

# Manage SnapMirror policies

ONTAP 9.7 REST API reference

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# Manage SnapMirror policies

## **SnapMirror policies endpoint overview**

## **Managing SnapMirror policies**

This API is used to manage SnapMirror policies of type "mirror-vault", "sync-mirror" and "strict-sync-mirror". When applied to a SnapMirror relationship, the SnapMirror policy controls the behavior of the relationship and specifies the configuration attributes for that relationship.

Mapping of SnapMirror policies from CLI to REST

CLI	REST
mirror-vault	async

CLI	REST	sync_type
sync-mirror	sync	sync
strict-sync-mirror	sync	strict_sync

## Retrieve SnapMirror async and sync policy types

GET /snapmirror/policies

Retrieves SnapMirror policies of type "mirror-vault", "sync-mirror" and "strict-sync-mirror".

#### **Related ONTAP commands**

snapmirror policy show

## **Example**

The following example shows how to retrieve a collection of SnapMirror policies.

GET "/api/storage/snapmirror/policies"

#### Learn more

• DOC /snapmirror/policies

#### **Parameters**

Name	Туре	In	Required	Description
scope	string	query	False	Filter by scope

Name	Туре	In	Required	Description
transfer_schedule.uu id	string	query	False	Filter by transfer_schedule.u uid
transfer_schedule.na me	string	query	False	Filter by transfer_schedule.n ame
sync_common_snap shot_schedule.uuid	string	query	False	Filter by sync_common_snap shot_schedule.uuid
sync_common_snap shot_schedule.name	string	query	False	Filter by sync_common_snap shot_schedule.name
identity_preservation	string	query	False	Filter by identity_preservation
comment	string	query	False	Filter by comment
retention.count	integer	query	False	Filter by retention.count
retention.prefix	string	query	False	Filter by retention.prefix
retention.label	string	query	False	Filter by retention.label
retention.creation_sc hedule.uuid	string	query	False	Filter by retention.creation_s chedule.uuid
retention.creation_sc hedule.name	string	query	False	Filter by retention.creation_s chedule.name
name	string	query	False	Filter by name
sync_type	string	query	False	Filter by sync_type
uuid	string	query	False	Filter by uuid

Name	Туре	In	Required	Description
network_compressio n_enabled	boolean	query	False	Filter by network_compressio n_enabled
throttle	integer	query	False	Filter by throttle
svm.uuid	string	query	False	Filter by svm.uuid
svm.name	string	query	False	Filter by svm.name
type	string	query	False	Filter by type
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.
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.
order_by	array[string]	query	False	Order results by specified fields and optional [asc

## Response

Status: 200, Ok

Name	Туре	Description
_links	_links	
num_records	integer	Number of records
records	array[snapmirror_policy]	

```
" links": {
  "next": {
   "href": "/api/resourcelink"
 },
 "self": {
   "href": "/api/resourcelink"
 }
},
"records": {
  " links": {
    "self": {
     "href": "/api/resourcelink"
   }
  },
  "comment": "string",
  "identity preservation": "full",
  "name": "Asynchronous",
  "retention": {
   "count": 7,
    "creation schedule": {
      " links": {
        "self": {
         "href": "/api/resourcelink"
       }
     },
     "name": "weekly",
     "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "label": "hourly",
    "prefix": "string"
  },
  "scope": "svm",
  "svm": {
    " links": {
     "self": {
       "href": "/api/resourcelink"
     }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  "sync common snapshot schedule": {
    " links": {
```

```
"self": {
          "href": "/api/resourcelink"
       }
      },
      "name": "weekly",
     "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "sync type": "sync",
    "throttle": 0,
    "transfer schedule": {
     " links": {
       "self": {
         "href": "/api/resourcelink"
       }
     },
      "name": "weekly",
     "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
   "type": "async",
    "uuid": "4ea7a442-86d1-11e0-ae1c-123478563412"
 }
}
```

#### **Error**

```
Status: Default
```

#### ONTAP Error Response codes

Error code	Description
13303842	SnapMirror policy is not supported.

Name	Туре	Description
error	error	

## Example error

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

## **Definitions**

#### **See Definitions**

href

Name	Туре	Description
href	string	

\_links

Name	Туре	Description
next	href	
self	href	

\_links

Name	Туре	Description
self	href	

## creation\_schedule

Schedule used to create Snapshot copies on the destination for long term retention.

Name	Туре	Description
_links	_links	
name	string	Job schedule name
uuid	string	Job schedule UUID

### snapmirror\_policy\_rule

SnapMirror policy rule for retention.

Name	Туре	Description
count	integer	Number of Snapshot copies to be kept for retention.
creation_schedule	creation_schedule	Schedule used to create Snapshot copies on the destination for long term retention.
label	string	Snapshot copy label

Name	Туре	Description
prefix	string	Specifies the prefix for the Snapshot copy name to be created as per the schedule. If no value is specified, then the label is used as the prefix.

#### svm

Name	Туре	Description
_links	_links	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

### sync\_common\_snapshot\_schedule

Schedule used to create common Snapshot copies for synchronous relationships.

Name	Туре	Description
_links	_links	
name	string	Job schedule name
uuid	string	Job schedule UUID

## transfer\_schedule

The schedule used to update asynchronous relationships.

Name	Туре	Description
_links	_links	
name	string	Job schedule name
uuid	string	Job schedule UUID

## snapmirror\_policy

## SnapMirror policy information

Name	Туре	Description
_links	_links	

Name	Туре	Description
comment	string	Comment associated with the policy.
identity_preservation	string	Specifies which configuration of the source SVM is replicated to the destination. This property is applicable only for SVM data protection and async policies.
name	string	
network_compression_enabled	boolean	Specifies whether network compression is enabled for transfers. This is applicable only to async policies.
retention	array[snapmirror_policy_rule]	Policy on Snapshot copy retention. This is applicable only to async policies.
scope	string	Set to "svm" for policies owned by an SVM, otherwise set to "cluster".
svm	svm	
sync_common_snapshot_schedul e	sync_common_snapshot_schedul e	Schedule used to create common Snapshot copies for synchronous relationships.
sync_type	string	
throttle	integer	Throttle in KB/s. Default to unlimited.
transfer_schedule	transfer_schedule	The schedule used to update asynchronous relationships.
type	string	
uuid	string	

## error\_arguments

Name	Туре	Description
code	string	Argument code
message	string	Message argument

Name	Туре	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 a SnapMirror policy**

POST /snapmirror/policies

Creates a SnapMirror policy. The property "identity\_preservation" is applicable to only SnapMirror relationships with SVM endpoints and it indicates which configuration of the source SVM is replicated to the destination SVM.

It takes the following values:

- full indicates that the source SVM configuration is replicated to the destination SVM endpoint.
- exclude\_network\_config indicates that the source SVM configuration other than network configuration is replicated to the destination SVM endpoint.
- exclude\_network\_and\_protocol\_config indicates that the source SVM configuration is not replicated to the destination SVM endpoint.

### Important note

- The property "identity\_preservation" is applicable to only SnapMirror relationships with SVM endpoints and it indicates which configuration of the source SVM is replicated to the destination SVM.
- The properties "identity\_preservation", "retention" and "transfer\_schedule" are not applicable for "sync" type policies.
- The property "sync common snapshot schedule" is not applicable for an "async" type policy.
- The property "retention.count" specifies the maximum number of Snapshot copies that are retained on the SnapMirror destination volume.
- When the property "retention.label" is specified, the Snapshot copies that have a SnapMirror label matching this property is transferred to the SnapMirror destination.
- When the property "retention.creation\_schedule" is specified, Snapshot copies are directly created on the SnapMirror destination. The Snapshot copies created have the same content as the latest Snapshot copy already present on the SnapMirror destination.

## Required properties

• name - Name of the new SnapMirror policy.

### **Recommended optional properties**

• svm.name or svm.uuid - Name or UUID of the SVM that owns the SnapMirror policy.

### **Default property values**

If not specified in POST, the following default property values are assigned:

```
• type - async
```

```
• sync type - sync (when type is sync)
```

- network compression enabled false
- throttle 0
- identity preservation exclude network and protocol config

#### **Related ONTAP commands**

snapmirror policy create

### **Examples**

Creating a SnapMirror policy of type "sync"

```
POST "/api/snapmirror/policies/" '{"name": "policy1", "svm.name": "VS0", "type": "sync", "sync_type": "sync"}'
```

Creating a SnapMirror policy of type "async" with retention values

```
POST "/api/snapmirror/policies" '{"name": "policy_ret", "svm": {"name": "vs1"}, "retention": {"label": ["smcreate"], "count": ["2"], "creation_schedule": ["weekly"]}}'
```

Creating a SnapMirror policy of type "async"

```
POST "/api/snapmirror/policies" '{"name": "newPolicy", "svm":{"name":
"vs1"}, "type": "async"}'
```

#### Learn more

DOC /snapmirror/policies

## **Parameters**

Name	Туре	In	Required	Description
return_records	boolean	query	False	The default is false. If set to true, the records are returned.
return_timeout	integer	query	False	The number of seconds to allow the call to execute before returning. When doing a POST, PATCH, or DELETE operation on a single record, the default is 0 seconds. This means that if an asynchronous operation is started, the server immediately returns HTTP code 202 (Accepted) along with a link to the job. If a non-zero value is specified for POST, PATCH, or DELETE operations, ONTAP waits that length of time to see if the job completes so it can return something other than 202.

## **Request Body**

Name	Туре	Description
_links	_links	
comment	string	Comment associated with the policy.
identity_preservation	string	Specifies which configuration of the source SVM is replicated to the destination. This property is applicable only for SVM data protection and async policies.

Name	Туре	Description
name	string	
network_compression_enabled	boolean	Specifies whether network compression is enabled for transfers. This is applicable only to async policies.
retention	array[snapmirror_policy_rule]	Policy on Snapshot copy retention. This is applicable only to async policies.
scope	string	Set to "svm" for policies owned by an SVM, otherwise set to "cluster".
svm	svm	
sync_common_snapshot_schedule	sync_common_snapshot_schedule	Schedule used to create common Snapshot copies for synchronous relationships.
sync_type	string	
throttle	integer	Throttle in KB/s. Default to unlimited.
transfer_schedule	transfer_schedule	The schedule used to update asynchronous relationships.
type	string	
uuid	string	

```
" links": {
  "self": {
   "href": "/api/resourcelink"
 }
} ,
"comment": "string",
"identity preservation": "full",
"name": "Asynchronous",
"retention": {
  "count": 7,
  "creation schedule": {
    " links": {
      "self": {
       "href": "/api/resourcelink"
      }
    },
    "name": "weekly",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "label": "hourly",
  "prefix": "string"
"scope": "svm",
"svm": {
  " links": {
   "self": {
     "href": "/api/resourcelink"
    }
  },
  "name": "svm1",
  "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
"sync common snapshot schedule": {
  " links": {
    "self": {
     "href": "/api/resourcelink"
   }
  },
  "name": "weekly",
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
"sync type": "sync",
"throttle": 0,
```

## Response

```
Status: 202, Accepted
```

Name	Туре	Description
job	job_link	

#### **Example response**

#### **Error**

```
Status: Default
```

**ONTAP Error Response codes** 

Error code	Description
13303850	Invalid input parameter
13303887	Maximum number of allowed retention rules reached

Name	Туре	Description
error	error	

## Example error

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

## **Definitions**

#### **See Definitions**

href

Name	Туре	Description
href	string	

\_links

Name	Туре	Description
self	href	

creation\_schedule

Schedule used to create Snapshot copies on the destination for long term retention.

Name	Туре	Description
_links	_links	
name	string	Job schedule name
uuid	string	Job schedule UUID

snapmirror\_policy\_rule

SnapMirror policy rule for retention.

Name	Туре	Description
count	integer	Number of Snapshot copies to be kept for retention.
creation_schedule	creation_schedule	Schedule used to create Snapshot copies on the destination for long term retention.
label	string	Snapshot copy label
prefix	string	Specifies the prefix for the Snapshot copy name to be created as per the schedule. If no value is specified, then the label is used as the prefix.

svm

Name	Туре	Description
_links	_links	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

## sync\_common\_snapshot\_schedule

Schedule used to create common Snapshot copies for synchronous relationships.

Name	Туре	Description
_links	_links	
name	string	Job schedule name
uuid	string	Job schedule UUID

## transfer\_schedule

The schedule used to update asynchronous relationships.

Name	Туре	Description
_links	_links	
name	string	Job schedule name
uuid	string	Job schedule UUID

## snapmirror\_policy

## SnapMirror policy information

Name	Туре	Description
_links	_links	
comment	string	Comment associated with the policy.
identity_preservation	string	Specifies which configuration of the source SVM is replicated to the destination. This property is applicable only for SVM data protection and async policies.
name	string	

Name	Туре	Description
network_compression_enabled	boolean	Specifies whether network compression is enabled for transfers. This is applicable only to async policies.
retention	array[snapmirror_policy_rule]	Policy on Snapshot copy retention. This is applicable only to async policies.
scope	string	Set to "svm" for policies owned by an SVM, otherwise set to "cluster".
svm	svm	
sync_common_snapshot_schedul e	sync_common_snapshot_schedul e	Schedule used to create common Snapshot copies for synchronous relationships.
sync_type	string	
throttle	integer	Throttle in KB/s. Default to unlimited.
transfer_schedule	transfer_schedule	The schedule used to update asynchronous relationships.
type	string	
uuid	string	

## job\_link

Name	Туре	Description
_links	_links	
uuid	string	The UUID of the asynchronous job that is triggered by a POST, PATCH, or DELETE operation.

## error\_arguments

Name	Туре	Description
code	string	Argument code
message	string	Message argument

(	Э	r	r	0	r

Name	Туре	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 a SnapMirror policy

DELETE /snapmirror/policies/{uuid}

Deletes a SnapMirror policy.

## **Related ONTAP commands**

• snapmirror policy delete

## **Example**

DELETE "/api/snapmirror/policies/510c15d4-f9e6-11e8-bdb5-0050568e12c2"

#### Learn more

• DOC /snapmirror/policies

#### **Parameters**

Name	Туре	In	Required	Description
uuid	string	path	True	Policy UUID

Name	Туре	In	Required	Description
return_timeout	integer	query	False	The number of seconds to allow the call to execute before returning. When doing a POST, PATCH, or DELETE operation on a single record, the default is 0 seconds. This means that if an asynchronous operation is started, the server immediately returns HTTP code 202 (Accepted) along with a link to the job. If a non-zero value is specified for POST, PATCH, or DELETE operations, ONTAP waits that length of time to see if the job completes so it can return something other than 202.

## Response

Status: 202, Accepted

Name	Туре	Description
job	job_link	

#### **Example response**

#### **Error**

```
Status: Default, Error
```

Name	Туре	Description
error	error	

#### **Example error**

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

## **Definitions**

#### **See Definitions**

h	raf
n	rei

Name	Туре	Description
href	string	

### \_links

Name	Туре	Description
self	href	

## job\_link

Name	Туре	Description
_links	_links	
uuid	string	The UUID of the asynchronous job that is triggered by a POST, PATCH, or DELETE operation.

#### error\_arguments

Name	Туре	Description
code	string	Argument code
message	string	Message argument

#### error

Name	Туре	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 a specific SnapMirror policy

GET /snapmirror/policies/{uuid}

Retrieves a specific SnapMirror policy.

## **Example**

GET "/api/snapmirror/policies/567aaac0-f863-11e8-a666-0050568e12c2"

### Learn more

• DOC /snapmirror/policies

## **Parameters**

Name	Туре	In	Required	Description
uuid	string	path	True	Policy UUID
fields	array[string]	query	False	Specify the fields to return.

## Response

Status: 200, Ok

Name	Туре	Description
_links	_links	
comment	string	Comment associated with the policy.
identity_preservation	string	Specifies which configuration of the source SVM is replicated to the destination. This property is applicable only for SVM data protection and async policies.
name	string	
network_compression_enabled	boolean	Specifies whether network compression is enabled for transfers. This is applicable only to async policies.
retention	array[snapmirror_policy_rule]	Policy on Snapshot copy retention. This is applicable only to async policies.

Name	Туре	Description
scope	string	Set to "svm" for policies owned by an SVM, otherwise set to "cluster".
svm	svm	
sync_common_snapshot_schedule	sync_common_snapshot_schedule	Schedule used to create common Snapshot copies for synchronous relationships.
sync_type	string	
throttle	integer	Throttle in KB/s. Default to unlimited.
transfer_schedule	transfer_schedule	The schedule used to update asynchronous relationships.
type	string	
uuid	string	

```
" links": {
  "self": {
   "href": "/api/resourcelink"
 }
} ,
"comment": "string",
"identity preservation": "full",
"name": "Asynchronous",
"retention": {
  "count": 7,
  "creation schedule": {
    " links": {
      "self": {
       "href": "/api/resourcelink"
      }
    },
    "name": "weekly",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "label": "hourly",
  "prefix": "string"
"scope": "svm",
"svm": {
  " links": {
   "self": {
     "href": "/api/resourcelink"
    }
  },
  "name": "svm1",
  "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
"sync common snapshot schedule": {
  " links": {
    "self": {
     "href": "/api/resourcelink"
    }
  },
  "name": "weekly",
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
"sync type": "sync",
"throttle": 0,
```

#### **Error**

```
Status: Default
```

### ONTAP Error Response codes

Error code	Description
13303842	SnapMirror policy is not supported.

Name	Туре	Description
error	error	

#### **Example error**

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

## **Definitions**

#### **See Definitions**

href

Name	Туре	Description
href	string	

\_links

Name	Туре	Description
self	href	

creation\_schedule

Schedule used to create Snapshot copies on the destination for long term retention.

Name	Туре	Description
_links	_links	
name	string	Job schedule name
uuid	string	Job schedule UUID

snapmirror\_policy\_rule

SnapMirror policy rule for retention.

Name	Туре	Description
count	integer	Number of Snapshot copies to be kept for retention.
creation_schedule	creation_schedule	Schedule used to create Snapshot copies on the destination for long term retention.
label	string	Snapshot copy label
prefix	string	Specifies the prefix for the Snapshot copy name to be created as per the schedule. If no value is specified, then the label is used as the prefix.

svm

Name	Туре	Description
_links	_links	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

sync\_common\_snapshot\_schedule

Schedule used to create common Snapshot copies for synchronous relationships.

Name	Туре	Description
_links	_links	
name	string	Job schedule name
uuid	string	Job schedule UUID

## transfer\_schedule

The schedule used to update asynchronous relationships.

Name	Туре	Description
_links	_links	
name	string	Job schedule name
uuid	string	Job schedule UUID

## error\_arguments

Name	Туре	Description
code	string	Argument code
message	string	Message argument

#### error

Name	Туре	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message

Name	Туре	Description
target		The target parameter that caused the error.

## **Update the SnapMirror policy**

PATCH /snapmirror/policies/{uuid}

Updates the SnapMirror policy.

#### Important notes

- The properties "transfer\_schedule" and "throttle" can be modified only if all the SnapMirror relationships associated with the specified SnapMirror policy have the same values.
- The properties "retention.label" and "retention.count" are mandatory if "retention" is provided in the input. The provided "retention.label" is the final list and is replaced with the existing values.
- The value of the "identity\_preservation" property cannot be changed if the SnapMirror relationships associated with the policy have different identity preservation configurations.
- If the SnapMirror policy "identity\_preservation" value matches the "identity\_preservation" value of the associated SnapMirror relationships, then the "identity\_preservation" value can be changed from a higher "identity\_preservation" threshold value but not vice-versa. For example, the threshold value of the "identity\_preservation" property can be changed from "full" to "exclude\_network\_config" to "exclude\_network\_and\_protocol\_config", but could not be increased from "exclude\_network\_and\_protocol\_config" to "exclude\_network\_config" to "full".

#### **Related ONTAP commands**

snapmirror policy modify

### **Example**

Updating the "retention" property

```
PATCH "/api/snapmirror/policies/fe65686d-00dc-11e9-b5fb-0050568e3f83"
'{"retention" : {"label" : ["sm_created", "lab2"], "count": ["1","2"],
"creation_schedule": {"name": ["weekly"]}}}'
```

Updating "transfer\_schedule", "throttle", and "identity\_preservation" properties

```
PATCH "/api/snapmirror/policies/8aef950b-3bef-11e9-80ac-0050568ea591"
'{"transfer_schedule.name" : "weekly", "throttle" : "100",
"identity_preservation":"exclude_network_and_protocol_config"}'
```

## Learn more

• DOC /snapmirror/policies

## **Parameters**

Name	Туре	In	Required	Description
return_timeout	integer	query	False	The number of seconds to allow the call to execute before returning. When doing a POST, PATCH, or DELETE operation on a single record, the default is 0 seconds. This means that if an asynchronous operation is started, the server immediately returns HTTP code 202 (Accepted) along with a link to the job. If a non-zero value is specified for POST, PATCH, or DELETE operations, ONTAP waits that length of time to see if the job completes so it can return something other than 202.
uuid	string	path	True	Policy UUID

## **Request Body**

Name	Туре	Description
_links	_links	
comment	string	Comment associated with the policy.

Name	Туре	Description
identity_preservation	string	Specifies which configuration of the source SVM is replicated to the destination. This property is applicable only for SVM data protection and async policies.
name	string	
network_compression_enabled	boolean	Specifies whether network compression is enabled for transfers. This is applicable only to async policies.
retention	array[snapmirror_policy_rule]	Policy on Snapshot copy retention. This is applicable only to async policies.
scope	string	Set to "svm" for policies owned by an SVM, otherwise set to "cluster".
svm	svm	
sync_common_snapshot_schedule	sync_common_snapshot_schedule	Schedule used to create common Snapshot copies for synchronous relationships.
sync_type	string	
throttle	integer	Throttle in KB/s. Default to unlimited.
transfer_schedule	transfer_schedule	The schedule used to update asynchronous relationships.
type	string	
uuid	string	

```
" links": {
  "self": {
   "href": "/api/resourcelink"
 }
} ,
"comment": "string",
"identity preservation": "full",
"name": "Asynchronous",
"retention": {
  "count": 7,
  "creation schedule": {
    " links": {
      "self": {
       "href": "/api/resourcelink"
      }
    },
    "name": "weekly",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "label": "hourly",
  "prefix": "string"
"scope": "svm",
"svm": {
  " links": {
   "self": {
     "href": "/api/resourcelink"
    }
  },
  "name": "svm1",
  "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
"sync common snapshot schedule": {
  " links": {
    "self": {
     "href": "/api/resourcelink"
   }
  },
  "name": "weekly",
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
"sync type": "sync",
"throttle": 0,
```

## Response

```
Status: 202, Accepted
```

Name	Туре	Description
job	job_link	

#### **Example response**

#### **Error**

```
Status: Default
```

**ONTAP Error Response codes** 

Error code	Description
13303842	SnapMirror policy is not supported.
13303843	Conflicting values between SnapMirror policy and SnapMirror relationships for either 'transfer_schedule, throttle or identity_preservation' properties
13303850	Invalid input parameter
13303887	Maximum number of allowed retention rules reached

Name	Туре	Description
error	error	

## Example error

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

## **Definitions**

#### **See Definitions**

href

Name	Туре	Description
href	string	

\_links

Name	Туре	Description
self	href	

creation\_schedule

Schedule used to create Snapshot copies on the destination for long term retention.

Name	Туре	Description
_links	_links	
name	string	Job schedule name
uuid	string	Job schedule UUID

snapmirror\_policy\_rule

SnapMirror policy rule for retention.

Name	Туре	Description
count	integer	Number of Snapshot copies to be kept for retention.
creation_schedule	creation_schedule	Schedule used to create Snapshot copies on the destination for long term retention.
label	string	Snapshot copy label
prefix	string	Specifies the prefix for the Snapshot copy name to be created as per the schedule. If no value is specified, then the label is used as the prefix.

svm

Name	Туре	Description
_links	_links	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

## sync\_common\_snapshot\_schedule

Schedule used to create common Snapshot copies for synchronous relationships.

Name	Туре	Description
_links	_links	
name	string	Job schedule name
uuid	string	Job schedule UUID

## transfer\_schedule

The schedule used to update asynchronous relationships.

Name	Туре	Description
_links	_links	
name	string	Job schedule name
uuid	string	Job schedule UUID

## snapmirror\_policy

## SnapMirror policy information

Name	Туре	Description
_links	_links	
comment	string	Comment associated with the policy.
identity_preservation	string	Specifies which configuration of the source SVM is replicated to the destination. This property is applicable only for SVM data protection and async policies.
name	string	

Name	Туре	Description
network_compression_enabled	boolean	Specifies whether network compression is enabled for transfers. This is applicable only to async policies.
retention	array[snapmirror_policy_rule]	Policy on Snapshot copy retention. This is applicable only to async policies.
scope	string	Set to "svm" for policies owned by an SVM, otherwise set to "cluster".
svm	svm	
sync_common_snapshot_schedul e	sync_common_snapshot_schedul e	Schedule used to create common Snapshot copies for synchronous relationships.
sync_type	string	
throttle	integer	Throttle in KB/s. Default to unlimited.
transfer_schedule	transfer_schedule	The schedule used to update asynchronous relationships.
type	string	
uuid	string	

## job\_link

Name	Туре	Description
_links	_links	
uuid	string	The UUID of the asynchronous job that is triggered by a POST, PATCH, or DELETE operation.

## error\_arguments

Name	Туре	Description
code	string	Argument code
message	string	Message argument

#### error

Name	Туре	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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