

# 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).


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# 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
```