

Role Configuration Mode Commands

Role configuration mode commands allow you to define various rules for users who are assigned a role and optionally, to describe a role definition. Roles determine the privileges that a user has, the commands a user can enter, and the actions that a user can perform in a particular context.

To assign a role and access role configuration mode, enter the **role** command in configuration mode. The CLI prompt changes to (config-role). For information about the commands in role configuration mode, see the commands in this section. Use the **no** form of the **role** command to remove the user role assignment.

role *name*

no role *name*

Syntax Description

<i>name</i>	Identifier associated with a user role. Enter an unquoted text string with no spaces and a maximum of 64 alphanumeric characters.
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Command Modes

Configuration mode
Admin and user contexts

Command History

Release	Modification
A1(7)	This command was introduced.

Usage Guidelines

The commands in this mode require the context Admin user role. For details about role-based access control (RBAC) and user roles, see the *Cisco 4700 Series Application Control Engine Appliance Virtualization Configuration Guide*.

If you do not assign a user role to a new user, the default user role is Network-Monitor. For users that you create in the Admin context, the default scope of access is the entire device. For users that you create in other contexts, the default scope of access is the entire context. If you need to restrict a user's access, you must assign a role-domain pair using the **(config) username** command.

Examples

To assign a role, enter:

```
host1/C1(config)# role TECHNICIAN
host1/C1(config-role)#
```

To remove the role from the configuration, enter:

```
host1/C1(config)# no role TECHNICIAN
```

Related Commands

This command has no related commands.

(config-role) description

To enter a description for the role, use the **description** command. Use the **no** form of the command to remove the role description from the configuration.

description *text*

no description

Syntax Description	<i>text</i>	Description for the role. Enter a description as an unquoted text string with a maximum of 240 alphanumeric characters.
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Command Modes	Role configuration mode Admin and user contexts
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Command History	Release	Modification
	A1(7)	This command was introduced.

Usage Guidelines	This command has no usage guidelines.
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Examples This example shows how to provide an additional description about a role:

```
host1/C1(config-role)# description DEFINES TECHNICIAN ROLE
```

To remove the description from the configuration, enter:

```
host1/C1(config)# no description DEFINES TECHNICIAN ROLE
```

Related Commands	This command has no related commands.
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(config-role) rule

To assign privileges on a per-feature basis to a role, use the **rule** command. You can limit the features that a user has access to and the commands that the user can enter for that feature by configuring rules for roles. Use the **no** form of the command to remove the rule from a user role.

```
rule number {{ permit | deny } { create | modify | debug | monitor } [ feature { AAA | access-list | config-copy | connection | dhcp | fault-tolerant | inspect | interface | loadbalance | nat | pki | probe | real-inservice | routing | rserver | serverfarm | sticky | syslog | vip } ] }
```

```
no rule number {{ permit | deny } { create | modify | debug | monitor } [ feature { AAA | access-list | config-copy | connection | dhcp | fault-tolerant | inspect | interface | loadbalance | nat | pki | probe | real-inservice | routing | rserver | serverfarm | sticky | syslog | vip } ] }
```

Syntax Description

<i>number</i>	Identifier of the rule and order of precedence. Enter a unique integer from 1 to 16. The rule number determines the order in which the ACE applies the rules, with a higher-numbered rule applied after a lower-numbered rule.
permit	Allows the role to perform the operations defined by the rest of the command keywords.
deny	Disallows the role to perform the operations defined by the rest of the command keywords.
create	Specifies commands for the creation of new objects or the deletion of existing objects (includes modify , debug , and monitor commands).
debug	Specifies commands for debugging problems (includes monitor commands).
modify	Specifies commands for modifying existing configurations (includes debug and monitor commands).
monitor	Specifies commands for monitoring resources and objects (show commands).
feature	(Optional) Specifies a particular ACE feature for which you are configuring this rule. The available features are listed below.
AAA	Specifies commands for authentication, authorization, and accounting.
access-list	Specifies commands for access control lists (ACLs). Includes ACL configuration, class maps for ACLs, and policy maps that contain ACL class maps.
config-copy	Specifies commands for copying the running-config to the startup-config, startup-config to the running-config, and copying both config files to the Flash disk (disk0:) or a remote server.
connection	Specifies commands for network connections.
dhcp	Specifies commands for Dynamic Host Configuration Protocol (DHCP).
fault-tolerant	Specifies commands for redundancy.
inspect	Specifies commands for packet inspection used in data-center security.
interface	Specifies all interface commands.
loadbalance	Specifies commands for load balancing (including the application acceleration and optimization functions). Allows adding a load-balancing action in a policy map.

nat	Specifies commands for Network Address Translation (NAT) associated with a class map in a policy map used in data-center security.
pki	Specifies commands for Public Keyword Infrastructures (PKIs).
probe	Specifies commands for keepalives for real servers.
real-inservice	Specifies commands for placing a real server in service.
routing	Specifies all commands for routing, both global and per interface.
rserver	Specifies commands for physical servers.
serverfarm	Specifies commands for server farms.
sticky	Specifies commands for server persistence.
syslog	Specifies the system logging facility setup commands.
vip	Specifies commands for virtual IP addresses.

Command Modes Role configuration mode.

Command History	Release	Modification
	A1(7)	This command was introduced.

Usage Guidelines This command has no usage guidelines.

Examples To configure a rule that allows a role to create and configure real servers, enter:

```
host1/C1(config-role)# rule 1 permit create rserver
```

To remove the rule from a role, enter:

```
host1/C1(config-role)# no rule 1 permit create rserver
```

Related Commands This command has no related commands.