



Manage Vscan scanner-pool configuration

ONTAP 9.11.1 REST API reference

NetApp
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Manage Vscan scanner-pool configuration

Protocols Vscan svm.uuid scanner-pools endpoint overview

Overview

A scanner-pool defines the Vscan servers and privileged users that can connect to SVMs and a scanner policy or role determines whether a scanner-pool is active. You can configure a scanner-pool to be used on the local cluster or any other cluster in an MCC/DR setup.

Examples

Retrieving all fields for all scanner-pools of an SVM

```
# The API:
/api/protocols/vscan/{svm.uuid}/scanner-pools

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/vscan/<svm-uuid>/scanner-
pools?fields=*&return_records=true&return_timeout=15" -H "accept:
application/json"

# The response:
{
  "records": [
    {
      "svm": {
        "uuid": "0e2f7c91-f227-11e8-9601-0050568ecc06"
      },
      "name": "scanner-1",
      "servers": [
        "1.1.1.1",
        "10.72.204.27"
      ],
      "privileged_users": [
        "cifs\\u1",
        "cifs\\u2"
      ],
      "role": "primary"
    },
    {
      "svm": {
        "uuid": "0e2f7c91-f227-11e8-9601-0050568ecc06"
      },
      "name": "scanner-2",
      "servers": [
        "1.1.1.1",
        "10.72.204.27"
      ],
      "privileged_users": [
        "cifs\\u1",
        "cifs\\u2"
      ],
      "role": "secondary"
    }
  ],
  "num_records": 2
}
```

Retrieving all scanner-pools with *role* set as *secondary*

```
# The API:
/api/protocols/vscan/{svm.uuid}/scanner-pools

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/vscan/<svm-uuid>/scanner-
pools?role=secondary&fields=*&return_records=true&return_timeout=15" -H
"accept: application/json"

# The response:
{
  "records": [
    {
      "svm": {
        "uuid": "0e2f7c91-f227-11e8-9601-0050568ecc06",
        "name": "vs1"
      },
      "name": "scanner-2",
      "servers": [
        "1.1.1.1",
        "10.72.204.27"
      ],
      "privileged_users": [
        "cifs\\u1",
        "cifs\\u2"
      ],
      "role": "secondary",
      "cluster": {
        "uuid": "0933f9b5-f226-11e8-9601-0050568ecc06",
        "name": "Cluster3"
      }
    }
  ],
  "num_records": 1
}
```

Retrieving the specified scanner-pool associated with an SVM

```
# The API:
/api/protocols/vscan/{svm.uuid}/scanner-pools/{name}

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/vscan/0e2f7c91-f227-11e8-9601-0050568ecc06/scanner-pools/scanner-1?fields=*" -H "accept: application/json"

# The response:
{
  "svm": {
    "uuid": "0e2f7c91-f227-11e8-9601-0050568ecc06",
    "name": "vs1"
  },
  "name": "scanner-1",
  "servers": [
    "1.1.1.1",
    "10.72.204.27"
  ],
  "privileged_users": [
    "cifs\\u1",
    "cifs\\u2"
  ],
  "role": "primary",
  "cluster": {
    "uuid": "0933f9b5-f226-11e8-9601-0050568ecc06",
    "name": "Cluster3"
  }
}
```

Creating a scanner-pool for an SVM with all fields specified

```

# The API:
/api/protocols/vscan/{svm.uuid}/scanner-pools/

# The call:
curl -X POST "https://<mgmt-ip>/api/protocols/vscan/b103be27-17b8-11e9-
b451-0050568ecd85/scanner-pools?return_records=true" -H "accept:
application/json" -H "Content-Type: application/json" -d "{ \"cluster\": {
\"name\": \"Cluster1\", \"uuid\": \"ab746d77-17b7-11e9-b450-0050568ecd85\"
}, \"name\": \"test-scanner\", \"privileged_users\": [ \"cifs\\\\u1\",
\"cifs\\\\u2\" ], \"role\": \"primary\", \"servers\": [ \"1.1.1.1\",
\"10.72.204.27\" ]}"

# The response:
{
  "num_records": 1,
  "records": [
    {
      "name": "test-scanner",
      "servers": [
        "1.1.1.1",
        "10.72.204.27"
      ],
      "privileged_users": [
        "cifs\\u1",
        "cifs\\u2"
      ],
      "role": "primary",
      "cluster": {
        "uuid": "ab746d77-17b7-11e9-b450-0050568ecd85",
        "name": "Cluster1"
      }
    }
  ]
}

```

Creating a scanner-pool for an SVM with an unspecified role and cluster

```

# The API:
/api/protocols/vscan/{svm.uuid}/scanner-pools/

# The call:
curl -X POST "https://<mgmt-ip>/api/protocols/vscan/b103be27-17b8-11e9-
b451-0050568ecd85/scanner-pools" -H "accept: application/json" -H
"Content-Type: application/json" -d "{ \"name\": \"test-scanner-1\",
\"privileged_users\": [ \"cifs\\\\u1\", \"cifs\\\\u2\" ], \"servers\": [
\"1.1.1.1\", \"10.72.204.27\" ]}"

# The response:
{
  "num_records": 1,
  "records": [
    {
      "name": "test-scanner-1",
      "servers": [
        "1.1.1.1",
        "10.72.204.27"
      ],
      "privileged_users": [
        "cifs\\u1",
        "cifs\\u2"
      ]
    }
  ]
}

```

Updating a scanner-pool for an SVM with all of the fields specified

```

# The API:
/api/protocols/vscan/{svm.uuid}/scanner-pools/{name}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/protocols/vscan/0e2f7c91-f227-11e8-
9601-0050568ecc06/scanner-pools/test-scanner-1" -H "accept:
application/json" -H "Content-Type: application/json" -d "{ \"cluster\": {
\"name\": \"Cluster3\", \"uuid\": \"0933f9b5-f226-11e8-9601-0050568ecc06\"
}, \"privileged_users\": [ \"cifs\\\\u1\", \"cifs\\\\u2\" ], \"role\":
\"secondary\", \"servers\": [ \"1.1.1.1\", \"10.72.204.27\" ]}"

```

Updating the "role" of a scanner-pool for an SVM


```
# The API:
/api/protocols/vscan/{svm.uuid}/scanner-pools/{name}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/protocols/vscan/0e2f7c91-f227-11e8-9601-0050568ecc06/scanner-pools/test-scanner-1" -H "accept: application/json" -H "Content-Type: application/json" -d "{ \"cluster\": { \"name\": \"Cluster3\", \"uuid\": \"0933f9b5-f226-11e8-9601-0050568ecc06\" }, \"role\": \"primary\"}"
```

Deleting a scanner-pool for a specified SVM

```
# The API:
/api/protocols/vscan/{svm.uuid}/scanner-pools/{name}

# The call:
curl -X DELETE "https://<mgmt-ip>/api/protocols/vscan/0e2f7c91-f227-11e8-9601-0050568ecc06/scanner-pools/test-scanner-1" -H "accept: application/json"
```

Retrieve the Vscan scanner-pool configuration for an SVM

GET /protocols/vscan/{svm.uuid}/scanner-pools

Introduced In: 9.6

Retrieves the Vscan scanner-pool configuration of an SVM.

Related ONTAP commands

- `vserver vscan scanner-pool show`
- `vserver vscan scanner-pool privileged-users show`
- `vserver vscan scanner-pool servers show`

Learn more

- [DOC /protocols/vscan/{svm.uuid}/scanner-pools](#)

Parameters

| Name | Type | In | Required | Description |
|------------------|---------------|-------|----------|--|
| name | string | query | False | Filter by name <ul style="list-style-type: none"> • maxLength: 256 • minLength: 1 |
| privileged_users | string | query | False | Filter by privileged_users |
| cluster.name | string | query | False | Filter by cluster.name |
| cluster.uuid | string | query | False | Filter by cluster.uuid |
| svm.name | string | query | False | Filter by svm.name <ul style="list-style-type: none"> • Introduced in: 9.10 |
| servers | string | query | False | Filter by servers |
| role | string | query | False | Filter by role |
| 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 |

| 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"> • Default value: 1 • Max value: 120 • 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_scanner_pool] | |

Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "records": {
    "cluster": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "cluster1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "name": "scanner-1",
    "privileged_users": [
      "cifs\\u1",
      "cifs\\u2"
    ],
    "role": "primary",
    "servers": [
      "1.1.1.1",
      "10.72.204.27",
      "vmwin204-27.fsct.nb"
    ],
    "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 | |

cluster_reference

| Name | Type | Description |
|--------|------------------------|-------------|
| _links | _links | |
| name | string | |
| uuid | string | |

svm

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

vscan_scanner_pool

Scanner pool is a set of attributes which are used to validate and manage connections between clustered ONTAP and external virus-scanning server, or "Vscan server".

| Name | Type | Description |
|---------|-----------------------------------|-------------|
| cluster | cluster_reference | |

| Name | Type | Description |
|------------------|---------------|---|
| name | string | Specifies the name of the scanner pool. Scanner pool name can be up to 256 characters long and is a string that can only contain any combination of ASCII-range alphanumeric characters a-z, A-Z, 0-9), "_", "-", and ".". |
| privileged_users | array[string] | <p>Specifies a list of privileged users. A valid form of privileged user-name is "domain-name\user-name". Privileged user-names are stored and treated as case-insensitive strings. Virus scanners must use one of the registered privileged users for connecting to clustered Data ONTAP for exchanging virus-scanning protocol messages and to access file for scanning, remedying and quarantining operations.</p> <ul style="list-style-type: none"> • example: ["cifs\u1", "cifs\u2"] • Introduced in: 9.6 |
| role | string | <p>Specifies the role of the scanner pool. The possible values are:</p> <ul style="list-style-type: none"> • primary - Always active. • secondary - Active only when none of the primary external virus-scanning servers are connected. • idle - Always inactive. |
| servers | array[string] | <p>Specifies a list of IP addresses or FQDN for each Vscan server host names which are allowed to connect to clustered ONTAP.</p> <ul style="list-style-type: none"> • example: ["1.1.1.1", "10.72.204.27", "vmwin204-27.fsct.nb"] • Introduced in: 9.6 |
| 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. |

Create a Vscan scanner-pool configuration for an SVM

POST /protocols/vscan/{svm.uuid}/scanner-pools

Introduced In: 9.6

Creates a Vscan scanner-pool configuration for a specified SVM. You can create a scanner-pool with all fields specified or only mandatory fields specified.

Important notes:

- A scanner-pool must have servers and privileged users specified.
- If the role or cluster is not specified, the scanner-pool is created on the local cluster with the role set as primary. *^Only one of the fields cluster-uuid or cluster-name is required.

Required properties

- `svm.uuid` or `svm.name` - Existing SVM in which to create the Vscan configuration.
- `name` - Scanner-pool name.
- `privileged_users` - List of privileged users.
- `servers` - List of server IP addresses or FQDNs.

Recommended optional properties

- `role` - Setting a role for a scanner-pool is recommended.

- `cluster` - Passing the cluster name or UUID (or both) in a multi-cluster environment is recommended.

Default property values

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

- `role` - *primary*
- `cluster.name` - Local cluster name.
- `cluster.uuid` - Local cluster UUID.

Related ONTAP commands

- `vserver vscan scanner-pool create`
- `vserver vscan scanner-pool apply-policy`
- `vserver vscan scanner-pool privileged-users add`
- `vserver vscan scanner-pool servers add`

Learn more

- [DOC /protocols/vscan/{svm.uuid}/scanner-pools](#)

Parameters

| Name | Type | In | Required | Description |
|-----------------------------|---------|-------|----------|--|
| <code>return_records</code> | boolean | query | False | The default is false. If set to true, the records are returned. <ul style="list-style-type: none"> • Default value: |
| <code>svm.uuid</code> | string | path | True | UUID of the SVM to which this object belongs. |

Request Body

| Name | Type | Description |
|----------------------|-----------------------------------|-------------|
| <code>cluster</code> | cluster_reference | |

| Name | Type | Description |
|------------------|---------------|---|
| name | string | Specifies the name of the scanner pool. Scanner pool name can be up to 256 characters long and is a string that can only contain any combination of ASCII-range alphanumeric characters a-z, A-Z, 0-9), "_", "-" and ".". |
| privileged_users | array[string] | <p>Specifies a list of privileged users. A valid form of privileged user-name is "domain-name\user-name". Privileged user-names are stored and treated as case-insensitive strings. Virus scanners must use one of the registered privileged users for connecting to clustered Data ONTAP for exchanging virus-scanning protocol messages and to access file for scanning, remedying and quarantining operations.</p> <ul style="list-style-type: none"> • example: ["cifs\u1", "cifs\u2"] • Introduced in: 9.6 |
| role | string | <p>Specifies the role of the scanner pool. The possible values are:</p> <ul style="list-style-type: none"> • primary - Always active. • secondary - Active only when none of the primary external virus-scanning servers are connected. • idle - Always inactive. |
| servers | array[string] | <p>Specifies a list of IP addresses or FQDN for each Vscan server host names which are allowed to connect to clustered ONTAP.</p> <ul style="list-style-type: none"> • example: ["1.1.1.1", "10.72.204.27", "vmwin204-27.fsct.nb"] • Introduced in: 9.6 |
| svm | svm | |

Example request

```
{
  "cluster": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "cluster1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "name": "scanner-1",
  "privileged_users": [
    "cifs\\u1",
    "cifs\\u2"
  ],
  "role": "primary",
  "servers": [
    "1.1.1.1",
    "10.72.204.27",
    "vmwin204-27.fsct.nb"
  ],
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

Response

Status: 201, Created

| Name | Type | Description |
|-------------|------------------------|-------------------|
| _links | _links | |
| num_records | integer | Number of records |

| Name | Type | Description |
|---------|---|-------------|
| records | array[vscan_scanner_pool] | |

Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "records": {
    "cluster": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "cluster1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "name": "scanner-1",
    "privileged_users": [
      "cifs\\u1",
      "cifs\\u2"
    ],
    "role": "primary",
    "servers": [
      "1.1.1.1",
      "10.72.204.27",
      "vmwin204-27.fsct.nb"
    ],
    "svm": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "svm1",
      "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
    }
  }
}
```

Error

Status: Default

ONTAP Error Response Codes

| Error Code | Description |
|------------|--|
| 10027086 | The specified list of servers contain one or more entries that cannot be resolved |
| 10027258 | The specified cluster_name does not exist |
| 10027256 | The specified cluster_uuid does not exist |
| 10027257 | The specified cluster_name and cluster_uuid are valid but belong to different clusters |
| 10027248 | Scanner-pool created successfully but failed to activate |
| 10027107 | The list of privileged users or list of servers specified is empty |
| 10027108 | The list of privileged users specified contains an invalid entry |
| 10027063 | Attempting to modify a scanner-pool on an administrative SVM with a data SVM |

| 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 | |

cluster_reference

| Name | Type | Description |
|--------|------------------------|-------------|
| _links | _links | |
| name | string | |
| uuid | string | |

svm

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

vscan_scanner_pool

Scanner pool is a set of attributes which are used to validate and manage connections between clustered ONTAP and external virus-scanning server, or "Vscan server".

| Name | Type | Description |
|---------|-----------------------------------|---|
| cluster | cluster_reference | |
| name | string | Specifies the name of the scanner pool. Scanner pool name can be up to 256 characters long and is a string that can only contain any combination of ASCII-range alphanumeric characters a-z, A-Z, 0-9), "_", "-" and ".". |

| Name | Type | Description |
|------------------|---------------------|---|
| privileged_users | array[string] | <p>Specifies a list of privileged users. A valid form of privileged user-name is "domain-name\user-name". Privileged user-names are stored and treated as case-insensitive strings. Virus scanners must use one of the registered privileged users for connecting to clustered Data ONTAP for exchanging virus-scanning protocol messages and to access file for scanning, remedying and quarantining operations.</p> <ul style="list-style-type: none"> • example: ["cifs\u1", "cifs\u2"] • Introduced in: 9.6 |
| role | string | <p>Specifies the role of the scanner pool. The possible values are:</p> <ul style="list-style-type: none"> • primary - Always active. • secondary - Active only when none of the primary external virus-scanning servers are connected. • idle - Always inactive. |
| servers | array[string] | <p>Specifies a list of IP addresses or FQDN for each Vscan server host names which are allowed to connect to clustered ONTAP.</p> <ul style="list-style-type: none"> • example: ["1.1.1.1", "10.72.204.27", "vmwin204-27.fsct.nb"] • Introduced in: 9.6 |
| svm | svm | |

_links

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

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. |

Delete the Vscan scanner-pool configuration

```
DELETE /protocols/vscan/{svm.uuid}/scanner-pools/{name}
```

Introduced In: 9.6

Deletes a Vscan scanner-pool configuration.

Important notes:

- The Vscan scanner-pool DELETE endpoint deletes all of the Vscan scanner-pools for a specified SVM.
- If a Vscan is enabled, it requires at least one scanner-pool to be in the active state. Therefore, disable Vscan on the specified SVM so all the scanner-pools configured on that SVM can be deleted.

Related ONTAP commands

- `vserver vscan scanner-pool delete`

Learn more

- [DOC /protocols/vscan/{svm.uuid}/scanner-pools](#)

Parameters

| Name | Type | In | Required | Description |
|------|--------|------|----------|-------------|
| name | string | path | True | |

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

Response

Status: 200, Ok

Error

Status: Default

ONTAP Error Response Codes

| Error Code | Description |
|------------|---|
| 10027070 | Attempting to delete a scanner-pool but it is the only active scanner-pool for a Vscan enabled on the SVM |
| 10027064 | Attempting to delete a scanner-pool with a data SVM which was created with an administrative SVM |

| 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. |

Retrieve the Vscan scanner-pool configuration for an SVM

```
GET /protocols/vscan/{svm.uuid}/scanner-pools/{name}
```

Introduced In: 9.6

Retrieves the configuration of a specified scanner-pool of an SVM.

Related ONTAP commands

- `vserver vscan scanner-pool show`
- `vserver vscan scanner-pool privileged-users show`
- `vserver vscan scanner-pool servers show`

Learn more

- [DOC /protocols/vscan/{svm.uuid}/scanner-pools](#)

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 |
|------------------|-----------------------------------|---|
| cluster | cluster_reference | |
| name | string | Specifies the name of the scanner pool. Scanner pool name can be up to 256 characters long and is a string that can only contain any combination of ASCII-range alphanumeric characters a-z, A-Z, 0-9), "_", "-" and ".". |
| privileged_users | array[string] | <p>Specifies a list of privileged users. A valid form of privileged user-name is "domain-name\user-name". Privileged user-names are stored and treated as case-insensitive strings. Virus scanners must use one of the registered privileged users for connecting to clustered Data ONTAP for exchanging virus-scanning protocol messages and to access file for scanning, remedying and quarantining operations.</p> <ul style="list-style-type: none"> • example: ["cifs\u1", "cifs\u2"] • Introduced in: 9.6 |

| Name | Type | Description |
|---------|---------------|--|
| role | string | <p>Specifies the role of the scanner pool. The possible values are:</p> <ul style="list-style-type: none"> • primary - Always active. • secondary - Active only when none of the primary external virus-scanning servers are connected. • idle - Always inactive. |
| servers | array[string] | <p>Specifies a list of IP addresses or FQDN for each Vscan server host names which are allowed to connect to clustered ONTAP.</p> <ul style="list-style-type: none"> • example: ["1.1.1.1", "10.72.204.27", "vmwin204-27.fsct.nb"] • Introduced in: 9.6 |
| svm | svm | |

Example response

```
{
  "cluster": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "cluster1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "name": "scanner-1",
  "privileged_users": [
    "cifs\\u1",
    "cifs\\u2"
  ],
  "role": "primary",
  "servers": [
    "1.1.1.1",
    "10.72.204.27",
    "vmwin204-27.fsct.nb"
  ],
  "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 |
|------|----------------------|-------------|
| self | href | |

cluster_reference

| Name | Type | Description |
|--------|------------------------|-------------|
| _links | _links | |
| name | string | |
| uuid | string | |

svm

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

| Name | Type | Description |
|--------|--------|---|
| target | string | The target parameter that caused the error. |

Update the Vscan scanner-pool configuration for an SVM

PATCH /protocols/vscan/{svm.uuid}/scanner-pools/{name}

Introduced In: 9.6

Updates the Vscan scanner-pool configuration of an SVM.

Important notes:

- Along with servers and privileged-users, the role of a scanner-pool can also be updated with the cluster on which a scanner-pool is allowed.
- If role is specified and cluster isn't, then role is applied to the local cluster.

Related ONTAP commands

- `vserver vscan scanner-pool modify`
- `vserver vscan scanner-pool apply-policy`
- `vserver vscan scanner-pool privileged-users add`
- `vserver vscan scanner-pool privileged-users remove`
- `vserver vscan scanner-pool servers remove`
- `vserver vscan scanner-pool servers add`

Learn more

- [DOC /protocols/vscan/{svm.uuid}/scanner-pools](#)

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 |
|------------------|-----------------------------------|--|
| cluster | cluster_reference | |
| name | string | Specifies the name of the scanner pool. Scanner pool name can be up to 256 characters long and is a string that can only contain any combination of ASCII-range alphanumeric characters a-z, A-Z, 0-9), "_", "-" and ".". |
| privileged_users | array[string] | Specifies a list of privileged users. A valid form of privileged user-name is "domain-name\user-name". Privileged user-names are stored and treated as case-insensitive strings. Virus scanners must use one of the registered privileged users for connecting to clustered Data ONTAP for exchanging virus-scanning protocol messages and to access file for scanning, remediating and quarantining operations. <ul style="list-style-type: none"> • example: ["cifs\u1", "cifs\u2"] • Introduced in: 9.6 |
| role | string | Specifies the role of the scanner pool. The possible values are: <ul style="list-style-type: none"> • primary - Always active. • secondary - Active only when none of the primary external virus-scanning servers are connected. • idle - Always inactive. |
| servers | array[string] | Specifies a list of IP addresses or FQDN for each Vscan server host names which are allowed to connect to clustered ONTAP. <ul style="list-style-type: none"> • example: ["1.1.1.1", "10.72.204.27", "vmwin204-27.fsct.nb"] • Introduced in: 9.6 |
| svm | svm | |

Example request

```
{
  "cluster": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "cluster1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "name": "scanner-1",
  "privileged_users": [
    "cifs\\u1",
    "cifs\\u2"
  ],
  "role": "primary",
  "servers": [
    "1.1.1.1",
    "10.72.204.27",
    "vmwin204-27.fsct.nb"
  ],
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

Response

Status: 200, Ok

Error

Status: Default

ONTAP Error Response Codes

| Error Code | Description |
|------------|--|
| 10027258 | The specified cluster_name does not exist |
| 10027256 | The specified cluster_uuid does not exist |
| 10027257 | The specified cluster_name and cluster_uuid are valid but belong to different clusters |
| 10027248 | Scanner-pool updated successfully but failed to apply the specified role |
| 10027107 | The list of privileged users or list of servers specified is empty |
| 10027108 | The list of privileged users specified contains an invalid entry |
| 10027063 | Attempting to modify a scanner-pool on an administrative SVM with a data SVM |

| 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 | |

cluster_reference

| Name | Type | Description |
|--------|------------------------|-------------|
| _links | _links | |
| name | string | |
| uuid | string | |

svm

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

vscan_scanner_pool

Scanner pool is a set of attributes which are used to validate and manage connections between clustered ONTAP and external virus-scanning server, or "Vscan server".

| Name | Type | Description |
|---------|-----------------------------------|---|
| cluster | cluster_reference | |
| name | string | Specifies the name of the scanner pool. Scanner pool name can be up to 256 characters long and is a string that can only contain any combination of ASCII-range alphanumeric characters a-z, A-Z, 0-9), "_", "-" and ".". |

| Name | Type | Description |
|------------------|---------------------|--|
| privileged_users | array[string] | Specifies a list of privileged users. A valid form of privileged user-name is "domain-name\user-name". Privileged user-names are stored and treated as case-insensitive strings. Virus scanners must use one of the registered privileged users for connecting to clustered Data ONTAP for exchanging virus-scanning protocol messages and to access file for scanning, remedying and quarantining operations. <ul style="list-style-type: none"> • example: ["cifs\u1", "cifs\u2"] • Introduced in: 9.6 |
| role | string | Specifies the role of the scanner pool. The possible values are: <ul style="list-style-type: none"> • primary - Always active. • secondary - Active only when none of the primary external virus-scanning servers are connected. • idle - Always inactive. |
| servers | array[string] | Specifies a list of IP addresses or FQDN for each Vscan server host names which are allowed to connect to clustered ONTAP. <ul style="list-style-type: none"> • example: ["1.1.1.1", "10.72.204.27", "vmwin204-27.fsct.nb"] • Introduced in: 9.6 |
| 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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