

# OSU Asset Export Admin Guide - Revit 2019-2024

## Introduction

The admin guide is applicable only to OSU Revit Project users with administrative privileges. The guide provides information on how to configure the family category settings so that the OSU Asset Export application can successfully extract the required model data for your projects.

## OSU Asset Export – Overview

As the Revit administrator, you must properly set up your OSU projects and the configuration file to enable the OSU Asset Export application to extract the required parameter data from a Revit model.

The application uses the category settings to extract the required parameter data from a Revit model's family. The categories and their associated Revit API codes can be set up in the custom configuration file named **OSURevitSettings.xml**, which resides in the **Add in** folder for the OSU Asset Export application.

## Configure the OSURevitSettings.xml file

The **OSURevitSettings.xml** file has a set of Revit categories, each with a custom definition that is specific to OSU projects. Each category has three fields associated with it, as shown below in the table.

Field	Description
<i>Name</i>	<i>Name of the category.</i>
<i>Include</i>	<i>This can have a true or false value and it determines whether the category should be included in the export or not.</i>
<i>Code</i>	<i>The code for the Revit API that the Asset Export application should use to interrogate the model for data extraction.</i>

You can modify the values for the existing categories, remove any unwanted categories, or add new categories, as required. The settings file includes the following categories by default: Air Terminals, Data Devices, Doors, Electrical Equipment, Electrical Fixtures, Fire Alarm Devices, Generic Models, Lighting Devices, Lighting Fixtures, Mechanical Equipment, Nurse Call Devices, Pipe Accessories, Plumbing Fixtures, Security Devices, Specialty Equipment or Telephone Devices

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## Add a new Revit Category code

1. From the list of Revit Category codes available from Autodesk, identify the code that you want to add to the **OSURevitSettings.xml** file.

**Note:** Click on the link below to access the complete list of Autodesk Revit API codes and their documentation. Click the tabs at the top left to change Revit version.

<https://www.revitapidocs.com/2020/ba1c5b30-242f-5fdc-8ea9-ec3b61e6e722.htm>

2. Locate the **OSURevitSettings.xml** file in the C:\ProgramData\Autodesk\Revit\Addins\<Revit version> directory.
3. Open the **OSURevitSettings.xml** file in a file editor. Set the three fields with appropriate values (as shown in the image below):
  - **Name:** Enter a logical Revit name for the category. This will appear as a parameter value in the Asset Export application during data export.
  - **Include:** Select **True** to include the category in the data extraction and **False** to exclude it.
  - **Code:** Provide the API code that you had identified from the Autodesk list.

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <OSURevitSettings xmlns:xsd="http://www.w3.org/2001/XMLSchema"
3    <RevitCategories>
4      <OSUCategory>
5        <Name>Air Terminals</Name>
6        <Include>false</Include>
7        <Code>OST_DuctTerminal</Code>
8      </OSUCategory>
9      <OSUCategory>
10       <Name>Fire Alarm Devices</Name>
11       <Include>true</Include>
12       <Code>OST_FireAlarmDevices</Code>
13     </OSUCategory>
14     <OSUCategory>
15       <Name>Electrical Equipment</Name>
16       <Include>false</Include>
17       <Code>OST_ElectricalEquipment</Code>
18     </OSUCategory>
19     <OSUCategory>
20       <Name>Electrical Fixtures</Name>
21       <Include>false</Include>
22       <Code>OST_ElectricalFixtures</Code>
23     </OSUCategory>
24     <OSUCategory>
25       <Name>Generic Models</Name>
26       <Include>true</Include>
27       <Code>OST_GenericModel</Code>
28     </OSUCategory>
```

4. Save the file.



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## Include or exclude a Category for data extraction

You can modify an existing category to include or exclude it during data extraction.

1. Open the **OSURevitSettings.xml** file in a file editor.
2. Locate the Category that you want to edit.
3. In the **Include** field for the Category, select **true** to include the category for data extraction and **false** to exclude it.

**Important:**

In the **OSURevitSettings.xml** file, do not change anything other than set a true/false value for the **Include** field. Make sure that the true/false value is always in lower case.

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <OSURevitSettings xmlns:xsd="http://www.w3.org/2001/XMLSchema"
3   <RevitCategories>
4     <OSUCategory>
5       <Name>Air Terminals</Name>
6       <Include>false</Include>
7       <Code>OST_DuctTerminal</Code>
8     </OSUCategory>
9     <OSUCategory>
10      <Name>Fire Alarm Devices</Name>
11      <Include>true</Include>
12      <Code>OST_FireAlarmDevices</Code>
13    </OSUCategory>
14    <OSUCategory>
15      <Name>Electrical Equipment</Name>
16      <Include>false</Include>
17      <Code>OST_ElectricalEquipment</Code>
18    </OSUCategory>
19    <OSUCategory>
20      <Name>Electrical Fixtures</Name>
21      <Include>false</Include>
22      <Code>OST_ElectricalFixtures</Code>
23    </OSUCategory>
24    <OSUCategory>
25      <Name>Generic Models</Name>
26      <Include>true</Include>
27      <Code>OST_GenericModel</Code>
28    </OSUCategory>
```

4. Save the file.

