



# 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).

- [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 128 ruledefs can be added to a group-of-ruledefs.

## Product

ACS

<b>Privilege</b>	Security Administrator, Administrator
<b>Command Modes</b>	Exec > ACS Configuration > ACS Group-of-Ruledefs Configuration <b>active-charging service</b> <i>service_name</i> > <b>group-of-ruledefs</b> <i>group_name</i> Entering the above command sequence results in the following prompt: <pre>[local]host_name(config-acs-group-of-ruledefs)#</pre>
<b>Syntax Description</b>	<p><b>add-ruledef</b> <b>priority</b> <i>ruledef_priority</i> <b>ruledef</b> <i>ruledef_name</i>  <b>no add-ruledef</b> <b>priority</b> <i>ruledef_priority</i></p> <p><b>no</b></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><b>priority</b> <i>ruledef_priority</i></p> <p>Specifies priority of the ruledef in the current group-of-ruledefs.  <i>ruledef_priority</i> must be unique in the group-of-ruledefs, and must be an integer from 1 through 10000.</p> <p><b>ruledef</b> <i>ruledef_name</i></p> <p>Specifies name of the ruledef to add to the current group-of-ruledefs.  <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>

<b>Usage Guidelines</b>	<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>
-------------------------	--



**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.

<b>Product</b>	ACS CF
<b>Privilege</b>	Security Administrator, Administrator
<b>Command Modes</b>	Exec > ACS Configuration > ACS Group-of-Ruledefs Configuration <b>active-charging service</b> <i>service_name</i> > <b>group-of-ruledefs</b> <i>group_name</i> Entering the above command sequence results in the following prompt: [local]host_name(config-acs-group-of-ruledefs) #
<b>Syntax Description</b>	<b>dynamic-command content-filtering category policy-id</b> <i>policy_id</i> <b>no dynamic-command content-filtering category policy-id</b>  <b>no</b> Specifies to remove dynamic command configuration from the current group-of-ruledefs.  <b>content-filtering category policy-id</b> <i>policy_id</i> Specifies the dynamic command for Content Filtering Category Policy ID configuration. <i>policy_id</i> must be a Content Filtering Category Policy ID, and must be an integer from 1 through 4294967295.
<b>Usage Guidelines</b>	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).



<b>Important</b>	This release supports only one command option, which is <b>dynamic-command content-filtering category policy-id</b> <i>policy_id</i>
------------------	--

### 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.

<b>Product</b>	All
<b>Privilege</b>	Security Administrator, Administrator
<b>Syntax Description</b>	<b>end</b>

**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
```

