2021

Revit 2021

What’s new?

Ordered by Excitement

At least for me!

For more videos:

https://blogs.autodesk.com/revit/2020/04/08/whats-new-in-revit-2021/

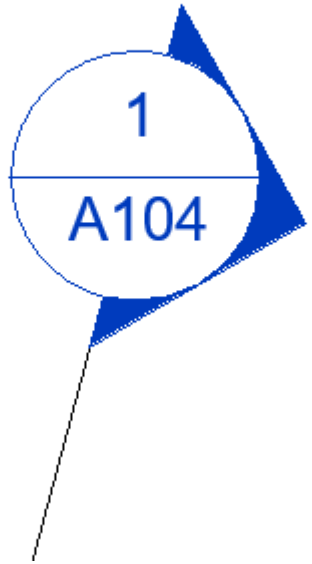
Should I upgrade yet?

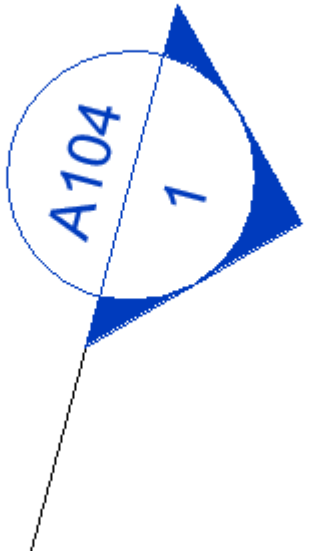
No

Usually wait for
update 2 (SP2)

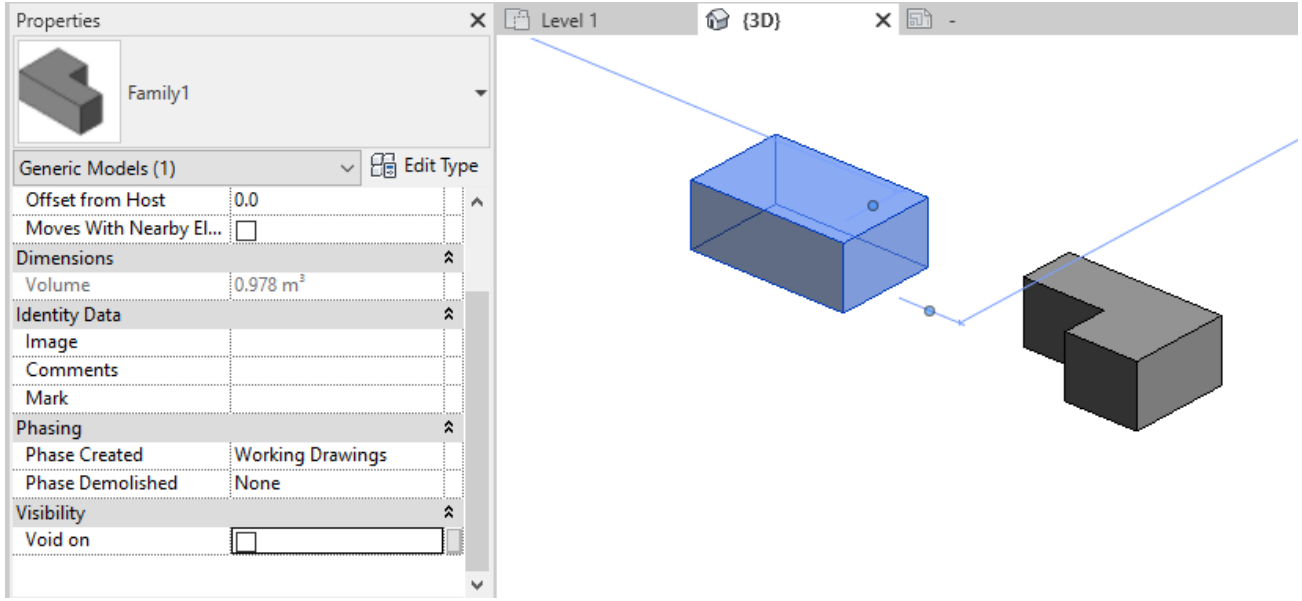
Engineers may have more motivation this time around

1
Annotation Text Orientation

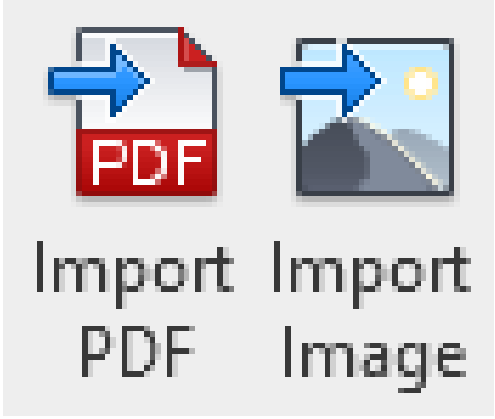


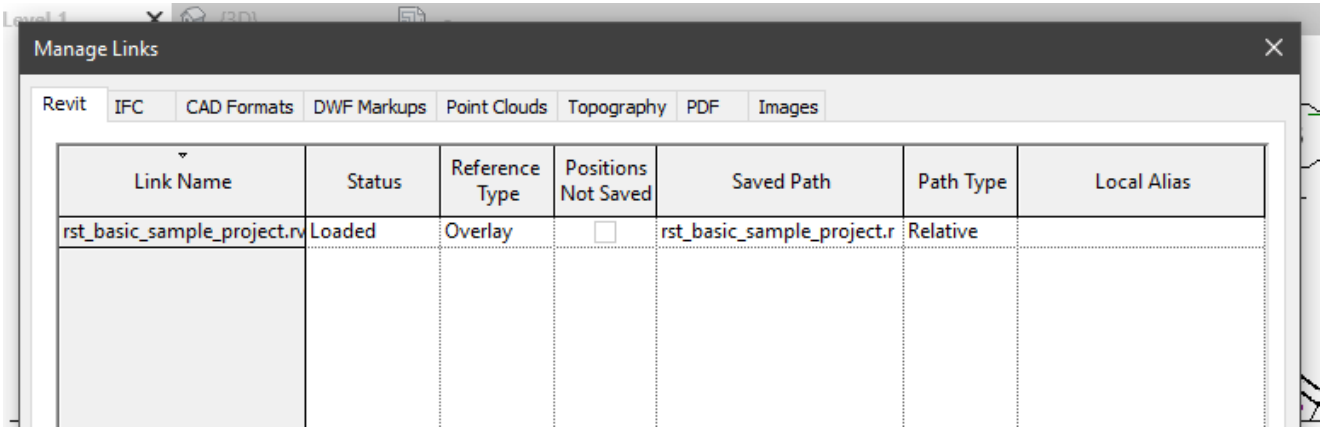


2
Parametric Family Voids



3
Link PDF
Link Image





4
Schedule ‘Quality of Life’ Improvements

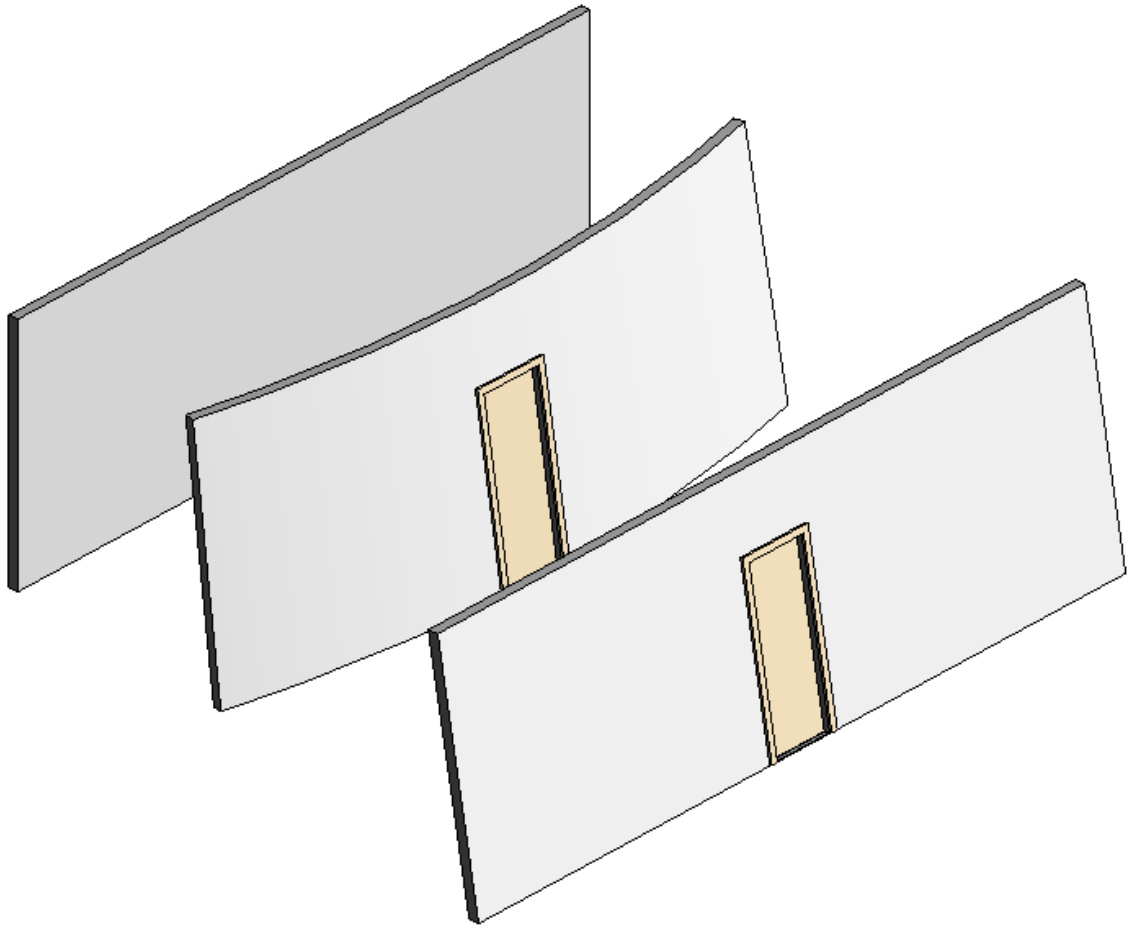
Row stripe control

Highlight selected row

Zoom controls

Freeze header row

5
Slanted Walls

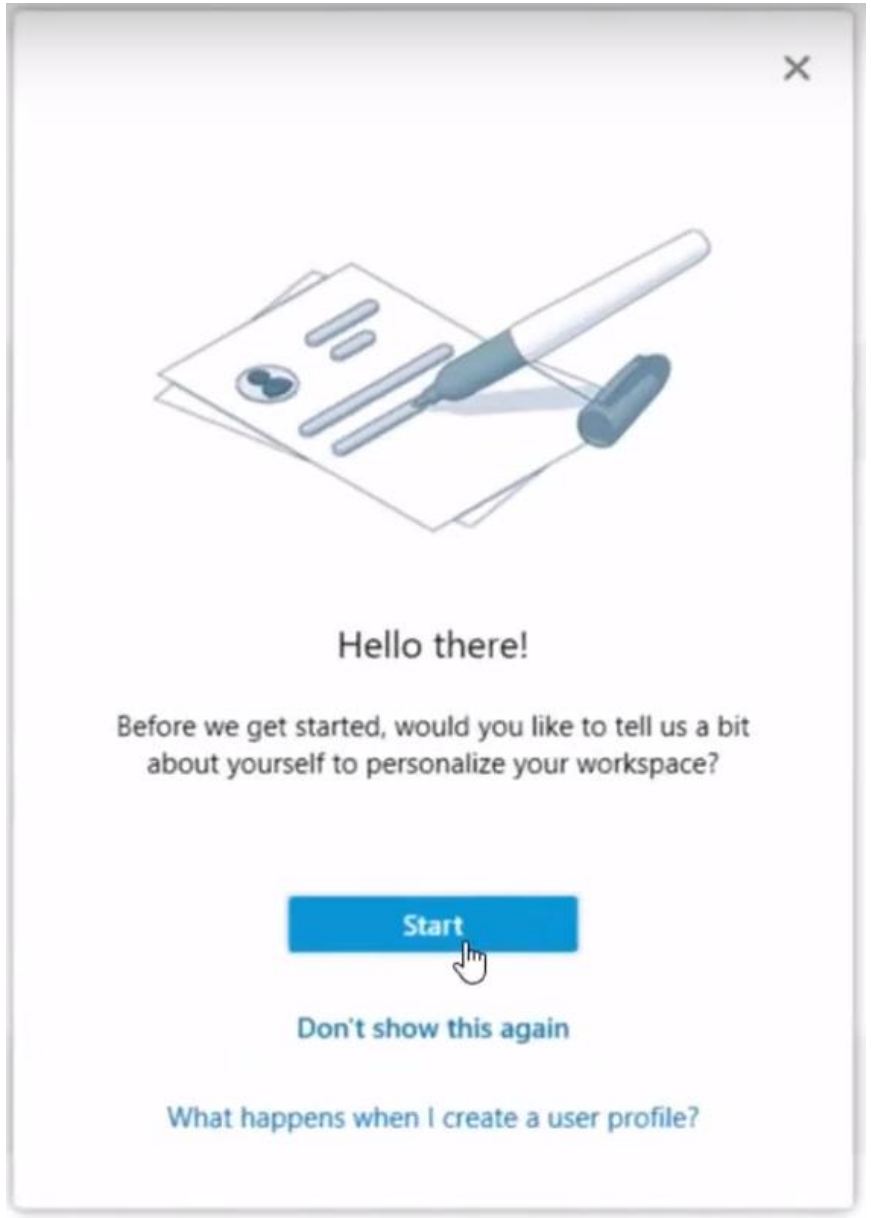


6
Filters
Enable in View

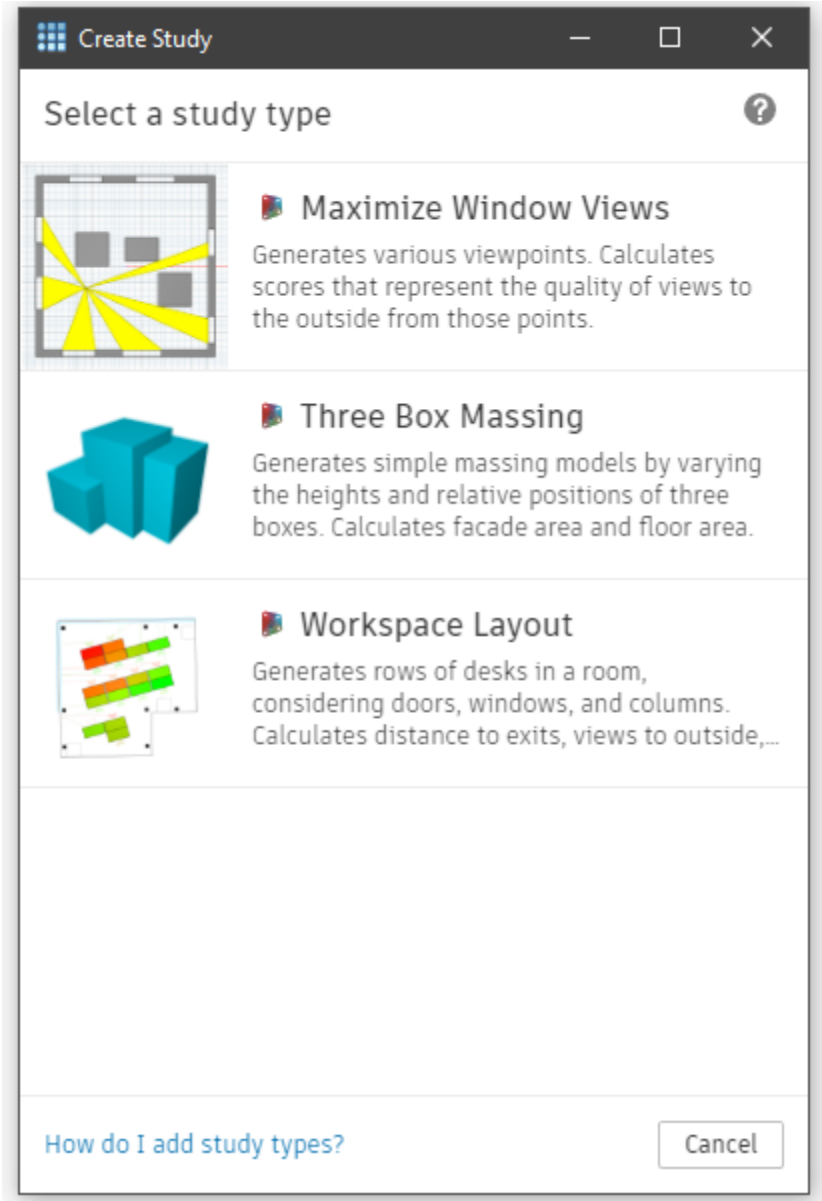
Name	Enable Filter	Visibility	
Interior	☑	☑	

7
Realistic Mode Rehauled

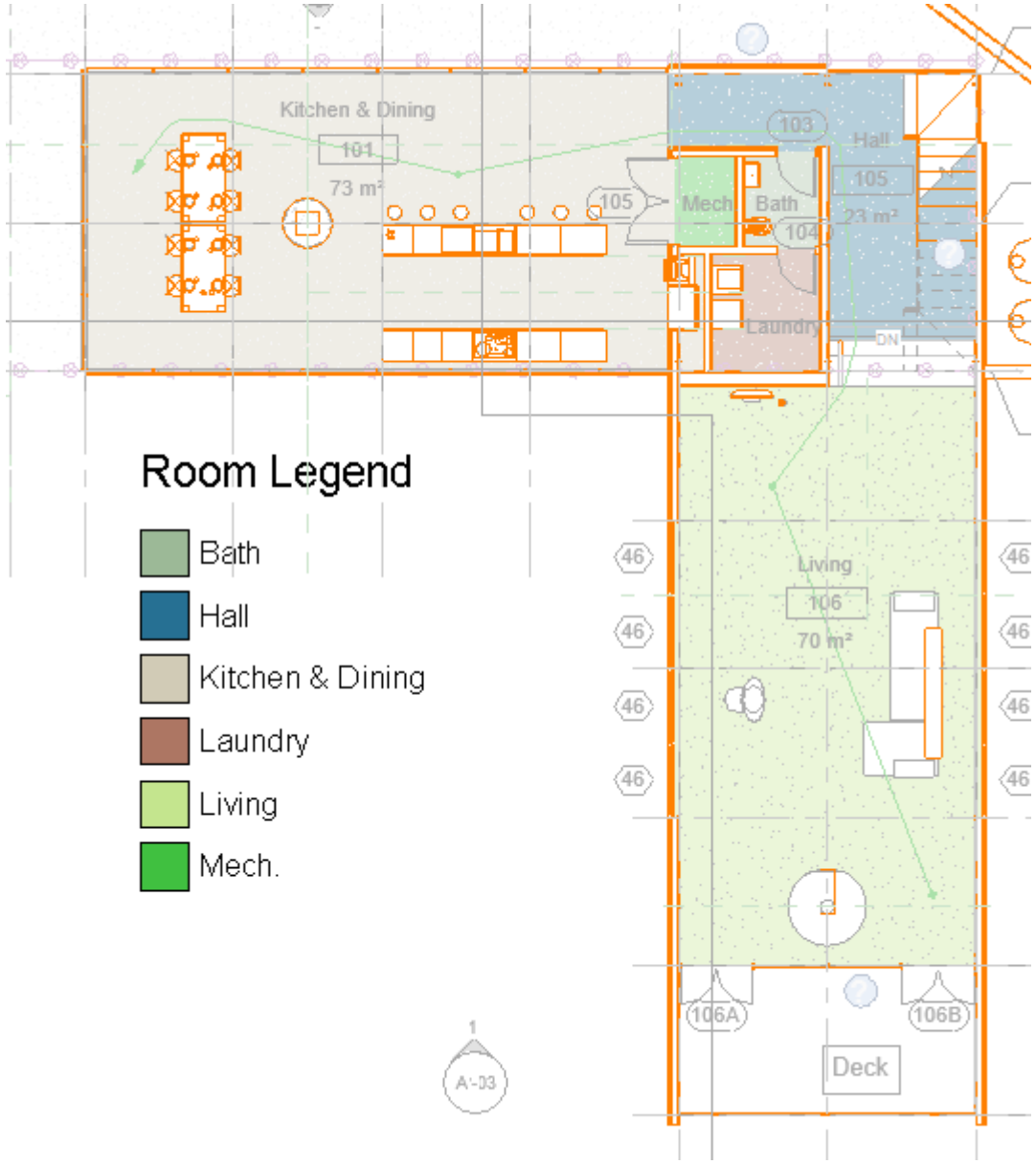
8
UI Customisation



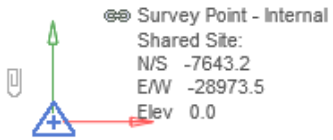
9
Generative Design

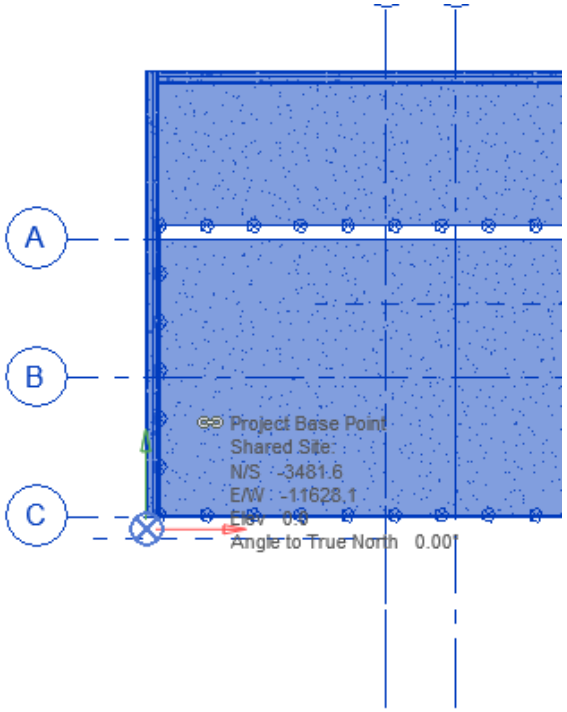


10
Path of Travel
More control



11
Display Link Base Points



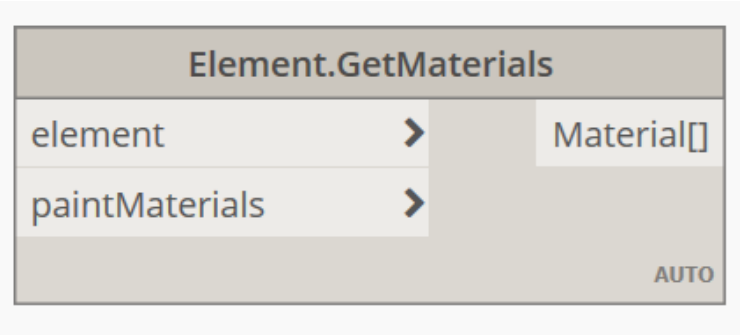


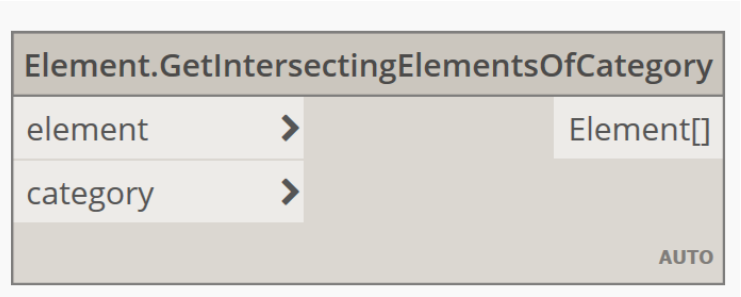
Dynamo 2.5

Generally, performance has increased all round

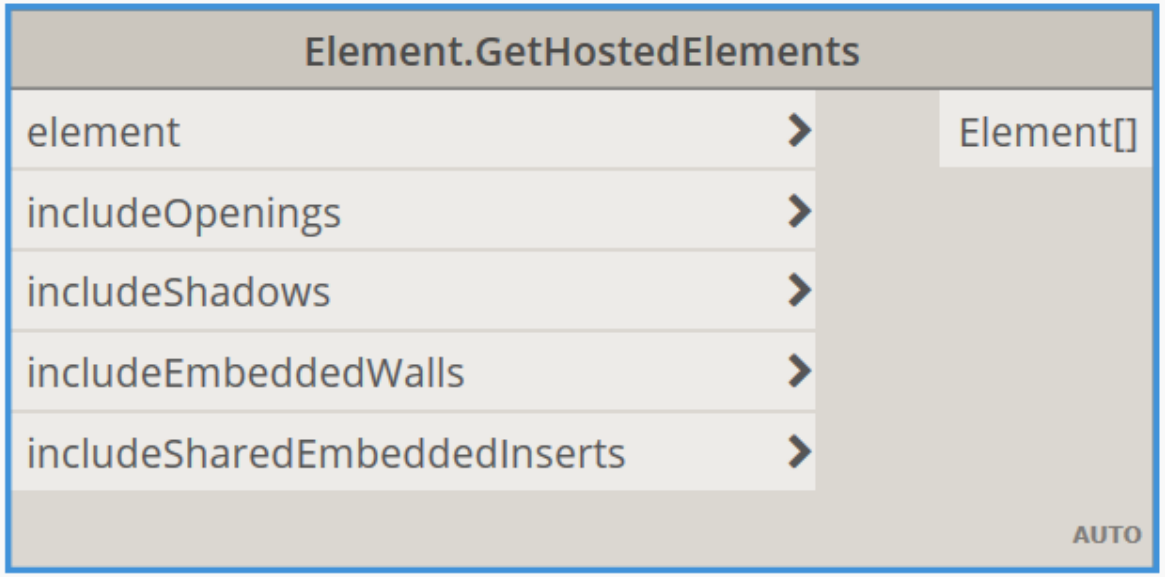
https://dynamobim.org/dynamo-core-2-5-release/

Dynamo 2.5

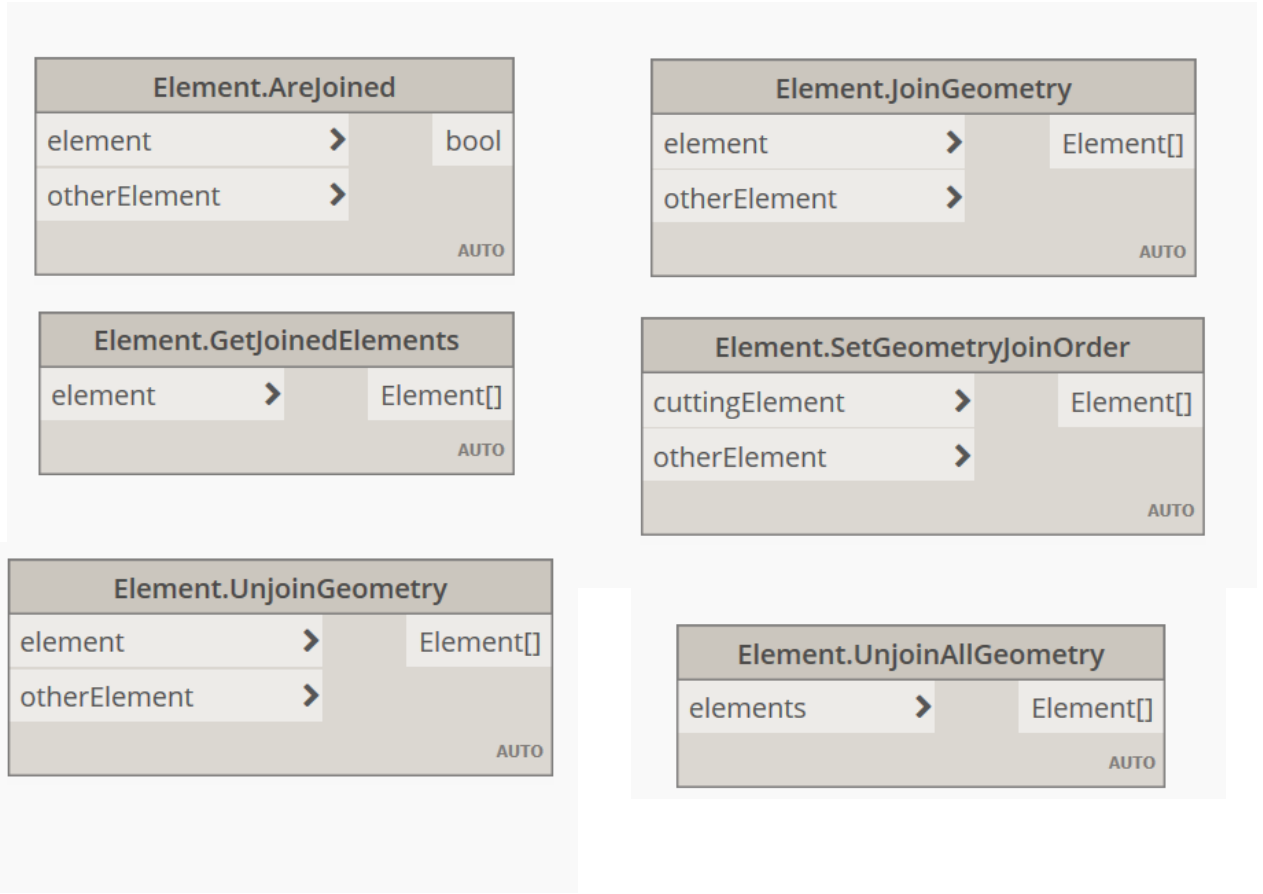

Element.GetMaterials
element
paintMaterials
Material[]
AUTO


Element.GetIntersectingElementsOfCategory
element
category
Element[]
AUTO

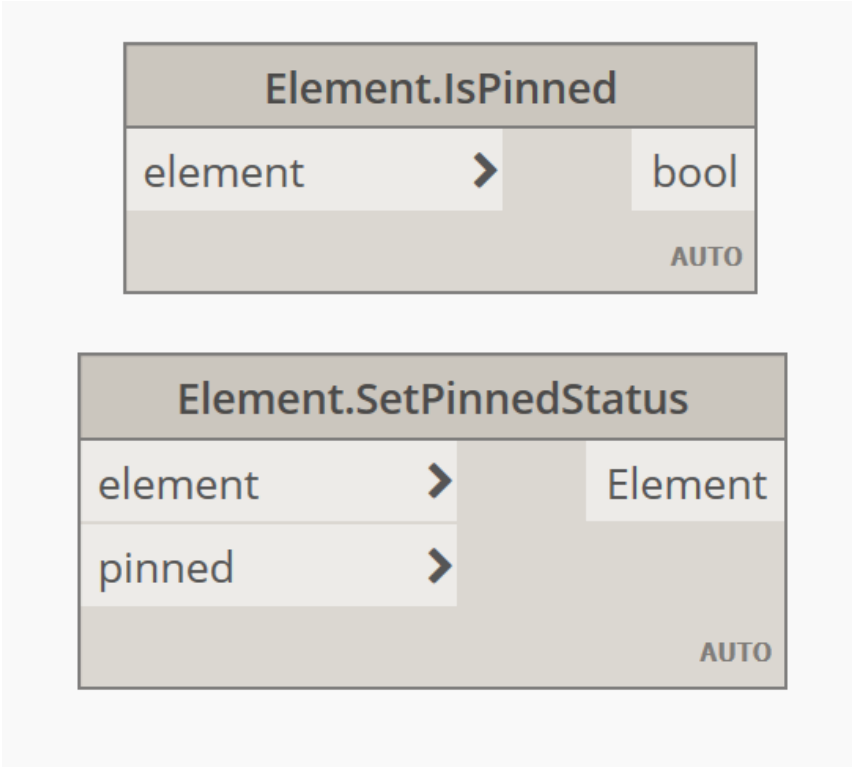
Dynamo 2.5


Element.GetHostedElements
element
includeOpenings
includeShadows
includeEmbeddedWalls
includeSharedEmbeddedInserts
Element[]
AUTO

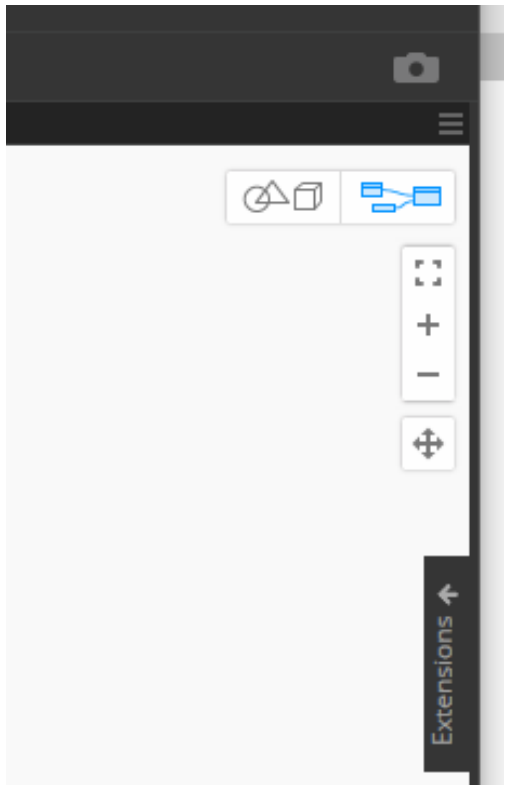
Dynamo 2.5


Element.AreJoined
element
otherElement
bool
AUTO
Element.JoinGeometry
element
otherElement
Element[]
AUTO
Element.GetJoinedElements
element
Element[]
AUTO
Element.SetGeometryJoinOrder
cuttingElement
otherElement
Element[]
AUTO
Element.UnjoinGeometry
element
otherElement
Element[]
AUTO
Element.UnjoinAllGeometry
elements
Element[]
AUTO

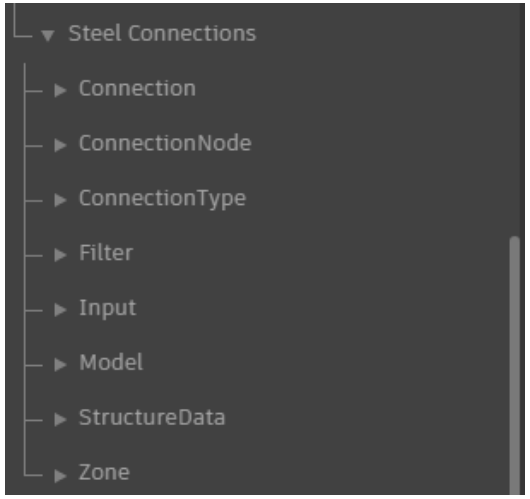
Dynamo 2.5

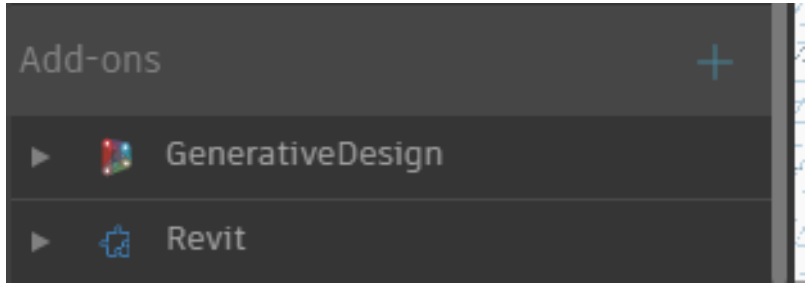

Element.IsPinned
element
bool
AUTO
Element.SetPinnedStatus
element
Element
pinned
AUTO

Dynamo 2.5



Dynamo 2.5


Steel Connections
Connection
ConnectionNode
ConnectionType
Filter
Input
Model
StructureData
Zone


Add-ons
GenerativeDesign
Revit

Dynamo 2.5
Package Manager

Downvote removed
Speed improved
Filter by platform

Worksharing

BIM360 Home page

Servers in Europe

MEP checks out connected elements

Engineering

Infrastructure categories

Structural Modelling

More 3d rebar shapes
Edit rebar hook ends
Bending instructions
Arc shaped couplers
End treatment without couplers
Stiffeners
Profile editing
Place elements in section/elevation

Engineering

Electrical

Circuit naming options
Panel schedules show under sheets
Single phase panelboards

Analytical

Structural integration
Mechanical integration
Send Revit to Inventor 2021

Verdict?

Presentation

https://github.com/aussieBIMguru

2021

Revit 2021

What’s new?