View host records

REST API reference

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View host records

View host records

Overview

Displays the IP address of the specified hostname and vice-versa.

Retrieving the host table entries

The host-record GET endpoint to retrieve the hostname for a given Ip address and vice-versa.

Examples

Retrieving the hostname for a given IP address.

```
# The API:
GET /api/name-services/host-record/{svm.uuid}/{host}

# The call:
curl -X GET "https://<mgmt-ip>/api/name-services/host-record/77e23bd4-
a8fe-11eb-99e0-0050568e14ff/127.0.0.1" -H "accept: application/json"

# The response:
 {
"svm": {
  "uuid": "77e23bd4-a8fe-11eb-99e0-0050568e14ff",
  "name": "svm1"
 },
"host": "127.0.0.1",
"ipv4_addresses": [
  "127.0.0.1"
 ],
"hostname": "localhost",
"source": "Files"
 }
```

Retrieving the Ip address for a given hostname.

```
# The API:
GET /api/name-services/host-record/{svm.uuid}/{host}

# The call:
curl -X GET "https://<mgmt-ip>/api/name-services/host-record/77e23bd4-
a8fe-11eb-99e0-0050568e14ff/localhost" -H "accept: application/json"

# The response:
 {
"svm": {
  "uuid": "77e23bd4-a8fe-11eb-99e0-0050568e14ff",
  "name": "svm1"
},
"host": "localhost",
"ipv4_addresses": [
  "127.0.0.1"
],
"ipv6_addresses": [
  "::1"
],
"hostname": "localhost",
"canonical_name": "localhost",
"source": "Files"
 }
```

Retrieve an IP address of a hostname

GET `/name-services/host-record/{svm.uuid}/{host}`

Introduced In: 9.10

Retrieves the IP address of the specified hostname and vice-versa.

Related ONTAP commands

- `vserver services name-service getxxbyyy getnameinfo`
- `vserver services name-service getxxbyyy getaddrinfo`

Parameters

Name	Type	In	Required	Description
host	string	path	True	Hostname or IP address.

Name	Type	In	Required	Description
use_cache	boolean	query	False	Enables or disables the cache. • Introduced in: 9.11 • Default value:
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
canonical_name	string	Canonical name of the host.
host	string	IP address or hostname.
hostname	string	Hostname.
ipv4_addresses	array[string]	List of IPv4 addresses.
ipv6_addresses	array[string]	List of IPv6 addresses.
source	string	Source used for lookup.
svm	svm	SVM, applies only to SVM-scoped objects.

Example response


```
{
  "canonical_name": "localhost",
  "host": "localhost",
  "hostname": "localhost",
  "ipv4_addresses": [
    "127.0.0.1"
  ],
  "ipv6_addresses": [
    ":1"
  ],
  "source": "Files",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```


Error

```
Status: Default
```

ONTAP Error Response Codes

Error Code	Description
8912900	Invalid IP address.
23724050	Failed to resolve the specified hostname or IP address.

Name	Type	Description
error	returned_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	

svm

SVM, applies only to SVM-scoped objects.

Name	Type	Description
_links	_links	
name	string	The name of the SVM. This field cannot be specified in a PATCH method.
uuid	string	The unique identifier of the SVM. This field cannot be specified in a PATCH method.

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_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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