Manage the SnapLock ComplianceClock

REST API reference

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Manage the SnapLock ComplianceClock

Storage SnapLock compliance-clocks endpoint overview

This API manages the ComplianceClock of the system. ComplianceClock determines the expiry time of the SnapLock objects in the system. The user can initialize the ComplianceClock. The ComplianceClock can be re-initialized if all nodes in the cluster are healthy, all volumes are in online state, no volumes are present in the volume recovery queue and there are no SnapLock volumes or volumes with "snapshot-locking-enabled" set to true or S3 buckets with object locking enabled.

Retrieve the SnapLock ComplianceClock for nodes in a cluster

GET `/storage/snaplock/compliance-clocks`

Introduced In: 9.7

Retrieves the SnapLock ComplianceClock for all of the nodes in the cluster.

Related ONTAP commands

- `snaplock compliance-clock show`

Learn more

- DOC /storage/snaplock/compliance-clocks

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. • Default value: 1 • Max value: 120 • Min value: 0
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
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[snaplock_compliance_clock]	

Example response


```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": [
    {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "node": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "node1",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      },
      "time": "2018-06-04 15:00:00 -0400"
    }
  ]
}
```


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	

_links

Name	Type	Description
self	href	

node

Name	Type	Description
_links	_links	
name	string	
uuid	string	

snaplock_compliance_clock

Name	Type	Description
_links	_links	
node	node	
time	string	Compliance clock time

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.

Initialize a SnapLock ComplianceClock

POST `/storage/snaplock/compliance-clocks`

Introduced In: 9.10

Initializes the SnapLock ComplianceClock.

Required properties

- `node.name` or `node.uuid` - Name or UUID of the node.

Related ONTAP commands

- `snaplock compliance-clock initialize`

Learn more

- DOC /storage/snaplock/compliance-clocks

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:

Request Body

Name	Type	Description
node	node	

Name	Type	Description
time	string	Compliance clock time

Example request

```
{
  "node": {
    "name": "node1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "time": "2018-06-04 15:00:00 -0400"
}
```

Response

```
Status: 201, Created
```

Headers

Name	Description	Type
Location	Useful for tracking the resource location	string

Error

```
Status: Default
```

ONTAP Error Response codes

Error code	Description
13763062	Compliance Clock already initialized
13763084	ComplianceClock re-initialization failed as it requires that all nodes in the cluster are healthy, all volumes are in online state, no volumes are present in the volume recovery queue and there are no SnapLock volumes or volumes with "snapshot-locking-enabled" set to true or S3 buckets with object locking enabled.
13763085	ComplianceClock re-initialization supported on effective cluster version of ONTAP 9.14.1 or later.
14090240	Node with the specified UUID does not exist

Error code	Description
14090241	The specified node name and node UUID refer to different nodes
14090343	Invalid field

Definitions

See Definitions

href

Name	Type	Description
href	string	

_links

node

Name	Type	Description
name	string	
uuid	string	

snaplock_compliance_clock

Name	Type	Description
node	node	
time	string	Compliance clock time

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 a SnapLock ComplianceClock for a node

GET `/storage/snaplock/compliance-clocks/{node.uuid}`

Introduced In: 9.7

Retrieves the SnapLock ComplianceClock for a specific node.

Related ONTAP commands

- `snaplock compliance-clock show`

Learn more

- DOC /storage/snaplock/compliance-clocks

Parameters

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

Response

```
Status: 200, Ok
```

Name	Type	Description
_links	_links	
node	node	
time	string	Compliance clock time

Example response


```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "node": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "node1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "time": "2018-06-04 15:00:00 -0400"
}
```


Error

```
Status: Default
```

ONTAP Error Response codes

Error code	Description
14090240	A node with the specified UUID does not exist
14090446	Invalid session ID

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	

node

Name	Type	Description
_links	_links	
name	string	
uuid	string	

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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