NPM Classification APIs v2.0

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Resource: hostgroup

This resource deals with Host Group

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

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
}
```

Property Name	Type	Description	Notes
hostgroup	*<object>*	This resource deals with Host Group	
hostgroup.desc	*<string>*	Description of Host Group	Optional;
hostgroup.enabled	*<boolean>*	Status of the Host Group - enabled/disabled	Optional;
hostgroup.hosts	*<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)	
hostgroup.id	*<number>*	Unique ID assigned by the backend	Read-only; Optional;
hostgroup.in_speed	*<number>*	Inbound Utilization	Optional;
hostgroup.in_speed_unit	*<speed_unit>*	Unit of Network Traffic Speed	Values: kbps, Mbps, Gbps;
hostgroup.member_hostgroups	*<id_list>*	List of IDs	
hostgroup.member_hostgroups_names	*<array of <string>>*	List of Host Group names	Optional;
hostgroup.member_hostgroups_names[items]	*<string>*		
hostgroup.name	*<string>*	Unique name of Host Group	Optional;
hostgroup.out_speed	*<number>*	Outbound Utilization	Optional;
hostgroup.out_speed_unit	*<speed_unit>*	Unit of Network Traffic Speed	Values: kbps, Mbps, Gbps;
hostgroup.<prop>	*<any>*		Optional;

Links

hostgroup: delete

Deletes the Host Group matching the ID from the configuration

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

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
}
```

Property Name	Type	Description	Notes
hostgroups	*<object>*	This resource deals with Host Groups	
hostgroups.items	*<array of <hostgroup>>*		Optional;
hostgroups.items[items]	*<hostgroup>*	This resource deals with Host Group	
hostgroups.<prop>	*<any>*		Optional;

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

**JSON**

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

Property Name	Type	Description	Notes
bulk_deleter	*<object>*	Object to trigger bulk deletion of given resource	
bulk_deleter.delete_all	*<boolean>*	Delete all objects of the given resource	Optional;
bulk_deleter.delete_ids	*<id_list>*	List of IDs	
bulk_deleter.<prop>	*<any>*		Optional;

Type: dpi_list

JSON

```
[
  integer
]
```

Property Name	Type	Description	Notes
dpi_list	*<array of <integer>>*		
dpi_list[items]	*<integer>*		

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

```
[
   string
]
```

Property Name	Type	Description	Notes
host_list	*<array of <string>>*	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)	
host_list[items]	*<string>*		

Type: id_list

List of IDs

JSON

```
[
   number
]
```

Property Name	Type	Description	Notes
id_list	*<array of <number>>*	List of IDs	
id_list[items]	*<number>*		

Type: speed_unit

Unit of Network Traffic Speed

JSON

```
string
```

Property Name	Type	Description	Notes
speed_unit	*<string>*	Unit of Network Traffic Speed	Values: kbps, Mbps, Gbps;