



Manage Vscan On-Access policie

ONTAP 9.13.1 REST API reference

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Manage Vscan On-Access policie

Protocols Vscan svm.uuid on-demand-policies endpoint overview

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": [
    "/voll/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\": [ \"/voll/cifs/\" ], \"scope\": { \"include_extensions\": [ \"mp*\" ], \"scan_without_extension\": true }}"  
  
# The response:  
{  
  "num_records": 1,  
  "records": [  
    {  
      "svm": {  
        "name": "vs1"  
      },  
      "name": "on-demand-policy",  
      "scan_paths": [  
        "voll/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"
```

Retrieve a Vscan On-Demand policy

```
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
scan_paths	string	query	False	Filter by scan_paths
name	string	query	False	Filter by name <ul style="list-style-type: none">• maxLength: 256• minLength: 1
scope.scan_without_extension	boolean	query	False	Filter by scope.scan_without_extension
scope.exclude_extensions	string	query	False	Filter by scope.exclude_extensions
scope.exclude_paths	string	query	False	Filter by scope.exclude_paths
scope.max_file_size	integer	query	False	Filter by scope.max_file_size <ul style="list-style-type: none">• Max value: 1099511627776• Min value: 1024
scope.include_extensions	string	query	False	Filter by scope.include_extensions
schedule.name	string	query	False	Filter by schedule.name
schedule.uuid	string	query	False	Filter by schedule.uuid
svm.name	string	query	False	Filter by svm.name <ul style="list-style-type: none">• Introduced in: 9.10
log_path	string	query	False	Filter by log_path

Name	Type	In	Required	Description
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.
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. <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> • Max value: 120 • Min value: 0 • 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[vscan_on_demand]	

Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "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
      },
      "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	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.

svm

Name	Type	Description
_links	_links	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

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	
svm	svm	

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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