# Manage Vscan On-Demand policies

## REST API reference

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# Manage Vscan On-Demand policies

## Manage Vscan On-Demand policies

### Overview

Vscan On-Demand scanning is used to check files for viruses on a schedule. For example, it can be used to run scans only in off-peak hours, or to scan very large files that are excluded from an on-access scan. Vscan On-Demand scanning can be used for any path in the SVM namespace.

Vscan On-Demand policy configurations define the scope of a Vscan On-Demand scan. The schedule parameter in the On-Demand policy configuration decides when to execute the task. Schedule can be created using the /api/clusters/schedule endpoint and can be assigned on policy create or policy modify. This API is used to retrieve and manage Vscan On-Demand policy configurations. It is also used to schedule the Vscan On-Demand scan.

### Examples

#### Retrieving all fields for all policies of an SVM

```
# The API:
/api/protocols/vscan/{svm.uuid}/on-demand-policies/

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/vscan/{svm.uuid}/on-demand-
policies?fields=*" -H "accept: application/hal+json"

# The response:
{
"records": [
  {
    "svm": {
      "uuid": "86fbc414-f140-11e8-8e22-0050568e0945",
      "name": "vs1",
      "_links": {
        "self": {
          "href": "/api/svm/svms/86fbc414-f140-11e8-8e22-0050568e0945"
        }
      }
    },
    "name": "on-demand-policy1",
    "scan_paths": [
      "/vol1/",
      "/vol2/cifs/"
    ],
```

```
    "log_path": "/vol0/report_dir",
    "schedule": {
      "uuid": "f6d0843e-f159-11e8-8e22-0050568e0945",
      "name": "schedule",
      "_links": {
        "self": {
          "href": "/api/cluster/schedules/f6d0843e-f159-11e8-8e22-
0050568e0945"
        }
      }
    },
    "scope": {
      "max_file_size": 10737418240,
      "exclude_paths": [
        "/vol1/cold-files/",
        "/vol1/cifs/names"
      ],
      "include_extensions": [
        "vmdk",
        "mp*"
      ],
      "exclude_extensions": [
        "mp3",
        "mp4"
      ],
      "scan_without_extension": false
    },
    "_links": {
      "self": {
        "href": "/api/protocols/vscan/86fbc414-f140-11e8-8e22-
0050568e0945/on-demand-policies/policy1"
      }
    }
  },
  {
    "svm": {
      "uuid": "86fbc414-f140-11e8-8e22-0050568e0945",
      "name": "vs1",
      "_links": {
        "self": {
          "href": "/api/svm/svms/86fbc414-f140-11e8-8e22-0050568e0945"
        }
      }
    },
    "name": "on-demand-policy2",
    "scan_paths": [
```

```
      "/vol1/",
      "/vol2/cifs/"
    ],
    "log_path": "/report",
    "scope": {
      "max_file_size": 10737418240,
      "include_extensions": [
        "mp*"
      ],
      "scan_without_extension": true
    },
    "_links": {
      "self": {
        "href": "/api/protocols/vscan/86fbc414-f140-11e8-8e22-
0050568e0945/on-demand-policies/policy2"
      }
    }
  }
],
"num_records": 2,
"_links": {
  "self": {
    "href": "/api/protocols/vscan/86fbc414-f140-11e8-8e22-0050568e0945/on-
demand-policies?fields=*"
  }
}
}
```

**Retrieving a specific On-Demand policy associated with a specified SVM**

```
# The API:
/api/protocols/vscan/{svm.uuid}/on-demand-policies/{name}

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/vscan/86fbc414-f140-11e8-
8e22-0050568e0945/on-demand-policies/on-demand-task" -H "accept:
application/json"

# The response:
{
"svm": {
  "uuid": "86fbc414-f140-11e8-8e22-0050568e0945",
  "name": "vs1",
  "_links": {
    "self": {
      "href": "/api/svm/svms/86fbc414-f140-11e8-8e22-0050568e0945"
    }
  }
},
"name": "on-demand-policy",
"scan_paths": [
  "/vol1/cifs"
],
"log_path": "/report",
"scope": {
  "max_file_size": 10737418240,
  "include_extensions": [
    "vmdk",
    "mp*"
  ],
  "scan_without_extension": true
},
"_links": {
  "self": {
    "href": "/api/protocols/vscan/86fbc414-f140-11e8-8e22-0050568e0945/on-
demand-policies/policy2"
  }
}
}
```

#### Creating a Vscan On-Demand policy

The Vscan On-Demand policy POST endpoint creates an On-Demand policy for the specified SVM. Specify the schedule parameter to schedule an On-Demand scan.

```
# The API:
/api/protocols/vscan/{svm.uuid}/on-demand-policies

# The call:
curl -X POST "https://<mgmt-ip>/api/protocols/vscan/86fbc414-f140-11e8-
8e22-0050568e0945/on-demand-policies?return_records=true" -H "accept:
application/json" -H "Content-Type: application/json" -d "{ \"log_path\":
\"/vol0/report_dir\", \"name\": \"on-demand-policy\", \"scan_paths\": [
\"/vol1/\", \"/vol2/cifs/\" ], \"schedule\": { \"name\": \"weekly\",
\"uuid\": \"1cd8a442-86d1-11e0-ae1c-123478563412\" }, \"scope\": {
\"exclude_extensions\": [ \"mp3\" ], \"exclude_paths\": [ \"/vol/cold-
files/\" ], \"include_extensions\": [ \"vmdk\", \"mp*\" ],
\"max_file_size\": 1073741824, \"scan_without_extension\": true }}"

# The response:
{
"num_records": 1,
"records": [
  {
    "svm": {
      "name": "vs1"
    },
    "name": "on-demand-policy",
    "scan_paths": [
      "/vol1/",
      "/vol2/cifs/"
    ],
    "log_path": "/vol0/report_dir",
    "schedule": {
      "name": "weekly"
    },
    "scope": {
      "max_file_size": 1073741824,
      "exclude_paths": [
        "/vol/cold-files/"
      ],
      "include_extensions": [
        "vmdk",
        "mp*"
      ],
      "exclude_extensions": [
        "mp3"
      ],
      "scan_without_extension": true
    }
```

```
  }
]
}
```

#### Creating a Vscan On-Demand policy where a number of optional fields are not specified

```
# The API:
/api/protocols/vscan/{svm.uuid}/on-demand-policies

# The call:
curl -X POST "https://<mgmt-ip>/api/protocols/vscan/86fbc414-f140-11e8-
8e22-0050568e0945/on-demand-policies?return_records=true" -H "accept:
application/json" -H "Content-Type: application/json" -d "{ \"log_path\":
\"/report\", \"name\": \"on-demand-policy\", \"scan_paths\": [
\"/vol1/cifs/\" ], \"scope\": { \"include_extensions\": [ \"mp*\" ],
\"scan_without_extension\": true }}"

# The response:
{
"num_records": 1,
"records": [
  {
    "svm": {
      "name": "vs1"
    },
    "name": "on-demand-policy",
    "scan_paths": [
      "vol1/cifs/"
    ],
    "log_path": "/report",
    "scope": {
      "max_file_size": 10737418240,
      "include_extensions": [
        "vmdk",
        "mp*"
      ],
      "scan_without_extension": true
    }
  }
]
}
```

#### Updating a Vscan On-Demand policy

The policy being modified is identified by the UUID of the SVM and the policy name.

```
# The API:
/api/protocols/vscan/{svm.uuid}/on-demand-policies/{name}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/protocols/vscan/86fbc414-f140-11e8-
8e22-0050568e0945/on-demand-policies/on-demand-policy" -H "accept:
application/json" -H "Content-Type: application/json" -d "{ \"schedule\":
{ \"name\": \"weekly\" }, \"scope\": { \"exclude_extensions\": [ \"mp3\"
], \"exclude_paths\": [ \"/vol/\" ], \"include_extensions\": [ \"vmdk\",
\"mp3\" ], \"scan_without_extension\": true }}"
```

#### Deleting a Vscan On-Demand policy

The policy to be deleted is identified by the UUID of the SVM and the policy name.

```
# The API:
/api/protocols/vscan/{svm.uuid}/on-demand-policies/{name}

# The call:
curl -X DELETE "https://<mgmt-ip>/api/protocols/vscan/86fbc414-f140-11e8-
8e22-0050568e0945/on-demand-policies/on-demand-policy" -H "accept:
application/hal+json"
```

# Retrieves the vscan on-demand policy

**related ontap commands**

- `vserver vscan on-demand-task show` # learn more
- [`doc /protocols/vscan/{svmuuid}/on-demand-policies`](#docs-nas-protocols_vscan_{svmuuid}_on-demand-policies)

GET `/protocols/vscan/{svm.uuid}/on-demand-policies`

**Introduced In:** 9.6

Retrieves the Vscan On-Demand policy.

## Related ONTAP commands

- `vserver vscan on-demand-task show`

## Learn more

- DOC /protocols/vscan/{svm.uuid}/on-demand-policies

## Parameters

| Name | Type | In | Required | Description |
|---|---|---|---|---|
| scope.max_file_size | integer | query | False | Filter by scope.max_file_size |
| scope.exclude_paths | string | query | False | Filter by scope.exclude_paths |
| scope.include_extensions | string | query | False | Filter by scope.include_extensions |
| scope.exclude_extensions | string | query | False | Filter by scope.exclude_extensions |
| scope.scan_without_extension | boolean | query | False | Filter by scope.scan_without_extension |
| schedule.name | string | query | False | Filter by schedule.name |
| schedule.uuid | string | query | False | Filter by schedule.uuid |
| name | string | query | False | Filter by name |
| scan_paths | string | query | False | Filter by scan_paths |
| log_path | string | query | False | Filter by log_path |
| svm.uuid | string | path | True | UUID of the SVM to which this object belongs. |

| 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. |
| return_records | boolean | query | False | The default is true for GET calls. When set to false, only the number of records is returned.<br>• Default value: 1 |
| 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.<br>• Default value: 15<br>• Max value: 120<br>• Min value: 0 |
| 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[vscan_on_demand] | |

### Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "records": [
    {
      "log_path": "/vol0/report_dir",
      "name": "task-1",
      "scan_paths": [
        "/vol1/",
        "/vol2/cifs/"
      ],
      "schedule": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "weekly",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      },
      "scope": {
        "exclude_extensions": [
          "mp3",
          "mp4"
        ],
        "exclude_paths": [
          "/vol1/cold-files/",
          "/vol1/cifs/names"
        ],
        "include_extensions": [
          "vmdk",
          "mp*"
        ],
        "max_file_size": "10737418240"
      }
    }
  ]
}
```

## 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 | href | |
| self | href | |

_links

| Name | Type | Description |
|---|---|---|
| self | href | |

schedule

Schedule of the task.

| Name | Type | Description |
|---|---|---|
| _links | _links | |
| name | string | Job schedule name |
| uuid | string | Job schedule UUID |

scope

| Name | Type | Description |
|---|---|---|
| exclude_extensions | array[string] | List of file extensions for which scanning is not performed. |
| exclude_paths | array[string] | List of file paths for which scanning must not be performed. |
| include_extensions | array[string] | List of file extensions to be scanned. |
| max_file_size | integer | Maximum file size, in bytes, allowed for scanning. |

| Name | Type | Description |
|---|---|---|
| scan_without_extension | boolean | Specifies whether or not files without any extension can be scanned. |

vscan_on_demand

Use On-Demand scanning to check files for viruses on a schedule. An On-Demand policy defines the scope of an On-Demand scan.

| Name | Type | Description |
|---|---|---|
| log_path | string | The path from the Vserver root where the task report is created. |
| name | string | On-Demand task name |
| scan_paths | array[string] | List of paths that need to be scanned. |
| schedule | schedule | Schedule of the task. |
| scope | scope | |

error_arguments

| Name | Type | Description |
|---|---|---|
| code | string | Argument code |
| message | string | Message argument |

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. |

# Creates a vscan on-demand policy created only on a data svm

</br> important notes: * only one policy can be scheduled at a time on an svm use schedule name or schedule uuid to schedule an on-demand policy * scanning must be enabled on the svm before the policy is scheduled to run * the exclude_extensions setting overrides the include_extensions setting set scan_without_extension to true to scan files without extensions # required properties * `svmuuid` - existing svm in which to create the vscan on-demand policy * `name` - name of the vscan on-demand policy maximum length is 256 characters * `log_path` - path from the vserver root where the on-demand policy report is created * `scan_paths` - list of paths that need to be scanned # recommended optional properties * `schedule` - scan schedule it is recommended to set the schedule property, as it dictates when to scan for viruses # default property values if not specified in post, the following default property values are assigned: * `include_extensions` - * * `max_file_size` - *10737418240* * `scan_without_extension` - *true* # related ontap commands * `vserver vscan on-demand-task create` * `vserver vscan on-demand-task schedule` # learn more * [doc /protocols/vscan/{svmuuid}/on-demand-policies](#docs-nas-protocols_vscan_{svmuuid}_on-demand-policies)

POST `/protocols/vscan/{svm.uuid}/on-demand-policies`

**Introduced In:** 9.6

Creates a Vscan On-Demand policy. Created only on a data SVM.

Important notes:

- Only one policy can be scheduled at a time on an SVM. Use schedule name or schedule uuid to schedule an On-Demand policy.
- Scanning must be enabled on the SVM before the policy is scheduled to run.
- The exclude_extensions setting overrides the include_extensions setting. Set scan_without_extension to true to scan files without extensions.

## Required properties

- `svm.uuid` - Existing SVM in which to create the Vscan On-Demand policy.
- `name` - Name of the Vscan On-Demand policy. Maximum length is 256 characters.
- `log_path` - Path from the Vserver root where the On-Demand policy report is created.
- `scan_paths` - List of paths that need to be scanned.

## Recommended optional properties

- `schedule` - Scan schedule. It is recommended to set the schedule property, as it dictates when to scan for viruses.

## Default property values

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

- `include_extensions` - *
- `max_file_size` - *10737418240*

- `scan_without_extension` - *true*

## Related ONTAP commands

- `vserver vscan on-demand-task create`
- `vserver vscan on-demand-task schedule`

## Learn more

- DOC /protocols/vscan/{svm.uuid}/on-demand-policies

## Parameters

| Name | Type | In | Required | Description |
|---|---|---|---|---|
| return_records | boolean | query | False | The default is false. If set to true, the records are returned.<br>• Default value: |
| svm.uuid | string | path | True | UUID of the SVM to which this object belongs. |

## Request Body

| Name | Type | Description |
|---|---|---|
| log_path | string | The path from the Vserver root where the task report is created. |
| name | string | On-Demand task name |
| scan_paths | array[string] | List of paths that need to be scanned. |
| schedule | schedule | Schedule of the task. |
| scope | scope | |

**Example request**

```
{
  "log_path": "/vol0/report_dir",
  "name": "task-1",
  "scan_paths": [
    "/vol1/",
    "/vol2/cifs/"
  ],
  "schedule": {
    "name": "weekly",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "scope": {
    "exclude_extensions": [
      "mp3",
      "mp4"
    ],
    "exclude_paths": [
      "/vol1/cold-files/",
      "/vol1/cifs/names"
    ],
    "include_extensions": [
      "vmdk",
      "mp*"
    ],
    "max_file_size": "10737418240"
  }
}
```

## Response

```
Status: 201, Created
```

| Name | Type | Description |
|---|---|---|
| num_records | integer | Number of records |
| records | array[vscan_on_demand] | |

**Example response**


```
{
  "records": [
    {
      "log_path": "/vol0/report_dir",
      "name": "task-1",
      "scan_paths": [
        "/vol1/",
        "/vol2/cifs/"
      ],
      "schedule": {
        "name": "weekly",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      },
      "scope": {
        "exclude_extensions": [
          "mp3",
          "mp4"
        ],
        "exclude_paths": [
          "/vol1/cold-files/",
          "/vol1/cifs/names"
        ],
        "include_extensions": [
          "vmdk",
          "mp*"
        ],
        "max_file_size": "10737418240"
      }
    }
  ]
}
```


## Error

```
Status: Default
```

ONTAP Error Response Codes

| Error Code | Description |
| --- | --- |
| 10027101 | The file size must be in the range 1KB to 1TB |

| Error Code | Description |
| --- | --- |
| 10027107 | The include extensions list cannot be empty. Specify at least one extension for inclusion. |
| 10027164 | An On-Demand policy cannot be scheduled, as the Vscan is disabled. Enable the Vscan and retry the operation. |
| 10027167 | The specified schedule does not exist. Create the schedule or create a policy without specifying the schedule. |
| 10027168 | The specified scan path does not exist. The scan path must be specified from the root of the SVM, and must begin with UNIX path delimiters (use “/” not “\”) |
| 10027169 | The specified scan path is not supported for scanning. |
| 10027173 | The new On-Demand policy cannot be created as the SVM has reached the maximum number of On-Demand policies allowed. Delete an existing policy in order to create a new policy. |
| 10027174 | The specified exclude path is invalid. The path must be specified from the root of the SVM, and must begin with UNIX path delimiters (use "/" not "\") |
| 10027175 | An On-Demand policy cannot be scheduled as the Vserver is not in an operational state. |
| 10027176 | The log-path specified does not exist. The log path must be specified from the root of the SVM, and must begin with UNIX path delimiters (use “/” not “\”). |
| 10027177 | The log path specified is not supported. |
| 10027253 | The number of paths specified exceeds the configured maximum number of paths. You cannot specify more than the maximum number of configured paths. |
| 10027254 | The number of extensions specified exceeds the configured maximum number of extensions. You cannot specify more than the maximum number of configured extensions. |
| 10027255 | Another policy is already scheduled. Only one policy per SVM is allowed to be scheduled at any one time. Create a policy without specifying a schedule. |

## Definitions

**See Definitions**

href

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

_links

schedule

Schedule of the task.

| Name | Type | Description |
|---|---|---|
| name | string | Job schedule name |
| uuid | string | Job schedule UUID |

scope

| Name | Type | Description |
|---|---|---|
| exclude_extensions | array[string] | List of file extensions for which scanning is not performed. |
| exclude_paths | array[string] | List of file paths for which scanning must not be performed. |
| include_extensions | array[string] | List of file extensions to be scanned. |
| max_file_size | integer | Maximum file size, in bytes, allowed for scanning. |
| scan_without_extension | boolean | Specifies whether or not files without any extension can be scanned. |

vscan_on_demand

Use On-Demand scanning to check files for viruses on a schedule. An On-Demand policy defines the scope of an On-Demand scan.

| Name | Type | Description |
|---|---|---|
| log_path | string | The path from the Vserver root where the task report is created. |

| Name | Type | Description |
|---|---|---|
| name | string | On-Demand task name |
| scan_paths | array[string] | List of paths that need to be scanned. |
| schedule | schedule | Schedule of the task. |
| scope | scope | |

error_arguments

| Name | Type | Description |
|---|---|---|
| code | string | Argument code |
| message | string | Message argument |

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. |

# Deletes the vscan on-demand configuration

**related ontap commands**

- `vserver vscan on-demand-task delete` # learn more
- [`doc /protocols/vscan/{svmuuid}/on-demand-policies`](#docs-nas-protocols_vscan_{svmuuid}_on-demand-policies)

DELETE `/protocols/vscan/{svm.uuid}/on-demand-policies/{name}`

**Introduced In:** 9.6

Deletes the Vscan On-Demand configuration.

## Related ONTAP commands

- `vserver vscan on-demand-task delete`

## Learn more

- DOC /protocols/vscan/{svm.uuid}/on-demand-policies

## Parameters

| Name | Type | In | Required | Description |
|---|---|---|---|---|
| name | string | path | True | |
| svm.uuid | string | path | True | UUID of the SVM to which this object belongs. |

## 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

error_arguments

| Name | Type | Description |
|---|---|---|
| code | string | Argument code |
| message | string | Message argument |

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. |

# Retrieves the vscan on-demand configuration of an svm

**related ontap commands**

- `vserver vscan on-demand-task show` # learn more
- [`doc /protocols/vscan/{svmuuid}/on-demand-policies`](#docs-nas-protocols_vscan_{svmuuid}_on-demand-policies)

GET `/protocols/vscan/{svm.uuid}/on-demand-policies/{name}`

**Introduced In:** 9.6

Retrieves the Vscan On-Demand configuration of an SVM.

## Related ONTAP commands

- `vserver vscan on-demand-task show`

## Learn more

- DOC /protocols/vscan/{svm.uuid}/on-demand-policies

## Parameters

| Name | Type | In | Required | Description |
|---|---|---|---|---|
| name | string | path | True | |
| svm.uuid | string | path | True | UUID of the SVM to which this object belongs. |
| fields | array[string] | query | False | Specify the fields to return. |

## Response

```
Status: 200, Ok
```

| Name | Type | Description |
|---|---|---|
| log_path | string | The path from the Vserver root where the task report is created. |
| name | string | On-Demand task name |
| scan_paths | array[string] | List of paths that need to be scanned. |

| Name | Type | Description |
|---|---|---|
| schedule | schedule | Schedule of the task. |
| scope | scope | |

**Example response**


```
{
  "log_path": "/vol0/report_dir",
  "name": "task-1",
  "scan_paths": [
    "/vol1/",
    "/vol2/cifs/"
  ],
  "schedule": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "weekly",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "scope": {
    "exclude_extensions": [
      "mp3",
      "mp4"
    ],
    "exclude_paths": [
      "/vol1/cold-files/",
      "/vol1/cifs/names"
    ],
    "include_extensions": [
      "vmdk",
      "mp*"
    ],
    "max_file_size": "10737418240"
  }
}
```


## 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 | href | |

schedule

Schedule of the task.

| Name | Type | Description |
|---|---|---|
| _links | _links | |
| name | string | Job schedule name |
| uuid | string | Job schedule UUID |

scope

| Name | Type | Description |
|---|---|---|
| exclude_extensions | array[string] | List of file extensions for which scanning is not performed. |
| exclude_paths | array[string] | List of file paths for which scanning must not be performed. |
| include_extensions | array[string] | List of file extensions to be scanned. |
| max_file_size | integer | Maximum file size, in bytes, allowed for scanning. |
| scan_without_extension | boolean | Specifies whether or not files without any extension can be scanned. |

error_arguments

| Name | Type | Description |
|---|---|---|
| code | string | Argument code |
| message | string | Message argument |

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. |

# Updates the vscan on-demand policy configuration of an svm use schedule name or schedule uuid to schedule an on-demand scan

**related ontap commands**

- `vserver vscan on-demand-task modify`
- `vserver vscan on-demand-task schedule`
- `vserver vscan on-demand-task unschedule` # learn more
- [`doc /protocols/vscan/{svmuuid}/on-demand-policies`](#docs-nas-protocols_vscan_{svmuuid}_on-demand-policies)

PATCH `/protocols/vscan/{svm.uuid}/on-demand-policies/{name}`

**Introduced In:** 9.6

Updates the Vscan On-Demand policy configuration of an SVM. Use schedule name or schedule UUID to schedule an On-Demand scan.

## Related ONTAP commands

- `vserver vscan on-demand-task modify`
- `vserver vscan on-demand-task schedule`
- `vserver vscan on-demand-task unschedule`

## Learn more

- DOC /protocols/vscan/{svm.uuid}/on-demand-policies

## Parameters

| Name | Type | In | Required | Description |
|---|---|---|---|---|
| name | string | path | True | |
| svm.uuid | string | path | True | UUID of the SVM to which this object belongs. |

## Request Body

| Name | Type | Description |
|---|---|---|
| log_path | string | The path from the Vserver root where the task report is created. |
| scan_paths | array[string] | List of paths that need to be scanned. |
| schedule | schedule | Schedule of the task. |
| scope | scope | |

**Example request**

```
{
  "log_path": "/vol0/report_dir",
  "scan_paths": [
    "/vol1/",
    "/vol2/cifs/"
  ],
  "schedule": {
    "name": "weekly",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "scope": {
    "exclude_extensions": [
      "mp3",
      "mp4"
    ],
    "exclude_paths": [
      "/vol1/cold-files/",
      "/vol1/cifs/names"
    ],
    "include_extensions": [
      "vmdk",
      "mp*"
    ],
    "max_file_size": "10737418240"
  }
}
```

## Response

```
Status: 200, Ok
```

## Error

```
Status: Default
```

ONTAP Error Response Codes

| Error Code | Description |
|---|---|
| 10027101 | The file size must be in the range 1KB to 1TB |

| Error Code | Description |
| --- | --- |
| 10027107 | The include extensions list cannot be empty. Specify at least one extension for inclusion. |
| 10027164 | An On-Demand policy cannot be scheduled, as the Vscan is disabled. Enable the Vscan and retry the operation. |
| 10027167 | The specified schedule does not exist. Create the schedule or create a policy without specifying the schedule. |
| 10027168 | The specified scan path does not exist. The scan path must be specified from the root of the SVM, and must begin with UNIX path delimiters (use “/” not “\”) |
| 10027169 | The specified scan path is not supported for scanning. |
| 10027174 | The specified exclude path is invalid. The path must be specified from the root of the SVM, and must begin with UNIX path delimiters (use "/" not "\") |
| 10027175 | An On-Demand policy cannot be scheduled as the SVM is not in an operational state. |
| 10027176 | The log-path specified does not exist. The log path must be specified from the root of the SVM, and must begin with UNIX path delimiters (use “/” not “\”) |
| 10027177 | The log path specified is not supported. |
| 10027253 | The number of paths specified exceeds the configured maximum number of paths. You cannot specify more than the maximum number of configured paths. |
| 10027254 | The number of extensions specified exceeds the configured maximum number of extensions. You cannot specify more than the maximum number of configured extensions. |
| 10027255 | Another policy is already scheduled. Only one policy per SVM is allowed to be scheduled at any one time. Update a policy without specifying a schedule. |

## Definitions

**See Definitions**

href

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

_links

schedule

Schedule of the task.

| Name | Type | Description |
|---|---|---|
| name | string | Job schedule name |
| uuid | string | Job schedule UUID |

scope

| Name | Type | Description |
|---|---|---|
| exclude_extensions | array[string] | List of file extensions for which scanning is not performed. |
| exclude_paths | array[string] | List of file paths for which scanning must not be performed. |
| include_extensions | array[string] | List of file extensions to be scanned. |
| max_file_size | integer | Maximum file size, in bytes, allowed for scanning. |
| scan_without_extension | boolean | Specifies whether or not files without any extension can be scanned. |

vscan_on_demand

Use On-Demand scanning to check files for viruses on a schedule. An On-Demand policy defines the scope of an On-Demand scan.

| Name | Type | Description |
|---|---|---|
| log_path | string | The path from the Vserver root where the task report is created. |

| Name | Type | Description |
|---|---|---|
| scan_paths | array[string] | List of paths that need to be scanned. |
| schedule | schedule | Schedule of the task. |
| scope | scope | |

error_arguments

| Name | Type | Description |
|---|---|---|
| code | string | Argument code |
| message | string | Message argument |

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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