



## **View key stores**

### ONTAP 9.10.1 REST API Documentation

NetApp  
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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"
  }
}
}
```

[[ID0e999d7f20b225c4f9bded880fc14cc4]]

= 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
```

```
|type
```

```
|string
```

```
|query
```

```
|False
```

```
a|Filter by type
```

```
|uuid
```

```
|string
```

```
|query
```

```
|False
```

```
a|Filter by uuid
```

```
|location
```

```
|string
```

```
|query
```

```
|False
```

```
a|Filter by location
```

```
|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|

|num_records
|integer
a|Number of records.

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

|===
```

.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": "svm1",
        "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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