



# **View key stores**

## REST API reference

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# View key stores

## Security key-stores endpoint overview

### Overview

A keystore describes a key-manager, specifically the type of key-manager.

### Examples

#### Retrieving information for all configured key managers

The following example shows how to retrieve information about all configured key managers.

```
= The API:
```

```
GET /api/security/key-stores
```

```
= The call:
```

```
curl -X GET 'https://++<mgmt-ip>++/api/security/key-stores?fields=*' -H  
'accept: application/hal+json'++</mgmt-ip>++
```

```
= The response:
```

```
{
  "records": [
    {
      "uuid": "33421d82-0a8d-11ec-ae88-005056bb5955",
      "keystore": {
        "type": "akv"
      },
      "_links": {
        "self": {
          "href": "/api/security/key-stores/33421d82-0a8d-11ec-ae88-005056bb5955/akv"
        }
      }
    },
    {
      "uuid": "46a0b20a-0a8d-11ec-ae88-005056bb5955",
      "keystore": {
        "type": "okm"
      },
      "_links": {
        "self": {

```

```
        "href": "/api/security/key-stores/46a0b20a-0a8d-11ec-ae88-005056bb5955/okm"
    }
}
]

,
"num_records": 2,
"_links": {
    "self": {
        "href": "/api/security/key-stores"
    }
}
}
```

[[ID502fdc72a430aad00a9538002585834b]]

= Retrieve keystores

[.api-doc-operation .api-doc-operation-get]#GET# [.api-doc-code-block]#/security/key-stores`#

\*Introduced In:\* 9.10

Retrieves keystores.

== Expensive properties

There is an added cost to retrieving values for these properties. They are not included by default in GET results and must be explicitly requested using the `fields` query parameter. See

[xref:{relative\\_path}getting\\_started\\_with\\_the\\_ontap\\_rest\\_api.html#Requesting\\_specific\\_fields](#) [Requesting specific fields] to learn more.

- \* `keystore.location`
- \* `svm.name`
- \* `svm.uuid`

== Related ONTAP commands

- \* `security key-manager show-key-store`

== Parameters

```
[cols=5*, options=header]
```

```
|====
```

```
| Name
```

```
| Type
```

```
| In
```

```
| Required
```

```
| Description
```

```
| svm.uuid
```

```
| string
```

```
| query
```

```
| False
```

```
a|Filter by svm.uuid
```

```
| svm.name
```

```
| string
```

```
| query
```

```
| False
```

```
a|Filter by svm.name
```

```
| location
```

```
| string
```

```
| query
```

```
| False
```

```
a|Filter by location
```

```
| type
```

```
| string
```

```
| query
```

```
| False
```

```
a|Filter by type
```

```
| uuid
```

```
| string
```

```
| query
```

```
| False
```

```
a|Filter by uuid
```

```
| fields
```

```
| array[string]
```

```
| query
```

```
|False
a|Specify the fields to return.

|max_records
|integer
|query
|False
a|Limit the number of records returned.

|return_timeout
|integer
|query
|False
a|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.

* Default value: 1
* Max value: 120
* Min value: 0

|return_records
|boolean
|query
|False
a|The default is true for GET calls. When set to false, only the number
of records is returned.

* Default value: 1

|order_by
|array[string]
|query
|False
a|Order results by specified fields and optional [asc|desc] direction.
Default direction is 'asc' for ascending.

|===
== Response
```

Status: 200, Ok

```
[cols=3*,options=header]
| ====
| Name
| Type
| Description

| _links
| link:#_links[_links]
a| _links
| num_records
| integer
a| Number of records.

| records
| array[link:#security_keystore[security_keystore]]
a| _links
| ====
| ===

.Example response
[%collapsible%closed]
=====
[source, json, subs=+macros]
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "records": [
    {
      "location": "string",
      "svm": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        }
      },
    }
  ]
}
```

```

        "name": "svml",
        "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
    },
    "type": "string",
    "uuid": "string"
}
]
}
=====

== Error

```

Status: Default, Error

```

[cols=3*, options=header]
| ====
| Name
| Type
| Description

| error
| link:#error[error]
a |

| ====

.Example error
[%collapsible%closed]
=====

[source, json, subs=+macros]
{
  "error": {
    "arguments": [
      {
        "code": "string",
        "message": "string"
      }
    ],
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
=====


```

```

== Definitions

[.api-def-first-level]
.See Definitions
[%collapsible%closed]
//Start collapsible Definitions block
=====
[#href]
[.api-collapsible-fifth-title]
href

[cols=3*,options=header]
| ====
| Name
| Type
| Description

| href
| string
a |

| ====

[_links]
[.api-collapsible-fifth-title]
_links

[cols=3*,options=header]
| ====
| Name
| Type
| Description

| next
| link:#href[href]
a |

| self
| link:#href[href]
a |

| ====

[_links]
[.api-collapsible-fifth-title]

```

```

_links

[cols=3*,options=header]
| ====
| Name
| Type
| Description

| self
| link:#href[href]
a|



| ====

[#svm]
[.api-collapsible-fifth-title]
svm

[cols=3*,options=header]
| ====
| Name
| Type
| Description

| _links
| link:#_links[_links]
a|



| name
| string
a|The name of the SVM.

| uuid
| string
a|The unique identifier of the SVM.

| ===

[#security_keystore]
[.api-collapsible-fifth-title]
security_keystore

[cols=3*,options=header]

```

```

| ====
| Name
| Type
| Description

| location
| string
a| Indicates whether the keystore is onboard or external.

| svm
| link:#svm[svm]
a|


| type
| string
a| Type of keystore that is configured: * 'okm' - Onboard Key Manager * 'kmip' - External Key Manager * 'akv' - Azure Key Vault Key Management Service * 'gcp' - Google Cloud Platform Key Management Service * 'aws' - Amazon Web Service Key Management Service

| uuid
| string
a|


| ====

[#error_arguments]
[.api-collapsible-fifth-title]
error_arguments

[cols=3*,options=header]
| ====
| Name
| Type
| Description

| code
| string
a| Argument code

| message
| string
a| Message argument

```

```
|====

[#error]
[.api-collapsible-fifth-title]
error

[cols=3*,options=header]
|====
| Name
| Type
| Description

| arguments
| array[link:#error_arguments[error_arguments]]
a|Message arguments

| code
| string
a|Error code

| message
| string
a|Error message

| target
| string
a|The target parameter that caused the error.

|====

//end collapsible .Definitions block
=====

:leveloffset: -1

:leveloffset: -1
```

<<<

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