HD Storage Policy Configuration Mode Commands

The HD Storage Policy Configuration Mode is used to configure directory name and file parameters for Diameter record files being stored on the HD storage device.

Command Modes   Exec > Global Configuration > HD Storage Policy Configuration

configure > hd storage-policy *policy_name*

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-hd-storage-policy)#
```

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

directory

Configures the name of the directory on the HD storage drive where Diameter records are stored.

Product   HSGW

P-GW

SAEGW

S-GW

Privilege   Administrator

Command Modes   Exec > Global Configuration > HD Storage Policy Configuration

configure > hd storage-policy *policy_name*

end

Entering the above command sequence results in the following prompt:

`[local]`*host_name*`(config-hd-storage-policy)#`

Syntax Description

```
directory name dir_name
default directory name
```

default

Returns the command to its default setting of using the policy name as the directory name.

name *dir_name*

Specifies the name to be applied to the directory. *dir_name* must be an alphanumeric string of 1 through 63 characters.

When configured, the actual directory path is:

`/hd-raid/records/<record-type>/<dir_name>/`

So if the directory name variable is entered as "*sgwpgw*", the path is:

`/hd-raid/records/acr/`**`sgwpgw`**

Usage Guidelines

Use this command to name a directory on the HD storage drive where Diameter records are to be stored.

Example

The following command configures a directory named *cdr1*:

```
directory name cdr1
```

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.

file

Configures file parameters for Diameter records being stored on the HD storage device.

Product	HSGW
	P-GW
	SAEGW
	S-GW

Privilege	Administrator

Command Modes	Exec > Global Configuration > HD Storage Policy Configuration

configure > hd storage-policy *policy_name*

Entering the above command sequence results in the following prompt:

`[local]`*host_name*`(config-hd-storage-policy)#`

Syntax Description	`file { format acr { custom1...custom10 }	name { extension` *string* `| prefix` *string* `}	rotation { record-count` *num* `| time-interval` *sec* `| volume mb` *mbytes* `} }`

`default file { format acr | name prefix | rotation { record-count | time-interval | volume } }`
`no file ( extension | rotation { record-count | time-interval } }`

default

Returns the command to the default settings for the specified keywords.

no

Removes the configuration for the specified parameters.

format acr { custom1...custom10 }

Default: **custom1**

Specifies the file format used when storing records on the HD storage device. **custom1** is a vendor-specific file format.

name { extension *string* | prefix *string* }

Specifies a string to be pre-pended or appended to the filenames. By default, the policy name is used for the prefix.

extension *string*: Specifies a file extension to append to the filename. *string* must be an alphanumeric string of 1 through 10 characters.

prefix *string*: Specifies a file prefix to append to the filename. *string* must be an alphanumeric string of 1 through 63 characters. This parameter replaces the policy name used by default.

rotation { record-count *num* | time-interval *sec* | volume mb *mbytes* }

Specifies the triggers that prompt file rotation on the HD storage drive. All options can be configured and upon reaching any of the thresholds, file rotation is initiated.

record-count *num*: File rotation occurs when the number of records reaches the number configured in this keyword. *num* must be an integer from 1000 through 65000. Default = 10000

time-interval *sec*: File rotation occurs at time intervals (in seconds) configured by this keyword. *sec* must be an integer from 30 through 86400. Default = 3600 (1 hour)

volume mb *mbytes*: File rotation occurs when the record volume exceeds the value (in megabytes) configured by this keyword. *mbytes* must be an integer from 2 through 40. Default = 4

Usage Guidelines   Use this command to configure file parameters for Diameter records being stored on the HD storage device.

Example

The following command sets the file rotation thresholds for files being stored on the HD storage device:

```
file rotation volume mb 4
file rotation record-count 15000
file rotation time-interval 7200
```

The following command replaces the policy name as the prefix of all files being stored through this policy with the prefix *sgw*:

```
file name prefix sgw
```