**Resource: hostgroup**

This resource deals with Host Group

```http
http://{device}/api/npm.classification/2.0/hostgroups/items/{id}
```

**JSON**

```json
{
  *desc*: string,
  *enabled*: boolean,
  *hosts*: host_list,
  *id*: number,
  *in_speed*: number,
  *in_speed_unit*: speed_unit,
  *member_hostgroups*: id_list,
  *member_hostgroups_names*: [ string
  ],
  *name*: string,
  *out_speed*: number,
  *out_speed_unit*: speed_unit,
  <prop>: any
}
```

<table>
<thead>
<tr>
<th>Property Name</th>
<th>Type</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>hostgroup</td>
<td>&lt;object&gt;</td>
<td>This resource deals with Host Group</td>
<td>Optional;</td>
</tr>
<tr>
<td>hostgroup.desc</td>
<td>&lt;string&gt;</td>
<td>Description of Host Group</td>
<td>Optional;</td>
</tr>
<tr>
<td>hostgroup.enabled</td>
<td>&lt;boolean&gt;</td>
<td>Status of the Host Group - enabled/disabled</td>
<td>Optional;</td>
</tr>
<tr>
<td>hostgroup.hosts</td>
<td>&lt;host_list&gt;</td>
<td>List of hosts(e.g. x.x.x.x, x.x.x.x/prefix), host-ranges(e.g. x.x.x.x-y.y.y.y, x.x.x.x/prefix-y.y.y.y/prefix)</td>
<td>Optional;</td>
</tr>
<tr>
<td>hostgroup.id</td>
<td>&lt;number&gt;</td>
<td>Unique ID assigned by the backend</td>
<td>Read-only; Optional;</td>
</tr>
<tr>
<td>hostgroup.in_speed</td>
<td>&lt;number&gt;</td>
<td>Inbound Utilization</td>
<td>Optional;</td>
</tr>
<tr>
<td>hostgroup.in_speed_unit</td>
<td>&lt;speed_unit&gt;</td>
<td>Unit of Network Traffic Speed</td>
<td>Values: kbps, Mbps, Gbps;</td>
</tr>
<tr>
<td>hostgroup.member_hostgroups</td>
<td>&lt;id_list&gt;</td>
<td>List of IDs</td>
<td>Optional;</td>
</tr>
<tr>
<td>hostgroup.member_hostgroups_names</td>
<td>&lt;array of &lt;string&gt;&gt;</td>
<td>List of Host Group names</td>
<td>Optional;</td>
</tr>
<tr>
<td>hostgroup.name</td>
<td>&lt;string&gt;</td>
<td>Unique name of Host Group</td>
<td>Optional;</td>
</tr>
<tr>
<td>hostgroup.out_speed</td>
<td>&lt;number&gt;</td>
<td>Outbound Utilization</td>
<td>Optional;</td>
</tr>
<tr>
<td>hostgroup.out_speed_unit</td>
<td>&lt;speed_unit&gt;</td>
<td>Unit of Network Traffic Speed</td>
<td>Values: kbps, Mbps, Gbps;</td>
</tr>
<tr>
<td>hostgroup.&lt;prop&gt;</td>
<td>&lt;any&gt;</td>
<td></td>
<td>Optional;</td>
</tr>
</tbody>
</table>

**Links**

**hostgroup: delete**

Deletes the Host Group matching the ID from the configuration

```http DELETE```

```
DELETE http://{device}/api/npm.classification/2.0/hostgroups/items/{id}
```

**Response Body**

On success, the server does not provide any body in the responses.

**hostgroup: get**

Returns the Host Group from the configuration that matches the ID

```http GET```

```
GET http://{device}/api/npm.classification/2.0/hostgroups/items/{id}
```

**Response Body**

Returns a hostgroup data object.

**hostgroup: set**

Sets the Host Group matching the ID
PUT http://{device}/api/npm.classification/2.0/hostgroups/items/{id}

Request Body
Provide a hostgroup data object.

Response Body
Returns a hostgroup data object.

**Resource: hostgroups**

This resource deals with Host Groups

http://{device}/api/npm.classification/2.0/hostgroups

```json
{
  "items": [ hostgroup ],
  <prop>: any
}
```

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<tr>
<td>hostgroups</td>
<td>&lt;object&gt;</td>
<td>This resource deals with Host Groups</td>
<td></td>
</tr>
<tr>
<td>hostgroups.items</td>
<td>&lt;array of &lt;hostgroup&gt;&gt;</td>
<td></td>
<td>Optional;</td>
</tr>
<tr>
<td>hostgroups.items[items]</td>
<td>&lt;hostgroup&gt;</td>
<td>This resource deals with Host Group</td>
<td></td>
</tr>
<tr>
<td>hostgroups.&lt;prop&gt;</td>
<td>&lt;any&gt;</td>
<td></td>
<td>Optional;</td>
</tr>
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</table>

**Links**

**hostgroups: bulk_create**

Creates multiple Host Groups, assigns an unique ID to each and adds these to the Host Group configuration. If any individual Host Group creation fails, the complete request is failed. A collection Host Group with all newly created Host Groups is returned

POST http://{device}/api/npm.classification/2.0/hostgroups/bulk_create

Request Body
Provide a hostgroups data object.

Response Body
Returns a hostgroups data object.

**hostgroups: bulk_delete**

Deletes all Host Groups or Host Groups with IDs provided

POST http://{device}/api/npm.classification/2.0/hostgroups/bulk_delete

Request Body
Provide a bulk_deleter data object.

Response Body
Returns a bulk_deleter data object.

**hostgroups: bulk_hierarchy**

Creates parent-child hierarchy between Host Groups in bulk mode

POST http://{device}/api/npm.classification/2.0/hostgroups/bulk_hierarchy

Request Body
Provide a hostgroups data object.
Response Body
Returns a `hostgroups` data object.

**hostgroups: create**
Creates a new Host Group, assigns it an ID, adds it to the hostgroup configuration and returns the new Host Group with it's ID set

```
POST http://{device}/api/npm.classification/2.0/hostgroups
```

Request Body
Provide a `hostgroup` data object.

Response Body
Returns a `hostgroup` data object.

**hostgroups: get**
Reads the Host Group configuration and returns it as a Host Groups collection

```
GET http://{device}/api/npm.classification/2.0/hostgroups
```

Response Body
Returns a `hostgroups` data object.

**hostgroups: merge**
Merges the existing Host Groups with the provided Host Groups using the name as key

```
POST http://{device}/api/npm.classification/2.0/hostgroups/merge
```

Request Body
Provide a `hostgroups` data object.

Response Body
Returns a `hostgroups` data object.

## Type: bulk_deleter
Object to trigger bulk deletion of given resource

```
{
  "delete_all": boolean,
  "delete_ids": id_list,
  <prop>: any
}
```

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<tr>
<td>bulk_deleter</td>
<td>&lt;object&gt;</td>
<td>Object to trigger bulk deletion of given resource</td>
<td></td>
</tr>
<tr>
<td>bulk_deleter.delete_all</td>
<td>&lt;boolean&gt;</td>
<td>Delete all objects of the given resource</td>
<td>Optional;</td>
</tr>
<tr>
<td>bulk_deleter.delete_ids</td>
<td>&lt;id_list&gt;</td>
<td>List of IDs</td>
<td></td>
</tr>
<tr>
<td>bulk_deleter.&lt;prop&gt;</td>
<td>&lt;any&gt;</td>
<td></td>
<td>Optional;</td>
</tr>
</tbody>
</table>

## Type: dpi_list

```
[
  integer
]
```
### Type: dpi_list

List of hosts(e.g. x.x.x.x, x.x.x.x/prefix), host-ranges(e.g. x.x.x.x-y.y.y.y, x.x.x.x/prefix-y.y.y.y/prefix)

#### JSON

```json
[
  {string},
]
```

#### Table

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<tr>
<td>dpi_list</td>
<td>&lt;array of &lt;integer&gt;&gt;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>dpi_list[items]</td>
<td>&lt;integer&gt;</td>
<td></td>
<td></td>
</tr>
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</table>

### Type: host_list

List of hosts(e.g. x.x.x.x, x.x.x.x/prefix), host-ranges(e.g. x.x.x.x-y.y.y.y, x.x.x.x/prefix-y.y.y.y/prefix)

#### JSON

```json
[
  {string},
]
```

#### Table

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<tr>
<td>host_list</td>
<td>&lt;array of &lt;string&gt;&gt;</td>
<td>List of hosts(e.g. x.x.x.x, x.x.x.x/prefix), host-ranges(e.g. x.x.x.x-y.y.y.y, x.x.x.x/prefix-y.y.y.y/prefix)</td>
<td></td>
</tr>
<tr>
<td>host_list[items]</td>
<td>&lt;string&gt;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Type: id_list

List of IDs

#### JSON

```json
[
  {number},
]
```

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<tr>
<td>id_list</td>
<td>&lt;array of &lt;number&gt;&gt;</td>
<td>List of IDs</td>
<td></td>
</tr>
<tr>
<td>id_list[items]</td>
<td>&lt;number&gt;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Type: speed_unit

Unit of Network Traffic Speed

#### JSON

```json
{string}
```

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<tr>
<td>speed_unit</td>
<td>&lt;string&gt;</td>
<td>Unit of Network Traffic Speed</td>
<td>Values: kbps, Mbps, Gbps;</td>
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