



# **Manage event based retention policies**

ONTAP 9.7 REST API reference

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# Manage event based retention policies

## Storage SnapLock event-retention policies endpoint overview

An event retention policy consists of a policy-name and a retention-period. The policy can be applied to a single file or files in a directory. Only a user with the security login role vsadmin-snaplock can perform the operation. EBR policies cannot be applied to files under a Legal-Hold.

### Examples

1. Creates an EBR policy policy\_name with a retention period of "10 years":

```
POST "/api/storage/snaplock/event-retention/policies/" '{"name": "policy_name", "retention_period": "P10Y"}'
```

1. Creates an EBR policy policy\_name1 with a retention period of "infinite":

```
POST "/api/storage/snaplock/event-retention/policies/" '{"name": "policy_name1", "retention_period": "infinite"}'
```

## Retrieve event retention policies for an SVM

GET /storage/snaplock/event-retention/policies

Retrieves all event retention policies for an SVM.

### Related ONTAP commands

- `snaplock event-retention policy show`

### Learn more

- [DOC /storage/snaplock/event-retention/policies](#)

### Parameters

Name	Type	In	Required	Description
fields	array[string]	query	False	Specify the fields to return.
max_records	integer	query	False	Limit the number of records returned.

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.
return_records	boolean	query	False	The default is true for GET calls. When set to false, only the number of records is returned.
order_by	array[string]	query	False	Order results by specified fields and optional [asc

## Response

Status: 200, Ok

Name	Type	Description
_links	<a href="#">_links</a>	
num_records	integer	Number of records
records	array[ <a href="#">snaplock_retention_policy</a> ]	

## Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "records": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "retention_period": "P30M",
    "svm": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "svm1",
      "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
    }
  }
}
```

## Error

Status: Default, Error

Name	Type	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	Type	Description
href	string	

\_links

Name	Type	Description
next	<a href="#">href</a>	
self	<a href="#">href</a>	

\_links

Name	Type	Description
self	<a href="#">href</a>	

svm

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

snaplock\_retention\_policy

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	Specifies the EBR policy name

Name	Type	Description
retention_period	string	Specifies the retention period of an EBR policy. The retention period value represents a duration and must be specified in the ISO-8601 duration format. The retention period can be in years, months, days, hours or minutes. A period specified for years, months and days is represented in the ISO-8601 format as "P<num>Y", "P<num>M", "P<num>D" respectively. For example "P10Y" represents a duration of 10 years. Similarly, a duration in hours, minutes is represented by "PT<num>H", "PT<num>M" respectively. The period string must contain only a single time element i.e. either years, months, days, hours or minutes. A duration which combines different periods is not supported, example "P1Y10M" is not supported. Apart from the duration specified in the ISO-8601 format, the retention period field also accepts the string "infinite".</num></num></num></num>
svm	<a href="#">svm</a>	

#### error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

#### error

Name	Type	Description
arguments	array[ <a href="#">error_arguments</a> ]	Message arguments
code	string	Error code



Name	Type	Description
message	string	Error message
target	string	The target parameter that caused the error.

## Create an EBR policy for an SVM

POST `/storage/snaplock/event-retention/policies`

Creates an Event Based Retention (EBR) policy for an SVM. The input parameter `retention_period` expects the duration in ISO 8601 format or infinite.

### Required properties

- `name` - Event retention policy name.
- `retention_period` - Retention period of the EBR policy.

### Related ONTAP commands

- `snaplock event-retention policy create`

### Learn more

- [DOC /storage/snaplock/event-retention/policies](#)

### Parameters

Name	Type	In	Required	Description
<code>return_records</code>	boolean	query	False	The default is false. If set to true, the records are returned.

### Request Body

Name	Type	Description
<code>_links</code>	<a href="#">_links</a>	
<code>name</code>	string	Specifies the EBR policy name

Name	Type	Description
retention_period	string	<p>Specifies the retention period of an EBR policy. The retention period value represents a duration and must be specified in the ISO-8601 duration format. The retention period can be in years, months, days, hours or minutes. A period specified for years, months and days is represented in the ISO-8601 format as "P&lt;num&gt;Y", "P&lt;num&gt;M", "P&lt;num&gt;D" respectively. For example "P10Y" represents a duration of 10 years. Similarly, a duration in hours, minutes is represented by "PT&lt;num&gt;H", "PT&lt;num&gt;M" respectively. The period string must contain only a single time element i.e. either years, months, days, hours or minutes. A duration which combines different periods is not supported, example "P1Y10M" is not supported. Apart from the duration specified in the ISO-8601 format, the retention period field also accepts the string "infinite".</p>
svm	svm	

## Example request

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "retention_period": "P30M",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    }
  },
  "name": "svm1",
  "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
}
```

## Response

Status: 201, Created

Name	Type	Description
<code>_links</code>	<code>_links</code>	
<code>name</code>	string	Specifies the EBR policy name

Name	Type	Description
retention_period	string	<p>Specifies the retention period of an EBR policy. The retention period value represents a duration and must be specified in the ISO-8601 duration format. The retention period can be in years, months, days, hours or minutes. A period specified for years, months and days is represented in the ISO-8601 format as "P&lt;num&gt;Y", "P&lt;num&gt;M", "P&lt;num&gt;D" respectively. For example "P10Y" represents a duration of 10 years. Similarly, a duration in hours, minutes is represented by "PT&lt;num&gt;H", "PT&lt;num&gt;M" respectively. The period string must contain only a single time element i.e. either years, months, days, hours or minutes. A duration which combines different periods is not supported, example "P1Y10M" is not supported. Apart from the duration specified in the ISO-8601 format, the retention period field also accepts the string "infinite".</p>
svm	svm	

## Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "retention_period": "P30M",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

## Error

Status: Default, Error

Name	Type	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	Type	Description
href	string	

\_links

Name	Type	Description
self	<a href="#">href</a>	

svm

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

snaplock\_retention\_policy

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	Specifies the EBR policy name

Name	Type	Description
retention_period	string	Specifies the retention period of an EBR policy. The retention period value represents a duration and must be specified in the ISO-8601 duration format. The retention period can be in years, months, days, hours or minutes. A period specified for years, months and days is represented in the ISO-8601 format as "P<num>Y", "P<num>M", "P<num>D" respectively. For example "P10Y" represents a duration of 10 years. Similarly, a duration in hours, minutes is represented by "PT<num>H", "PT<num>M" respectively. The period string must contain only a single time element i.e. either years, months, days, hours or minutes. A duration which combines different periods is not supported, example "P1Y10M" is not supported. Apart from the duration specified in the ISO-8601 format, the retention period field also accepts the string "infinite".</num></num></num></num>
svm	<a href="#">svm</a>	

#### error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

#### error

Name	Type	Description
arguments	array[ <a href="#">error_arguments</a> ]	Message arguments
code	string	Error code



Name	Type	Description
message	string	Error message
target	string	The target parameter that caused the error.

## Delete an EBR policy

DELETE /storage/snaplock/event-retention/policies/{policy.name}

Deletes the specified Event Based Retention (EBR) policy.

### Related ONTAP commands

- `snaplock event-retention policy delete`

### Learn more

- [DOC /storage/snaplock/event-retention/policies](#)

### Parameters

Name	Type	In	Required	Description
policy.name	string	path	True	

### Response

Status: 200, Ok

### Error

Status: Default, Error

Name	Type	Description
error	<a href="#">error</a>	

## 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

#### error

Name	Type	Description
arguments	array[ <a href="#">error_arguments</a> ]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

## Retrieve attributes of an EBR policy

GET /storage/snaplock/event-retention/policies/{policy.name}

Retrieves a list of attributes of the specified Event Based Retention (EBR) policy.

## Related ONTAP commands

- `snaplock event-retention policy show`

## Learn more

- [DOC /storage/snaplock/event-retention/policies](#)

## Parameters

Name	Type	In	Required	Description
policy.name	string	path	True	Name of the retention policy
fields	array[string]	query	False	Specify the fields to return.

## Response

Status: 200, Ok

Name	Type	Description
<code>_links</code>	<a href="#">_links</a>	
<code>name</code>	string	Specifies the EBR policy name

Name	Type	Description
retention_period	string	<p>Specifies the retention period of an EBR policy. The retention period value represents a duration and must be specified in the ISO-8601 duration format. The retention period can be in years, months, days, hours or minutes. A period specified for years, months and days is represented in the ISO-8601 format as "P&lt;num&gt;Y", "P&lt;num&gt;M", "P&lt;num&gt;D" respectively. For example "P10Y" represents a duration of 10 years. Similarly, a duration in hours, minutes is represented by "PT&lt;num&gt;H", "PT&lt;num&gt;M" respectively. The period string must contain only a single time element i.e. either years, months, days, hours or minutes. A duration which combines different periods is not supported, example "P1Y10M" is not supported. Apart from the duration specified in the ISO-8601 format, the retention period field also accepts the string "infinite".</p>
svm	svm	

## Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "retention_period": "P30M",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

## Error

Status: Default, Error

Name	Type	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	Type	Description
href	string	

\_links

Name	Type	Description
self	<a href="#">href</a>	

svm

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

error

Name	Type	Description
arguments	array[ <a href="#">error_arguments</a> ]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

# Update the retention period of an EBR policy

PATCH /storage/snaplock/event-retention/policies/{policy.name}

Updates the retention period of an Event Based Retention (EBR) policy.

## Related ONTAP commands

- `snaplock event-retention policy modify`

## Example

Updates the retention period of an EBR policy "policy\_name":

```
PATCH "/api/storage/snaplock/event-retention/policies/" '{"name":  
"policy_name","retention_period": "P20Y"}'
```

## Learn more

- [DOC /storage/snaplock/event-retention/policies](#)

## Parameters

Name	Type	In	Required	Description
policy.name	string	path	True	Name of the retention policy

## Request Body

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	Specifies the EBR policy name

Name	Type	Description
retention_period	string	<p>Specifies the retention period of an EBR policy. The retention period value represents a duration and must be specified in the ISO-8601 duration format. The retention period can be in years, months, days, hours or minutes. A period specified for years, months and days is represented in the ISO-8601 format as "P&lt;num&gt;Y", "P&lt;num&gt;M", "P&lt;num&gt;D" respectively. For example "P10Y" represents a duration of 10 years. Similarly, a duration in hours, minutes is represented by "PT&lt;num&gt;H", "PT&lt;num&gt;M" respectively. The period string must contain only a single time element i.e. either years, months, days, hours or minutes. A duration which combines different periods is not supported, example "P1Y10M" is not supported. Apart from the duration specified in the ISO-8601 format, the retention period field also accepts the string "infinite".</p>
svm	svm	



## Example request

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "retention_period": "P30M",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

## Response

Status: 200, Ok

## Error

Status: Default, Error

Name	Type	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	Type	Description
href	string	

\_links

Name	Type	Description
self	<a href="#">href</a>	

svm

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

snaplock\_retention\_policy

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	Specifies the EBR policy name

Name	Type	Description
retention_period	string	Specifies the retention period of an EBR policy. The retention period value represents a duration and must be specified in the ISO-8601 duration format. The retention period can be in years, months, days, hours or minutes. A period specified for years, months and days is represented in the ISO-8601 format as "P<num>Y", "P<num>M", "P<num>D" respectively. For example "P10Y" represents a duration of 10 years. Similarly, a duration in hours, minutes is represented by "PT<num>H", "PT<num>M" respectively. The period string must contain only a single time element i.e. either years, months, days, hours or minutes. A duration which combines different periods is not supported, example "P1Y10M" is not supported. Apart from the duration specified in the ISO-8601 format, the retention period field also accepts the string "infinite".</num></num></num></num>
svm	<a href="#">svm</a>	

#### error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

#### error

Name	Type	Description
arguments	array[ <a href="#">error_arguments</a> ]	Message arguments
code	string	Error code

<b>Name</b>	<b>Type</b>	<b>Description</b>
message	string	Error message
target	string	The target parameter that caused the error.

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