

7 Important Analytics You Should Not Ignore as a BIM Manager

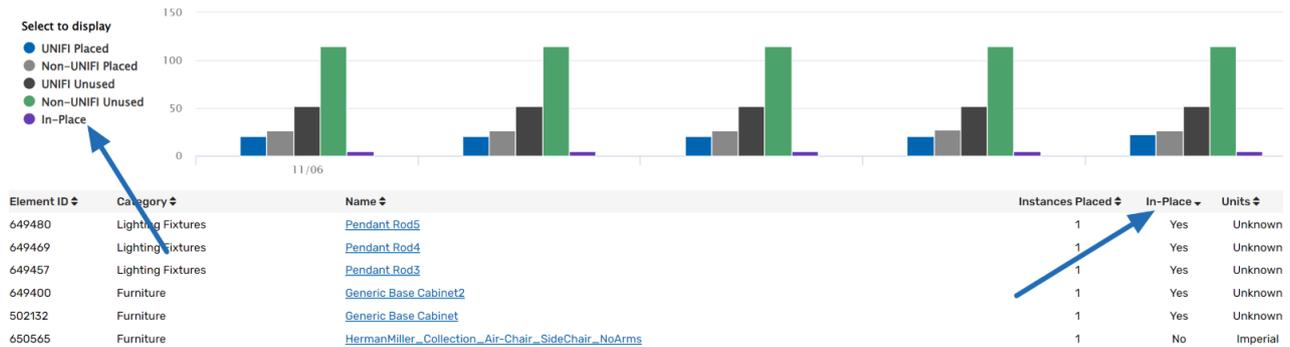
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UNIFI's [Project Analytics](#) gives you a plethora of data to manage your projects effectively. But which ones should get the most attention? We've put together a list of what we consider to be the most important analytics that you should not ignore as a BIM manager.

Copies of In-Place Families

Copies of in-place families are tremendous time wasters for BIM managers because their large file sizes slow down Revit. The problem is that they make new versions of themselves whenever they are copied (rather than just new instances of the same family), thus using up even more space.

UNIFI can help you to identify these in a project (so that you can replace them with Revit families) by giving you a breakdown of families in your project. You can also see a breakdown of each element and whether it is an in-place family.



Non-UNIFI Content

Since UNIFI makes it easy to store, search, and place content in a project, it's a significant time-saver. Therefore, when BIM managers see in our Project Analytics that certain pieces of non-UNIFI content have been placed frequently, that's a great opportunity to make sure that content gets added to UNIFI.

Families

[Most Used Families](#)

Family Name	Family Type	# of Models
Brick Standard	Non-UNIFI	6
Circular Mullion	Non-UNIFI	6
L Corner Mullion	Non-UNIFI	6
Quad Corner Mullion	Non-UNIFI	6
Rectangular Mullion	Non-UNIFI	6
System Panel	Non-UNIFI	6
Trapezoid Corner Mullion	Non-UNIFI	6
V Corner Mullion	Non-UNIFI	6
Baluster - Round	Non-UNIFI	5
Slab Edge-Thickened	Non-UNIFI	5

Revisions in a Model

Using out-of-date content can cause considerable problems. This can happen when you are working with a client owner who is regularly revising content to meet requirements. Or sometimes it happens when you have a large project with multiple models and need to keep the family updates in one model consistent with the others.

To stay on top of this, keep an eye on the UNIFI versioning in Project Analytics. Simply go to the model, then go to the Content section and select Families. You'll then see a breakdown of UNIFI Revisions in the Model vs Current UNIFI Revisions. What you are looking for here is a lower number of revisions in the model than in the UNIFI library.

UNIFI Revision in Model ^	Current UNIFI Revision ⇅
1	1
1	1
1	1
1	1
1	3
1	1
1	1
1	1
2	2
2	2

Unused Content in a Project

You also want to pay attention to the unused content in a project. This content takes up space and slows down Revit. Since you aren't using it, you might as well remove it from your project to improve project performance.

To find unused content, go to the Content section of the model and select Families. You'll see a table with information on the content in the model. Unused content will be shown as a "-" in the Instances Placed column.

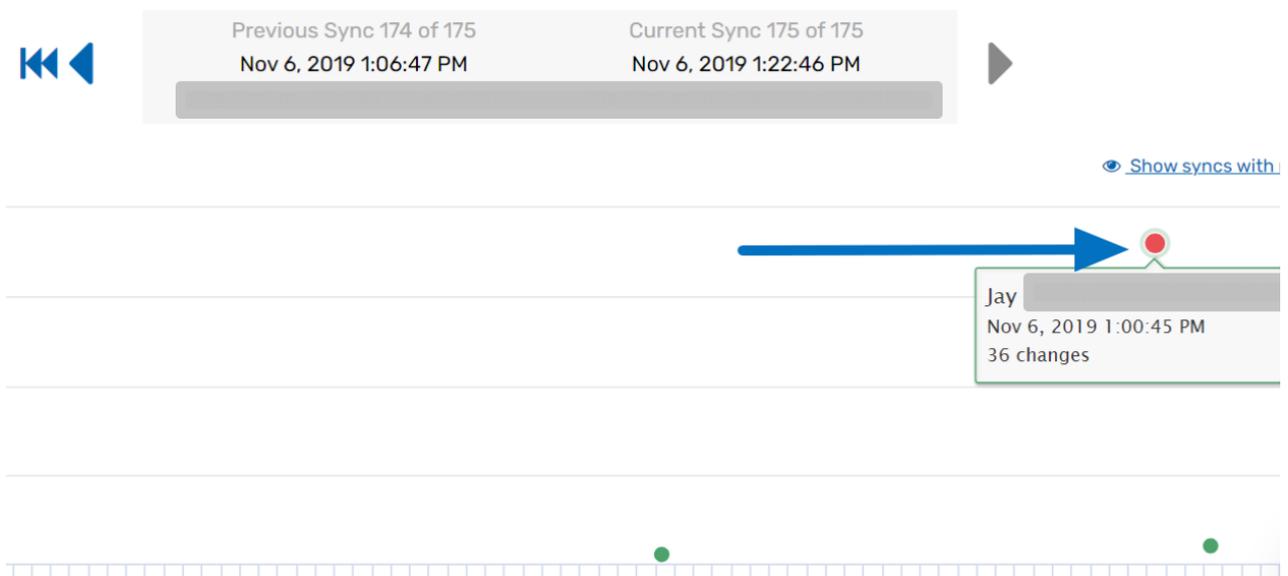
Instances Placed ▾	In-Place ⇅	Units ⇅	Source ⇅
-	Yes	Unknown	Non-UNIFI
-	No	Unknown	Non-UNIFI
-	No	Unknown	Non-UNIFI
-	No	Unknown	Non-UNIFI
-	No	Unknown	Non-UNIFI
-	No	Unknown	Non-UNIFI
-	No	Unknown	Non-UNIFI
-	No	Unknown	Non-UNIFI
-	No	Unknown	Non-UNIFI
-	No	Unknown	Non-UNIFI

This strategy is especially useful with templates. If you see items in your templates that are not being placed, then it's a good indicator that you should remove it from your template so that every new project can perform faster.

Compare Changes

Did you just find out that a bunch of content went missing in the model? Don't stress--UNIFI's Compare Changes feature can show you what happened at each sync for any category of information that UNIFI captures with Project Analytics.

For example, let's say that a handful of drafting views just went missing and now you need to find out who deleted them and what they are in order to recover them (or roll back the model if no one has done much work). In the image below, you see that Jay was cleaning up drafting views that weren't needed but accidentally removed the architectural ones that are needed:



Once you've identified these, you can find them in a back-up file. But you also see that there are only two syncs after him with minimal changes, so you could possibly roll the whole project back with little impact on the team.

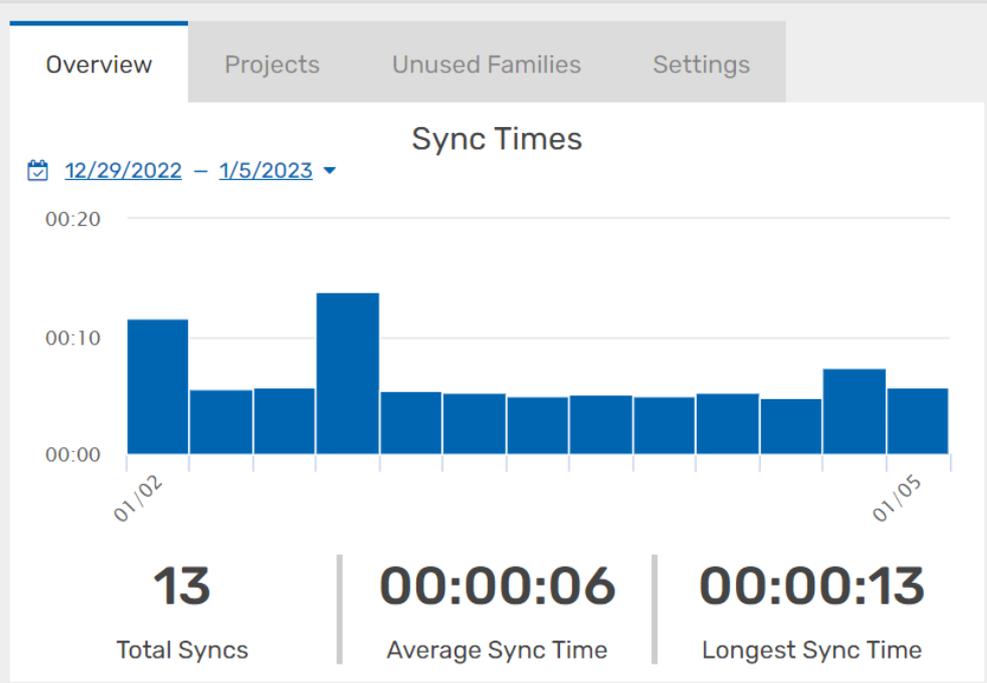
Sync Times

Long sync times quickly zap the efficiency of a firm. However, it's a relatively simple fix. Quite often it means that a particular user needs a better internet connection or computer.

To identify which user this might be, you can go to the Overview section in Project Analytics and select any spike you may see on the Sync Times graph.

- Dashboard
- Project Analytics**
- Shared Parameters
- Subscriptions
- Notifications
- Channels
- Libraries
- Batch Editor
- Users

Project Analytics



You can then drill into the model associated with that spike and on the Syncs for this Model table, you'll see which user is having the issue.

Syncs for this Model

User	Model	Revit Version	Size	Sync Time	Date and Time
[Redacted]	[Redacted]	Revit 2023	143.0 MB	00:00:05	Jan 5, 2023 2:19:17 PM
[Redacted]	[Redacted]	Revit 2023	143.0 MB	00:00:07	Jan 5, 2023 10:28:16 AM
[Redacted]	[Redacted]	Revit 2023	142.8 MB	00:00:04	Jan 5, 2023 6:24:42 AM
[Redacted]	[Redacted]	Revit 2023	142.7 MB	00:00:05	Jan 4, 2023 11:20:05 AM
[Redacted]	[Redacted]	Revit 2023	142.6 MB	00:00:04	Jan 3, 2023 12:59:15 PM

Once you identify and fix these lagging sync times, your company should see a considerable improvement in efficiency.

Revit Version Check

When minor versions of Revit are used on the same model, files can sometimes become corrupted, putting a halt on all work for the team.

You can avoid this issue by keeping an eye on the Revit Version Check section in Project Analytics. Not only will you be able to see which models have this issue, but you can also find the user and computer they are using with the

unmatched minor version in the model sync history.

The screenshot shows the 'Revit Version Check' interface. At the top, there is a date range '1/6/2018 - 1/6/2023'. Below this is a table of models with their respective Revit versions and sync status. A tooltip 'Users have synced with different Revit Minor Versions' points to a warning icon (yellow triangle) next to the model '19001_Unifi Headquarters_MEP.rvt'. Other models show either warning or success (green checkmark) icons.

Model	Revit Version	Status
19001_Unifi Headquarters_Arch.rvt	2018.3.3	Warning
19001_Unifi Headquarters_Construction.rvt	2018.3.3	Warning
19001_Unifi Headquarters_MEP.rvt	2018.3.2	Warning
19001_Unifi Headquarters_Struc.rvt	2018.3.3	Success
28125 Hargins Rd.rvt	2018.3.3	Warning
28125 Hargins Rd_adam.simmons4AW6M.rvt	2018.3.3	Success
DEMO_Av2020.rvt	2018.3.3	Warning
Hargins Rd.rvt	2018.3.3	Warning
PA Test Project - 2018.rvt	2018.3.3	Success
Project1.rvt	2018.3.3	Success

PA Test Project - 2018.rvt	Revit 2018.3.3
PA Test Project - 2018.rvt	Revit 2018.3.3
19001_Unifi Headquarters_Construction.rvt	Revit 2018.3.3
19001_Unifi Headquarters_Construction.rvt	Revit 2018.3.3
19001_Unifi Headquarters_Construction.rvt	Revit 2018.3.2
19001_Unifi Headquarters_Construction.rvt	Revit 2018.3.2
19001_Unifi Headquarters_MEP.rvt	Revit 2018.3.3

Conclusion

To learn more about managing projects using UNIFI's Project Analytics, we recommend checking out the [Web Portal section](#) of our Knowledge Base.

