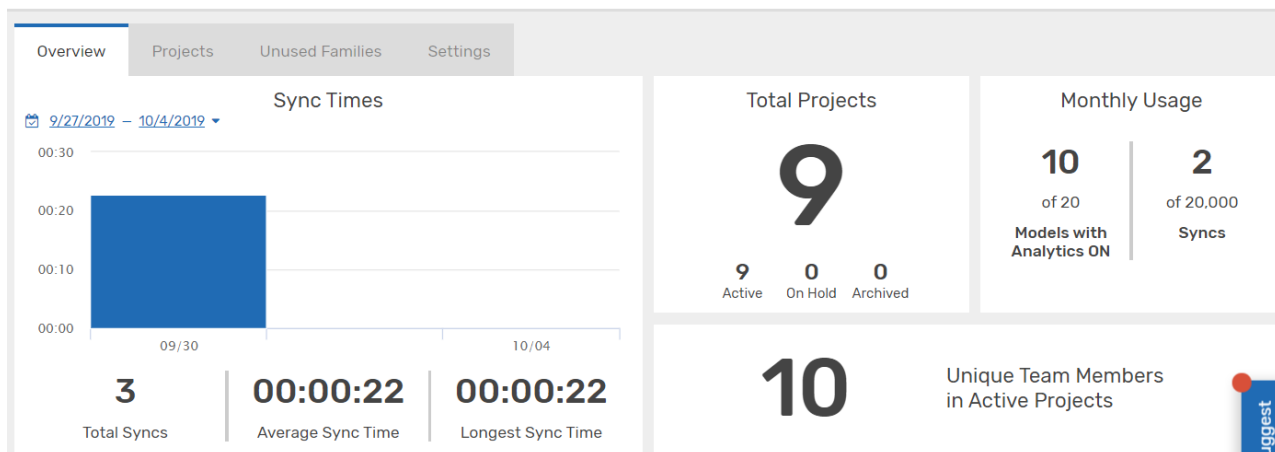# Reviewing Project Analytics

Last Modified on 04/21/2021 12:02 pm EDT

Now that you've set up your projects in project analytics, let's take a moment to review what this data is telling you.

The overview section gives you a high-level overview of all of the activity across all models and projects in your organization.

Some of the data shown is pretty straightforward: sync times, total projects, total unique team members in active projects, and so on.

Let's take a closer look at the sections in here.

Health Indicators

The Health Indicators section alerts you to different warnings that you indicated were important to you at a company level. This section gives you an overview of these Health Indicators and which need attention, which are at a caution status, and which are acceptable.

Health Indicators

Health Indicator	● Needs Attention	● Caution	● Acceptable
▶ Critical Revit Warnings	3	n/a	n/a
▶ Non-critical Revit Warnings	1	3	1
▶ Revit Links	-	1	2
▶ CAD Links	1	2	2
▶ CAD Imports	2	2	2
▶ Imported Images	1	1	2
▶ Sync Time	-	-	3
▶ In-Place Families	1	-	3
▶ Plan Regions	1	-	3

You can click on a particular Health Indicator to view which project the alerts are referring to.

Health Indicator	● Needs Attention	● Caution	● Acceptable
▶ Critical Revit Warnings	3	n/a	n/a
▼ Non-critical Revit Warnings	1	3	1
Mill Creek Elementary School	●	●	
UNIFI – Demo Project		●	●
UNIFI Headquarters		●	

Clicking on any of those projects takes you directly to the project page so that you can address the issue.

Revit Version Checks

If multiple users on a project are working with different versions of Revit, it could cause a project to crash. The Revit Version Checks section helps to prevent this from happening. If you see the caution icon, then this means that you have multiple users working on a project with different versions of Revit. To help fix this issue, select the model with the caution.

Revit Version Check

📅 4/21/2020 — 4/21/2021 ▼

Model ▲	Revit Version Check ⇅
28125 Hargins Rd.rvt	✔
DEMO_Av2020.rvt	⚠
Site Hargins Rd.rvt	✔

This gives you information on who to contact to have them upgrade their Revit installation. You can also filter this information based on user or Revit version.

Syncs for this Model

Show all users | Show all Revit versions

User	Model	Revit Version	Size	Sync Time	Date and Time
kpier@LAPTOP-TBFISMDF	DEMO_Av2020.rvt	Revit 2020.2.3	26.3 MB	00:00:06	Mar 24, 2021 6:52:58 AM
kpier@LAPTOP-TBFISMDF	DEMO_Av2020.rvt	Revit 2020.2.3	26.3 MB	00:00:06	Mar 18, 2021 7:20:47 AM
kpier@LAPTOP-TBFISMDF	DEMO_Av2020.rvt	Revit 2020.2.3	26.8 MB	00:00:08	Mar 18, 2021 6:55:55 AM
kpier@LAPTOP-TBFISMDF	DEMO_Av2020.rvt	Revit 2020.2.3	26.8 MB	00:00:08	Mar 17, 2021 6:33:06 AM

For instance, you may want to compile a list of everyone with a specific version of Revit so that you can contact them

and remind them to upgrade to the latest version. You can select that version here and view each user.

Families and Usage

The Families and Usage section gives you a quick overview of the most-often placed families. This can tell you which families are UNIFI and which are non-UNIFI. It's an effective way to tell at a glance whether or not you need to load some frequently-used families into 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

Project Admin Activity

The Project Admin Activity section provides an overview of any projects being added or modified. This is a useful feature if you have multiple company admins working with Project Analytics.

Project Admin Activity

Project Name	Activity	Date and Time	Admin User
Test	Removed	Sep 20, 2019 5:29:33 AM	demo.admin@unifilabs.com
Test	Added	Sep 19, 2019 6:41:05 PM	demo.admin@unifilabs.com
UNIFI Headquarters	> DD	Jun 5, 2019 6:06:31 PM	demo.admin@unifilabs.com
UNIFI Headquarters	On Hold > Active	Jun 5, 2019 6:06:31 PM	demo.admin@unifilabs.com
UNIFI Headquarters	DD >	Jun 5, 2019 9:32:42 AM	demo.admin@unifilabs.com
UNIFI Headquarters	Active > On Hold	Jun 5, 2019 9:32:42 AM	demo.admin@unifilabs.com

Project Analytics at a Project Level

We can get even more detailed with the data by going to a specific project. To do this, click on the **Projects** tab and then select the project that you'd like to open.

From here, you get a general overview of your Project. You can look at the Overall Health Score, which is based on the Health Indicators that you set up at the company level, as well as the threshold values that you set up at the project level. You'll also see a graph showing you how the project health score has increased or decreased over time.
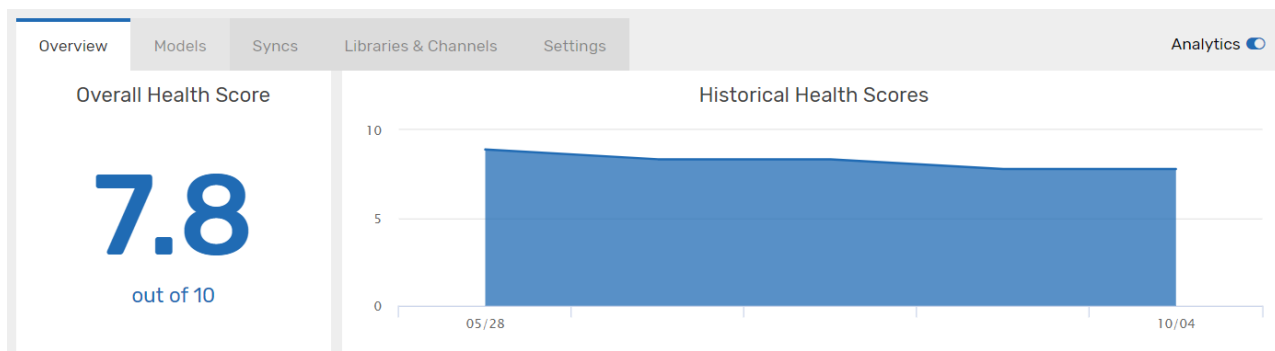
Health Indicators

Health Indicator	● Needs Attention	● Caution	● Acceptable
▼ Critical Revit Warnings	3	n/a	n/a
181234_Demo Project_Arch_2018.rvt	1	n/a	n/a
example.rvt	2	n/a	n/a

Next, you can see the Health Indicators. These are organized similarly to how they are organized in the Project Analytics Overview; however, when you click on a Health Indicator you can select the specific *model* it is referring to.
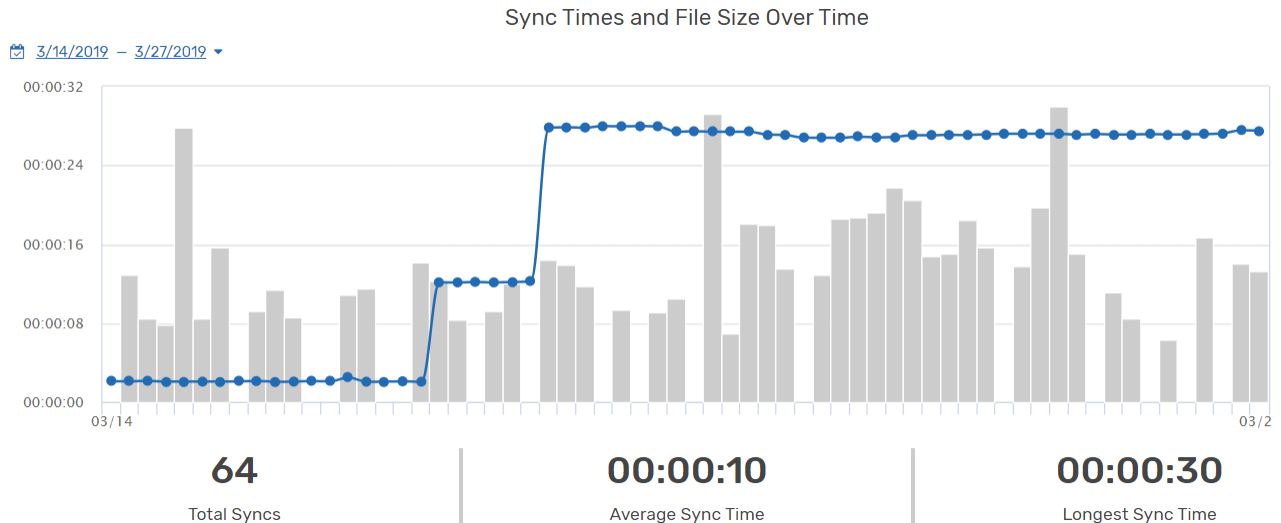
Revit Warnings

The Revit Warnings section provides you with a little more information on the Critical and Non-Critical warnings within your project.

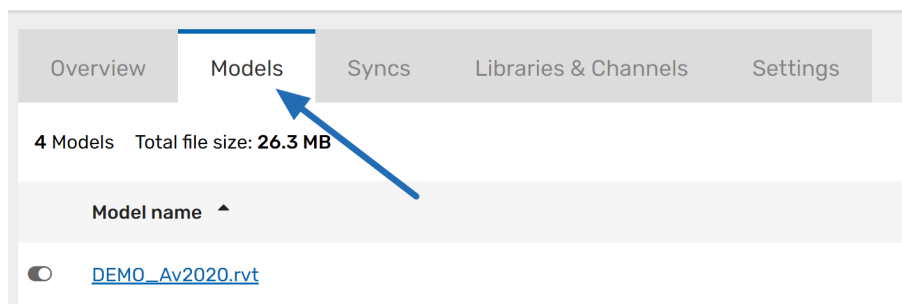| Revit Warning	First Recorded
▼ Critical (1)	
Multiple Rooms are in the same enclosed region. The correct area and perimeter will be assigned to one Room and the others will display "Redundant Room." You should separate the regions, delete the extra Rooms, or move them into different regions.	Sep 27, 2018 1:43:01 AM
▼ Non-Critical (1)	
Actual Number of Risers is different from Desired Number of Risers. Add/remove Risers or change Desired Number of Risers in Stairs Properties.	Sep 27, 2018 1:40:46 AM
Uncategorized (0)	

Sync Times and File Size Over Time

The Sync Times and File Size Over Time section gives you a simple comparison of the file size (which is the line) and the sync time (which is the column). This is a helpful analytic for you because if a project is taking a long time to sync, you can see what changed between that update and the next.
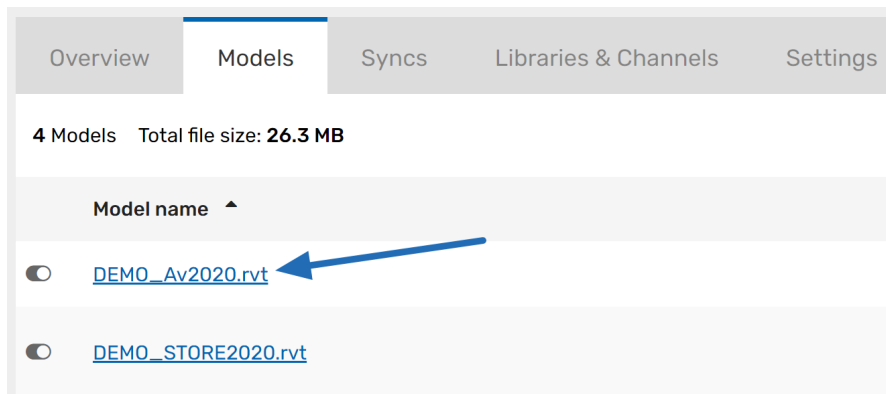
Sync Times and File Size Over Time

📅 3/14/2019 — 3/27/2019 ▾

64	**00:00:10**	**00:00:30**
Total Syncs	Average Sync Time	Longest Sync Time

Project Analytics at the Model Level

UNIFI allows you to drill down into the data even further by offering you analytics at the model level. To view model analytics, click on the **Models** tab within a particular project.

Project Analytics ⟩ UNIFI - Demo Project

Overview	Models	Syncs	Libraries & Channels	Settings

4 Models   Total file size: **26.3 MB**

Model name ▲

DEMO_Av2020.rvt

Next, select the particular model that you'd like to view data on.

Let's take a moment to go over what you can see at this level.

Model Properties
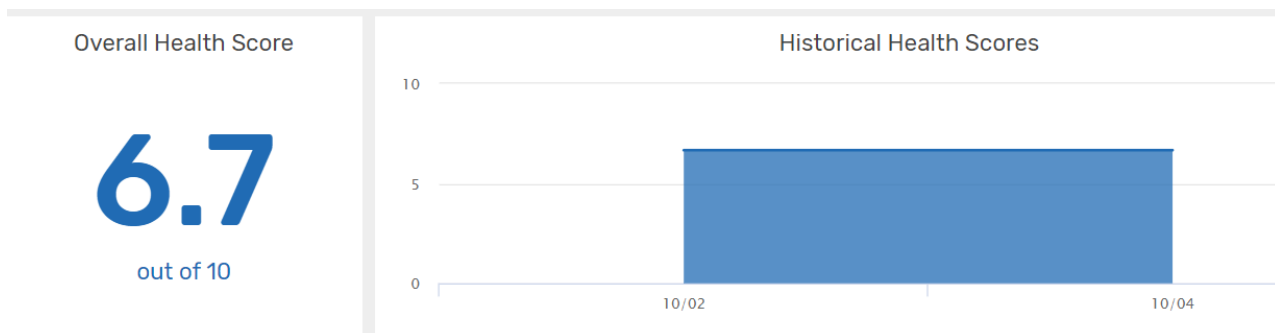
UNIFI gives you an overview of the Model Properties, including file paths, date of last update, building area, and more.

Health Score

You are able to look at the Overall Health Score and historical Health Score data, just like you could at the project level

Health Indicators

You also have a breakdown of the Health Indicators with numbers indicating the change since the last sync.

Health Indicators
(with change from previous sync)

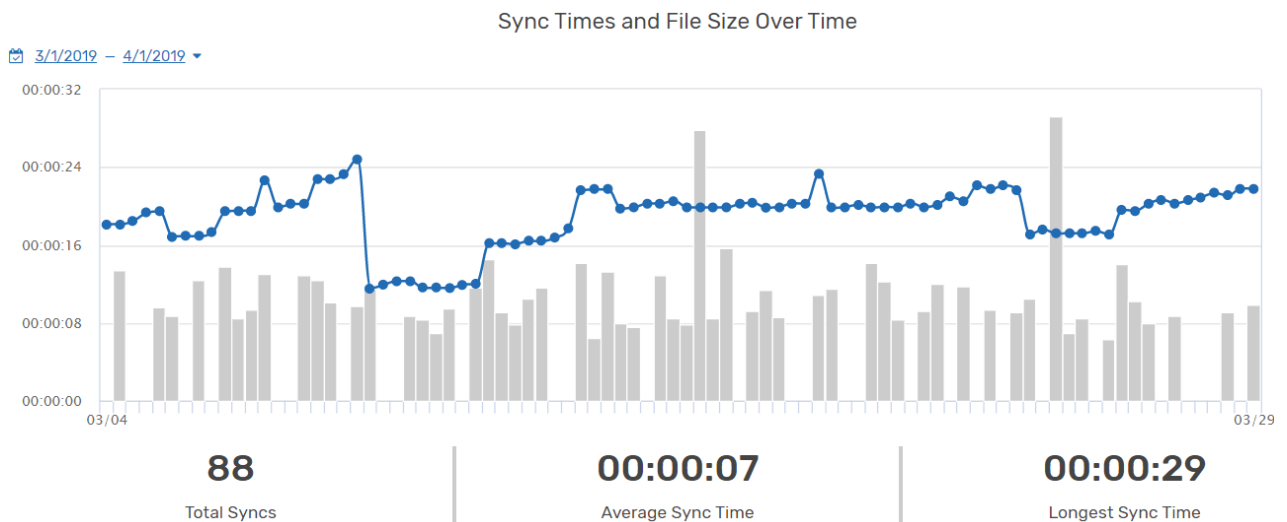| Health Indicator	Needs Attention		Caution		Acceptable	
Critical Revit Warnings	1	(+0)	n/a		n/a	
Non-critical Revit Warnings	-	(+0)	5	(+0)	-	(+0)
Revit Links	-	(+0)	-	(+0)	2	(+0)
CAD Links	-	(+0)	-	(+0)	-	(+0)
CAD Imports	1	(+0)	-	(+0)	-	(+0)
Imported Images	-	(+0)	-	(+0)	4	(+0)
Sync Time (in seconds)	-	(+0)	-	(+0)	-	(+0)
In-Place Families	-	(+0)	-	(+0)	3	(+0)
Plan Regions	-	(+0)	-	(+0)	2	(+0)

Revit Warnings

You can view an overview of the Revit Warnings for the model, sorted by what you categorized as Critical, Non-Critical, and Uncategorized.

Revit Warnings ⚙

Revit Warning	First Recorded
▼ Critical (1)	
Multiple Rooms are in the same enclosed region. The correct area and perimeter will be assigned to one Room and the others will display "Redundant Room." You should separate the regions, delete the extra Rooms, or move them into different regions.	Sep 27, 2018 1:43:01 AM
▼ Non-Critical (1)	
Actual Number of Risers is different from Desired Number of Risers. Add/remove Risers or change Desired Number of Risers in Stairs Properties.	Sep 27, 2018 1:40:46 AM

Sync Times and File Size Over Time

And just like at the project level, you have data on sync times and file size over time.

Sync Times and File Size Over Time

📅 3/1/2019 — 4/1/2019 ▼

88	**00:00:07**	**00:00:29**
Total Syncs	Average Sync Time	Longest Sync Time

Syncs for this Model

You can also view all syncs for this model, accessing information on the user, Revit version, size, sync time, date, and time. You can utilize the search bar at the top to filter out specific content, such as Revit version or a specific user.

Syncs for this Model

Show all users		Show all Models		Show all Revit versions	

User	Model	Revit Version	Size	Sync Time	Date and Time
KarenPierce@DESKTOP-2H4N4SL	181234_Demo Project_Arch_2018.rvt	Revit 2018.3.3	60.9 MB	00:00:00	Oct 4, 2019 8:40:
KarenPierce@DESKTOP-2H4N4SL	181234_Demo Project_Arch_2018.rvt	Revit 2018.3.3	57.8 MB	00:00:00	Oct 2, 2019 2:05:
KarenPierce@DESKTOP-2H4N4SL	181234_Demo Project_Arch_2018.rvt	Revit 2018.3.3	57.7 MB	00:00:00	Sep 18, 2019 9:04
KarenPierce@DESKTOP-2H4N4SL	181234_Demo Project_Arch_2018.rvt	Revit 2018.3.3	57.8 MB	00:00:05	Sep 18, 2019 4:54

Content

You're also able to look closely at the specific content within a model.

First, select the **Content** tab and then click on **Select content type.**

Overview	Content	Compare Changes

Type of content: [Select content type ▼]
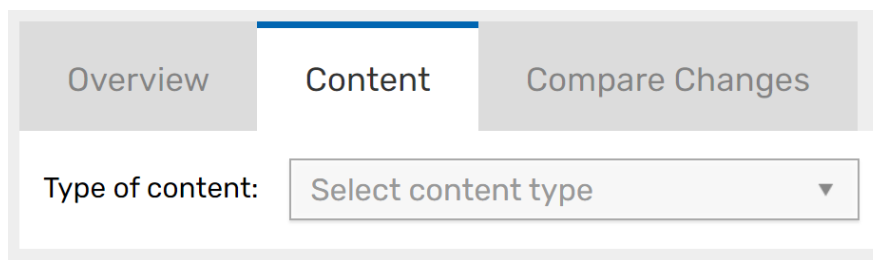
You can select different types of content that have been loaded into the model. For example, click on**Images.**

Overview	Content	Compare Changes

Type of content: [Select content type ▲]

[| 🔍]

- Select content type
- CAD Imports (0)
- CAD Links (0)
- Drafting Views (2)
- Families (91)
- **Images (0)**
- Levels (2)
- Phases (3)
- Plan Regions (0)
- Revisions (1)
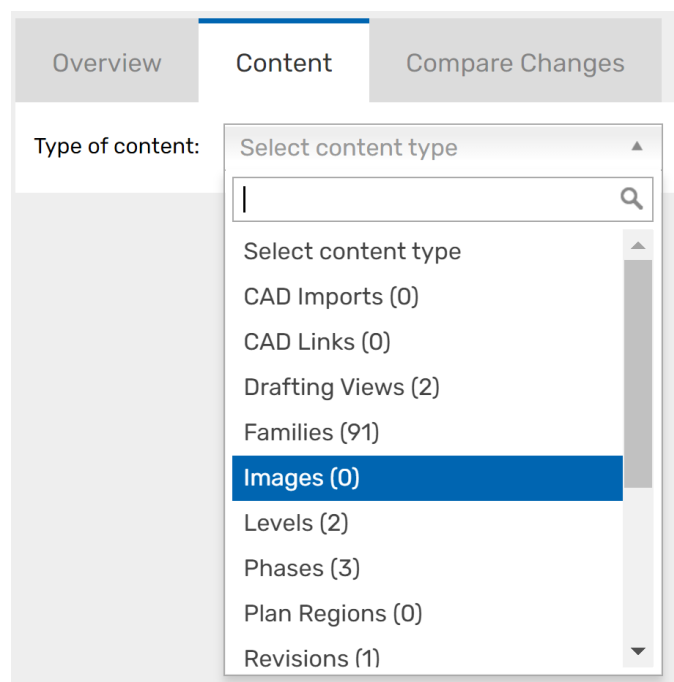
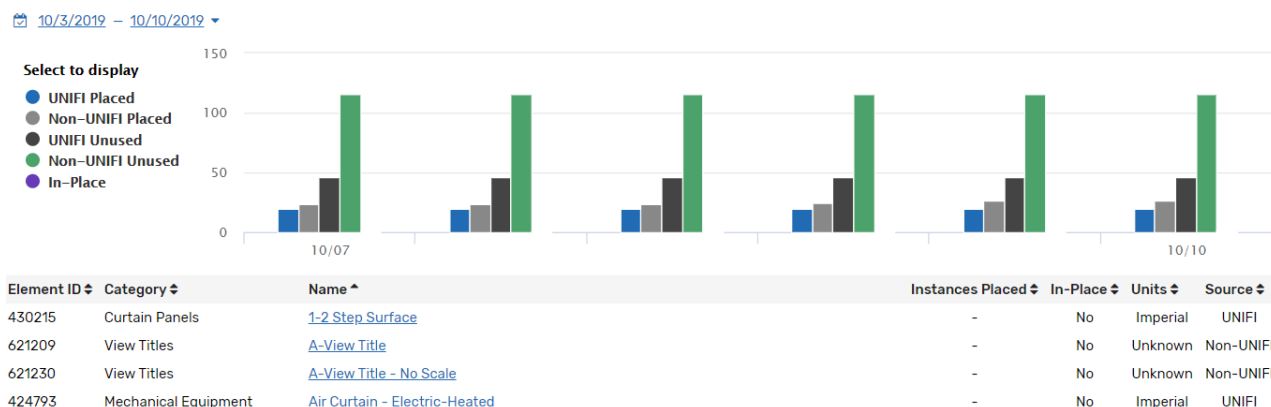| Type of content:	Images (4) ▼		⬇ Export to Excel ▼
Element ID ⇕	**Name** ▲		**Instances Placed** ⇕
420421	37222-One-Work-Place-Photo-Bruce-Damonte.jpg		1
420418	5a751d0f1072901f008b4e13-750-563.jpg		1
420424	apple-park-john-ive-architecture-offices_dezeen_2364_col_4.jpg.860x0_q70_crop-scale.jpg		1
513578	Dive-into-blue-figurative-underwater-woman-painting-saat.jpg		

You can see exactly which images are in the project and the instances placed.

This can be useful information for you as an admin because if you see an image frequently placed in a project, then it might be beneficial to make it a part of a Revit family so that the image can be taken out of the main model.

Let's look at another example. Select **Families** from the dropdown menu.

Overview	Content	Compare Changes

Type of content: Select content type ▲

🔍	
Select content type	▲
CAD Imports (0)	
CAD Links (0)	
Drafting Views (2)	
Families (91)	
Images (0)	
Levels (2)	
Phases (3)	
Plan Regions (0)	
Revisions (1)	▼
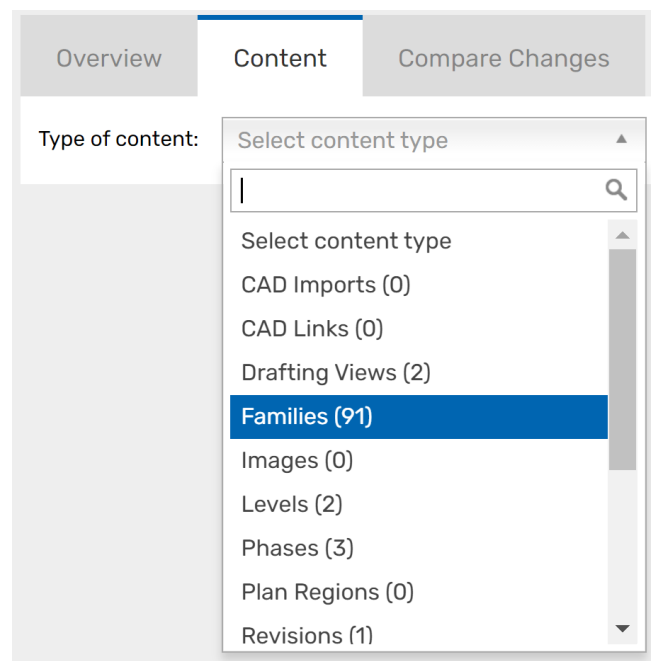
Some of the data you can view here are UNIFI vs Non-UNIFI families, number of instances placed, and even content not being placed. This is useful for you as an admin because if you see large numbers of non-placed content, then it may be an indicator that it's time to purge the model.

📅 10/3/2019 — 10/10/2019 ▼

Select to display
- 🔵 UNIFI Placed
- ⚫ Non-UNIFI Placed
- ⚫ UNIFI Unused
- 🟢 Non-UNIFI Unused
- 🟣 In-Place

Element ID ⇕	Category ⇕	Name ▲	Instances Placed ⇕	In-Place ⇕	Units ⇕	Source ⇕
430215	Curtain Panels	1-2 Step Surface	-	No	Imperial	UNIFI
621209	View Titles	A-View Title	-	No	Unknown	Non-UNIFI
621230	View Titles	A-View Title - No Scale	-	No	Unknown	Non-UNIFI
424793	Mechanical Equipment	Air Curtain - Electric-Heated	-	No	Imperial	UNIFI

| Element ID ⇕	Number ▲	Name ⇕	Area ⇕	Level ⇕
557512	1000	Main Lobby 1000	1,269.81 ft²	Level 1
353533	1001	Jay's Office 1001	1,065.00 ft²	Penthouse
470714	1002	PNW Coffee 1002	1,691.73 ft²	Level 1
552748	1003	Elevator 1003	0.00 ft²	Level 9
600382	1004	The Orange Store 1004	1,447.67 ft²	Level 1

If you select **Rooms** from the dropdown menu, you can drill down into room details, such as its area and level. Much of this data can also be exported to excel.
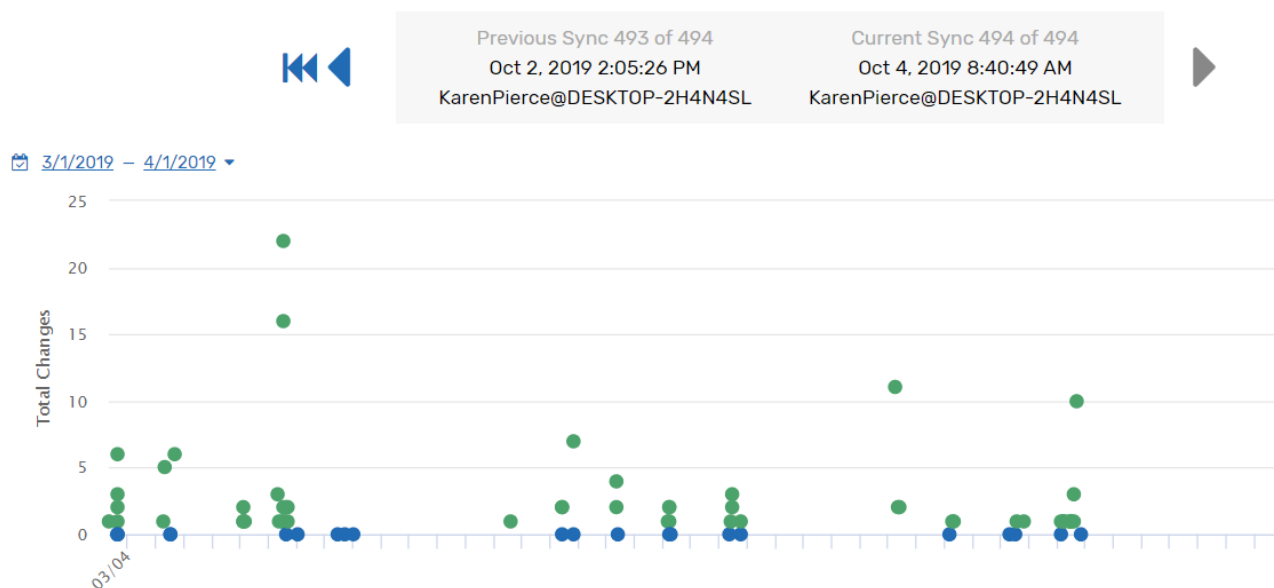
Compare Changes

Another helpful feature in this section is the Compare Changes section. As people sync up their model, you are able to view the elements that they have modified.

To access this data, select the **Compare Changes** tab.
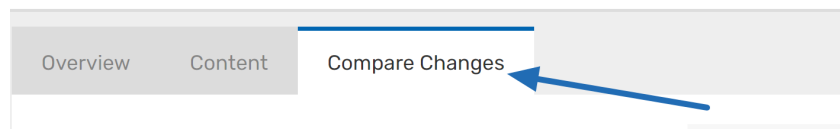
A useful chart shows you exactly what changes have been made and when.

All changes are tracked and you can see that content as people are working on it. Simply hover over each dot on the graph to view the date and time of change, the computer used, and the user making the change.

You'll see 3 columns on the screen: Added, Removed, and Changed.

	Added	Removed	Changed
CAD Imports	–	–	–
CAD Links	–	–	–
Drafting Views	–	–	–
▸ Families	2	1	–
Images	–	–	–
Levels	–	–	–
Phases	–	–	–

You can click on a category to view detailed information on the content that has been added, removed, or changed.

▾ Families	2	1	–

Content Added				
Category	**Name**	**Instances Placed**	**IsInPlace**	**Source**
Specialty Equipment	Generic Refrigerator - Commercial Kitchen	1	false	UNIFI
Specialty Equipment	Generic Oven - Commercial Kitchen Convection	0	false	UNIFI

Content Removed				
Category	**Name**	**Instances Placed**	**IsInPlace**	**Source**
Furniture	Chair-Breuer	0	false	UNIFI

As you can see, you can get pretty granular with the analytics in UNIFI. This helps you easily manage each of your projects more effectively.