A Commands

This chapter describes the Cisco Nexus 1000V commands that begin with A.

aaa authentication login console

To configure AAA authentication methods for console logins, use the **aaa authentication login console** command. To revert to the default, use the **no** form of this command.

aaa authentication login console {**group** *group-list*} [**none**] | **local** | **none**}

no aaa authentication login console {**group** *group-list* [**none**] | **local** | **none**}

Syntax Description

group	Specifies to use a server group for authentication.
group-list	Specifies a space-separated list of server groups. The list can include the following: • **radius** for all configured RADIUS servers. • **tacacs+** for all configured TACACS+ servers. • Any configured RADIUS or TACACS+ server group name.
none	Specifies to use the username for authentication.
local	Specifies to use the local database for authentication.

Defaults

local

Command Modes

Global Configuration (config)

SupportedUserRoles

network-admin

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Command History

Release	Modification
4.0(4)SV1(1)	This command was introduced.

Usage Guidelines

The **group radius, group tacacs+**, and **group** *group-list* methods refer to a set of previously defined RADIUS or TACACS+ servers. Use the **radius-server host** or **tacacs-server host** command to configure the host servers. Use the **aaa group server** command to create a named group of servers.

Use the **show aaa group** command to display the RADIUS server groups on the device.

If you specify more that one server group, the software checks each group in the order that you specify in the list.

If you specify the **group** method or **local** method and they fail, then the authentication can fail. If you specify the **none** method alone or after the **group** method, then the authentication always succeeds.

The command operates only in the default VDC (VDC 1).

Examples

This example shows how to configure the AAA authentication console login methods:

```
n1000v# config t
n1000v(config)# aaa authentication login console group radius
```

This example shows how to revert to the default AAA authentication console login method:

```
n1000v# config t
n1000v(config)# no aaa authentication login console group radius
```

Related Commands

Command	Description
aaa group server	Configures AAA server groups.
radius-server host	Configures RADIUS servers.
show aaa authentication	Displays AAA authentication information.
show aaa group	Displays the AAA server groups.
tacacs-server host	Configures TACACS+ servers.

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aaa authentication login default

To configure the default AAA authentication methods, use the **aaa authentication login default** command. To revert to the default, use the **no** form of this command.

aaa authentication login default {**group** *group-list*} [**none**] | **local** | **none**}

no aaa authentication login default {**group** *group-list* [**none**] | **local** | **none**}

Syntax Description

group	Specifies a server group list to be used for authentication.
group-list	Space-separated list of server groups that can include the following: • **radius** for all configured RADIUS servers. • **tacacs+** for all configured TACACS+ servers. • Any configured RADIUS or TACACS+ server group name.
none	(Optional) Specifies to use the username for authentication.
local	Specifies to use the local database for authentication.

Defaults

local

Command Modes

Global Configuration (config)

SupportedUserRoles

network-admin

Command History

Release	Modification
4.0(4)SV1(1)	This command was introduced.

Usage Guidelines

The **group radius, group tacacs+**, and **group** *group-list* methods refer to a set of previously defined RADIUS or TACACS+ servers. Use the **radius-server host** or **tacacs-server host** command to configure the host servers. Use the **aaa group server** command to create a named group of servers.

Use the **show aaa group** command to display the RADIUS server groups on the device.

If you specify more that one server group, the software checks each group in the order that you specify in the list.

If you specify the **group** method or **local** method and they fail, then the authentication fails. If you specify the **none** method alone or after the **group** method, then the authentication always succeeds.

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Examples

This example shows how to configure the AAA authentication console login method:

```
n1000v# config t
n1000v(config)# aaa authentication login default group radius
```

This example shows how to revert to the default AAA authentication console login method:

```
n1000v# config t
n1000v(config)# no aaa authentication login default group radius
```

Related Commands

Command	Description
aaa group server	Configures AAA server groups.
radius-server host	Configures RADIUS servers.
show aaa authentication	Displays AAA authentication information.
show aaa group	Displays the AAA server groups.
tacacs-server host	Configures TACACS+ servers.

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aaa authentication login error-enable

To configure an AAA authentication failure message to display on the console, use the **aaa authentication login error-enable** command. To remove the error message, use the **no** form of this command.

aaa authentication login error-enable

no aaa authentication login error-enable

Syntax Description

This command has no arguments or keywords.

Defaults

Disabled

Command Modes

Global Configuration (config)

SupportedUserRoles

network-admin

Command History

Release	Modification
4.0(4)SV1(1)	This command was introduced.

Usage Guidelines

If none of the remote AAA servers respond when a user logs in, the authentication is processed by the local user database. If you have enabled the display, one of the following message is generated for the user:

```
Remote AAA servers unreachable; local authentication done.
Remote AAA servers unreachable; local authentication failed.
```

Examples

This example shows how to enable the display of AAA authentication failure messages to the console:

```
n1000v# config t
n1000v(config)# aaa authentication login error-enable
```

This example shows how to disable the display of AAA authentication failure messages to the console:

```
n1000v# config t
n1000v(config)# no aaa authentication login error-enable
```

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Related Commands

Command	Description
show aaa authentication login error-enable	Displays the status of the AAA authentication failure message display.

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aaa authentication login mschap

To enable Microsoft Challenge Handshake Authentication Protocol (MSCHAP) authentication at login, use the **aaa authentication login mschap** command. To disable MSCHAP, use the **no** form of this command.

aaa authentication login mschap

no aaa authentication login mschap

Syntax Description

This command has no arguments or keywords.

Defaults

Disabled

Command Modes

Global Configuration (config)

SupportedUserRoles

network-admin

Command History

Release	Modification
4.0(4)SV1(1)	This command was introduced.

Usage Guidelines

Examples

This example shows how to enable MSCHAP authentication:

```
n1000v# config t
n1000v(config)# aaa authentication login mschap
```

This example shows how to disable MSCHAP authentication:

```
n1000v# config t
n1000v(config)# no aaa authentication login mschap
```

Related Commands

Command	Description
show aaa authentication login mschap	Displays the status of MSCHAP authentication.

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aaa group server radius

To create a RADIUS server group, use the **aaa group server radius** command. To delete a RADIUS server group, use the **no** form of this command.

aaa group server radius *group-name*

no aaa group server radius *group-name*

Syntax Description

group-name	RADIUS server group name.The name is alphanumeric and case-sensitive. The maximum length is 64 characters.

Defaults

None

Command Modes

Global Configuration (config)

SupportedUserRoles

network-admin

Command History

Release	Modification
4.0(4)SV1(1)	This command was introduced.

Usage Guidelines

Examples

This example shows how to create a RADIUS server group and enter RADIUS Server Configuration mode for configuring the specified server group:

```
n1000v# config t
n1000v(config)# aaa group server radius RadServer
n1000v(config-radius)#
```

This example shows how to delete a RADIUS server group:

```
n1000v# config t
n1000v(config)# no aaa group server radius RadServer
```

Related Commands

Command	Description
show aaa groups	Displays server group information.
radius-server host	Defines the IP address or hostname for a RADIUS server.

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aaa group server tacacs+

To create a TACACS+ server group, use the **aaa group server tacacs+** command. To delete a TACACS+ server group, use the **no** form of this command.

aaa group server tacacs+ *group-name*

no aaa group server tacacs+ *group-name*

Syntax Description

group-name	TACACS+ server group name. The name is alphanumeric and case-sensitive. The maximum length is 64 characters.

Defaults

None

Command Modes

Global Configuration (config)

SupportedUserRoles

network-admin

Command History

Release	Modification
4.0(4)SV1(1)	This command was introduced.

Usage Guidelines

You must enable TACACS+ using the **tacacs+ enable** command before you can configure TACACS+.

Examples

This example shows how to create a TACACS+ server group:

```
n1000v# config t
n1000v(config)# aaa group server tacacs+ TacServer
n1000v(config-radius)#
```

This example shows how to delete a TACACS+ server group:

```
n1000v# config t
n1000v(config)# no aaa group server tacacs+ TacServer
```

Related Commands

Command	Description
tacacs+ enable	Enables TACACS+.
show aaa groups	Displays server group information.

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