

# Import Family Types Using Dynamo

# Import Family Types

Using Dynamo



aussie BIM guru

# Thanks for the request!



Frank Smith • 1 month ago

Do you think it's possible to run the script with number values from Excel?

REPLY

2 replies ^



1



**Aussie BIM Guru** • 1 month ago

Definitely possible, although not ideal for formulae which lock values down.



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# Non-Dynamo workflow



# Create Revit Family Types using CSV Files!

207 views • Published on Apr 5, 2019



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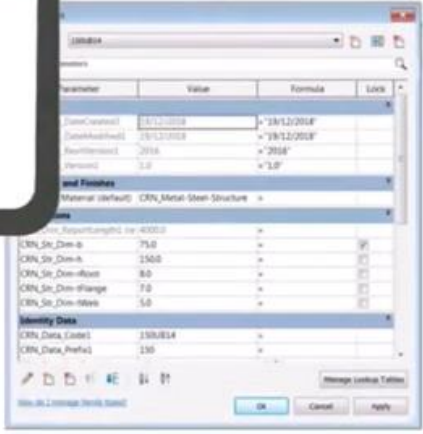


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PowerPoint Presentation - Adobe Acrobat Pro

File Edit View Window Help



| Parameter    | Value     | Formula      | Link |
|--------------|-----------|--------------|------|
| CrackControl | 0.12/2008 | < 18/12/2008 |      |
| CrackControl | 0.12/2008 | < 18/12/2008 |      |
| CrackControl | 0.12/2008 | < 18/12/2008 |      |
| CrackControl | 0.12/2008 | < 18/12/2008 |      |
| CrackControl | 0.12/2008 | < 18/12/2008 |      |

and Features

Material default: CRN\_Metal-Steel Structure

CRN\_Spr\_Dim-0 75.0

CRN\_Spr\_Dim-1 150.0

CRN\_Spr\_Dim-2 8.0

CRN\_Spr\_Dim-3 7.0

CRN\_Spr\_Dim-4 5.0

Identity Data

CRN\_Data\_Link 130/014

CRN\_Data\_Pref 130

0:09 / 31:43

CC HD

# Export Family Types

## Using Dynamo

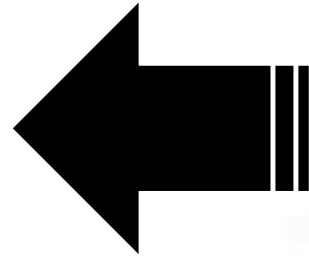


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# The Workflow



Ex. Types  
New Types



Ex. types



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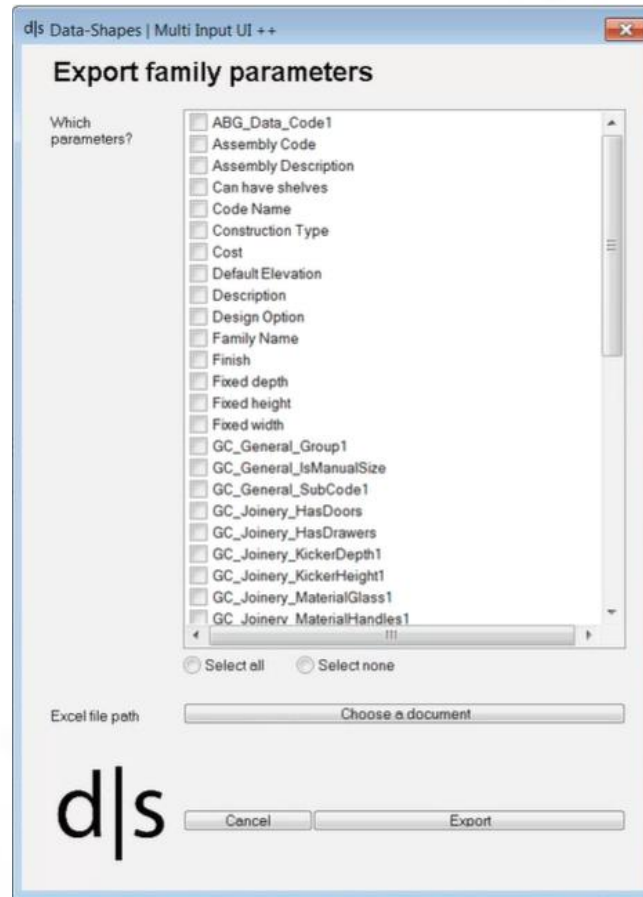
# The Output

| String                          | String         | String        | String             | Double      | Double       | Double      | String            | Material                                  | Material                   | Int64                     | String    |
|---------------------------------|----------------|---------------|--------------------|-------------|--------------|-------------|-------------------|---|----------------------------|---------------------------|-----------|
| Type Name                       | ABG_Data_Code1 | Assembly Code | Description        | Fixed depth | Fixed height | Fixed width | GC_General_Group1 | GC_Joinery_MaterialGlass1                 | GC_Joinery_MaterialPanels1 | GC_Joinery_NumberOfDoors1 | Keynote   |
| J.CUB-200 - 2 Door, Custom Size | J.CUB-200      | E2010.30      | ry - Underbench, 2 | 600         | 720          | 900         | 1                 | _Plastic_Acrylic_Clear_Paint_FlatColour_W |                            | 2                         | J.CUB-200 |
| J.CUB-212 - 2 Door, 900x600x900 | J.CUB-212      | E2010.30      | ry - Underbench, 2 | 600         | 900          | 900         | 1                 | _Plastic_Acrylic_Clear_Paint_FlatColour_W |                            | 2                         | J.CUB-212 |





# The UI



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# Data Types

Text (Strings)

Integers (Int64)

Numbers (Double)

YesNo (Booleans)

Materials (Material)



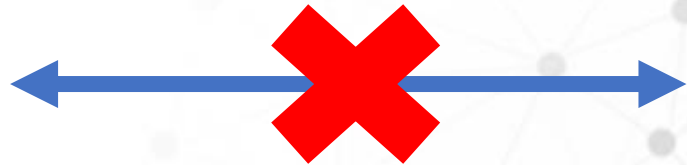
# Data Types

Text



String

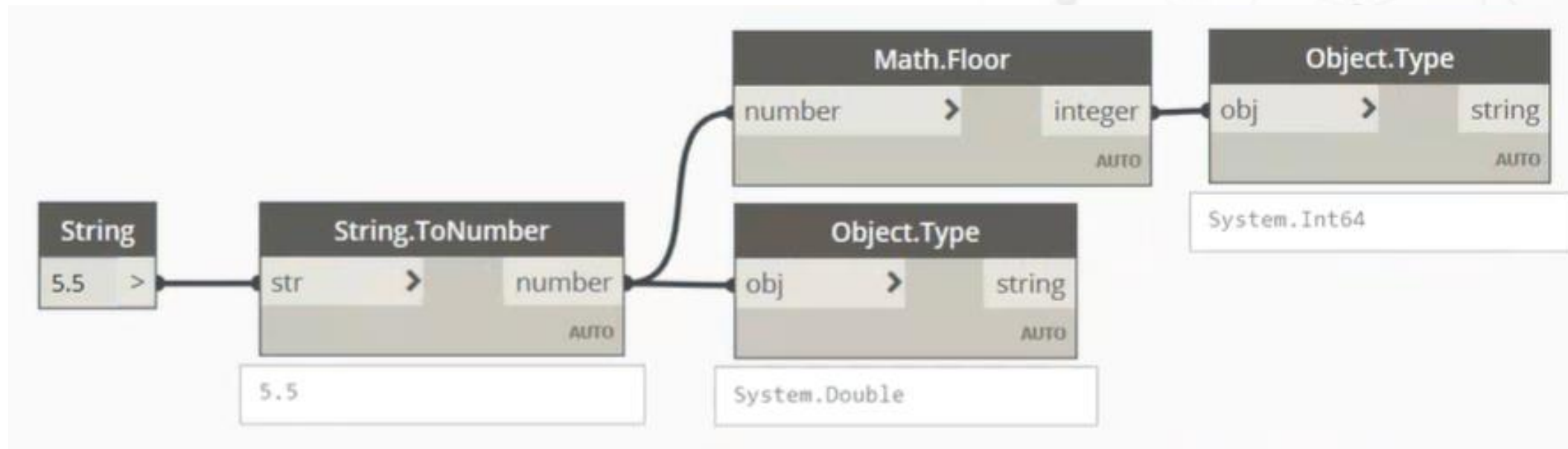
Text



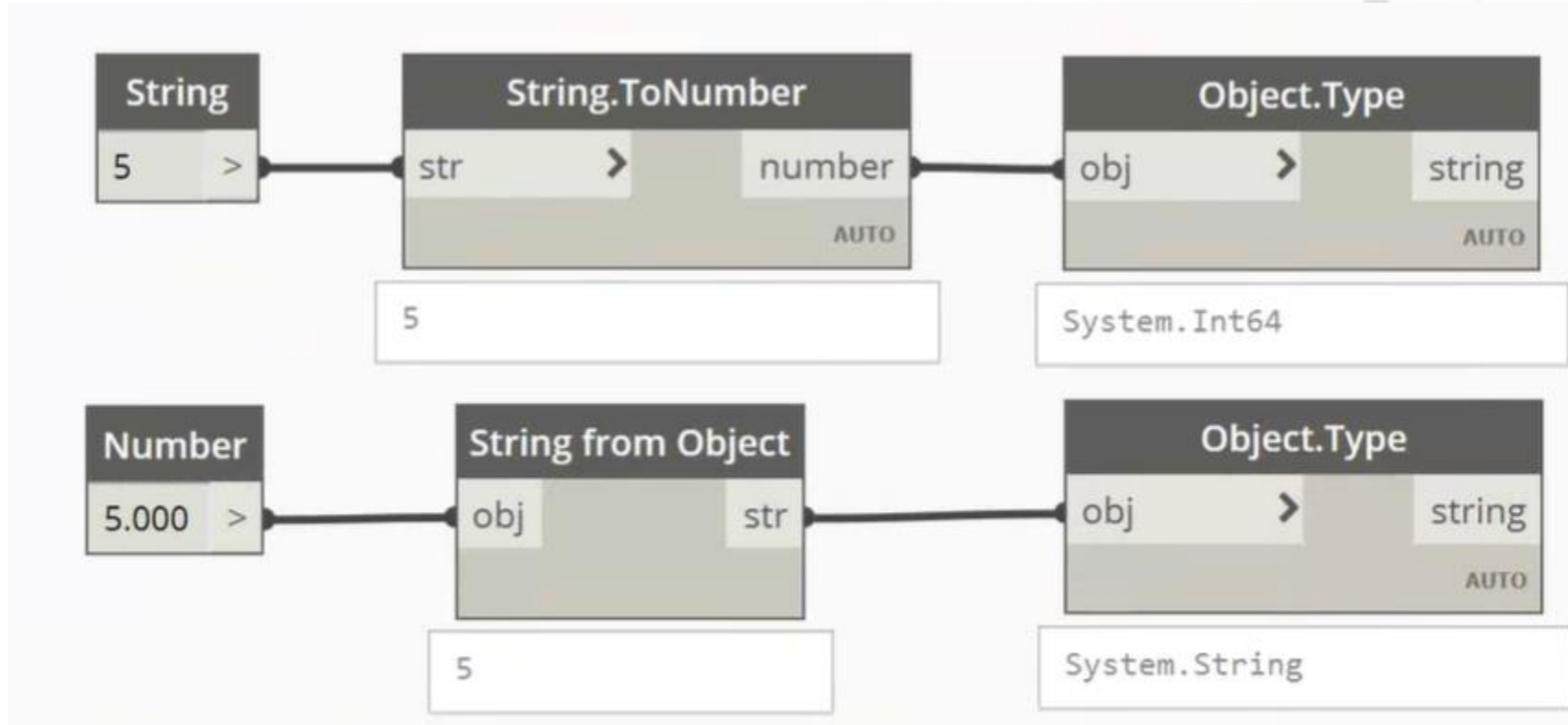
Number



# Conversion



# Conversion

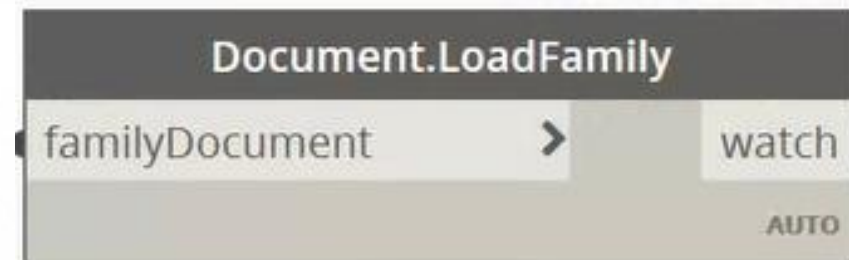
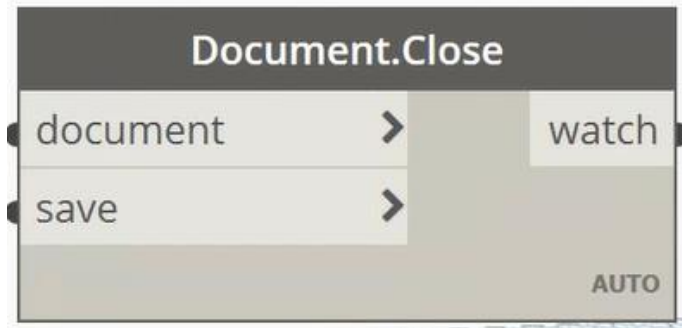


# Conversion



# Custom Nodes

## Orchid



# Versioning

## 2.0.3 Ideally



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Without further ado...

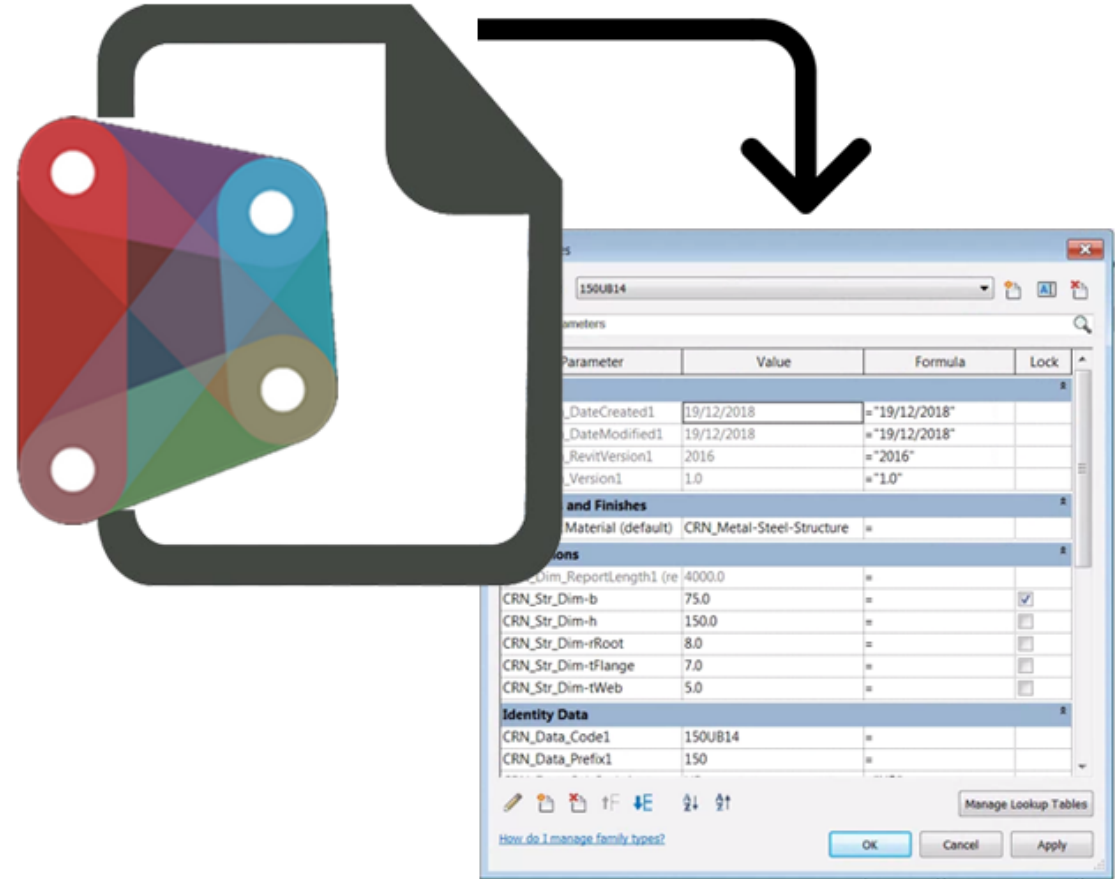


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# Exception: No new types

Catch and handle this case  
by identifying 'null' lists and  
re-routing your existing types  
using an 'If' node





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