to clear the message-of-the-day banner.

clear banner motd

Syntax Description This command has no arguments or keywords.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines You can use either the **clear banner motd** command or the **set banner motd ##** command to clear the message-of-the-day banner.

Examples This example shows how to clear the message-of-the-day banner:

```
Console> (enable) clear banner motd
MOTD banner cleared
Console> (enable)
```

Related Commands **set banner motd**

clear boot

Use the **clear boot** command to clear the contents of the BOOT environment variable and the configuration register setting.

clear boot system all [*mod*]

clear boot system flash *device*:[*filename*] [*mod*]

clear boot auto-config [*mod*]

Syntax Description		
all	Keyword that specifies clearing the whole BOOT environment variable.	
<i>mod</i>	(Optional) Module number of the supervisor engine on which to clear the BOOT environment variable.	
flash	Keyword that specifies the Flash file system.	
<i>device</i> :	Valid devices include bootflash, slot0, and slot1 for Catalyst 5000 family and 2926G series switches and bootflash for the Catalyst 4000 family and 2948G switches.	
<i>filename</i>	(Optional) Filename of the system image on the Flash device.	
auto-config	Keyword that specifies the auto-config file.	

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines If you want to rearrange the booting order, you can use the **prepend** keyword with the **set boot system** command or you can clear the entire BOOT environment variable using the **clear boot system** command and then redefine the list.

In the Catalyst 5000 family switches, this command is supported on the Supervisor Engine III and III F.

Examples This example shows how to clear the contents of the Flash device:

```
Console> (enable) clear boot system all
BOOT variable =
Console> (enable)
```

This example shows how to clear the auto-config file:

```
Console> (enable) clear boot auto-config
CONFIG_FILE variable =
Console> (enable)
```

Related Commands show boot

clear cam

Use the **clear cam** command to delete a specific entry or all entries from the CAM table.

```
clear cam {mac_addr | dynamic | static | permanent} [vlan_num]
```

Syntax Description

<i>mac_addr</i>	One or more MAC addresses to clear from the CAM table.
dynamic	Keyword that clears the dynamic CAM entries from the CAM table.
static	Keyword that clears the static CAM entries from the CAM table.
permanent	Keyword that clears the permanent CAM entries from the CAM table.
<i>vlan_num</i>	(Optional) Number of the VLAN associated with the CAM entries.

Defaults

This command has no default setting.

Command Types

Switch command.

Command Modes

Privileged.

Usage Guidelines

If you enter the **clear cam** command on a Catalyst 5000 family or 2926G series switch, the EARL CAM table entries are cleared. If you enter the **clear cam** command on a Catalyst 4000 family switch, 2948G switch, or 2980G switch, the ASE CAM table entries are cleared.

Examples

This example shows how to remove MAC address 00-40-0b-a0-03-fa from the CAM table:

```
Console> (enable) clear cam 00-40-0b-a0-03-fa
CAM table entry cleared.
Console> (enable)
```

This example shows how to clear dynamic entries from the CAM table:

```
Console> (enable) clear cam dynamic
Dynamic CAM entries cleared.
Console> (enable)
```

Related Commands

set cam
show cam

clear cgmp statistics

Use the **clear cgmp statistics** command to clear CGMP statistical information.

clear cgmp statistics

Syntax Description This command has no arguments or keywords.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Examples This example shows how to clear CGMP statistical information:

```
Console> (enable) clear cgmp statistics
CGMP statistics cleared.
Console> (enable)
```

Related Commands **show cgmp statistics**

clear config

Use the **clear config** command to clear the system or module configuration information stored in NVRAM.

```
clear config mod_num
```

```
clear config {rmon | all | extendedrmon}
```

Syntax Description

<i>mod_num</i>	Number of the module.
rmon	Keyword that clears all RMON configurations, including the historyControlTable, the alarmTable, the eventTable, and the ringStation ControlTable.
all	Keyword that specifies all modules and system configuration information, including the IP address.
extendedrmon	Keyword that specifies the extended RMON configuration information for the Network Analysis module.

Defaults

This command has no default setting.

Command Types

Switch command.

Command Modes

Privileged.

Usage Guidelines

When you clear the configuration using the **clear config all** command, the default switch configuration is restored. The information that is cleared includes manually configured IP addresses and IP addresses learned through DHCP or RARP.

When you clear the configuration on the Catalyst 5000 family and 2926G series switches, the IP address and subnet mask on the sc0 interface are set to 0.0.0.0.

When you clear the configuration on the Catalyst 4000 family, 2948G, and 2980G switches, the IP address and subnet mask on the me1 and sc0 interfaces are set to 0.0.0.0. The me1 interface is brought down and the sc0 interface is brought up.



Note

Before using the **clear config all** command, save a backup of the configuration.

When using an RSM or RSFC, the **clear config** command clears the portion of the RSM or RSFC configuration stored on the Catalyst 5000 family switch. The portion of the configuration stored on the RSM or RSFC must be cleared from the RSM or RSFC CLI.

The **extendedrmon** keyword is not supported by the Catalyst 4000 family switches, 2948G switches, and 2980G switches.

Examples

This example shows how to delete the configuration information in NVRAM on module 2:

```
Console> (enable) clear config 2
This command will clear module 2 configuration.
Do you want to continue (y/n) [n]? y
.....
Module 2 configuration cleared.
Console> (enable)
```

This example shows how to delete the configuration information stored in NVRAM on module 1 (the supervisor engine module):

```
Console> (enable) clear config 1
This command will clear module 1 configuration.
Do you want to continue (y/n) [n]? y
.....
Module 1 configuration cleared.
host%
```

This example shows how to delete all the configuration information for the Catalyst 5000 family, 4000 family, 2926G series, 2948G, and 2980G switches:

```
Console> (enable) clear config all
This command will clear all configuration in NVRAM.
This command will cause ifIndex to be reassigned on the next system startup.
Do you want to continue (y/n) [n]? y
Releasing IP address...Done
.....
.....
.....

System configuration cleared.
Console> (enable)
```

Related Commands

configure
show config

clear cops

Use the **clear cops** commands to clear Common Open Policy Service (COPS) configurations.

clear cops roles *role1* [*role2*]...

clear cops all-roles

clear cops server all

clear cops server *ipaddress*

clear cops domain-name

Syntax Description

roles <i>role#</i>	Keyword and variable that specifies the roles to clear.
all-roles	Keyword that clears all roles.
server	Keyword that specifies the COPS server.
all	Keyword that clears all servers.
<i>ipaddress</i>	The IP address or IP alias of the server.
domain-name	Keyword that clears the domain name of the server.

Defaults

This command has no default setting.

Command Types

Switch command.

Command Modes

Privileged.

Usage Guidelines

This command is supported by the Catalyst 5000 family switches.
You can use the **clear cops all-roles** command to clear all the roles.

Examples

This example shows how to clear specific roles:

```
Console> (enable) clear cops roles backbone_port main_port
Roles cleared.
Console> (enable)
```

This example shows how to clear all roles:

```
Console> (enable) clear cops all-roles
All roles cleared.
Console> (enable)
```

This example shows how to clear all COPS servers:

```
Console> (enable) clear cops server all  
All COPS servers cleared.  
Console> (enable)
```

This example shows how to clear a specific COPS server:

```
Console> (enable) clear cops server my_server1  
All COPS servers cleared.  
Console> (enable)
```

This example shows how to clear the COPS domain name:

```
Console> (enable) clear cops domain-name  
Domain name cleared.  
Console> (enable)
```

Related Commands

show cops
set cops

clear counters

Use the **clear counters** command to clear MAC and port counters.

clear counters

Syntax Description This command has no keywords or arguments.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines This command also clears ATM module counters.

Examples This example shows how to reset MAC and port counters to zero:

```
Console> (enable) clear counters  
MAC and Port counters cleared.  
Console> (enable)
```

Related Commands **show port**

clear drip statistics

Use the **clear drip statistics** command to clear DRiP statistical information.

clear drip statistics

Syntax Description This command has no keywords or arguments.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Examples This example shows how to clear DRiP statistical information:

```
Console> (enable) clear drip statistics  
DRIP statistics cleared.  
Console> (enable)
```

Related Commands **show drip statistics**

clear igmp statistics

Use the **clear igmp statistics** command to clear IGMP router port statistical information.

clear igmp statistics

Syntax Description This command has no arguments or keywords.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines This command is supported by the Catalyst 5000 family switches and the Catalyst 2926G series switches.

Examples This example shows how to clear IGMP statistical information:

```
Console> (enable) clear igmp statistics
IGMP statistics cleared.
Console> (enable)
```

Related Commands **show igmp statistics**

clear ip alias

Use the **clear ip alias** command to clear IP aliases that are set using the **set ip alias** command.

```
clear ip alias {name | all}
```

Syntax Description	<i>name</i>	IP address alias to delete.
	all	Keyword that specifies that all previously set IP address aliases be deleted.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Examples This example shows how to delete a previously defined IP alias named babar:

```
Console> (enable) clear ip alias babar  
IP alias deleted.  
Console> (enable)
```

Related Commands

- set ip alias**
- show ip alias**

clear ip dns domain

Use the **clear ip dns domain** command to clear the default DNS domain name.

clear ip dns domain

Syntax Description This command has no arguments or keywords.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Examples This example shows how to clear the default DNS domain name:

```
Console> (enable) clear ip dns domain
Default DNS domain name cleared.
Console> (enable)
```

Related Commands **set ip dns domain**
show ip dns

clear ip dns server

Use the **clear ip dns server** command to remove a DNS server from the DNS server listing.

```
clear ip dns server {ip_addr | all}
```

Syntax Description

<i>ip_addr</i>	IP address of the DNS server you want to remove. An IP alias or a host name that can be resolved through DNS can also be used.
all	Keyword that specifies all the IP addresses in the DNS server listing be removed.

Defaults

This command has no default setting.

Command Types

Switch command.

Command Modes

Privileged.

Examples

This example shows how to remove the DNS server at IP address 192.168.255.255 from the DNS server listing:

```
Console> (enable) clear ip dns server 192.168.255.255  
192.168.255.255 cleared from DNS table.  
Console> (enable)
```

Related Commands

set ip dns server
show ip dns

clear ip permit

Use the **clear ip permit** command to remove a specified IP address and mask or all IP addresses and masks from the permit list.

```
clear ip permit {ip_addr} [mask] [snmp | telnet | all]
```

```
clear ip permit all
```

Syntax Description	
<i>ip_addr</i>	IP address to be cleared. An IP alias or a host name that can be resolved through DNS can also be used.
<i>mask</i>	(Optional) Subnet mask of the specified IP address.
snmp	(Optional) Keyword that specifies removal from the SNMP IP permit list.
telnet	(Optional) Keyword that specifies removal from the Telnet IP permit list.
all	(Optional) Keyword that specifies removal from both SNMP and Telnet IP permit lists.
all	Keyword that specifies all entries in the IP permit list be removed.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines The **clear ip permit all** command clears the permit list but does not change the state of the IP permit feature. A warning is displayed if all IP addresses are cleared from the permit list, and the feature is enabled. If a mask other than the default (255.255.255.255) has been configured, you must provide both the address and mask to clear a specific entry.

If the **snmp**, **telnet**, or **all** keyword is not specified, the IP address is removed from both the SNMP and Telnet permit lists.

Examples These examples show how to remove specified IP addresses:

```
Console> (enable) clear ip permit 172.100.101.102
172.100.101.102 cleared from IP permit list.
Console> (enable)
```

```
Console> (enable) clear ip permit 172.160.161.0 255.255.192.0 snmp
172.160.128.0 with mask 255.255.192.0 cleared from snmp permit list.
Console> (enable)
```

```
Console> (enable) clear ip permit 172.100.101.102 telnet  
172.100.101.102 cleared from telnet permit list.  
Console> (enable)
```

```
Console> (enable) clear ip permit all  
IP permit list cleared.  
WARNING  
IP permit list is still enabled.  
Console> (enable)
```

Related Commands

set ip permit
show ip permit
show port counters

clear ip route

Use the **clear ip route** command to delete IP routing table entries.

clear ip route all

clear ip route *destination gateway*

Syntax Description		
	all	Keyword that deletes all IP routing table entries.
	<i>destination</i>	IP address of the host or network. An IP alias or a host name that can be resolved through DNS can also be used.
	<i>gateway</i>	IP address or alias of the gateway router.

Defaults This command has no default settings.

Command Types Switch command.

Command Modes Privileged.

Examples This example shows how to delete the route table entries using the **clear ip route** command:

```
Console> (enable) clear ip route 172.16.2.2 elvis
Route deleted.
Console> (enable)
```

Related Commands **set ip route**
show ip route

clear kerberos clients mandatory

Use the **clear kerberos clients mandatory** command to disable mandatory Kerberos authentication for services on the network.

clear kerberos clients mandatory

Syntax Description This command has no arguments or keywords.

Defaults Kerberos clients are NOT set to mandatory.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines A user authenticated to a Kerberized switch has a ticket granting ticket (TGT) and can use it to authenticate to a host on the network. However, if forwarding is not enabled and a user tries to list credentials after authenticating to a host, the output will show no Kerberos credentials present.

You can optionally configure the switch to forward users' TGTs with them as they authenticate from the switch to Kerberized remote hosts on the network when using Kerberized Telnet.

As an added layer of security, you can optionally configure the switch so that after users authenticate to it, they can authenticate to other services on the network only with Kerberos clients. If you do not make Kerberos authentication mandatory and Kerberos authentication fails, the application attempts to authenticate users using the default method of authentication for that network service. For example, Telnet prompts for a password.

Examples This example shows how to clear mandatory Kerberos authentication:

```
Console> (enable) clear kerberos clients mandatory
Kerberos clients mandatory cleared
Console> (enable)
```

Related Commands **set kerberos clients mandatory**
set kerberos credentials forward

clear kerberos credentials forward

Use the **clear kerberos credentials forward** command to disable credentials forwarding.

clear kerberos credentials forward

Syntax Description This command has no arguments or keywords.

Defaults Forwarding is disabled by default.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines A user authenticated to a Kerberized switch has a ticket granting ticket (TGT) and can use it to authenticate to a host on the network. However, if forwarding is not enabled and a user tries to list credentials after authenticating to a host, the output will show no Kerberos credentials present.

You can optionally configure the switch to forward users' TGTs with them as they authenticate from the switch to Kerberized remote hosts on the network when using Kerberized Telnet.

Examples This example shows how to disable Kerberos credentials forwarding:

```
Console> (enable) clear kerberos credentials forward
Kerberos credentials forwarding disabled
Console> (enable)
```

Related Commands **set kerberos credentials forward**
set kerberos clients mandatory

clear kerberos creds

Use the **clear kerberos creds** command to delete all the Kerberos credentials.

clear kerberos creds

Syntax Description This command has no arguments or keywords.

Defaults Forwarding is disabled by default.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines A user authenticated to a Kerberized switch has a ticket granting ticket (TGT) and can use it to authenticate to a host on the network. This command deletes all Kerberos credentials.

Examples This example shows how to delete all Kerberos credentials:

```
Console> (enable) clear kerberos creds
Console> (enable)
```

Related Commands **set kerberos credentials forward**

clear kerberos realm

Use the **clear kerberos realm** command to clear an entry that is mapping the name of a Kerberos realm to a DNS domain name or a host name.

```
clear kerberos realm {dns-domain | host} kerberos-realm
```

Syntax Description	Parameter	Description
	dns-domain	Keyword that specifies the DNS domain name to map to a Kerberos realm.
	host	Keyword that specifies the IP address or name to map to a Kerberos realm.
	<i>kerberos-realm</i>	The IP address or name of a Kerberos realm.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines The name of the Kerberos realm can sometimes be mapped to a DNS domain name or a host name. This mapping can be done with the **set kerberos realm** command.

Examples This example shows how to clear an entry mapping a kerberos-realm to a domain name:

```
Console> (enable) clear kerberos realm CISCO CISCO.COM
Kerberos DnsDomain-Realm entry CISCO - CISCO.COM deleted
Console> (enable)
```

Related Commands

- set kerberos realm**
- set kerberos local-realm**

■ clear kerberos realm