



Manage FPolicy persistent store configuration

REST API reference

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Manage FPolicy persistent store configuration

Manage FPolicy persistent store configuration

Overview

- The FPolicy Persistent Store feature enables the configuration of a Persistent Store. This includes:
- setting up a store to retain event notifications
- specifying the volume created for FPolicy Persistent Store
- defining the size of the volume
- defining the autosize mode for the volume.
- Each SVM can only have one Persistent Store. The same Persistent Store can be used by multiple policies within the same SVM. Once a Persistent Store is created, it can be utilized in the FPolicy policy configuration for the async and non-mandatory engine.

Examples

Creating an FPolicy Persistent Store with all required parameters

```
# The API:
POST /protocols/fpolicy/{svm.uuid}/persistent-stores

# The call:
curl -X POST "https://<mgmt-ip>/api/protocols/fpolicy/4f643fb4-fd21-11e8-ae49-0050568e2c1e/persistent-stores?return_records=true" -H "accept: application/json" -d "{\"name\": \"ps1\", \"volume\": \"psvol\", \"size\": 1073741824, \"autosize_mode\": \"off\"}"

# The response:
{
  "num_records": 1,
  "records": [
    {
      "name": "ps1",
      "volume": "psvol",
      "size": 1073741824,
      "autosize_mode": "off"
    }
  ]
}
```

Creating an FPolicy Persistent Store with the minimum required fields

```
# The API:
POST /protocols/fpolicy/{svm.uuid}/persistent-stores

# The call:
curl -X POST "https://<mgmt-ip>/api/protocols/fpolicy/4f643fb4-fd21-11e8-ae49-0050568e2c1e/persistent-stores?return_records=true" -H "accept: application/json" -H "Content-Type: application/json" -d "{\"name\": \"ps1\", \"volume\": \"psvol\", \"size\": 1073741824 }"

# The response:
{
  "num_records": 1,
  "records": [
    {
      "name": "ps1",
      "volume": "psvol",
      "size": 1073741824
    }
  ]
}
```

Retrieving an FPolicy Persistent Store configuration for a specific SVM

```
# The API:
GET /protocols/fpolicy/{svm.uuid}/persistent-stores

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/fpolicy/4f643fb4-fd21-11e8-ae49-0050568e2c1e/persistent-stores/?return_records=true&return_timeout=15" -H "accept: application/json"

# The response:
{
  "records": [
    {
      "name": "ps1"
    }
  ],
  "num_records": 1
}
```

Retrieving a specific FPolicy Persistent Store configuration for a specific SVM

```
# The API:
GET /protocols/fpolicy/{svm.uuid}/persistent-stores/{name}

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/fpolicy/4f643fb4-fd21-11e8-ae49-0050568e2c1e/persistent-stores/persistent_fpolicy?fields=*&return_records=true&return_timeout=15" -H "accept: application/json"

# The response:
{
  "svm": {
    "uuid": "4f643fb4-fd21-11e8-ae49-0050568e2c1e"
  },
  "name": "ps1",
  "volume": "psvol",
  "size": 1073741824,
  "autosize_mode": "off"
}
```

Updating an FPolicy Persistent Store for an SVM

```
# The API:
PATCH /protocols/fpolicy/{svm.uuid}/persistent-stores/{name}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/protocols/fpolicy/4f643fb4-fd21-11e8-ae49-0050568e2c1e/persistent-stores/persistent_fpolicy" -H "accept: application/json" -H "Content-Type: application/json" -d "{ \"volume\": \"psvol\" , \"size\": 1073741824}"
```

Deleting a specific FPolicy Persistent Store configuration for a specific SVM

```
# The API:
DELETE /protocols/fpolicy/{svm.uuid}/persistent-stores/{name}

# The call:
curl -X DELETE "https://<mgmt-ip>/api/protocols/fpolicy/4f643fb4-fd21-11e8-ae49-0050568e2c1e/persistent-stores/persistent_fpolicy" -H "accept: application/json"
```

Retrieve the FPolicy persistent store configurations for an SVM

GET /protocols/fpolicy/{svm.uuid}/persistent-stores

Introduced In: 9.14

Retrieves FPolicy Persistent Store configurations for a specified SVM.

Related ONTAP commands

- `fpolicy persistent-store show`

Learn more

- [DOC /protocols/fpolicy/{svm.uuid}/persistent-stores](#)

Parameters

Name	Type	In	Required	Description
autosize_mode	string	query	False	Filter by autosize_mode • Introduced in: 9.15
name	string	query	False	Filter by name
size	integer	query	False	Filter by size • Introduced in: 9.15
volume	string	query	False	Filter by volume
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.
fields	array[string]	query	False	Specify the fields to return.
max_records	integer	query	False	Limit the number of records returned.
return_records	boolean	query	False	The default is true for GET calls. When set to false, only the number of records is returned. • Default value: 1

Name	Type	In	Required	Description
return_timeout	integer	query	False	The number of seconds to allow the call to execute before returning. When iterating over a collection, the default is 15 seconds. ONTAP returns earlier if either max records or the end of the collection is reached. • Default value: 15 • Max value: 120 • Min value: 0
order_by	array[string]	query	False	Order results by specified fields and optional [asc

Response

Status: 200, Ok

Name	Type	Description
_links	_links	
num_records	integer	Number of records
records	array[fpolicy_persistent_store]	

Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": [
    {
      "autosize_mode": "string",
      "name": "ps1",
      "size": "100M",
      "svm": {
        "uuid": "string"
      },
      "volume": "psvol"
    }
  ]
}
```

Error

Status: Default, Error

Name	Type	Description
error	returned_error	

Example error

```
{
  "error": {
    "arguments": [
      {
        "code": "string",
        "message": "string"
      }
    ],
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```

Definitions

See Definitions

href

Name	Type	Description
href	string	

_links

Name	Type	Description
next	href	
self	href	

svm

Name	Type	Description
uuid	string	SVM UUID

fpolicy_persistent_store

The information that an FPolicy process needs in order to configure a Persistent Store.

Name	Type	Description
autosize_mode	string	Autosize mode for the volume. grow ‐ Volume automatically grows in response to the amount of space used. grow_shrink ‐ Volume grows or shrinks in response to the amount of space used. off ‐ Autosizing of the volume is disabled.
name	string	The name specified for the FPolicy Persistent Store.
size	integer	The size of the Persistent Store volume, in bytes.
svm	svm	
volume	string	The specified volume to store the events for the FPolicy Persistent Store.

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_error

Name	Type	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

Create an FPolicy persistent store configuration for an SVM

POST /protocols/fpolicy/{svm.uuid}/persistent-stores

Introduced In: 9.14

Creates an FPolicy Persistent Store configuration for a specified SVM.

Important notes:

- FPolicy Persistent Store creation is allowed only on data SVMs.
- In persistent mode, when the Persistent Store is full, event notifications are dropped.
- There is flexibility to provide an existing volume or create a new volume for the persistent storage. The creation of new volume is handled internally.
- For existing volumes, the snapshot policy is set to 'none' and the size is adjusted to the specified value.

Required properties

- `svm.uuid` - Existing SVM in which to create the FPolicy Persistent Store.
- `name` - Name of the FPolicy Persistent Store.
- `volume` - Volume specified for Persistent Store (only FlexVol volumes of type RW are supported).

Optional properties

- `size` - Size of the Persistent Store volume.
- `autosize-mode` - Autosize mode for the Persistent Store volume.

Related ONTAP commands

- `fpolicy persistent-store create`

Learn more

- [DOC /protocols/fpolicy/{svm.uuid}/persistent-stores](#)

Parameters

Name	Type	In	Required	Description
return_records	boolean	query	False	The default is false. If set to true, the records are returned. • Default value:
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.

Request Body

Name	Type	Description
autosize_mode	string	Autosize mode for the volume. grow ‐ Volume automatically grows in response to the amount of space used. grow_shrink ‐ Volume grows or shrinks in response to the amount of space used. off ‐ Autosizing of the volume is disabled.
name	string	The name specified for the FPolicy Persistent Store.
size	integer	The size of the Persistent Store volume, in bytes.
svm	svm	
volume	string	The specified volume to store the events for the FPolicy Persistent Store.

Example request

```
{
  "autosize_mode": "string",
  "name": "ps1",
  "size": "100M",
  "svm": {
    "uuid": "string"
  },
  "volume": "psvol"
}
```

Response

Status: 201, Created

Name	Type	Description
num_records	integer	Number of records
records	array[fpolicy_persistent_store]	

Example response

```
{
  "num_records": 1,
  "records": [
    {
      "autosize_mode": "string",
      "name": "ps1",
      "size": "100M",
      "svm": {
        "uuid": "string"
      },
      "volume": "psvol"
    }
  ]
}
```

Headers

Name	Description	Type
Location	Useful for tracking the resource location	string

Error

Status: Default

Error Code	Description
9765052	Cannot create more than one Persistent Store per SVM
9765053	Volume mentioned does not exist in the SVM
9765068	The Persistent Store name is too long. It must not exceed 500 characters
2621516	This operation is only supported on a data SVM
9765069	Volume is not a FlexVol volume. Only FlexVol volumes are supported for this operation.
9765072	Volume is not of type RW. Only volumes of type RW are supported.
9765074	Size is a required parameter for the creation of the Persistent Store.
9765077	The SVM is not associated with any aggregates.
524849	Attribute cannot be modified for the target volume because of the specified reason.
917533	The target volume is not eligible for modification due to certain constraints, such as the volume being offline or currently engaged in a volume move operation.
917826	Volume minimum autosize must be greater than zero.
918647	The designated size exceeds the maximum available capacity of the intended volume.
917534	The value specified for the field \"-size\" is too small. Update the field \"-size\" with the minimum size allowed and retry the operation.

Definitions

See Definitions

svm

Name	Type	Description
uuid	string	SVM UUID

fpolicy_persistent_store

The information that an FPolicy process needs in order to configure a Persistent Store.

Name	Type	Description
autosize_mode	string	Autosize mode for the volume. grow ‐ Volume automatically grows in response to the amount of space used. grow_shrink ‐ Volume grows or shrinks in response to the amount of space used. off ‐ Autosizing of the volume is disabled.
name	string	The name specified for the FPolicy Persistent Store.
size	integer	The size of the Persistent Store volume, in bytes.
svm	svm	
volume	string	The specified volume to store the events for the FPolicy Persistent Store.

href

Name	Type	Description
href	string	

_links

error_arguments

Name	Type	Description
code	string	Argument code

Name	Type	Description
message	string	Message argument

returned_error

Name	Type	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

Delete an FPolicy persistent store configuration for an SVM

```
DELETE /protocols/fpolicy/{svm.uuid}/persistent-stores/{name}
```

Introduced In: 9.14

Deletes a specific FPolicy Persistent Store configuration for an SVM.

Important notes: An option has been provided to delete the associated volume.

Related ONTAP commands

- `fpolicy persistent-store delete`

Learn more

- [DOC /protocols/fpolicy/{svm.uuid}/persistent-stores](#)

Parameters

Name	Type	In	Required	Description
name	string	path	True	

Name	Type	In	Required	Description
delete_volume	boolean	query	False	Delete the associated volume of the Persistent Store. - Introduced in: 9.15 - Default value:
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.

Response

Status: 200, Ok

Error

Status: Default

Error Code	Description
9765064	Persistent Store is active on at least one policy

Name	Type	Description
error	returned_error	

Example error

```
{
  "error": {
    "arguments": [
      {
        "code": "string",
        "message": "string"
      }
    ],
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```

Definitions

See Definitions

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_error

Name	Type	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

Retrieve an FPolicy persistent store configuration for an SVM

GET /protocols/fpolicy/{svm.uuid}/persistent-stores/{name}

Introduced In: 9.14

Retrieves a specific FPolicy Persistent Store configuration for an SVM.

Related ONTAP commands

- `fpolicy persistent-store show`

Learn more

- [DOC /protocols/fpolicy/{svm.uuid}/persistent-stores](#)

Parameters

Name	Type	In	Required	Description
name	string	path	True	
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.
fields	array[string]	query	False	Specify the fields to return.

Response

Status: 200, Ok

Name	Type	Description
autosize_mode	string	Autosize mode for the volume. grow ‐ Volume automatically grows in response to the amount of space used. grow_shrink ‐ Volume grows or shrinks in response to the amount of space used. off ‐ Autosizing of the volume is disabled.
name	string	The name specified for the FPolicy Persistent Store.

Name	Type	Description
size	integer	The size of the Persistent Store volume, in bytes.
svm	svm	
volume	string	The specified volume to store the events for the FPolicy Persistent Store.

Example response

```
{
  "autosize_mode": "string",
  "name": "ps1",
  "size": "100M",
  "svm": {
    "uuid": "string"
  },
  "volume": "psvol"
}
```

Error

Status: Default, Error

Name	Type	Description
error	returned_error	

Example error

```
{
  "error": {
    "arguments": [
      {
        "code": "string",
        "message": "string"
      }
    ],
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```

Definitions

See Definitions

svm

Name	Type	Description
uuid	string	SVM UUID

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_error

Name	Type	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

Update an FPolicy persistent store configuration for an SVM

PATCH /protocols/fpolicy/{svm.uuid}/persistent-stores/{name}

Introduced In: 9.14

Updates a specific FPolicy Persistent Store configuration for an SVM.

Important notes:

- If the volume exists, it is set to the size specified and the snapshot policy is set to "none". Otherwise, a new volume is created.
- The autosize parameter is not available in PATCH operations for this endpoint, use the the "autosize" parameter in PATCH for the "/storage/volumes/{uuid}" endpoint instead.
- When the Persistent Store is updated with a new volume, the previous volume is not automatically deleted. An option is provided to delete the previous volume.

Related ONTAP commands

- `fpolicy persistent-store modify`

Learn more

- [DOC /protocols/fpolicy/{svm.uuid}/persistent-stores](#)

Parameters

Name	Type	In	Required	Description
name	string	path	True	
delete_volume	boolean	query	False	Delete the previous volume of a Persistent Store if a new volume is provided. • Introduced in: 9.15 • Default value:
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.

Request Body

Name	Type	Description
size	integer	The size of the Persistent Store volume, in bytes.
svm	svm	
volume	string	The specified volume to store the events for the FPolicy Persistent Store.

Example request

```
{
  "size": "100M",
  "svm": {
    "uuid": "string"
  },
  "volume": "psvol"
}
```

Response

Status: 200, Ok

Error

Status: Default

Error Code	Description
9765053	Volume mentioned does not exist in the SVM
9765056	Specified Persistent Store name does not exist in the SVM
9765069	Volume is not a FlexVol volume. Only FlexVol volumes are supported for this operation.
9765070	Cannot update a Persistent Store volume when it is part of an enabled policy
9765072	Volume is not of type RW. Only volumes of type RW are supported.
9765074	Size is a required parameter for the creation of the Persistent Store.
9765077	The SVM is not associated with any aggregates.
524849	Attribute cannot be modified for the target volume because of the specified reason.
917533	The target volume is not eligible for modification due to certain constraints, such as the volume being offline or currently engaged in a volume move operation.
917826	Volume minimum autosize must be greater than zero.
918647	The designated size exceeds the maximum available capacity of the intended volume.

Error Code	Description
917534	The value specified for the field \"-size\" is too small. Update the field \"-size\" with the minimum size allowed and retry the operation.

Definitions

See Definitions

svm

Name	Type	Description
uuid	string	SVM UUID

fpolicy_persistent_store

The information that an FPolicy process needs in order to configure a Persistent Store.

Name	Type	Description
size	integer	The size of the Persistent Store volume, in bytes.
svm	svm	
volume	string	The specified volume to store the events for the FPolicy Persistent Store.

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_error

Name	Type	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

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