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CHAPTER **24**

U Commands

The commands in this chapter apply to the Cisco MDS 9000 Family of multilayer directors and fabric switches. All commands are shown here in alphabetical order regardless of command mode. See [“About the CLI Command Modes”](#) section on page 1-3 to determine the appropriate mode for each command.

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undebug all

To disable all debugging, use the **undebug all** command.

undebug all

Syntax Description This command has no arguments or keywords.

Defaults None.

Command Modes EXEC mode.

Command History	Release	Modification
	1.0(2)	This command was introduced.

Usage Guidelines Use this command to turn off all debugging.

Examples The following example shows how to disable all debugging on the switch:

```
switch# undebug all
```

Related Commands	Command	Description
	no debug all	Also disables all debug commands configured on the switch.
	show debug	Displays all debug commands configured on the switch.

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update license

To update an existing license, use the **update license** command in EXEC mode.

```
update license {url | bootflash: | slot0: | volatile:} filename
```

Syntax Description	update license	Updates an installed, expiring license.
	<i>url</i>	Specifies the URL for the license file to be uninstalled.
	bootflash:	Specifies the license file location in internal bootflash memory.
	slot0:	Specifies the license file in the CompactFlash memory or PCMCIA card.
	volatile:	Specifies the license file in the volatile file system.
	<i>filename</i>	Specifies the name of the license file to update.

Command Modes EXEC mode.

Command History	Release	Modification
	1.3(2)	This command was introduced.

Examples The following example updates a specific license:

```
switch# update license bootflash:sanextn2.lic sanextn1.lic
Updating sanextn1.lic:
SERVER this_host ANY
VENDOR cisco
# An example fcports license
INCREMENT SAN_EXTN_OVER_IP cisco 1.000 permanent 1 HOSTID=VDH=ABCD \
    NOTICE=<LicFileID>san_extn1.lic</LicFileID><LicLineID>0</LicLineID> \
    SIGN=33088E76F668

with bootflash:/sanextn2.lic:
SERVER this_host ANY
VENDOR cisco
# An example fcports license
INCREMENT SAN_EXTN_OVER_IP cisco 1.000 permanent 1 HOSTID=VDH=ABCD \
    NOTICE=<LicFileID>san_extn2.lic</LicFileID><LicLineID>1</LicLineID> \
    SIGN=67CB2A8CCAC2

Do you want to continue? (y/n) y
Updating license ..done
```

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use-profile

To bind a profile to the FCIP interface, use the **use-profile** option. To disable a configured profile, use the **no** form of the option.

use-profile *profile-id*

no use-profile *profile-id*

Syntax Description	<i>profile-id</i>	Specifies the profile ID to be used. The range is 1 to 255.
Defaults	None.	
Command Modes	Interface configuration submode.	
Command History	Release	Modification
	1.1(1)	This command was introduced.
Usage Guidelines	<p>Access this command from the switch(config-if)# submode.</p> <p>This command binds the profile with the FCIP interface.</p>	
Examples	<p>The following example shows how to bind a profile to the FCIP interface:</p> <pre>switch# config terminal switch(config)# interface fcip 50 switch(config-if)# use-profile 100 switch(config-if)# no use-profile 100</pre>	
Related Commands	Command	Description
	show fcip	Displays information about the FCIP profile.
	show interface fcip	Displays an interface configuration for a specified FCIP interface.

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username

To define a user, use the **username** command in configuration mode. Use the **no** form of a command to undo the configuration or revert to factory defaults.

```
username name [expire date | iscsi | password [0 | 5 | 7] user-password [expire date] [role
rolename] | role rolename | ssh-cert-dn distinguished-name {dsa | rsa} | sshkey {key-content |
file filename}]
```

```
no username name [expire date | iscsi | password [0 | 5 | 7] user-password [expire date] [role
rolename] | role rolename | ssh-cert-dn distinguished-name {dsa | rsa} | sshkey {key-content |
file filename}]
```

Syntax Description

<i>name</i>	Specifies the name of the user. Maximum length is 32 characters.
expire <i>date</i>	(Optional) Specifies the date when this user account expires (in YYYY-MM-DD format).
iscsi	(Optional) Identifies an iSCSI user.
password	(Optional) Configures a password for the user. The password is limited to 64 characters. The minimum length is 8 characters.
<i>user-password</i>	Enters the password. Maximum length is 32 characters.
0	(Optional) Specifies that the password is in clear text. Clear text passwords are encrypted before they are saved to the running configuration.
5	(Optional) Specifies that the password is in encrypted format. Encrypted passwords are not changed before they are saved to the running configuration.
7	(Optional) Specifies an encrypted password for the user.
role <i>rolename</i>	(Optional) Specifies the role name of the user. Maximum length is 32 characters.
ssh-cert-dn <i>distinguished-name</i>	(Optional) Specifies the SSH X.509 certificate distinguished name. The maximum size is 512.
dsa	(Optional) Specifies the DSA algorithm.
rsa	(Optional) Specifies the RSA algorithm.
sshkey <i>key_content</i>	(Optional) Specifies the actual contents of the SSH public key in OPENSSH format.
file <i>filename</i>	(Optional) Specifies a file containing the SSH public key either in OPENSSH or IETF SECH or Public Key Certificate in PEM format.

Defaults

None.

Command Modes

Configuration mode.

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Command History

Release	Modification
1.0(2)	This command was introduced.
2.0(x)	<ul style="list-style-type: none"> Removed the update_snmpv3 option. Added level 7 for passwords.
3.0(1)	Added the ssh-cert-dn , dsa , and rsa options.

Usage Guidelines

To change the SNMP password, a clear text CLI password is required. You must know the SNMPv3 password to change the password using the CLI.

The password specified in the **username** command is synchronized as the **auth** and **priv** passphrases for the SNMP user.

Deleting a user using either command results in the user being deleted for both SNMP and CLI.

User-role mapping changes are synchronized in SNMP and CLI.

The SSH X.509 certificate distinguished name (DN) is in fact the subject name in the certificate. You need to extract the subject name from the certificate and specify the subject name as the argument to the **username** command.

Examples

The following example shows how to define a user:

```
switch(config)# username knuckles password testpw role bodega
switch(config)# do show user-account
user:admin
    this user account has no expiry date
    roles:network-admin
user:knuckles
    this user account has no expiry date
    roles:bodega
```

The following example configures the name for a user to log in using iSCSI authentication:

```
switch(config)# username iscsi
```

The following example places you in the mode for the specified role (techdocs). The prompt indicates that you are now in the role configuration submode. This submode is now specific to the techdocs group.

```
switch(config)# role name techdocs
switch(config-role)#
```

The following example deletes the role called techdocs:

```
switch(config)# no role name techdocs
```

The following example assigns a description to the new role. The description is limited to one line and can contain spaces:

```
switch(config-role)# description Entire Tech. Docs. group
```

The following example resets the description for the Tech. Docs. group:

```
switch(config-role)# no description
```

The following example creates or updates the user account (usam) along with a password (abcd) that is set to expire on 2003-05-31:

```
switch(config)# username usam password abcd expire 2003-05-31
```

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The following example creates or updates the user account (msam) along with a password (abcd) specified in clear text (indicated by 0):

```
switch(config)# username msam password 0 abcd role network-operator
```

The following example specifies an encrypted (specified by 5) password (!@*asdfsdfjh!@df) for the user account (user1):

```
switch(config)# username user1 password 5!@*asdfsdfjh!@df
```

The following example adds the specified user (usam) to the network-admin role:

```
switch(config)# username usam role network-admin
```

The following example deletes the specified user (usam) from the vsan-admin role:

```
switch(config)# no username usam role vsan-admin
```

The following example shows how to define a distinguished name on a switch for SSH certificate authentication:

```
switch# config t
switch(config)# username knuckles ssh-cert-dn /CN=excal-1.cisco.com rsa
switch(config)# do show user-account
user:admin
    this user account has no expiry date
    roles:network-admin
user:knuckles
    this user account has no expiry date
    roles:network-operator
    ssh cert DN : /CN=excal-1.cisco.com; Algo: x509v3-sign-rsa
```

The following example specifies the SSH X.509 certificate distinguished name and DSA algorithm for an existing user account (usam):

```
switch(config)# username usam ssh-cert-dn usam-dn dsa
```

The following example specifies the SSH X.509 certificate distinguished name and RSA algorithm for an existing user account:

```
switch(config)# username user1 ssh-cert-dn user1-dn rsa
```

The following example deletes the SSH X.509 certificate distinguished name for the user account:

```
switch(config)# no username admin ssh-cert-dnadmin-dn dsa
```

The following example identifies the contents of the SSH key for the specified user (usam):

```
switch(config)# username usam sshkey fsafsd2344234234ffgsdfg
```

The following example deletes the SSH key content identification for the user (usam):

```
switch(config)# no username usam sshkey fsafsd2344234234ffgsdfgffsdfsfsfssf
```

The following example updates the SNMPv3 password for the specified user (joe). The local CLI password and the SNMP password are updated. If user Joe does not exist, the command fails:

```
switch(config)# username joe password wxyz6789 update-snmpv3 abcd1234
```

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Related Commands	Command	Description
	role	Configures user roles.
	show username	Displays user name information.

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username (iSCSI initiator configuration and iSLB initiator configuration)

To assign a username for iSCSI login authentication, use the **username** command in iSCSI initiator configuration submode. To assign a username for iSLB login authentication, use the **username** command in iSLB initiator configuration submode. To disable this feature, use the **no** form of the command.

username *username*

no username *username*

Syntax Description	<i>username</i>	Specifies the username for iSCSI or iSLB login authentication.
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Defaults	None.
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Command Modes	iSCSI initiator configuration submode. iSLB initiator configuration submode.
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Command History	Release	Modification
	1.3(2)	This command was introduced.
	3.0(1)	Added iSLB initiator configuration submode.

Usage Guidelines	None.
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Examples	The following example assigns the username for iSCSI login authentication of an iSCSI initiator:
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```
switch# config terminal
Enter configuration commands, one per line. End with CNTL/Z.
switch(config)# iscsi initiator name iqn.1987-02.com.cisco.initiator
switch(config-iscsi-init)# username iSCSIloginUsername
switch(config-iscsi-init)#
```

The following example assigns the username tester for iSLB login authentication of an iSLB initiator:

```
switch# config t
switch(config)# islb initiator ip-address 100.10.10.10
switch(config-iscsi-islb-init)# username ?
  <WORD> Enter username <Max Size - 32>
switch(config-iscsi-islb-init)# username tester
```

The following example removes the username tester for an iSLB initiator:

```
switch (config-iscsi-islb-init)# no username tester
```

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Related Commands	Command	Description
	iscsi initiator name	Assigns an iSCSI name and changes to iSCSI initiator configuration submode.
	islb initiator	Assigns an iSLB name and IP address to the iSLB initiator and enters iSLB initiator configuration submode.
	show iscsi initiator	Displays information about a configured iSCSI initiator.
	show iscsi initiator configured	Displays iSCSI initiator information for the configured iSCSI initiator.
	show iscsi initiator detail	Displays detailed iSCSI initiator information.
	show iscsi initiator summary	Displays iSCSI initiator summary information.
	show islb initiator	Displays iSLB initiator information.
	show islb initiator configured	Displays iSLB initiator information for the configured iSLB initiator.
	show islb initiator detail	Displays detailed iSLB initiator information.
	show islb initiator summary	Displays iSLB initiator summary information.