

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 settings.

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 to clear 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 to specify the Flash file system.
<i>device</i> :	Valid devices include bootflash , slot0 , and slot1 .
<i>filename</i>	(Optional) Filename of the system image on the Flash device.
auto-config	Keyword to specify the auto-config file.

Defaults

This command has no default settings.

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.

This command is supported on the Supervisor Engine III only.

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]
```

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

Defaults This command has no default settings.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines If you enter the **clear cam** command, the EARL 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 settings.

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 [set cgmp](#)
[show cgmp leave](#)
[show cgmp statistics](#)

clear channel statistics

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

clear channel statistics

Syntax Description This command has no arguments or keywords.

Defaults This command has no default settings.

Command Types Switch command.

Command Modes Privileged.

Examples This example shows how to clear CGMP statistical information:

```
Console> (enable) clear channel 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 | rmon | all | snmp | acl {nvram}}
```

Syntax Description

<i>mod</i>	Number of the module.
rmon	Keyword to clear all RMON configurations, including the historyControlTable, the alarmTable, the eventTable, and the ringStation ControlTable.
all	Keyword to clear all module and system configuration information, including the IP address.
snmp	Keyword to clear all SNMP configurations.
acl nvram	Keywords to clear all ACL configurations.

Defaults

This command has no default settings.

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, the IP address and subnet mask on the sc0 interface are set to 0.0.0.0.



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.

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 (supervisor engine):

```
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:

```
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)
```

This example shows how to delete all the SNMP configuration information:

```
Console> (enable) clear config snmp
This command will clear SNMP configuration in NVRAM.
Do you want to continue (y/n) [n]? y
.....
Connection closed by foreign host
host%
```

This example shows how to delete all ACL configuration information from NVRAM:

```
Console> (enable) clear config acl nvram
ACL configuration has been deleted from NVRAM.
Warning:Use the copy commands to save the ACL configuration to a file
and the 'set boot config-register auto-config' commands to configure the
auto-config feature.
Console> (enable)
```

Related Commands

[configure](#)
[show config](#)
[show running-config](#)

clear cops

Use the **clear cops** commands to clear 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 to specify the roles to clear.
	all-roles	Keyword to clear all roles.
	server	Keyword to specify the COPS server.
	all	Keyword to clear all servers.
	<i>ipaddress</i>	IP address or IP alias of the server.
	domain-name	Keyword to clear the domain name of the server.

Defaults This command has no default settings.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines 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

[set cops](#)
[show 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 settings.

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 counters](#)
[show port](#)

clear dot1x config

Use the **clear dot1x config** command to disable dot1x on all ports and return the values to the factory default settings.

clear dot1x config

Syntax Description This command has no keywords or arguments.

Defaults This command has no default settings.

Command Types Switch command.

Command Modes Privileged.

Examples This example shows how to disable dot1x and return the values to the factory default settings:

```
Console> (enable) clear dot1x config
This command will disable Dot1x and take values back to factory default.

Do you want to continue (y/n) [n]? y
Dot1x config cleared.
Console> (enable)
```

Related Commands

- [set dot1x](#)
- [set port dot1x](#)
- [show dot1x](#)
- [show port dot1x](#)

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 settings.

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 gmrp statistics

Use the **clear gmrp statistics** command to clear all the GMRP statistics information from a specified VLAN or all VLANs.

```
clear gmrp statistics {vlan | all}
```

Syntax Description

<i>vlan</i>	Number of the VLAN.
all	Keyword to specify all VLANs.

Defaults

This command has no default settings.

Command Types

Switch command.

Command Modes

Privileged.

Examples

This example shows how to clear GMRP statistical information from all VLANs:

```
Console> (enable) clear gmrp statistics all  
GMRP statistics cleared.  
Console> (enable)
```

This example shows how to clear GMRP statistical information from VLAN 1:

```
Console> (enable) clear gmrp statistics 1  
GMRP statistics cleared from VLAN 1.  
Console> (enable)
```

Related Commands

[show gmrp statistics](#)

clear gvrp statistics

Use the **clear gvrp statistics** command to clear all the GVRP statistics information.

```
clear gvrp statistics {mod/port | all}
```

Syntax Description	
	<i>mod/port</i> Number of the module and port.
	all Keyword to specify all ports.

Defaults This command has no default settings.

Command Types Switch command.

Command Modes Privileged.

Examples This example shows how to clear GVRP statistical information:

```
Console> (enable) clear gvrp statistics all
GVRP statistics cleared for all ports.
Console> (enable)
```

This example shows how to clear GVRP statistical information for module 2, port 1:

```
Console> (enable) clear gvrp statistics 2/1
GVRP statistics cleared on port 2/1.
Console> (enable)
```

Related Commands [show gvrp statistics](#)
[set gvrp](#)

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 settings.

Command Types Switch command.

Command Modes Privileged.

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 to specify that all previously set IP address aliases be deleted.

Defaults This command has no default settings.

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 settings.

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.
all	Keyword to specify all the IP addresses in the DNS server listing be removed.

Defaults This command has no default settings.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines When entering the *ip_addr* value, you can also enter an IP alias or a host name that can be resolved through DNS.

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] [telnet | ssh | snmp | 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.
telnet	(Optional) Keyword to remove the specified IP address from the Telnet IP permit list.
ssh	(Optional) Keyword to remove the specified IP address from the SSH IP permit list.
snmp	(Optional) Keyword to remove the specified IP address from the SNMP IP permit list.
all	(Optional) Keyword to remove the specified IP address from all permit lists.
all	Keyword to remove all entries in the IP permit list.

Defaults This command has no default settings.

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

When entering the *ip_addr* value, you can also enter an IP alias or a host name that can be resolved through DNS.

Examples These examples show different ways 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)
```

clear ip permit

```
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.
	<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.

Usage Guidelines When entering the *ip_addr* value, you can also enter an IP alias or a host name that can be resolved through DNS.

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 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 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 clients mandatory](#)
[set kerberos credentials forward](#)

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 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

<i>dns_domain</i>	DNS domain name to map to a Kerberos realm.
<i>host</i>	Host name.
<i>kerberos_realm</i>	IP address or name (in uppercase characters) of the Kerberos realm.

Defaults

This command has no default settings.

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 server

Use the **clear kerberos server** command to clear a specified KDC entry.

```
clear kerberos server kerberos_realm {hostname | ip_address} [port]
```

Syntax Description	
<i>kerberos_realm</i>	Name of a Kerberos realm.
<i>hostname</i>	Name of host running the KDC.
<i>ip_address</i>	IP address of host running the KDC.
<i>port</i>	Number of the port on the module.

Defaults This command has no default settings.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines You can specify which KDC for the switch to use in a Kerberos realm. This command clears a server entry from the table.

Examples This example shows how to clear a KDC server entered on the switch:

```
Console> (enable) clear kerberos server CISCO.COM 187.0.2.1 750
Kerberos Realm-Server-Port entry CISCO.COM-187.0.2.1-750 deleted
Console> (enable)
```

Related Commands [set kerberos server](#)