ACS Group-of-Ruledefs Configuration Mode Commands

The ACS Group-of-Ruledefs Configuration Mode is used to configure groups of rule definitions (ruledefs).

Important A maximum of 384 group-of-ruledefs can be configured.

Command Modes

Exec > ACS Configuration > ACS Group-of-Ruledefs Configuration

active-charging service *service_name* > **group-of-ruledefs** *group_name*

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-acs-group-of-ruledefs)#
```

Important The commands or keywords/variables that are available are dependent on platform type, product version, and installed license(s).

- add-ruledef, on page 1
- dynamic-command, on page 2
- end, on page 3
- exit, on page 4
- group-of-ruledefs-application, on page 4

add-ruledef

This command allows you to add or remove ruledefs from a group-of-ruledefs.

Important A maximum of 384 ruledefs can be added to a group-of-ruledefs.

Product

ACS

Privilege

Security Administrator, Administrator

Command Modes

Exec > ACS Configuration > ACS Group-of-Ruledefs Configuration

active-charging service *service_name* **> group-of-ruledefs** *group_name*

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-acs-group-of-ruledefs)#
```

Syntax Description

add-ruledef priority *ruledef_priority* **ruledef** *ruledef_name*
no add-ruledef priority *ruledef_priority*

no

If previously configured, specifies that the ruledef associated with the specified priority number be removed from the current group-of-ruledefs.

priority *ruledef_priority*

Specifies priority of the ruledef in the current group-of-ruledefs.

ruledef_priority must be unique in the group-of-ruledefs, and must be an integer from 1 through 10000.

ruledef *ruledef_name*

Specifies name of the ruledef to add to the current group-of-ruledefs.

ruledef_name must be the name of an ACS ruledef, and must be an alpha and/or numeric string of 1 through 63 characters.

Usage Guidelines

Use this command to add/remove ruledefs from a group-of-ruledefs.

A group-of-ruledefs can contain optimizable ruledefs. Whether a group is optimized or not is decided on whether all the ruledefs in the group-of-ruledefs can be optimized, and if the group is included in a rulebase that has optimization turned on, then the group will be optimized.

When a new ruledef is added, it is checked if it is included in any group-of-ruledefs, and whether it needs to be optimized, etc.

Warning Deletion or addition of the same rule name and/or priority must be done with some amount of time lag.

Example

The following command adds the ruledef *ruledef23* to the current group-of-ruledefs, and assigns it a priority of *3*:

add-ruledef priority 3 ruledef ruledef23

dynamic-command

This command allows you to add or remove dynamic commands from a group-of-ruledefs.

Product

ACS

CF

Privilege

Security Administrator, Administrator

Command Modes

Exec > ACS Configuration > ACS Group-of-Ruledefs Configuration

active-charging service *service_name* **> group-of-ruledefs** *group_name*

Entering the above command sequence results in the following prompt:

`[local]host_name(config-acs-group-of-ruledefs)#`

Syntax Description

dynamic-command content-filtering category policy-id *policy_id*
no dynamic-command content-filtering category policy-id

no

Specifies to remove dynamic command configuration from the current group-of-ruledefs.

content-filtering category policy-id *policy_id*

Specifies the dynamic command for Content Filtering Category Policy ID configuration.

policy_id must be a Content Filtering Category Policy ID, and must be an integer from 1 through 4294967295.

Usage Guidelines

Use this command to add a dynamic command to a group-of-ruledefs, which will be executed when a dynamic protocol specifies that group-of-ruledefs (via the Rulebase-Name AVP).

Important This release supports only one command option, which is **dynamic-command content-filtering category policy-id** *policy_id*

Example

The following command configures a dynamic command for Content Filtering Category Policy ID configuration using the policy ID *100*:

dynamic-command content-filtering category policy-id 100

end

Exits the current configuration mode and returns to the Exec mode.

Product

All

Privilege

Security Administrator, Administrator

Syntax Description

end

Usage Guidelines Use this command to return to the Exec mode.

exit

Exits the current mode and returns to the parent configuration mode.

Product All

Privilege Security Administrator, Administrator

Syntax Description

```
exit
```

Usage Guidelines Use this command to return to the parent configuration mode.

group-of-ruledefs-application

This command allows you to specify the purpose of setting up a group-of-ruledefs as either charging, post-processing, or for other purposes.

Product ACS

Privilege Security Administrator, Administrator

Command Modes Exec > ACS Configuration > ACS Group-of-Ruledefs Configuration

active-charging service *service_name* **> group-of-ruledefs** *group_name*

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-acs-group-of-ruledefs)#
```

Syntax Description

```
group-of-ruledefs-application { charging | content-filtering | gx-alias
| post-processing | tpo }
no group-of-ruledefs-application
```

no

If previously configured, deletes the group-of-ruledefs-application configuration from the current group-of-ruledefs.

charging

Specifies that the current group-of-ruledefs is for charging purposes.

content-filtering

Specifies that the current group-of-ruledefs is for content-filtering purposes.

gx-alias

Specifies that the current group-of-ruledefs is for Gx-alias purposes.

post-processing

Specifies that the current group-of-ruledefs is for post-processing purposes, that is, for use by the **post-processing** CLI command or automatic name-matching to the Diameter Filter-Id AVPs.

tpo

Important The Traffic Performance Optimization (TPO) in-line service is not supported in this release.

Usage Guidelines

Use this command to specify the purpose of setting up a group-of-ruledefs. If not specified, by default the rule-application type will be charging.

If the group-of-ruledefs-application is configured for content-filtering, no ruledef can be added to it. Similarly, if configured explicitly for charging or post-processing, a content-filtering policy cannot be configured in it.

The group-of-ruledefs may be dynamically selected by Diameter, as described by the **policy-control charging-rulebase-name** command in the Active Charging Service Configuration Mode. If so selected, the priority field of the add-ruledef instances within the group-of-ruledefs are ignored, and all of the rules named by the ruledef keyword that are also configured with the same name in the **action** command are selected.

Example

The following command configures the current group-of-ruledefs as for post-processing purposes:

```
group-of-ruledefs-application post-processing
```