



View key stores

ONTAP 9.13.1 REST API reference

NetApp
May 08, 2024

This PDF was generated from https://docs.netapp.com/us-en/ontap-restapi-9131/ontap/security_key-stores_endpoint_overview.html on May 08, 2024. Always check docs.netapp.com for the latest.

Table of Contents

View key stores	1
Security key-stores endpoint overview.	1

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"
  }
}
}

```

[[ID1de869f6a6a8f32a0b931b2b05b183da]]
 = 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 computational 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
```

```
|type
```

```
|string
```

```
|query
```

```
|False
```

```
a|Filter by type
```

```
|svm.uuid
```

```
|string
```

```
|query
```

```
|False
```

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

```
|svm.name
```

```
|string
```

```
|query
```

```
|False
```

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

```
|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"
    }
  },
  "num_records": 1,
  "records": {
    "svm": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "svm1",
```

```

      "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
    },
    "type": "okm",
    "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 * 'ikp' - IBM Key Protect 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

<<<
*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 [link:http://www.netapp.com/TM](http://www.netapp.com/TM)^[http://www.netapp.com/TM^] are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.