



# Manage the anti-ransomware package

## ONTAP REST API reference

NetApp  
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# Manage the anti-ransomware package

## Security anti-ransomware endpoint overview

### Overview

This API displays and manages the anti-ransomware version.

### Examples

#### Retrieving the anti-ransomware versions of all nodes in the cluster.

The following example shows how to retrieve anti-ransomware versions.

```
# The API:
GET /security/anti-ransomware

# The call:
curl -X GET "https://<mgmt-ip>/api/security/anti-ransomware" -H "accept:
application/hal+json"

# The response:
{
  "nodes": [
    {
      "name": "still-vsimsim-ucs573i",
      "version": "1.0"
    },
    {
      "name": "still-vsimsim-ucs573j",
      "version": "1.0"
    }
  ],
  "_links": {
    "self": {
      "href": "/api/security/anti-ransomware/"
    }
  }
}
```

---

### Updating the anti-ransomware package

The following example shows how to update the anti-ransomware package on the cluster.

```
# The API:
PATCH /security/anti-ransomware

# The call:
curl -X PATCH "https://<mgmt-ip>/api/security/anti-ransomware" -H "accept:
application/hal+json" -d '{"uri": "http://server/package"}'

# The response:
{
  "job": {
    "uuid": "74d0faef-3e1a-11ef-af89-005056ac6d8a",
    "_links": {
      "self": {
        "href": "/api/cluster/jobs/74d0faef-3e1a-11ef-af89-005056ac6d8a"
      }
    }
  }
}
```

---

The call to update the anti-ransomware package returns the job UUID, including a HAL link to retrieve details about the job. The job object includes a `state` field and a message to indicate the progress of the job. When the job is complete and the application is fully created, the message indicates success and the job `state` field is set to `success`.

```

# The API:
/api/cluster/jobs/{uuid}

# The call:
curl -X GET "https://<mgmt-ip>/api/cluster/jobs/74d0faef-3e1a-11ef-af89-005056ac6d8a" -H "accept: application/hal+json"

# The response:
{
  "uuid": "74d0faef-3e1a-11ef-af89-005056ac6d8a",
  "description": "PATCH /api/security/anti-ransomware",
  "state": "success",
  "message": "success",
  "code": 0,
  "_links": {
    "self": {
      "href": "/api/cluster/jobs/74d0faef-3e1a-11ef-af89-005056ac6d8a"
    }
  }
}

```

## Retrieve the anti-ransomware version of the nodes in the cluster

GET /security/anti-ransomware

**Introduced In:** 9.16

Retrieves the anti-ransomware version of the nodes in the cluster.

### Related ONTAP commands

- `security anti-ransomware show`

### Parameters

Name	Type	In	Required	Description
fields	array[string]	query	False	Specify the fields to return.

Name	Type	In	Required	Description
return_timeout	integer	query	False	<p>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.</p> <ul style="list-style-type: none"> <li>• Default value: 1</li> <li>• Max value: 120</li> <li>• Min value: 0</li> </ul>

## Response

Status: 200, Ok

Name	Type	Description
nodes	array[ <a href="#">anti_ransomware_node</a> ]	
uri	string	URI of the anti-ransomware package through a server

## Example response

```
{
  "nodes": [
    {
      "name": "node1",
      "version": "1.0"
    }
  ],
  "uri": "http://server/package"
}
```

## Error

Status: Default, Error

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

### Example error

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

## Definitions

## See Definitions

anti\_ransomware\_node

Name	Type	Description
name	string	Name of the node.
version	string	Anti-ransomware version.

error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned\_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 anti-ransomware package on the cluster

```
PATCH /security/anti-ransomware
```

**Introduced In:** 9.16

Updates the anti-ransomware package on the cluster.

### Required properties

- `uri` - URI of the anti-ransomware package

### Related ONTAP commands

- `security anti-ransomware update-package-from-uri`



## Parameters

Name	Type	In	Required	Description
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"><li>• Default value: 1</li><li>• Max value: 120</li><li>• Min value: 0</li></ul>

## Request Body

Name	Type	Description
nodes	array[ <a href="#">anti_ransomware_node</a> ]	
uri	string	URI of the anti-ransomware package through a server

## Example request

```
{
  "nodes": [
    {
      "name": "node1",
      "version": "1.0"
    }
  ],
  "uri": "http://server/package"
}
```

## Response

Status: 200, Ok

Name	Type	Description
job	<a href="#">job_link</a>	

## Example response

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

## Response

Status: 202, Accepted

## Error

Status: Default

## ONTAP Error Response Codes

Error Code	Description
203161684	Autonomous Ransomware Protection (ARP) package file must be either a .tar or .tgz file.
203161685	Autonomous Ransomware Protection (ARP) package file download failed.
203161686	Autonomous Ransomware Protection (ARP) package file unzip failed.
203161687	Autonomous Ransomware Protection (ARP) package file untar failed.
203161688	Autonomous Ransomware Protection (ARP) package archive invalid. No ARP version file found.
203161689	Internal error. Filesystem error while installing Autonomous Ransomware Protection (ARP) package file.
203161690	Autonomous Ransomware Protection (ARP) package update requires an effective cluster version of 9.16.1 or later.
203161691	Autonomous Ransomware Protection (ARP) package file is invalid. The checksum verification of the ARP configuration files failed.
203161692	Autonomous Ransomware Protection (ARP) package update failed because one or more nodes are not healthy.
203161694	Failed to update the Autonomous Ransomware Protection (ARP) package file because the <code>uri</code> property was not specified.

Also see the table of common errors in the [Response body](#) overview section of this documentation.

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

## Example error

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

## Definitions

## See Definitions

### anti\_ransomware\_node

Name	Type	Description
name	string	Name of the node.
version	string	Anti-ransomware version.

### anti\_ransomware

Name	Type	Description
nodes	array[ <a href="#">anti_ransomware_node</a> ]	
uri	string	URI of the anti-ransomware package through a server

### href

Name	Type	Description
href	string	

### \_links

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

### job\_link

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

<b>Name</b>	<b>Type</b>	<b>Description</b>
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.

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