



U Commands

This chapter describes the Cisco NX-OS security commands that begin with U.

use-vrf

To specify a virtual routing and forwarding instance (VRF) name for a RADIUS or TACACS+ server group, use the **use-vrf** command. To remove the VRF name, use the **no** form of this command.

use-vrf *vrf-name*

no use-vrf *vrf-name*

Syntax Description	<i>vrf-name</i> VRF name. The name is case sensitive.				
Defaults	None				
Command Modes	RADIUS server group configuration TACACS+ server group configuration				
SupportedUserRoles	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>	Release	Modification	4.0(1)	This command was introduced.
Release	Modification				
4.0(1)	This command was introduced.				
Usage Guidelines	You can configure only one VRF instance for a server group. Use the aaa group server radius command RADIUS server group configuration mode or the aaa group server tacacs+ command to enter TACACS+ server group configuration mode.				

Send document comments to nexus7k-docfeedback@cisco.com

If the server is not found, use the **radius-server host** command or **tacacs-server host** command to configure the server.



Note

You must use the **feature tacacs+** command before you configure TACACS+.

This command does not require a license.

Examples

This example shows how to specify a VRF name for a RADIUS server group:

```
switch# config t
switch(config)# aaa group server radius RadServer
switch(config-radius)# use-vrf vrf1
```

This example shows how to specify a VRF name for a TACACS+ server group:

```
switch# config t
switch(config)# feature tacacs+
switch(config)# aaa group server tacacs+ TacServer
switch(config-tacacs+)# use-vrf vrf2
```

This example shows how to remove the VRF name from a TACACS+ server group:

```
switch# config t
switch(config)# feature tacacs+
switch(config)# aaa group server tacacs+ TacServer
switch(config-tacacs+)# no use-vrf vrf2
```

Related Commands

Command	Description
aaa group server	Configures AAA server groups.
radius-server host	Configures a RADIUS server.
show radius-server groups	Displays RADIUS server information.
show tacacs-server groups	Displays TACACS+ server information.
feature tacacs+	Enables TACACS+.
tacacs-server host	Configures a TACACS+ server.
vrf	Configures a VRF instance.

Send document comments to nexus7k-docfeedback@cisco.com

username

To create and configure a user account in a virtual device context (VDC), use the **username** command. To remove a user account, use the **no** form of this command.

username *user-id* [**expire** *date*] [**password** [**0** | **5**] *password*] [**role** *role-name*]

no username *user-id*

Syntax Description

<i>user-id</i>	User identifier for the user account. The <i>user-id</i> argument is a case-sensitive, alphanumeric character string with a maximum length of 28 characters.
expire <i>date</i>	(Optional) Specifies the expire date for the user account. The format for the <i>date</i> argument is YYYY-MM-DD.
password	(Optional) Specifies a password for the account. The default is no password.
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.
<i>password</i>	Password string. The password is alphanumeric, case sensitive, and has a maximum of 64 characters. Note Clear text passwords cannot contain dollar signs (\$) or spaces anywhere in the password. Also, they cannot include these special characters at the beginning of the password: quotation marks (" or '), vertical bars (), or right angle brackets (>).
role <i>role-name</i>	(Optional) Specifies the user role. The <i>role-name</i> argument is case sensitive.

Defaults

Unless specified, usernames have no expiration date or password.

In the default virtual device context (VDC), the default role is network-operator if the creating user has the network-admin role, or the default role is vdc-operator if the creating user has the vdc-admin role.

In nondefault VDCs, the default user role is vdc-operator.

Command Modes

Global configuration

Supported User Roles

network-admin
vdc-admin

Command History

Release	Modification
4.0(1)	This command was introduced.

Send document comments to nexus7k-docfeedback@cisco.com

Usage Guidelines

The NX-OS software creates two default user accounts in the VDC: admin and adminbackup. The nondefault VDCs have one default user account: admin. You cannot remove a default user account.

User accounts are local to the VDCs. You can create user accounts with the same user identifiers in different VDCs.

The NX-OS software accepts only strong passwords when you have password-strength checking enabled using the **password strength-check** command. The characteristics of a strong password include the following:

- At least eight characters long
- Does not contain many consecutive characters (such as “abcd”)
- Does not contain many repeating characters (such as “aaabbb”)
- Does not contain dictionary words
- Does not contain proper names
- Contains both uppercase and lowercase characters
- Contains numbers



Caution

If you do not specify a password for the user account, the user might not be able to log in to the account.

This command does not require a license.

Examples

This example shows how to create a user account with a password and a user role:

```
switch# config t
switch(config)# username luser1 password Ci5co321 role vdc-admin
```

Related Commands

Command	Description
password strength-check	Checks the password security strength.
show user-account	Displays the user account configuration.