

# Naming REST API – Excel guide

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## Introduction

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

Excel templates may be used to upload names and structures to Naming. 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.

Names and structures may also be downloaded from Naming as Excel files.

## 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

## 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.
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		

## 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.

## 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.
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.
Level	Level of the structure entry.
Status	Status of the structure entry.
Latest	If the structure entry is latest (with status APPROVED) in its line of entries.
Deleted	If the structure entry is deleted.
When	Date and time when the structure entry was created.
Who	Name (user) of who created the structure entry.

## Reference

Naming convention

- <https://chess.esss.lu.se/enovia/link/ESS-0000757/21308.51166.45568.45993/valid>