



ACS Group-of-Ruledefs Configuration Mode Commands

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



Important

In 14.1 and earlier releases, a maximum of 64 group-of-ruledefs can be configured. In 15.0 and later releases, a maximum of 128 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).

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add-ruledef

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



Important

A maximum of 128 ruledefs can be added to a group-of-ruledefs.

Product

ACS

Privilege	Security Administrator, Administrator
Command Modes	<p>Exec > ACS Configuration > ACS Group-of-Ruledefs Configuration</p> <p>active-charging service <i>service_name</i> > group-of-ruledefs <i>group_name</i></p> <p>Entering the above command sequence results in the following prompt:</p> <pre>[local]host_name(config-acs-group-of-ruledefs)#</pre>
Syntax Description	<p>add-ruledef priority <i>ruledef_priority</i> ruledef <i>ruledef_name</i></p> <p>no add-ruledef priority <i>ruledef_priority</i></p> <p>no</p> <p>If previously configured, specifies that the ruledef associated with the specified priority number be removed from the current group-of-ruledefs.</p> <p>priority ruledef_priority</p> <p>Specifies priority of the ruledef in the current group-of-ruledefs.</p> <p><i>ruledef_priority</i> must be unique in the group-of-ruledefs, and must be an integer from 1 through 10000.</p> <p>ruledef ruledef_name</p> <p>Specifies name of the ruledef to add to the current group-of-ruledefs.</p> <p><i>ruledef_name</i> must be the name of an ACS ruledef, and must be an alpha and/or numeric string of 1 through 63 characters.</p>
Usage Guidelines	<p>Use this command to add/remove ruledefs from a group-of-ruledefs.</p> <p>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.</p> <p>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.</p> <p>Example</p> <p>The following command adds the ruledef <i>ruledef23</i> to the current group-of-ruledefs, and assigns it a priority of 3:</p> <pre>add-ruledef priority 3 ruledef ruledef23</pre>

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	<p>Exec > ACS Configuration > ACS Group-of-Ruledefs Configuration</p> <p>active-charging service <i>service_name</i> > group-of-ruledefs <i>group_name</i></p> <p>Entering the above command sequence results in the following prompt:</p> <pre>[local]host_name(config-acs-group-of-ruledefs) #</pre>
Syntax Description	<p>dynamic-command content-filtering category policy-id <i>policy_id</i></p> <p>no dynamic-command content-filtering category policy-id</p> <p>no</p> <p>Specifies to remove dynamic command configuration from the current group-of-ruledefs.</p> <p>content-filtering category policy-id <i>policy_id</i></p> <p>Specifies the dynamic command for Content Filtering Category Policy ID configuration.</p> <p><i>policy_id</i> must be a Content Filtering Category Policy ID, and must be an integer from 1 through 4294967295.</p>
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	<p>Exec > ACS Configuration > ACS Group-of-Ruledefs Configuration</p> <p>active-charging service <i>service_name</i> > group-of-ruledefs <i>group_name</i></p> <p>Entering the above command sequence results in the following prompt:</p> <pre>[local]host_name(config-acs-group-of-ruledefs)#</pre>
Syntax Description	<p>group-of-ruledefs-application { charging content-filtering gx-alias post-processing tpo }</p> <p>no group-of-ruledefs-application</p> <p>no</p> <p>If previously configured, deletes the group-of-ruledefs-application configuration from the current group-of-ruledefs.</p> <p>charging</p> <p>Specifies that the current group-of-ruledefs is for charging purposes.</p> <p>content-filtering</p> <p>Specifies that the current group-of-ruledefs is for content-filtering purposes.</p> <p>gx-alias</p> <p>Specifies that the current group-of-ruledefs is for Gx-alias purposes.</p>

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
```

 **group-of-ruledefs-application**