Model Clean-up
Using Dynamo

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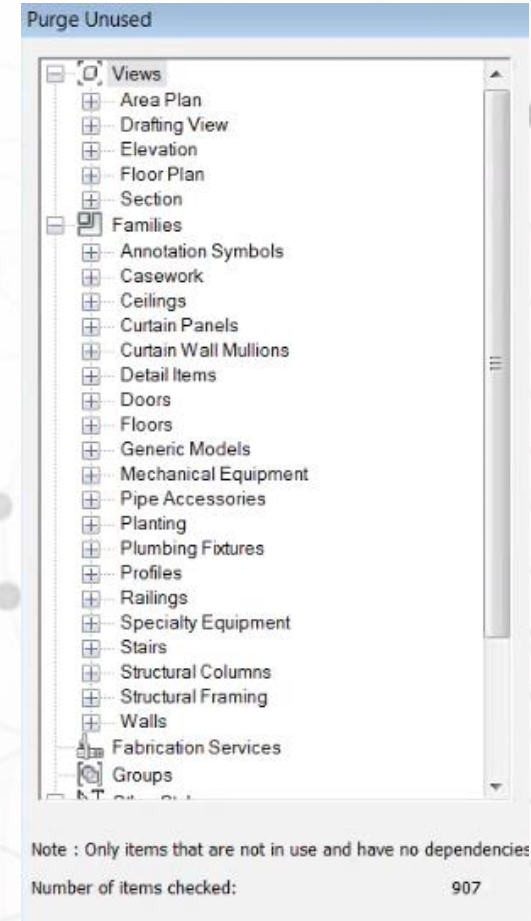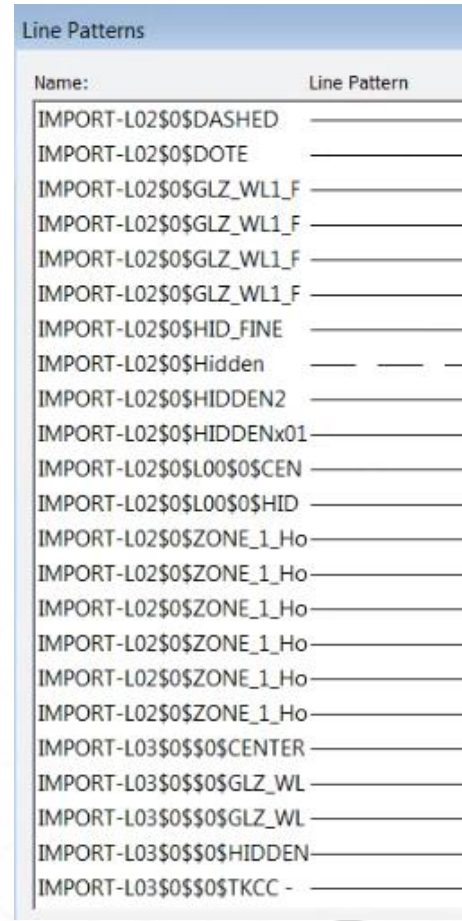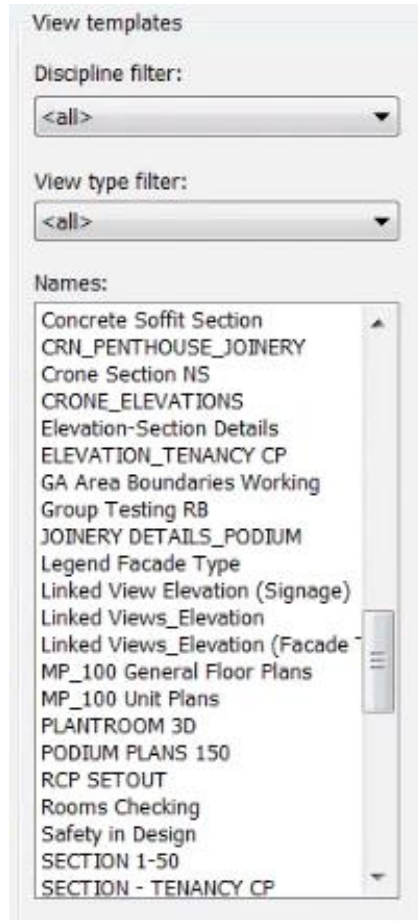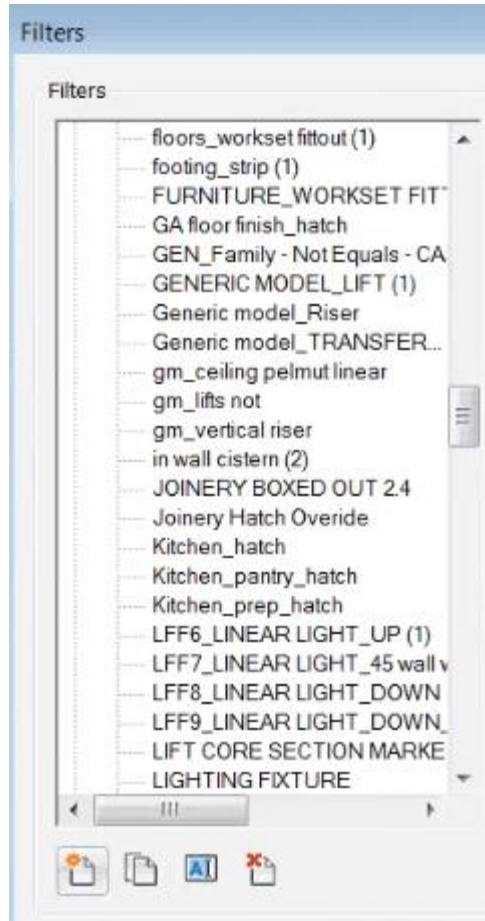aussie BIM guru

Let's face it…

Our Revit models
Can get a bit messy!

Filters

Filters

- floors_workset fittout (1)
- footing_strip (1)
- FURNITURE_WORKSET FIT
- GA floor finish_hatch
- GEN_Family - Not Equals - CA
- GENERIC MODEL_LIFT (1)
- Generic model_Riser
- Generic model_TRANSFER...
- gm_ceiling pelmut linear
- gm_lifts not
- gm_vertical riser
- in wall cistern (2)
- JOINERY BOXED OUT 2.4
- Joinery Hatch Overide
- Kitchen_hatch
- Kitchen_pantry_hatch
- Kitchen_prep_hatch
- LFF6_LINEAR LIGHT_UP (1)
- LFF7_LINEAR LIGHT_45 wall v
- LFF8_LINEAR LIGHT_DOWN
- LFF9_LINEAR LIGHT_DOWN_
- LIFT CORE SECTION MARKE
- LIGHTING FIXTURE

View templates

Discipline filter:

<all>

View type filter:

<all>

Names:

- Concrete Soffit Section
- CRN_PENTHOUSE_JOINERY
- Crone Section NS
- CRONE_ELEVATIONS
- Elevation-Section Details
- ELEVATION_TENANCY CP
- GA Area Boundaries Working
- Group Testing RB
- JOINERY DETAILS_PODIUM
- Legend Facade Type
- Linked View Elevation (Signage)
- Linked Views_Elevation
- Linked Views_Elevation (Facade
- MP_100 General Floor Plans
- MP_100 Unit Plans
- PLANTROOM 3D
- PODIUM PLANS 150
- RCP SETOUT
- Rooms Checking
- Safety in Design
- SECTION 1-50
- SECTION - TENANCY CP

Line Patterns

Name:	Line Pattern
IMPORT-L02$0$DASHED	
IMPORT-L02$0$DOTE	
IMPORT-L02$0$GLZ_WL1_F	
IMPORT-L02$0$GLZ_WL1_F	
IMPORT-L02$0$GLZ_WL1_F	
IMPORT-L02$0$GLZ_WL1_F	
IMPORT-L02$0$HID_FINE	
IMPORT-L02$0$Hidden	
IMPORT-L02$0$HIDDEN2	
IMPORT-L02$0$HIDDENx01	
IMPORT-L02$0$L00$0$CEN	
IMPORT-L02$0$L00$0$HID	
IMPORT-L02$0$ZONE_1_Ho	
IMPORT-L02$0$ZONE_1_Ho	
IMPORT-L02$0$ZONE_1_Ho	
IMPORT-L02$0$ZONE_1_Ho	
IMPORT-L02$0$ZONE_1_Ho	
IMPORT-L02$0$ZONE_1_Ho	
IMPORT-L03$0$$0$CENTER	
IMPORT-L03$0$$0$GLZ_WL	
IMPORT-L03$0$$0$GLZ_WL	
IMPORT-L03$0$$0$HIDDEN	
IMPORT-L03$0$$0$TKCC -	

Purge Unused

- Views
  - Area Plan
  - Drafting View
  - Elevation
  - Floor Plan
  - Section
- Families
  - Annotation Symbols
  - Casework
  - Ceilings
  - Curtain Panels
  - Curtain Wall Mullions
  - Detail Items
  - Doors
  - Floors
  - Generic Models
  - Mechanical Equipment
  - Pipe Accessories
  - Planting
  - Plumbing Fixtures
  - Profiles
  - Railings
  - Specialty Equipment
  - Stairs
  - Structural Columns
  - Structural Framing
  - Walls
- Fabrication Services
- Groups

Note : Only items that are not in use and have no dependencies

Number of items checked: 907

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Issues this can cause

Large model **size**
Slower load/sync times
More **crashing**
Harder to **find** things
User **frustration**

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Common cleaning targets

Unused filters

Unused view templates

CAD Import line patterns

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Common exchange targets

Unpurged elements

Working Views
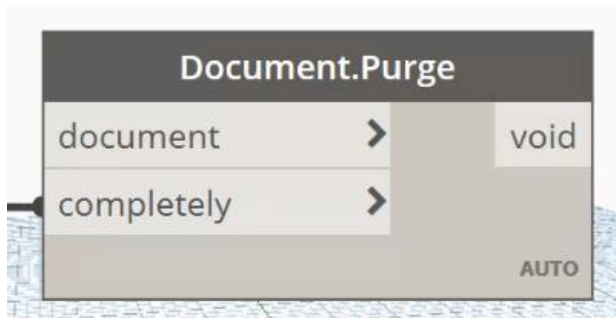
Legends

Schedules

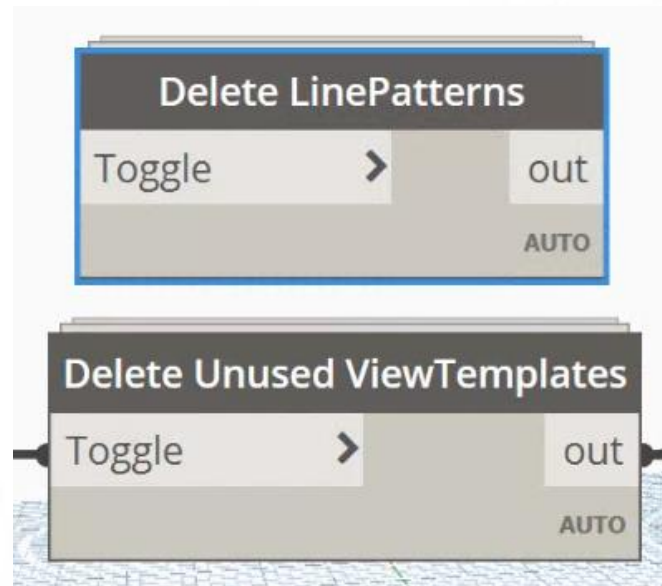aussie BIM guru

Dynamo

Can clean up
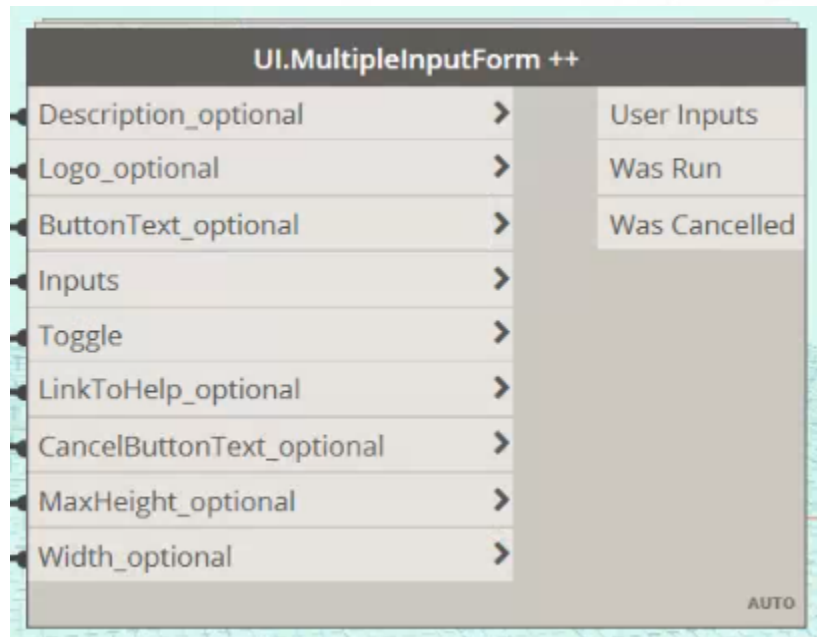**All of this mess!**

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Custom Nodes

Custom Nodes

Data shapes

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Broken Node?

Modelical
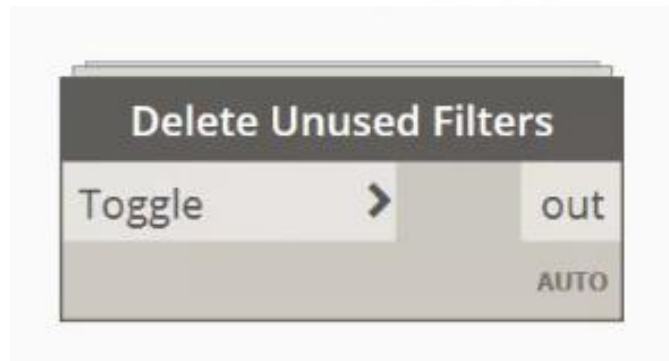
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Solution - Python

https://bimone.com/en/Blog/Dynamoscript2

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Versioning

2.0.3

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