



Manage SnapLock file retention time

REST API reference

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Manage SnapLock file retention time

Manage SnapLock file retention time

This API manages the SnapLock retention time of a file. You can perform a privileged-delete operation by executing this API.

Examples

1. Sets the SnapLock retention time of a file:

```
PATCH "/api/storage/snaplock/file/000dc5fd-4175-11e9-b937-0050568e3f82/%2Ffile2.txt" '{"expiry_time": "2030-02-14T18:30:00+5:30"}'
```

1. Extends the retention time of a WORM file:

```
PATCH "/api/storage/snaplock/file/000dc5fd-4175-11e9-b937-0050568e3f82/%2Ffile2.txt" '{"expiry_time": "infinite"}'
```

1. Extends the retention time of a WORM file:

```
PATCH "/api/storage/snaplock/file/000dc5fd-4175-11e9-b937-0050568e3f82/%2Ffile2.txt" {"retention_period": "P1M"}
```

1. Extends the retention time of a WORM file:

```
PATCH "/api/storage/snaplock/file/000dc5fd-4175-11e9-b937-0050568e3f82/%2Ffile2.txt" {"retention_period": "infinite"}
```

Delete unexpired WORM files of a SnapLock enterprise volume

```
DELETE /storage/snaplock/file/{volume.uuid}/{path}
```

Introduced In: 9.7

Deletes unexpired WORM files of a SnapLock Enterprise volume. This is a privileged-delete operation. The only built-in role that has access to the command is vsadmin-snaplock.

Related ONTAP commands

- `volume file privileged-delete`

Learn more

- [DOC /storage/snaplock/file/{volume.uuid}/{path}](#)

Parameters

| Name | Type | In | Required | Description |
|----------------|---------|-------|----------|--|
| volume.uuid | string | path | True | Volume UUID |
| path | string | path | True | Path of the file in the form "/<filepath>/<filename>" |
| return_timeout | integer | query | False | <p>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.</p> <ul style="list-style-type: none">• Default value: 0• Max value: 120• Min value: 0 |

Response

Status: 200, Ok

| Name | Type | Description |
|------|----------|-------------|
| job | job_link | |

Example response

```
{  
  "job": {  
    "_links": {  
      "self": {  
        "href": "/api/resourcelink"  
      }  
    },  
    "uuid": "string"  
  }  
}
```

Response

Status: 202, Accepted

Error

Status: Default

ONTAP Error Response codes

| Error code | Description |
|------------|--|
| 262179 | Unexpected argument "<file_name>\"</file_name>" |
| 6691623 | User is not authorized |
| 13763162 | SnapLock audit log volume is not configured for the SVM |
| 13763280 | Only a user with the security login role "vsadmin-snaplock" is allowed to perform this operation |
| 14090347 | File path must be in the format "V<dir>V<file path>" |
| 917804 | Path should be given in the format "\vol<volume name>V<file path>". |

| 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 |
|------|------|-------------|
| self | href | |

job_link

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

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 SnapLock retention details of a file

GET /storage/snaplock/file/{volume.uuid}/{path}

Introduced In: 9.7

Retrieves the SnapLock retention details of the specified file. An indefinite expiry time indicates the file is under a Legal-Hold.

Related ONTAP commands

- volume file retention show

Learn more

- [DOC /storage/snaplock/file/{volume.uuid}/{path}](#)

Parameters

| Name | Type | In | Required | Description |
|-------------|---------------|-------|----------|--|
| volume.uuid | string | path | True | Volume UUID |
| path | string | path | True | Path of the file in the form "/<dirpath>/<filename>" |
| fields | array[string] | query | False | Specify the fields to return. |

Response

Status: 200, Ok

| Name | Type | Description |
|-------------|------------------------|--|
| _links | _links | |
| expiry_time | string | Expiry time of the file in date-time format, "infinite", "indefinite", or "unspecified". An "infinite" retention time indicates that the file will be retained forever. An "unspecified" retention time indicates that the file will be retained forever; however, the retention time of the file can be changed to an absolute value. An "indefinite" retention time indicates that the file is under Legal-Hold. |
| file_path | string | Specifies the volume relative path of the file |

| Name | Type | Description |
|----------------------|---------|--|
| is_expired | boolean | This indicates if the file is under active retention or if the file is past its expiry time. |
| seconds_until_expiry | integer | Specifies the number of seconds until the expiration time of the file. |
| svm | svm | SVM, applies only to SVM-scoped objects. |
| volume | volume | |

Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "expiry_time": "2058-06-04 19:00:00 +0000",
  "file_path": "/dir1/file",
  "is_expired": 1,
  "seconds_until_expiry": 168,
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svml",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "volume": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "volume1",
    "uuid": "028baa66-41bd-11e9-81d5-00a0986138f7"
  }
}
```

Error

Status: Default

ONTAP Error Response codes

| Error code | Description |
|------------|--|
| 262179 | Unexpected argument "<file_name>\"</file_name>" |
| 917864 | Operation not supported |
| 6691623 | User is not authorized |
| 13762592 | Operation not supported on non-SnapLock volume |
| 14090347 | File path must be in the format "\<dir>\<file path>" |
| 917804 | Path should be given in the format "\vol\<volume name>\<file path>". |

| 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 |
|------|------|-------------|
| self | href | |

svm

SVM, applies only to SVM-scoped objects.

| Name | Type | Description |
|--------|--------|---|
| _links | _links | |
| name | string | The name of the SVM. This field cannot be specified in a PATCH method. |
| uuid | string | The unique identifier of the SVM. This field cannot be specified in a PATCH method. |

volume

| Name | Type | Description |
|--------|--------|---|
| _links | _links | |
| name | string | The name of the volume. This field cannot be specified in a PATCH method. |
| uuid | string | Unique identifier for the volume. This corresponds to the instance-uuid that is exposed in the CLI and ONTAPI. It does not change due to a volume move. <ul style="list-style-type: none">example: 028baa66-41bd-11e9-81d5-00a0986138f7Introduced in: 9.6x-nullable: true |

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 the SnapLock retention time of a file

PATCH /storage/snaplock/file/{volume.uuid}/{path}

Introduced In: 9.7

Updates the SnapLock retention time of a file or extends the retention time of a WORM file. Input parameters "expiry_time" or "retention_period" can be used to set or extend the retention time of file. Both "expiry_time" and "retention_period" parameters expect the date in ISO 8601 format. Additionally, the "expiry_time" parameter can also be set to "infinite" or "unspecified" and the "retention_period" parameter can also be set to "infinite". The input parameters are mutually exclusive.

Related ONTAP commands

- volume file retention set

Learn more

- [DOC /storage/snaplock/file/{volume.uuid}/{path}](#)

Parameters

| Name | Type | In | Required | Description |
|-------------|--------|------|----------|-------------|
| volume.uuid | string | path | True | Volume UUID |

| Name | Type | In | Required | Description |
|------|--------|------|----------|---|
| path | string | path | True | Path of the file in the form "/<filepath>/<filename>" |

Request Body

| Name | Type | Description |
|----------------------|---------|--|
| expiry_time | string | Expiry time of the file in date-time format, "infinite", "indefinite", or "unspecified". An "infinite" retention time indicates that the file will be retained forever. An "unspecified" retention time indicates that the file will be retained forever; however, the retention time of the file can be changed to an absolute value. An "indefinite" retention time indicates that the file is under Legal-Hold. |
| is_expired | boolean | This indicates if the file is under active retention or if the file is past its expiry time. |
| retention_period | string | Duration of retention time file to be locked with, An "infinite" retention period indicates that the file will be retained forever. |
| seconds_until_expiry | integer | Specifies the number of seconds until the expiration time of the file. |

Example request

```
{
  "expiry_time": "2058-06-04 19:00:00 +0000",
  "is_expired": 1,
  "retention_period": "P2M",
  "seconds_until_expiry": 168
}
```

Response

Status: 200, Ok

Error

Status: Default

ONTAP Error Response codes

| Error code | Description |
|------------|---|
| 262179 | Unexpected argument "<file_name>\"</file_name>" |
| 262186 | Field "expiry_time" cannot be used with field "retention_period" |
| 6691623 | User is not authorized |
| 13763279 | The resulting expiry time due to the specified retention period is earlier than the current expiry time |
| 14090348 | Invalid Expiry time |
| 14090347 | File path must be in the format "\<dir>\<file path>" |
| 917804 | Path should be given in the format "\vol\<volume name>\<file path>". |

Definitions

See Definitions

href

| Name | Type | Description |
|------|--------|-------------|
| href | string | |

_links

svm

SVM, applies only to SVM-scoped objects.

| Name | Type | Description |
|------|--------|---|
| name | string | The name of the SVM. This field cannot be specified in a PATCH method. |
| uuid | string | The unique identifier of the SVM. This field cannot be specified in a PATCH method. |

volume

| Name | Type | Description |
|------|--------|---|
| name | string | The name of the volume. This field cannot be specified in a PATCH method. |
| uuid | string | Unique identifier for the volume. This corresponds to the instance-uuid that is exposed in the CLI and ONTAPI. It does not change due to a volume move. <ul style="list-style-type: none">example: 028baa66-41bd-11e9-81d5-00a0986138f7Introduced in: 9.6x-nullable: true |

snaplock_file_retention

| Name | Type | Description |
|----------------------|---------|--|
| expiry_time | string | Expiry time of the file in date-time format, "infinite", "indefinite", or "unspecified". An "infinite" retention time indicates that the file will be retained forever. An "unspecified" retention time indicates that the file will be retained forever; however, the retention time of the file can be changed to an absolute value. An "indefinite" retention time indicates that the file is under Legal-Hold. |
| is_expired | boolean | This indicates if the file is under active retention or if the file is past its expiry time. |
| retention_period | string | Duration of retention time file to be locked with, An "infinite" retention period indicates that the file will be retained forever. |
| seconds_until_expiry | integer | Specifies the number of seconds until the expiration time of the file. |

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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