Resource: application

This resource deals with general application

```
http://{device}/api/npm.classification/3.0/applications/items/{id}
```

<table>
<thead>
<tr>
<th>Property Name</th>
<th>Type</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>application</td>
<td>&lt;object&gt;</td>
<td>This resource deals with general application</td>
<td>Required properties: [name];</td>
</tr>
<tr>
<td>application.definitions</td>
<td>&lt;object&gt;</td>
<td></td>
<td>Optional;</td>
</tr>
<tr>
<td>application.definitions.items</td>
<td></td>
<td></td>
<td>Optional;</td>
</tr>
<tr>
<td>application.definitions.items.items</td>
<td></td>
<td></td>
<td>Optional;</td>
</tr>
<tr>
<td>application.definitions.items.items.dpi_ids</td>
<td>&lt;dpi_list&gt;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>application.definitions.items.items.hostgroup_ids</td>
<td>&lt;id_list&gt;</td>
<td>List of IDs</td>
<td></td>
</tr>
<tr>
<td>application.definitions.items.items.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></td>
</tr>
<tr>
<td>application.definitions.items.items.transport_rules</td>
<td>&lt;transport_rule_list_3_0&gt;</td>
<td>List of port ranges</td>
<td></td>
</tr>
<tr>
<td>application.definitions.items.items.&lt;prop&gt;</td>
<td>&lt;any&gt;</td>
<td></td>
<td>Optional;</td>
</tr>
<tr>
<td>application.desc</td>
<td>&lt;string&gt;</td>
<td>Describes the General Application Definition</td>
<td>Optional;</td>
</tr>
<tr>
<td>application.enabled</td>
<td>&lt;boolean&gt;</td>
<td>Status of this General Application Definition - enabled/disabled</td>
<td>Optional;</td>
</tr>
<tr>
<td>application.id</td>
<td>&lt;number&gt;</td>
<td>Unique ID generated by the backend for this General Application Definition</td>
<td>Optional;</td>
</tr>
<tr>
<td>application.name</td>
<td>&lt;string&gt;</td>
<td>Unique case sensitive name of General Application Definition</td>
<td>Optional;</td>
</tr>
<tr>
<td>application.priority</td>
<td>&lt;integer&gt;</td>
<td>Application priority used in case the traffic can be associated only with a single application, lower the value the higher the priority</td>
<td>Optional; Values: HIGH, MEDIUM, LOW;</td>
</tr>
<tr>
<td>application.traffic_match_mode</td>
<td>&lt;string&gt;</td>
<td>mode to configure traffic match</td>
<td>Optional;</td>
</tr>
</tbody>
</table>

Links

**application: delete**

Deletes the general application that matches the ID provided

```
DELETE http://{device}/api/npm.classification/3.0/applications/items/{id}
```

Response Body

On success, the server does not provide any body in the responses.
application: get
Reads and returns a general application for the ID provided

GET http://{device}/api/npm.classification/3.0/applications/items/{id}

Response Body
Returns an application data object.

application: set
Updates the general application that matches the ID provided

PUT http://{device}/api/npm.classification/3.0/applications/items/{id}

Request Body
Provide an application data object.

Response Body
Returns an application data object.

Resource: applications
This resource deals with collection of general applications

http://{device}/api/npm.classification/3.0/applications

<table>
<thead>
<tr>
<th>Property Name</th>
<th>Type</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>applications</td>
<td>&lt;object&gt;</td>
<td>This resource deals with collection of general applications</td>
<td></td>
</tr>
<tr>
<td>applications.items</td>
<td>&lt;array of &lt;application&gt;&gt;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>applications.items.items</td>
<td>&lt;application&gt;</td>
<td>This resource deals with general application</td>
<td>Optional;</td>
</tr>
</tbody>
</table>

Links

applications: bulk_create
Creates a collection of general applications, assigns an unique ID to each and adds these to the general applications. A collection of general applications with their IDs is returned

POST http://{device}/api/npm.classification/3.0/applications/bulk_create

Request Body
Provide an applications data object.

Response Body
Returns an applications data object.

applications: bulk_delete
Deletes all general applications or the general applications that match the IDs provided

POST http://{device}/api/npm.classification/3.0/applications/bulk_delete

Request Body
Provide a bulk_deleter data object.

Response Body
Returns a bulk_deleter data object.

### applications: create
Creates a new general application and adds it to the collection of general applications

<table>
<thead>
<tr>
<th>Request Body</th>
<th>Response Body</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>POST http://{device}/api/npm.classification/3.0/applications</code></td>
<td>Returns an application data object.</td>
</tr>
</tbody>
</table>

### applications: get
Reads and returns all general applications

<table>
<thead>
<tr>
<th>Request Body</th>
<th>Response Body</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>GET http://{device}/api/npm.classification/3.0/applications</code></td>
<td>Returns an applications data object.</td>
</tr>
</tbody>
</table>

### applications: merge
Merges the existing general applications with the provided general applications using the name as key

<table>
<thead>
<tr>
<th>Request Body</th>
<th>Response Body</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>POST http://{device}/api/npm.classification/3.0/applications/merge</code></td>
<td>Returns an applications data object.</td>
</tr>
</tbody>
</table>

---

### Resource: hostgroup
This resource deals with Host Group

<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></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></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>Property Name</td>
<td>Type</td>
<td>Description</td>
<td>Notes</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>----------------</td>
<td>-------------------------------------------------------</td>
<td>-------------</td>
</tr>
<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</td>
<td>This resource deals with Host Group</td>
<td>Optional;</td>
</tr>
<tr>
<td>hostgroups.items[items]</td>
<td>&lt;hostgroup&gt;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>hostgroups.&lt;prop&gt;</td>
<td>&lt;any&gt;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**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.

```plaintext
POST http://{device}/api/npm.classification/3.0/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.

```plaintext
POST http://{device}/api/npm.classification/3.0/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.

```plaintext
POST http://{device}/api/npm.classification/3.0/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.

```plaintext
POST http://{device}/api/npm.classification/3.0/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.

```plaintext
GET http://{device}/api/npm.classification/3.0/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/3.0/hostgroups/merge

Request Body
Provide a `hostgroups` data object.

Response Body
Returns a `hostgroups` data object.

**Resource: url**

This resource deals with url application

```json
{
    "desc": string,
    "enabled": boolean,
    "id": number,
    "name": string,
    "preferred": boolean,
    "urls": [
        string
    ]
}
```

<table>
<thead>
<tr>
<th>Property Name</th>
<th>Type</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>url</td>
<td>&lt;object&gt;</td>
<td>This resource deals with url application</td>
<td>Required properties: [name, urls];</td>
</tr>
<tr>
<td>url.desc</td>
<td>&lt;string&gt;</td>
<td></td>
<td>Optional;</td>
</tr>
<tr>
<td>url.enabled</td>
<td>&lt;boolean&gt;</td>
<td></td>
<td>Optional;</td>
</tr>
<tr>
<td>url.id</td>
<td>&lt;number&gt;</td>
<td></td>
<td>Optional;</td>
</tr>
<tr>
<td>url.name</td>
<td>&lt;string&gt;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>url.preferred</td>
<td>&lt;boolean&gt;</td>
<td></td>
<td>Optional;</td>
</tr>
<tr>
<td>url.urls</td>
<td>&lt;array of &lt;string&gt;&gt;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>url.urls[items]</td>
<td>&lt;string&gt;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Links**

**url: delete**

Deletes the url application that matches the ID provided

```
DELETE http://{device}/api/npm.classification/3.0/urls/items/{id}
```

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

**url: get**

Reads and return the url application that matches the ID provided

```
GET http://{device}/api/npm.classification/3.0/urls/items/{id}
```

Response Body
Returns an `url` data object.

**url: set**

Updates the url application that matches the ID provided

```
PUT http://{device}/api/npm.classification/3.0/urls/items/{id}
```

Request Body
Provide an `url` data object.

Response Body
Returns an `url` data object.

**Resource: urls**

This resource deals with collection of url applications

```plaintext
http://{device}/api/npm.classification/3.0/urls
```

**JSON**

```json
{
    "items": [url]
}
```

<table>
<thead>
<tr>
<th>Property Name</th>
<th>Type</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>urls</td>
<td>&lt;object&gt;</td>
<td>This resource deals with collection of url applications</td>
<td></td>
</tr>
<tr>
<td>urls.items</td>
<td>&lt;array of&lt;url&gt;&gt;</td>
<td></td>
<td>Optional;</td>
</tr>
<tr>
<td>urls.items[items]</td>
<td>&lt;url&gt;</td>
<td>This resource deals with url application</td>
<td></td>
</tr>
</tbody>
</table>

**Links**

**urls: bulk_create**

Creates a collection of url applications assigning an ID to each url application. Appends the new collection to the url applications. Returns the new collection of url applications with their corresponding ID

```plaintext
POST http://{device}/api/npm.classification/3.0/urls/bulk_create
```

Request Body
Provide an `urls` data object.

Response Body
Returns an `urls` data object.

**urls: bulk_delete**

Deletes all url applications or url applications matching the IDs provided

```plaintext
POST http://{device}/api/npm.classification/3.0/urls/bulk_delete
```

Request Body
Provide a `bulk_deleter` data object.

Response Body
Returns a `bulk_deleter` data object.

**urls: create**

Creates a new url application and adds it to the url application. Returns the url application with its new ID populated

```plaintext
POST http://{device}/api/npm.classification/3.0/urls
```

Request Body
Provide an `url` data object.

Response Body
Returns an `url` data object.

**urls: get**
Reads and returns the complete collection of url applications

GET http://{device}/api/npm.classification/3.0/urls

Response Body
Returns an urls data object.

urls: merge
Merges the existing url applications with the provided url applications using the name as key. Key is case insensitive

POST http://{device}/api/npm.classification/3.0/urls/merge

Request Body
Provide an urls data object.

Response Body
Returns an urls data object.

Type: bulk_deleter
Object to trigger bulk deletion of given resource

<table>
<thead>
<tr>
<th>Property Name</th>
<th>Type</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<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></td>
</tr>
</tbody>
</table>

Type: dpi_list

<table>
<thead>
<tr>
<th>Property Name</th>
<th>Type</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<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>
</tbody>
</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, x.x.x.x/prefix-y.y.y/y/prefix)

<table>
<thead>
<tr>
<th>Property Name</th>
<th>Type</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>string</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Type: id_list**

List of IDs

```json

```
```
```

<table>
<thead>
<tr>
<th>Property Name</th>
<th>Type</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<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

```
```
```

<table>
<thead>
<tr>
<th>Property Name</th>
<th>Type</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>speed_unit</td>
<td>&lt;string&gt;</td>
<td>Unit of Network Traffic Speed</td>
<td>Values: kbps, Mbps, Gbps;</td>
</tr>
</tbody>
</table>
```

**Type: transport_rule_list_3_0**

List of port ranges

```json

```
```
```
```

<table>
<thead>
<tr>
<th>Property Name</th>
<th>Type</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>transport_rule_list_3_0</td>
<td>&lt;array of &lt;object&gt;&gt;</td>
<td>List of port ranges</td>
<td></td>
</tr>
<tr>
<td>transport_rule_list_3_0[items]</td>
<td>&lt;object&gt;</td>
<td>IP Protocol and transport ports</td>
<td>Required properties: [ip_protocol];</td>
</tr>
<tr>
<td>transport_rule_list_3_0[items].ip_protocol</td>
<td>&lt;string&gt;</td>
<td>IP protocol identifier. Full list can be retrieved with /ip_protocols resource</td>
<td></td>
</tr>
<tr>
<td>transport_rule_list_3_0[items].ports</td>
<td>&lt;string&gt;</td>
<td>comma separated list of port ranges. e.g. x, p-q, y-z</td>
<td>Optional;</td>
</tr>
</tbody>
</table>