

Naming REST API – Excel guide

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Introduction

This document will give guide to use of Excel in Naming REST API.

Excel files may be used to upload names and structures to Naming and download names and structures from Naming. Excel templates are used to Create Update Delete names and structures and to Approve Cancel Reject structures. Columns in templates are listed below together with description. For each kind of upload, it is listed which columns that are required, optional or not considered by server.

Examples are available for upload and download of names and structures.

Getting started

In various places are framed boxes with information that is noteworthy and may help understanding

Note!

Text that is noteworthy, summary, help & more

It is assumed that

- reader is familiar with or willing to learn!
 - Naming backend
 - Swagger UI
 - Documents
 - Introduction to Naming REST API, Cheat Sheet
 - Templates
 - names *NameElementCommand.xlsx*
 - structures *StructureElementCommand.xlsx*

Mentioned templates are used to encapsulate information for upload operations that are sent to Naming. Such operations are Create Update Delete + Approve Cancel Reject.

There are no templates for Excel files that are sent from Naming. Such operations are Read for which files are generated by server. However, templates and received files share columns. Received files contain additional information that is not needed for operation or it is generated by server.

Upload operations rely on uuid for which names and structures that are affected and referred. Uuid may be found by REST API read operations.

Excel to Server

Names

Template

File

NameElementCommand.xlsx

Columns & Descriptions

Left-to-right

| | |
|-----------------------|---|
| Uuid | Identity (uuid) of the name entry. Value is created server-side. |
| Parentsystemstructure | Identity (uuid) for the system structure parent. |
| Parentdevicestructure | Identity (uuid) for the device structure parent (if the name entry refers to device structure). |
| Index | Index (instance) of the name entry (if the name entry refers to device structure). |
| Description | Description of the name entry. |
| Comment | Comment of the name entry command. |

Operations & Columns

Kind of upload operation and which columns that required, optional or not considered.

| Operation | Columns | | Comment |
|-----------|---|--------------------------------|-------------------------------------|
| | Required | Optional | |
| Create | Parentsystemstructure Description Comment | Parentdevicestructure Index | Uuid is created server-side |
| Update | Uuid Parentsystemstructure Description Comment | Parentdevicestructure Index | |
| Delete | Uuid Comment | | Other attributes are not considered |

Examples

| UID | A | B | C | D | E | F |
|-----|--------------------------------------|-------------------------------------|-------|------------------|----------|---|
| | Parentsystemstructure | Parentdevicestructure | Index | Description | Comment | |
| 1 | e67a497c-9c55-4942-97fc-700c8ec56031 | bb1e68ae-e233-4595-ae88-8186b6760c6 | 070 | Test 070 test 1 | Test 070 | |
| 2 | e67a497c-9c55-4942-97fc-700c8ec56031 | bb1e68ae-e233-4595-ae88-8186b6760c6 | 071 | Test 071 test 2 | Test 071 | |
| 3 | e67a497c-9c55-4942-97fc-700c8ec56031 | bb1e68ae-e233-4595-ae88-8186b6760c6 | 072 | Test 072 test 2 | Test 072 | |
| 4 | e67a497c-9c55-4942-97fc-700c8ec56031 | bb1e68ae-e233-4595-ae88-8186b6760c6 | 073 | Test 073 test 4 | Test 073 | |
| 5 | e67a497c-9c55-4942-97fc-700c8ec56031 | bb1e68ae-e233-4595-ae88-8186b6760c6 | 074 | Test 074 test 5 | Test 074 | |
| 6 | e67a497c-9c55-4942-97fc-700c8ec56031 | bb1e68ae-e233-4595-ae88-8186b6760c6 | 075 | Test 075 test 6 | Test 075 | |
| 7 | e67a497c-9c55-4942-97fc-700c8ec56031 | bb1e68ae-e233-4595-ae88-8186b6760c6 | 076 | Test 076 test 7 | Test 076 | |
| 8 | e67a497c-9c55-4942-97fc-700c8ec56031 | bb1e68ae-e233-4595-ae88-8186b6760c6 | 077 | Test 077 test 8 | Test 077 | |
| 9 | e67a497c-9c55-4942-97fc-700c8ec56031 | bb1e68ae-e233-4595-ae88-8186b6760c6 | 078 | Test 078 test 9 | Test 078 | |
| 10 | e67a497c-9c55-4942-97fc-700c8ec56031 | bb1e68ae-e233-4595-ae88-8186b6760c6 | 079 | Test 079 test 10 | Test 079 | |

Figure 1:
Create names through upload of Excel template

| | A | B | C | D | E | F |
|----|--------------------------------------|-------------------------------------|--------------------------------------|-------|------------------|----------|
| 1 | Uuid | Parentsystemstructure | Parentdevicestructure | Index | Description | Comment |
| 2 | c0aa32ea-c0e-4f28-a71b-15220842e29 | e67a497c-9c55-4942-97fc-700c8c56031 | bb1e68ae-e233-4595-a888-181866b760c6 | 070 | Test 070 test 1 | Test 070 |
| 3 | 88c370c0-90c4-44d2-9c64-5d0cd48b388 | e67a497c-9c55-4942-97fc-700c8c56031 | bb1e68ae-e233-4595-a888-181866b760c6 | 071 | Test 071 test 1 | Test 071 |
| 4 | 94d0c112b0b1e5-94d0c112b0b1e5 | e67a497c-9c55-4942-97fc-700c8c56031 | bb1e68ae-e233-4595-a888-181866b760c6 | 072 | Test 072 test 1 | Test 072 |
| 5 | ce2a37d9-bdad-43c4-8986-a8a20511aa3 | e67a497c-9c55-4942-97fc-700c8c56031 | bb1e68ae-e233-4595-a888-181866b760c6 | 073 | Test 073 test 4 | Test 073 |
| 6 | 58170328-8e80-4002-9b21-ef3ac3cf7ac1 | e67a497c-9c55-4942-97fc-700c8c56031 | bb1e68ae-e233-4595-a888-181866b760c6 | 074 | Test 074 test 5 | Test 074 |
| 7 | 8686cadf-bf9d-418b-aaz6-07116594c649 | e67a497c-9c55-4942-97fc-700c8c56031 | bb1e68ae-e233-4595-a888-181866b760c6 | 075 | Test 075 test 6 | Test 075 |
| 8 | fe2f0045-2006-432a-b373-06a0cb60bca | e67a497c-9c55-4942-97fc-700c8c56031 | bb1e68ae-e233-4595-a888-181866b760c6 | 076 | Test 076 test 7 | Test 076 |
| 9 | 7f6b0bc-11f1-48b1-97c-726d6f5c116f | e67a497c-9c55-4942-97fc-700c8c56031 | bb1e68ae-e233-4595-a888-181866b760c6 | 077 | Test 077 test 8 | Test 077 |
| 10 | 79ae85ea-1d5d-4d5f-99d5-0cb2d184302 | e67a497c-9c55-4942-97fc-700c8c56031 | bb1e68ae-e233-4595-a888-181866b760c6 | 078 | Test 078 test 9 | Test 078 |
| 11 | de01a5c6-1e85-40c6-885f-a45eebd70780 | e67a497c-9c55-4942-97fc-700c8c56031 | bb1e68ae-e233-4595-a888-181866b760c6 | 079 | Test 079 test 10 | Test 079 |

Figure 2:
Update, Delete names through upload of Excel template

[illegible]

Figure 3:
Update, Delete names through upload of Excel file from previous download.
Values in columns to the right of Comment column are set server-side.

Structures

Template

File

StructureElementCommand.xlsx

Columns & Descriptions

Left-to-right

| | |
|-------------|---|
| Uuid | Identity (uuid) of the structure entry. Value is created server-side. |
| Type | Type of the structure entry. Valid values – SYSTEMGROUP, SYSTEM, SUBSYSTEM, DISCIPLINE, DEVICEGROUP, DEVICETYPE. |
| Parent | Identity (uuid) for the structure entry parent (if the structure entry has a parent). |
| Name | Name (verbose) of the structure entry. |
| Mnemonic | Mnemonic of the structure entry. |
| Description | Description of the structure entry. |
| Comment | Comment of the structure entry command. |

Operations & Columns

Kind of upload operation and which columns that required, optional or not considered.

| Operation | Columns | | Comment |
|-----------|--|----------|-------------------------------------|
| | Required | Optional | |
| Create | Type Parent Name Mnemonic Description Comment | | Uuid is created server-side |
| Update | Uuid Type Parent Name Mnemonic Description Comment | | |
| Delete | Uuid Type Comment | | Other attributes are not considered |
| Approve | Uuid Type Parent Name Mnemonic Description Comment | | |
| Cancel | Uuid Type Parent Name Mnemonic Description Comment | | |
| Reject | Uuid Type Parent Name Mnemonic Description Comment | | |

Examples

| | A | B | C | D | E | F | G |
|---|------|------------|-------------------------------------|-----------|----------|-------------|--|
| 1 | Uuid | Type | Parent | Name | Mnemonic | Description | Comment |
| 2 | | SUBSYSTEM | b9f4c18-bc05-4d13-9177-85a02f523be2 | DmPL-TST1 | TST1 | Just a test | Must have or it seems can't be committed |
| 3 | | SUBSYSTEM | b9f4c18-bc05-4d13-9177-85a02f523be2 | DmPL-TST2 | TST2 | Just a test | Must have or it seems can't be committed |
| 4 | | DISCIPLINE | b9f4c18-bc05-4d13-9177-85a02f523be2 | DmPL-TST3 | TST3 | Just a test | Must have or it seems can't be committed |
| 5 | | SUBSYSTEM | b9f4c18-bc05-4d13-9177-85a02f523be2 | DmPL-TST4 | TST4 | Just a test | Must have or it seems can't be committed |
| 6 | | SUBSYSTEM | b9f4c18-bc05-4d13-9177-85a02f523be2 | DmPL-TST5 | TST5 | Just a test | Must have or it seems can't be committed |

Figure 4:
Create structures through upload of Excel template

| | A | B | C | D | E | F | G |
|---|---------------------------------------|------------|-------------------------------------|-----------|----------|-------------|--|
| 1 | Uuid | Type | Parent | Name | Mnemonic | Description | Comment |
| 2 | 1d0be1ec-8ca1-47af-8de7-19096617c70 | SUBSYSTEM | b9f4c18-bc05-4d13-9177-85a02f523be2 | DmPL-TST1 | TST1 | Just a test | Must have or it seems can't be committed |
| 3 | 9d89ef07-cea2-4a3a-ad9c-323b4da12ceb | SUBSYSTEM | b9f4c18-bc05-4d13-9177-85a02f523be2 | DmPL-TST2 | TST2 | Just a test | Must have or it seems can't be committed |
| 4 | 61234f4c9-bc06-4678-9289-194712ba1150 | DISCIPLINE | b9f4c18-bc05-4d13-9177-85a02f523be2 | DmPL-TST3 | TST3 | Just a test | Must have or it seems can't be committed |
| 5 | ce888cce-1498-4211-aed1-ba5ef596c364 | SUBSYSTEM | b9f4c18-bc05-4d13-9177-85a02f523be2 | DmPL-TST4 | TST4 | Just a test | Must have or it seems can't be committed |
| 6 | 6770ed40-7ca0-44b0-88e1-165fa583b6da | SUBSYSTEM | b9f4c18-bc05-4d13-9177-85a02f523be2 | DmPL-TST5 | TST5 | Just a test | Must have or it seems can't be committed |

Figure 5:
Update, Delete structures through upload of Excel template

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|---|---------------------------------------|------------|-------------------------------------|-----------|----------|-------------|--|--------------|-------|---------|--------|---------|----------------------|----------|
| 1 | Uuid | Type | Parent | Name | Mnemonic | Description | Comment | Mnemonicpath | Level | Status | Latest | Deleted | When | Who |
| 2 | 1d0be1ec-8ca1-47af-8de7-19096617c70 | SUBSYSTEM | b9f4c18-bc05-4d13-9177-85a02f523be2 | DmPL-TST1 | TST1 | Just a test | Must have or it seems can't be committed | DmPL-TST1 | 1 | PENDING | 0 | 0 | 2020-10-20T12:45:00Z | test who |
| 3 | 9d89ef07-cea2-4a3a-ad9c-323b4da12ceb | SUBSYSTEM | b9f4c18-bc05-4d13-9177-85a02f523be2 | DmPL-TST2 | TST2 | Just a test | Must have or it seems can't be committed | DmPL-TST2 | 1 | PENDING | 0 | 0 | 2020-10-20T12:45:00Z | test who |
| 4 | 61234f4c9-bc06-4678-9289-194712ba1150 | DISCIPLINE | b9f4c18-bc05-4d13-9177-85a02f523be2 | DmPL-TST3 | TST3 | Just a test | Must have or it seems can't be committed | DmPL-TST3 | 1 | PENDING | 0 | 0 | 2020-10-20T12:45:00Z | test who |
| 5 | ce888cce-1498-4211-aed1-ba5ef596c364 | SUBSYSTEM | b9f4c18-bc05-4d13-9177-85a02f523be2 | DmPL-TST4 | TST4 | Just a test | Must have or it seems can't be committed | DmPL-TST4 | 1 | PENDING | 0 | 0 | 2020-10-20T12:45:00Z | test who |
| 6 | 6770ed40-7ca0-44b0-88e1-165fa583b6da | SUBSYSTEM | b9f4c18-bc05-4d13-9177-85a02f523be2 | DmPL-TST5 | TST5 | Just a test | Must have or it seems can't be committed | DmPL-TST5 | 1 | PENDING | 0 | 0 | 2020-10-20T12:45:00Z | test who |

Figure 6:
Update, Delete structures through upload of Excel file from previous download.
Values in columns to the right of Comment column are set server-side.

Excel from Server

Names

No template is available.

Columns & Descriptions

Starts with same columns as NameElementCommand.
Can also be used for upload.

Left-to-right

| | |
|-----------------------|---|
| Uuid | Identity (uuid) of the name entry. Value is created server-side. |
| Parentsystemstructure | Identity (uuid) for the system structure parent. |
| Parentdevicestructure | Identity (uuid) for the device structure parent (if the name entry refers to device structure). |
| Index | Index (instance) of the name entry (if the name entry refers to device structure). |
| Description | Description of the name entry. |
| Comment | Comment of the name entry command. |
| Systemstructure | Mnemonic path for for the system structure. |

| | |
|-----------------|--|
| Devicestructure | Mnemonic path for for the device structure. |
| Name | Name (verbose) of the name entry. |
| Status | Status of the name entry. |
| Latest | If the name entry is latest (with status APPROVED) in its line of entries. |
| Deleted | If the name entry is deleted. |
| When | Date and time when the name entry was created. |
| Who | Name (user) of who created the name entry. |

Example

| Index | A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|-------|--------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | Device | Structure | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device |
| 2 | Device | Structure | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device |
| 3 | Device | Structure | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device |
| 4 | Device | Structure | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device |
| 5 | Device | Structure | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device |
| 6 | Device | Structure | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device |
| 7 | Device | Structure | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device |
| 8 | Device | Structure | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device |
| 9 | Device | Structure | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device |
| 10 | Device | Structure | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device |
| 11 | Device | Structure | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device | Device |

Figure 7:
Get names through download of Excel file

Structures

No template is available.

Columns & Descriptions

Starts with same columns as StructureElementCommand.
Can also be used for upload.

Left-to-right

| | |
|--------------|--|
| Uuid | Identity (uuid) of the structure entry. Value is created server-side. |
| Type | Type of the structure entry. Valid values – SYSTEMGROUP, SYSTEM, SUBSYSTEM, DISCIPLINE, DEVICEGROUP, DEVICETYPE. |
| Parent | Identity (uuid) for the structure entry parent (if the structure entry has a parent). |
| Name | Name (verbose) of the structure entry. |
| Mnemonic | Mnemonic of the structure entry. |
| Description | Description of the structure entry. |
| Comment | Comment of the structure entry command. |
| Mnemonicpath | Mnemonic path of the structure entry. |

