

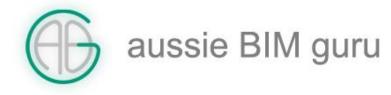
Worksharing and Central Models

Using Autodesk Revit



Covered in session

Creating a Central File Worksets Creating Local Files Synchronizing/Saving Restoring (rollback) Archiving/Moving Central Rewriting Central

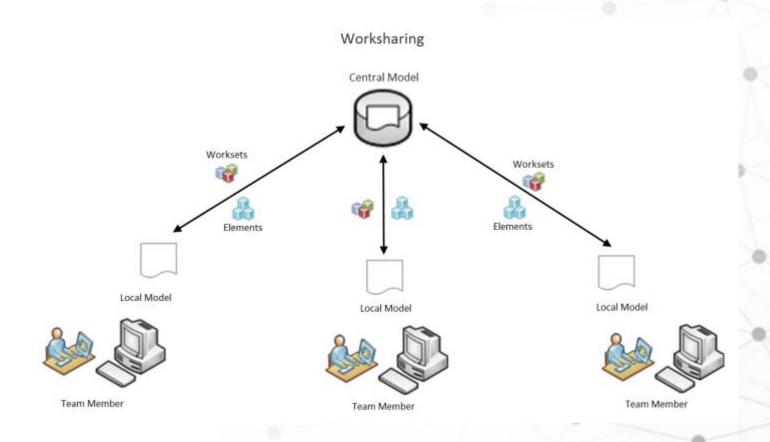


Creating Central Files

Summary



What is Central?





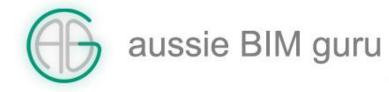
(Image from Autodesk Knowledge Network)

Demonstration...



Worksets

Summary



What are Worksets?

A **workset** is a collection of elements in a workshared project. You can create **worksets** based on functional areas, such as the following: For architecture and structural engineering: interior, exterior, and site. For systems: HVAC, electrical, or plumbing.

(From Autodesk Knowledge Network)

If we over-simplify them – see them as Layers



Why use Worksets?

Additional visibility/grouping beyond categories, filters, groups etc.

Open less elements whilst working

They facilitate Worksharing



Demonstration...



My Recommended Worksets

Architecture

walls, ceilings, finishes, doors, internal windows, railings etc.

Structure

concrete and steel

Facade

cladding the building (roof, cladding, soffits etc.)

Site

outside building, inside site

Context

outside site

Levels & Grids

explanatory

Reference Planes

explanatory

Scope Boxes explanatory

?Hidden/Working?

Up for debate...

one per linked model, one per linked dwg set





Workset1 Leave it be!



It behaves like Layer O/Defpoints in AutoCAD

Holds onto coordinates, nesting behaviours etc.

Do not rename it, do not use it



Creating Local Files

Summary





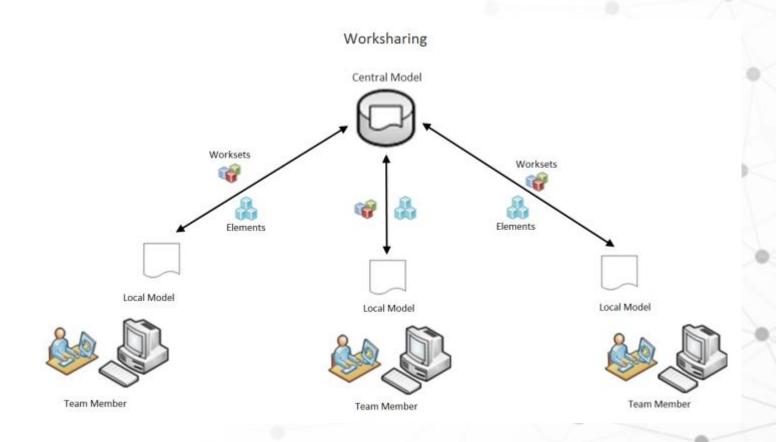
Warning!



Never open central directly, or via windows explorer. Always through Revit, and as a local file



What is a Local file?





(Image from Autodesk Knowledge Network)

Demonstration...



Note

Whilst you can technically open an old local file, reload latest and keep working...

It is most often safer and quicker to create a new local file



Note

Clean your local files at least once per week

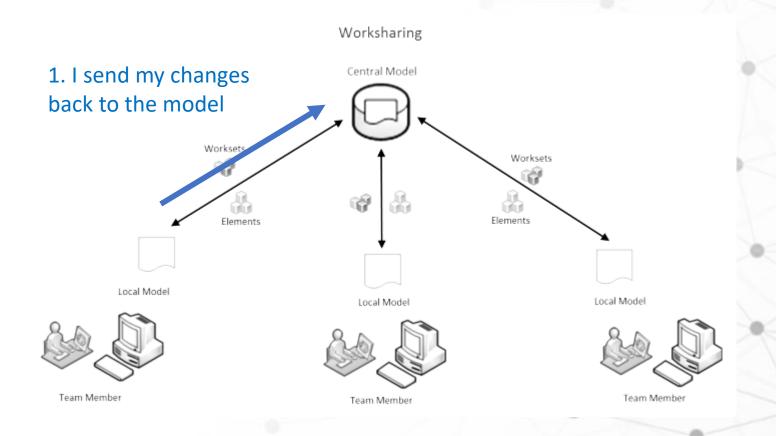
Do **not** let them build up, they will take up your local disk drive space and eventually impact performance



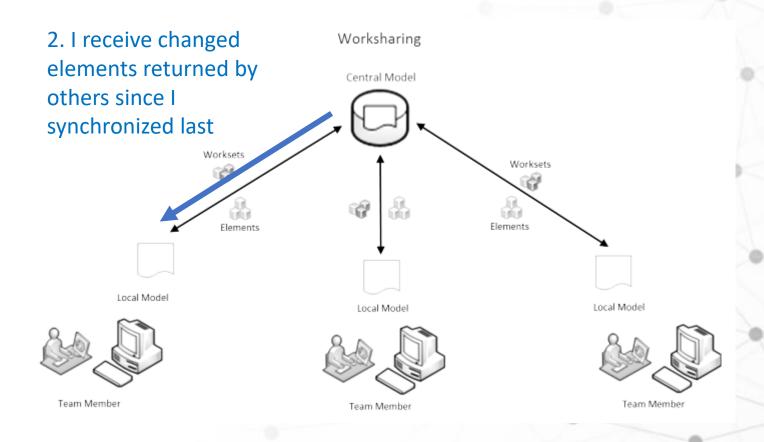
Synchronizing

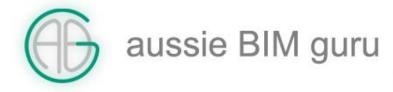
Summary

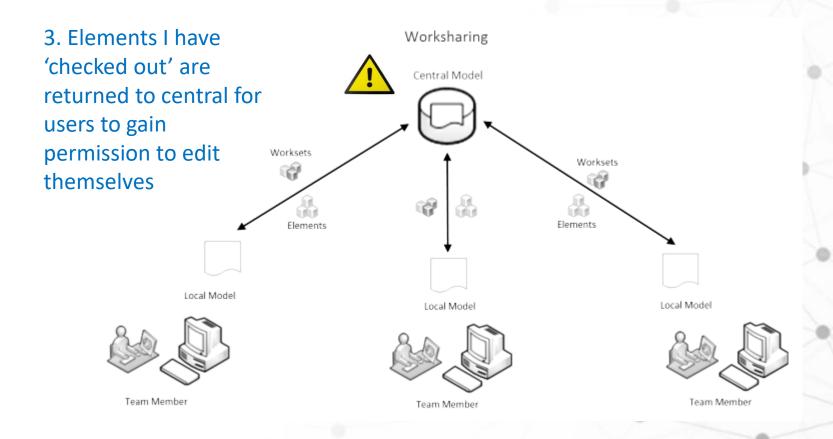




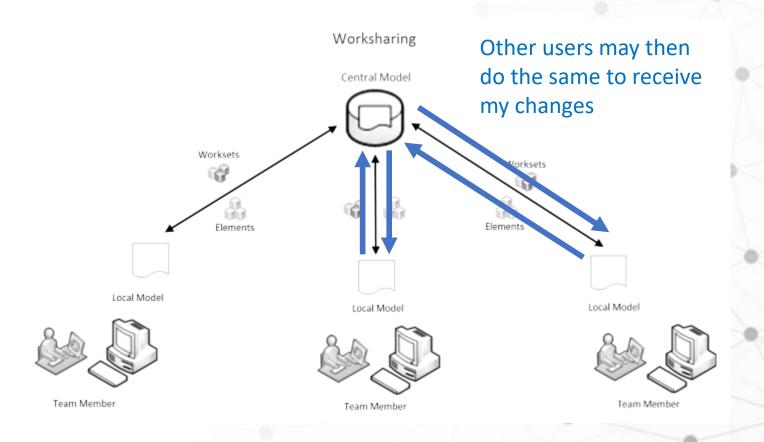














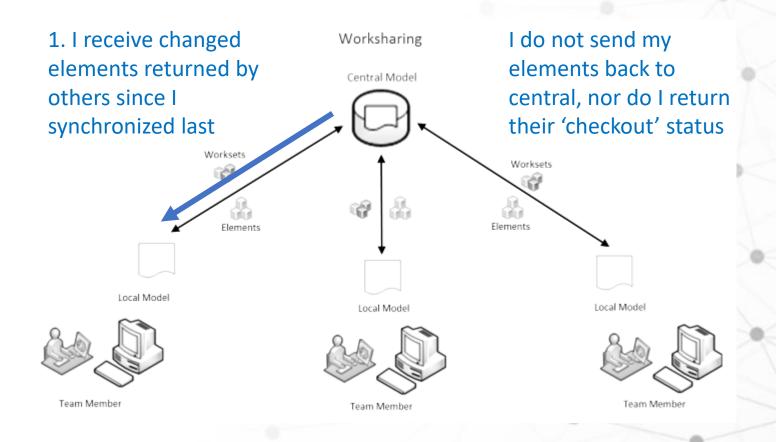
Note

Elements are not automatically updated in other local files until those users also synchronize.

They may need to synchronize to edit elements you have 'checked out' anyway



When I Reload Latest

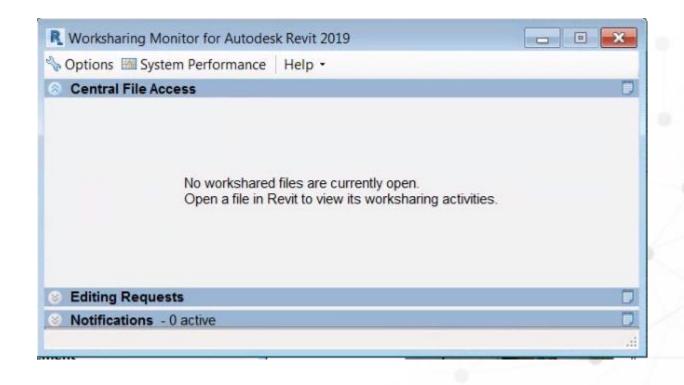




Demonstration...



Worksharing Monitor



Use it to avoid running into this!





Restoring/Rolling Back

Demonstration



Remember

Worse comes to worse, most servers have a frequent backup window which your IT manager can access for you...



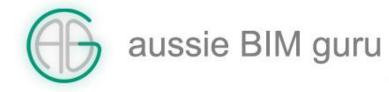
Archiving/Moving Central

Demonstration



Rewriting Central

Summary



Why would we do this?

Over time, Revit models get bloated.

Source code of the files can gain unused or rogue strings of data, which can lead to;

▲ Data corruption! ▲



Workflow

Once per week (ideally at the end)

- 1. Everybody out!
- 2. Archive a copy of Central
- 3. Copy the backup folder
- 4. Open detached
- 5. Save as, over the current Central
- 6. Synchronize
- 7. Close
- 8. Open for business!



