



Manage Vscan On-Access policie

ONTAP 9.13.1 REST API reference

NetApp
April 02, 2024

Table of Contents

- Manage Vscan On-Access policie 1
- Protocols Vscan svm.uuid on-demand-policies endpoint overview 1
- Retrieve a Vscan On-Demand policy 7

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.

Copyright information

Copyright © 2024 NetApp, Inc. All Rights Reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means—graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system—without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

LIMITED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (b)(3) of the Rights in Technical Data -Noncommercial Items at DFARS 252.227-7013 (FEB 2014) and FAR 52.227-19 (DEC 2007).

Data contained herein pertains to a commercial product and/or commercial service (as defined in FAR 2.101) and is proprietary to NetApp, Inc. All NetApp technical data and computer software provided under this Agreement is commercial in nature and developed solely at private expense. The U.S. Government has a non-exclusive, non-transferrable, nonsublicensable, worldwide, limited irrevocable license to use the Data only in connection with and in support of the U.S. Government contract under which the Data was delivered. Except as provided herein, the Data may not be used, disclosed, reproduced, modified, performed, or displayed without the prior written approval of NetApp, Inc. United States Government license rights for the Department of Defense are limited to those rights identified in DFARS clause 252.227-7015(b) (FEB 2014).

Trademark information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.