



# HD Storage Policy Configuration Mode Commands

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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.

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## 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).

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- [end, on page 2](#)
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- [file, on page 3](#)

## directory

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

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## Product

HSGW

P-GW

SAEGW

S-GW

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## Privilege

Administrator

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## 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 *cdrl*:

```
directory name cdrl
```

**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

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**Syntax Description**    **exit**

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**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.

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**Product**    HSGW  
               P-GW  
               SAEGW  
               S-GW

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**Privilege**    Administrator

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**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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**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
```