

Device Groups

Device groups are collections of devices, and you can use these groups to allow or deny access to DHCP services based on the MAC address of a device. For example, if you want to require explicitly registered devices on your network and control how long these devices can remain on the network, you can use a device group to restrict access to those explicitly registered devices.

GET /v1/dhcp/devicegroup

View all device groups

Retrieves a list of all device groups.



Copy Code

Returns a list of all device groups



```
$ curl -X GET -H "X-NSONE-Key: $NSONE_API_KEY" https://api.nsone.net/v1/dhcp/devicegroup
```



Expand Code Examples

PUT /v1/dhcp/devicegroup

Create a device group

Creates a new device group.

Request Body Parameters:

Parameter	Type	Description
devices	array of objects	A list of devices
		identifier (string) Required. The hardware address (MAC address) of the device. You can use colons, hyphens, or periods between the octets in a MAC address.
		identifier_type (string) Required. The type of identifier. Can be <code>hw-address</code> .
	metadata (object)	A JSON object of arbitrary data about the device.

name	string	The name of the device group that you are creating. This parameter cannot be empty and should be unique within an organization.
expiration_period_seconds	integer greater than or equal to 0	The time (in seconds) after which a device in this device group is considered expired and is removed from the device group. If you do not modify the expiry time, or if the expiry time is set to 0 , devices in the device group never expire.



Creates a new device group with the specified devices

```
$ curl -X PUT -H "X-NSONE-Key: $NSONE_API_KEY" -d '{ "devices": [ { "identifier": "00:00:0A:BB:28:FC", "identifier_type": "hw-address", "metadata": { "type": "mobile" } } ], "name": "NY-Office", "expiration_period_seconds": "0" }' https://api.nsonenetwork/v1/dhcp/devicegroup
```

☒ Expand Code Examples

GET /v1/dhcp/devicegroup/<deviceGroupId>

View the details of a device group

Retrieves a specific device group.

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Parameter	Type	Description
deviceGroupId	integer	The ID of the device group. You can obtain this value by viewing all device groups.



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Returns details for the specified device group

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```
$ curl -X GET -H "X-NSONE-Key: $NSONE_API_KEY" https://api.nsones.net/v1/dhcp/devicegroup/<deviceGroupId>
```

Example Response:

```
{
  "id": 0,
  "scope_group_ids": [
    0
  ],
  "devices": [
    {
      "identifier": "string",
      "identifier_type": "hw-address",
      "metadata": null,
      "created_at": 0,
      "updated_at": 0,
      "created_by": "string",
      "updated_by": "string"
    }
  ],
  "created_at": 0,
  "updated_at": 0,
  "created_by": "string",
  "updated_by": "string",
  "name": "string",
  "expiration_period_seconds": 0
}
```

 Hide Code Examples

POST /v1/dhcp/devicegroup/<deviceGroupId>

Modify a device group

Modifies a specific device group to replace it with a completely new list of devices or to update the `name` or `expiration_period_seconds` of the device group.

Path Parameters:

Parameter	Type	Description
deviceGroupId	integer	Required. The ID of the device group that you want to modify. You can find this value by viewing all device groups.

Request Body Parameters:

Parameter	Type	Description
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devices	array of objects	A list of devices	
		<code>identifier</code> (string)	Required. The hardware address (MAC address) of the device. You can use colons, hyphens, or periods between the octets in a MAC address.
		<code>identifier_type</code> (string)	Required. The type of identifier. Can be <code>hw-address</code> .
		<code>metadata</code> (object)	A JSON object of arbitrary data about the device.
name	string	The name of the device group that you are creating. This parameter cannot be empty and should be unique within an organization.	
expiration_period_seconds	integer	The time (in seconds) after which a device in this device group is considered expired and is removed from the device group. If you do not modify the expiry time, or if the expiry time is set to <code>0</code> , devices in the device group never expire.	

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Edits the specified device group





```
$ curl -X POST -H 'X-NSONE-Key: $NSONE_API_KEY' -d '{ "devices": [ { "identifier": "aa:bb:cc:dd:ee:ff", "identifier_type": "hw-address", "metadata": { "comments": "first device in a pool" } } ] "name": "LHR-2" }' https://api.nsonet.net/v1/dhcp/devicegroup/2
```

Example Request:



```
$ curl -X POST -H 'X-NSONE-Key: $NSONE_API_KEY' -d '{ "devices": [ { "identifier": "aa:bb:cc:dd:ee:ff", "identifier_type": "hw-address", "metadata": { "comments": "first device in a pool" } } ], "name": "LHR-2" }' https://api.nsonet.net/v1/dhcp/devicegroup/2
```

Example Response:



```
{
  "id": 0,
  "scope_group_ids": [
    0
  ],
  "devices": [
    {
      "identifier": "string",
      "identifier_type": "hw-address",
      "metadata": null,
      "created_at": 0,
      "updated_at": 0,
      "created_by": "string",
      "updated_by": "string"
    }
  ],
  "created_at": 0,
  "updated_at": 0,
  "created_by": "string",
  "updated_by": "string",
  "name": "string",
  "expiration_period_seconds": 0
}
```

 Hide Code Examples

DELETE /v1/dhcp/devicegroup/<deviceId>

Delete a device group

Deletes a specific device group.

Path Parameter:

Parameter	Type	Description
deviceId	integer	Required. The ID of the device group that you want to delete. You can find this value by viewing all device groups.



Copy Code

Deletes the specified device group



```
$ curl -X DELETE https://api.nsonet.net/v1/dhcp/devicegroup/<deviceId>
```

POST /v1/dhcp/devicegroup/<deviceId>/add

Add devices to a device group

Adds devices to a specific device group.

Path Parameters:

Parameter	Type	Description
deviceGroupId	integer	Required. The ID of the device group that you want to modify. You can find this value by viewing all device groups.

Request Body Parameters:

The payload should be sent as an array of JSON objects that use the following fields:

Parameter	Type	Description
identifier	string	Required. The hardware address (MAC address) of the device.
identifier_type	string	Required. The type of identifier. Can be <code>hw-address</code> .
metadata	any	A JSON object of arbitrary data about the device.



Copy Code

Adds a new device to a device group

```
$ curl -X POST -H 'X-NSONE-Key: $NSONE_API_KEY' -d '[{"identifier": "aa:bb:cc:dd:ee:f2","identifier_type": "hw-address","metadata": {"comments": "second device in a pool"}}]' https://api.nsonet.net/v1/dhcp/devicegroup/2/add
```

Example Request:

```
$ curl -X POST -H 'X-NSONE-Key: $API_KEY' -d '[ { "identifier": "aa:bb:cc:dd:ee:f2", "identifier_type": "hw-address", "metadata": { "comments": "second device in a pool" } } ]' https://api.nsones.net/v1/dhcp/devicegroup/2/add
```

Example Response:

```
{
  "id": 0,
  "scope_group_ids": [
    0
  ],
  "devices": [
    {
      "identifier": "string",
      "identifier_type": "hw-address",
      "metadata": null,
      "created_at": 0,
      "updated_at": 0,
      "created_by": "string",
      "updated_by": "string"
    }
  ],
  "created_at": 0,
  "updated_at": 0,
  "created_by": "string",
  "updated_by": "string",
  "name": "string",
  "expiration_period_seconds": 0
}
```

POST `/v1/dhcp/devicegroup/<deviceId>/update`

Update devices in a device group

Updates the details of devices in a specific device group.

Path Parameters:

Parameter	Type	Description
deviceId	integer	Required. The ID of the device group that you want to modify. You can find this value by viewing all device groups.

Request Body Parameters:

The payload should be sent as an array of JSON objects that use the following fields:

Parameter	Type	Description
identifier	string	Required. The hardware address (MAC address) of the device.
identifier_type	string	Required. The type of identifier. Can be <code>hw-address</code> .
metadata	any	A JSON object of arbitrary data about the device.

```
$ curl -X POST -H 'X-NSONE-Key: $NSONE_API_KEY' -d '[{"identifier": "aa:bb:cc:dd:ee:f2","identifier_type": "hw-address","metadata": {"comments": "second update d device in a pool"}}]' https://api.nsonet.net/v1/dhcp/devicegroup/2/update
```

Example Request:

```
$ curl -X POST -H 'X-NSONE-Key: $NSONE_API_KEY' -d '[{"value": [{"identifier": "aa:bb:cc:dd:ee:ff", "identifier_type": "hw-address", "metadata": {"comments": "new device in a pool" }} ]}]' https://api.nsonet.net/v1/dhcp/devicegroup/2/update
```

Example Response:

```
{
  "id": 0,
  "scope_group_ids": [
    0
  ],
  "devices": [
    {
      "identifier": "string",
      "identifier_type": "hw-address",
      "metadata": null,
      "created_at": 0,
      "updated_at": 0,
      "created_by": "string",
      "updated_by": "string"
    }
  ],
  "created_at": 0,
  "updated_at": 0,
  "created_by": "string",
  "updated_by": "string",
  "name": "string",
  "expiration_period_seconds": 0
}
```

 Hide Code Examples

POST /v1/dhcp/devicegroup/<deviceGroupId>/remove

Remove devices from a device group

Removes devices from a specific device group using the MAC address or DHCP unique ID (DUID) of a device.

Path Parameters:

Parameter	Type	Description
deviceGroupId	integer	Required. The ID of the device group that you want to remove. You can find this value by viewing all device groups.

Body Parameters:

The payload should be sent as a JSON array of MAC addresses or DUIDs.



Copy Code

Removes a specific device from a device group



```
$ curl -X POST -H 'X-NSONE-Key: $NSONE_API_KEY' -d '[ "aa:bb:cc:dd:ee:f2" ]' https://api.nsones.net/v1/dhcp/devicegroup/3/remove
```

Example Request:

```
$ curl -X POST -H 'X-NSONE-Key: $NSONE_API_KEY' -d '[ "aa:bb:cc:dd:ee:f2" ]' https://api.nsone.net/v1/dhcp/devicegroup/3/remove
```

 Hide Code Examples

GET /v1/dhcp/devicegroup/<deviceId>/exists

Verify whether a device exists within a device group

Determines whether a specific device exists within a specific device group using the identifier of the device (MAC address).

Path Parameters:

Parameter	Type	Description
deviceId	integer	Required. The ID of the device group that you want to remove. You can find this value by viewing all device groups.

Body Parameters:

The payload should be sent as a JSON object that contains the `identifier` and a MAC address.



Verifies whether a device exists in the specified device group



```
$ curl -X GET -H 'X-NSONE-Key: $NSONE_API_KEY' -d '{"identifier": "<value>"}' https://api.nsonone.net/v1/dhcp/devicegroup/<deviceId>/exists
```

Example Request:



```
$ curl -X GET -H 'X-NSONE-Key: $NSONE_API_KEY' -d '{"identifier": "aa:bb:cc:dd:ee:ff",}' https://api.nsonone.net/v1/dhcp/devicegroup/2/exists
```



Hide Code Examples