



• Getting Started in Infrastructure Cloud for Team Members

Training Overview

2025

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Bentley[®]

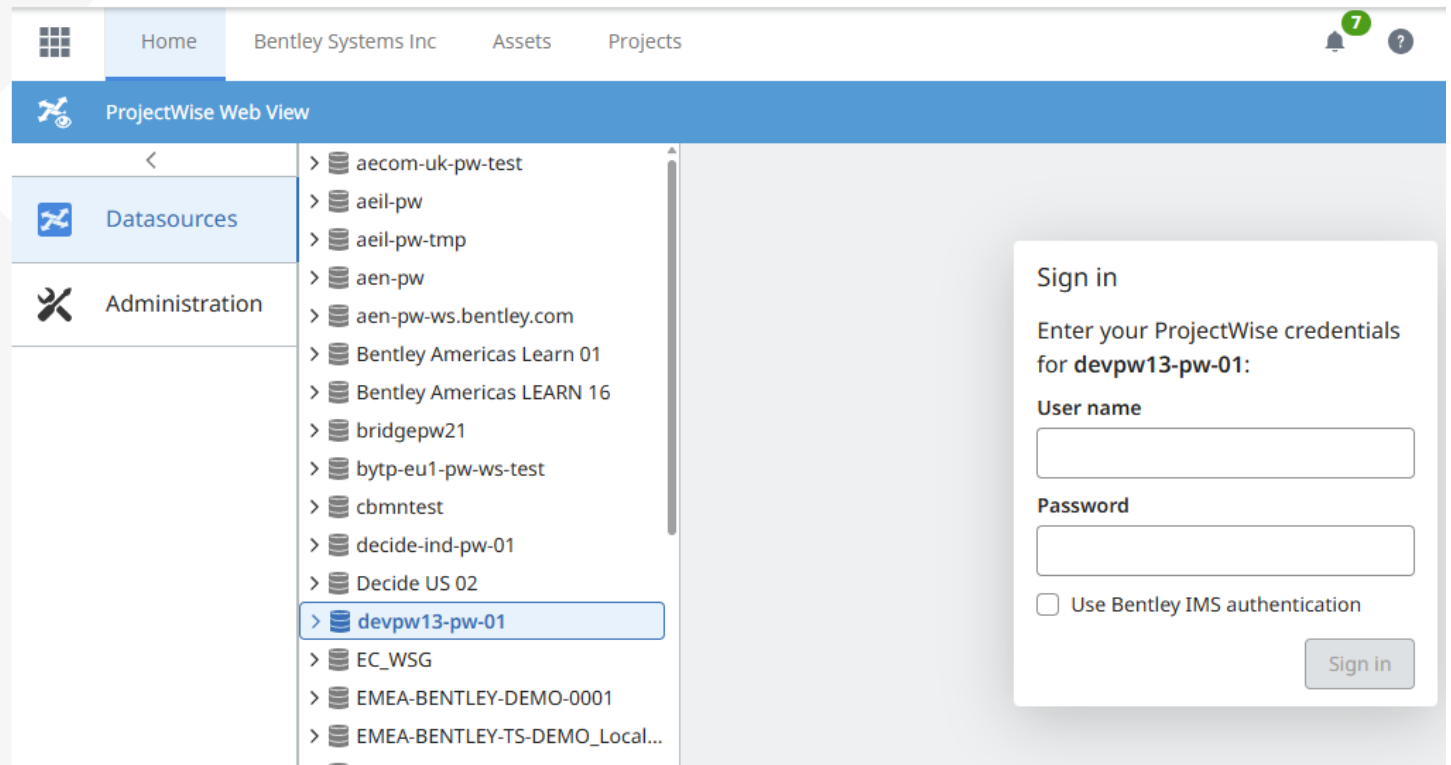
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ProjectWise Web View

ProjectWise Web View

ProjectWise Web View is web portal to view ProjectWise data. On this portal user will have just **“Read-Only”** permission for any document. This platform should be preferred if no editing / file creation is required.

- It can be accessed through <https://connect-projectwisewebview.bentley.com/>.
- Login can be done by entering username & password (like ProjectWise explorer) or by selecting Use Bentley IMS authentication checkbox (authentication will be performed using mail ID) depending upon the datasource.



Bentley Infrastructure Cloud Introduction

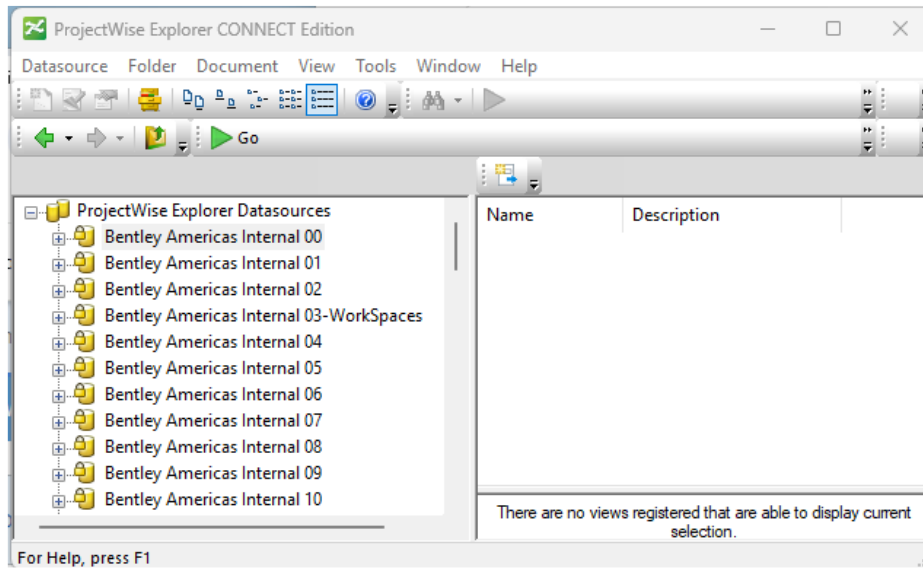


Bentley Infrastructure Cloud Introduction

Bentley Infrastructure Cloud is cloud-based content and collaboration tool.

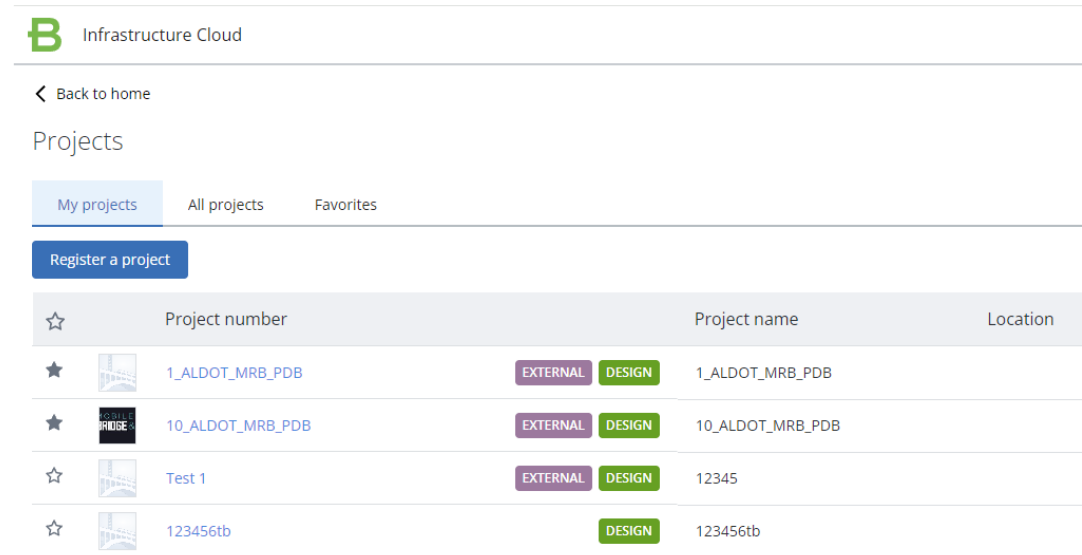
- Bentley Infrastructure Cloud can access documents from hosted ProjectWise servers.
- It is network independent as it only required internet access i.e., no network configuration requirement, no Network or VPN requirement.
- It is mainly focused on non-design integrated userbase as it can't be integrated with any applications.
- Currently supported browsers are Google Chrome, Microsoft Edge, Mozilla Firefox.
- Access control from ProjectWise Explorer and Administrator is going to be respected in Bentley Infrastructure Cloud.

Moving From Dedicated Application to the Web



ProjectWise Explorer Application

- Application based dependency to access documents.
- Network configuration requirements to make datasource available for access.
- Requires when working in design integrated environment.







Bentley Infrastructure Cloud

- No application-based dependency, can be accessed through internet browser.
- Easy and lite when working in non-design integrated environment specifically office documents and PDFs.

Bentley Infrastructure Cloud Home Page

- Search Option is available only after selecting “All Projects” at bottom of homepage “Recent” pull down menu, from here one can add projects to Favorites. Enterprise Administration is available; it is in the waffle icon to the left of Resource Center (Help).

 Infrastructure Cloud

Enterprise Services User Profile





[Back to home](#)

Projects

My projectsAll projectsFavorites

Register a project

SearchAlphabetically ▾

☆	Project number	Project name	Location
★	 1_ALDOT_MRB_PDB	EXTERNAL DESIGN1_ALDOT_MRB_PDB	...
★	 10_ALDOT_MRB_PDB	EXTERNAL DESIGN10_ALDOT_MRB_PDB	...
☆	 Test 1	EXTERNAL DESIGN12345	...
☆	 123456tb	DESIGN123456tb	...

List all Projects user working on

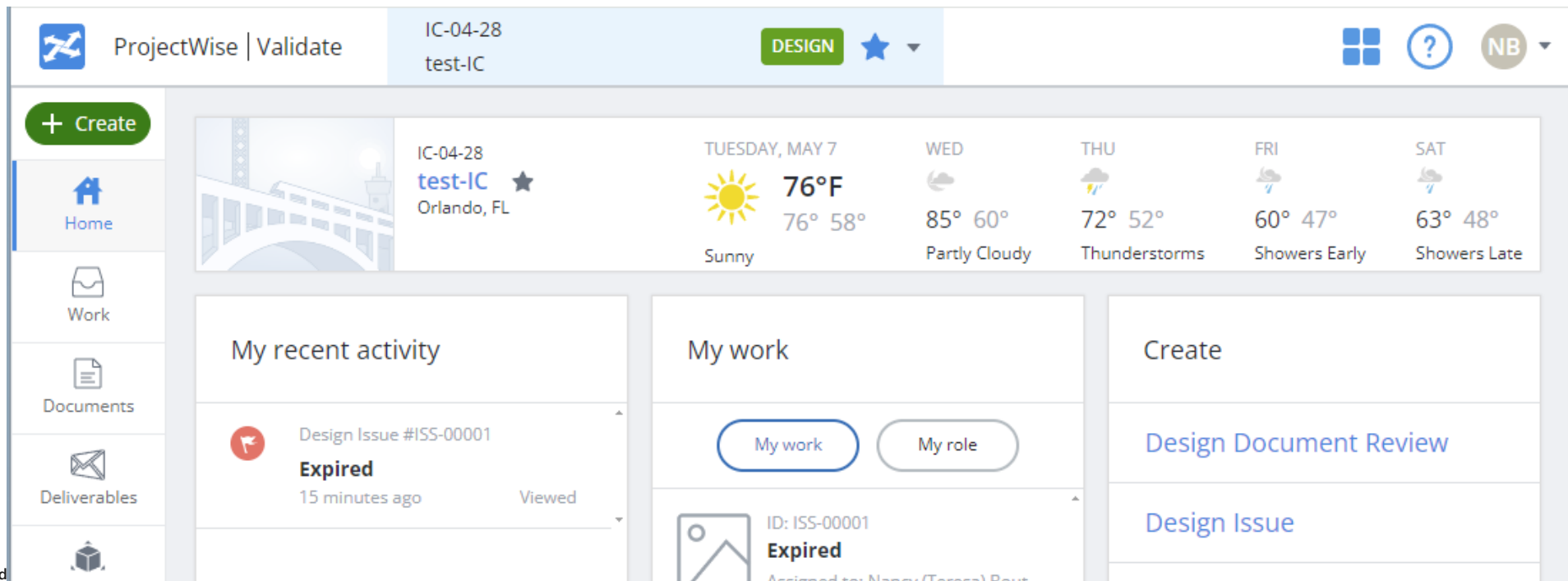
Click on star to mark project as favorite

Project Sort Option

Project Options

Bentley Infrastructure Cloud Project Homepage

- Once clicked on any project, say IC-04-28, project homepage like below will appear.
- •Work tab once selected has flyouts of My Work, Deliverables Issues and Design Task
- •Documents has 5 Flyouts – Documents, Media Explorer , Plan Set, Specifications and Components
- •Documents includes Project Documents and ProjectWise data
- •Media Explorer to Search photos in Project intelligently enter text name of photo to find it, because AI technology is used behind the scenes, it extracts information from the photo. This only works for photos stored in Documents folder provided in the Project, not in ProjectWise work area.



Documents Section / Project Work Area

New button
to create new
folder, upload
files, etc.

Download button
to download
selected item

Generate sharable
link for selected item

More options
such as Delete,
rendition, etc.

Refresh
Button

Info such as
Details &
Audit Trail

Search
Field

Column
Views

More options
such as
download
progress,
display options
and sign out
button

ProjectWise
Drive option

Rename
file

Move
selected
item

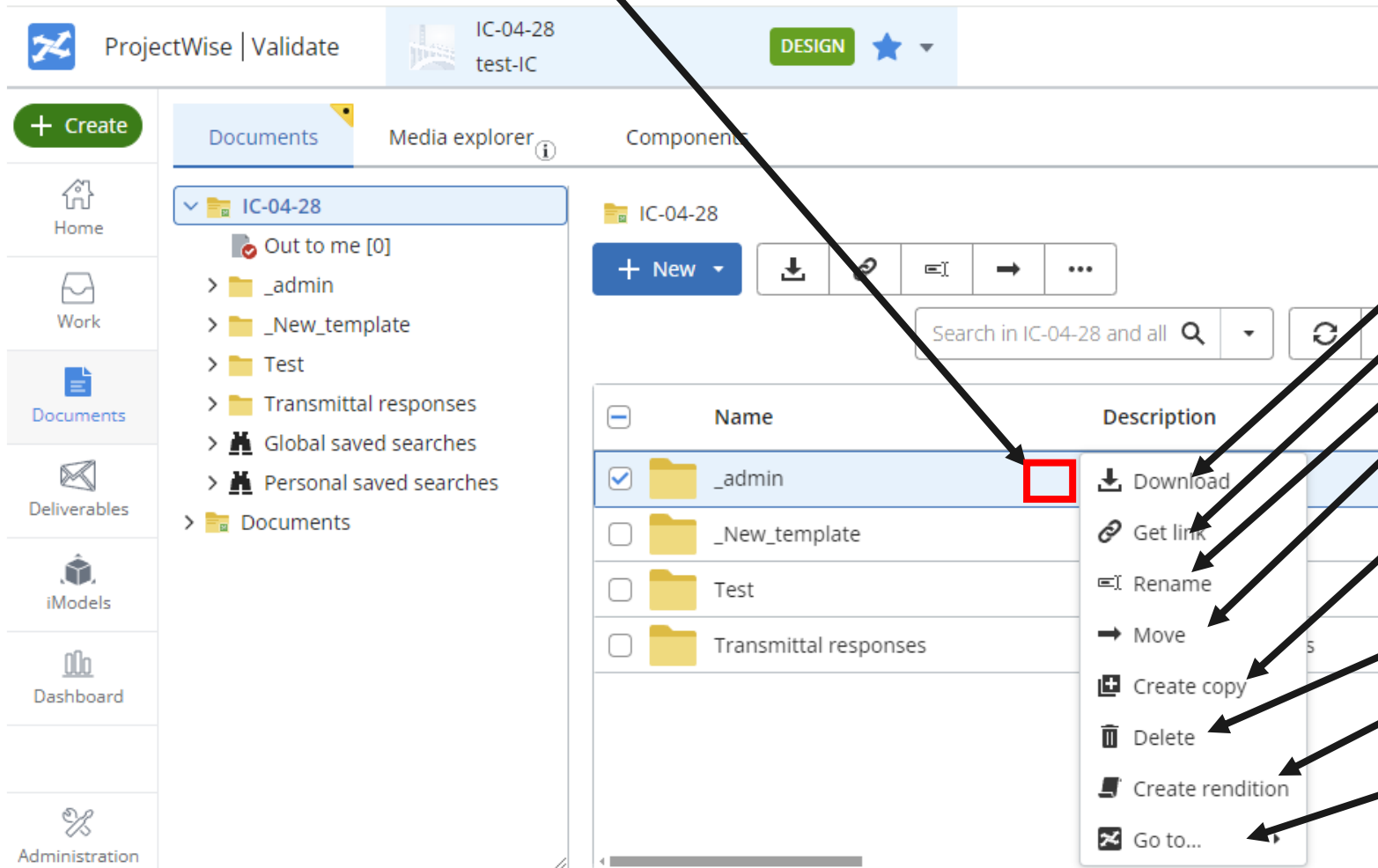
Project
Homepage

The screenshot displays the ProjectWise interface for the 'IC-04-28 test-IC' project in the 'DESIGN' phase. The left sidebar shows navigation options: Home, Work, Documents (selected), Deliverables, iModels, Dashboard, and Administration. The main content area is titled 'Documents' and shows a file explorer for the 'IC-04-28' folder. Below the explorer is a table with columns 'Name', 'Description', and 'File Name'. The table lists folders: '_admin', '_New_template', 'Test', and 'Transmittal responses'. Above the table is a toolbar with icons for '+ New', download, share, rename, move, and a menu. A search field is located above the table. On the right, there are buttons for refresh, info, column views, and a menu. Arrows point from red text labels to these specific UI elements.

	Name	Description	File Name
<input type="checkbox"/>	_admin		
<input type="checkbox"/>	_New_template		
<input type="checkbox"/>	Test		
<input type="checkbox"/>	Transmittal responses	Transmittal responses	

Work Area - Folder Actions

- When cursor is hovered over any folder, 3 dots will appear. After clicking on it, additional actions will be shown.



Download – It'll download zipped folder

Get Link - Generates sharable link

Rename – To rename folder

Move – To move folder to some other path in work area

Create Copy – To make copy of folder to some other path in work area

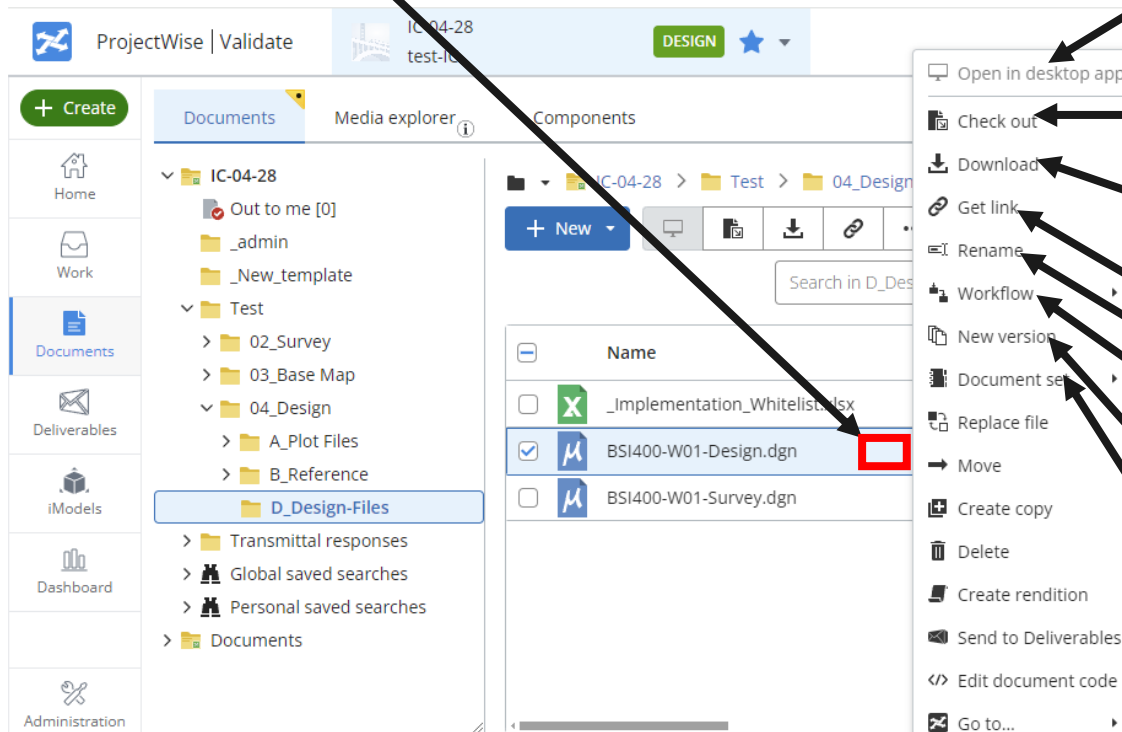
Delete – To delete folder

Create Rendition – To create rendition of content within it

Go to... – To open selected item in ProjectWise Explorer/Drive

Work Area - Document Actions

- When cursor is hovered over any document, 3 dots will appear. After clicking on it, below actions will be available to perform.



Open in desktop app – It opens file from ProjectWise Drive in the default application for that file type.

Check out – It checks out document & download it in download directory of browser.

Download – It just download it in download Directory of browser.

Get Link - Generates sharable link

Rename – To rename document

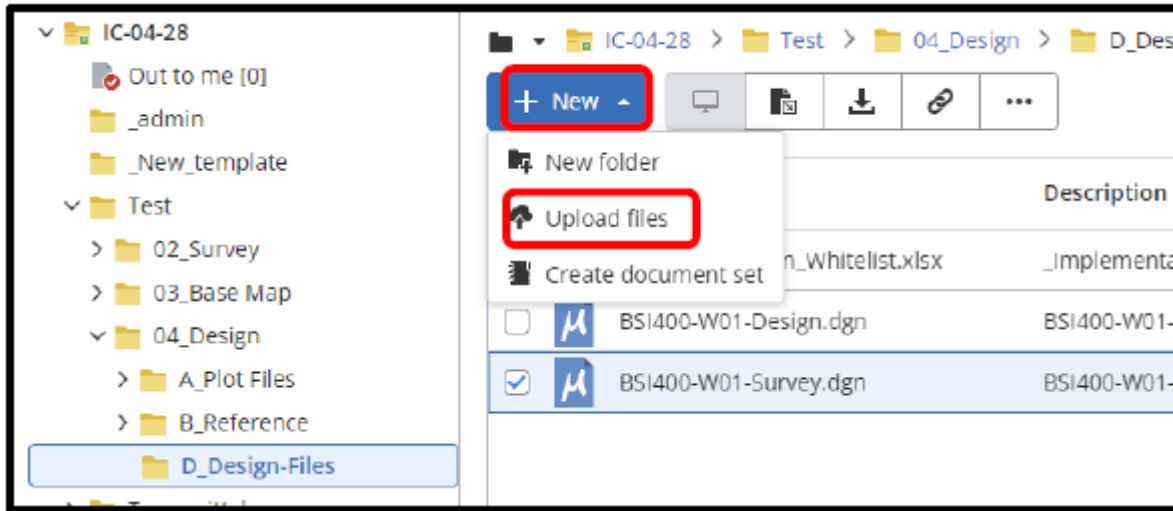
Workflow – To move document in pre-defined workflow

New version – To create new version of document

Document Set – To create flat set for document collection

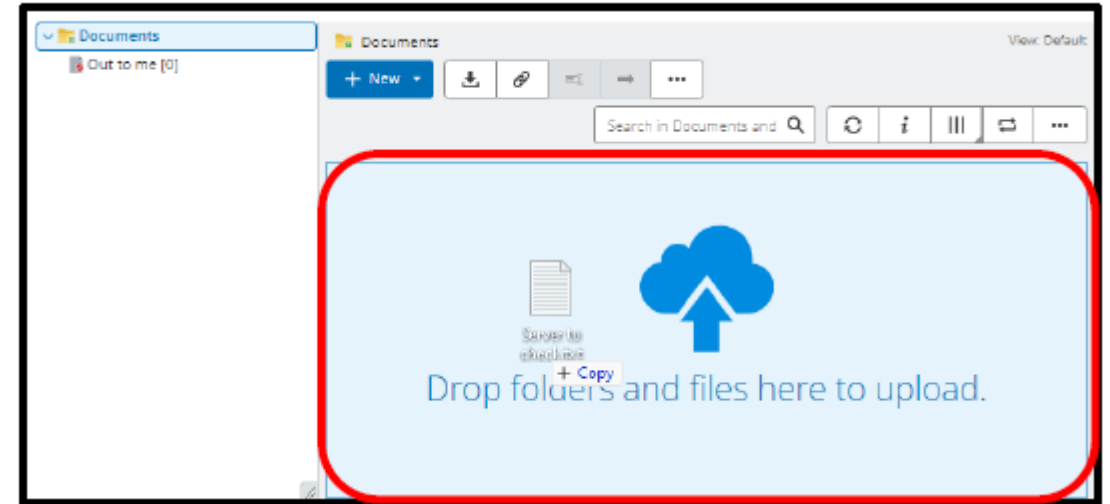
Document Creation

- There are 2 ways to create document in Bentley Infrastructure Cloud.



From the New button, select “Upload files”.

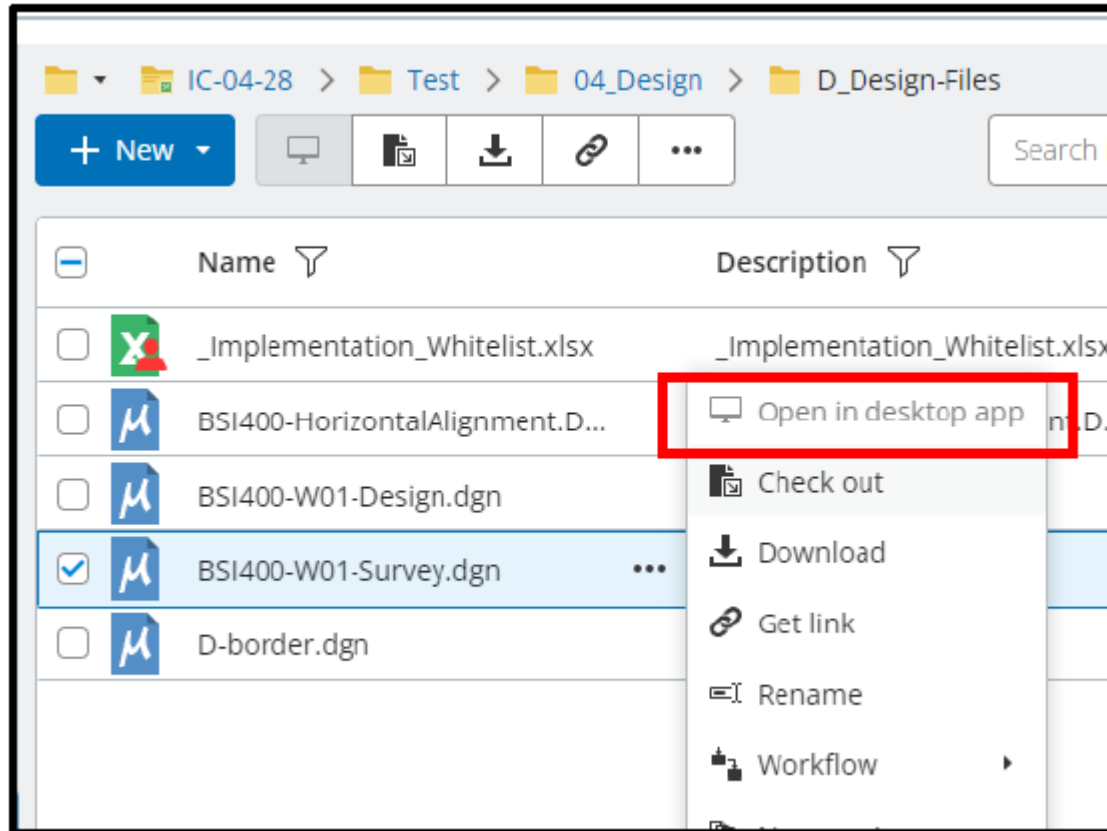
- File selection dialog box will appear.
- Select required files and click on Open to upload documents



Simple drag & drop method.

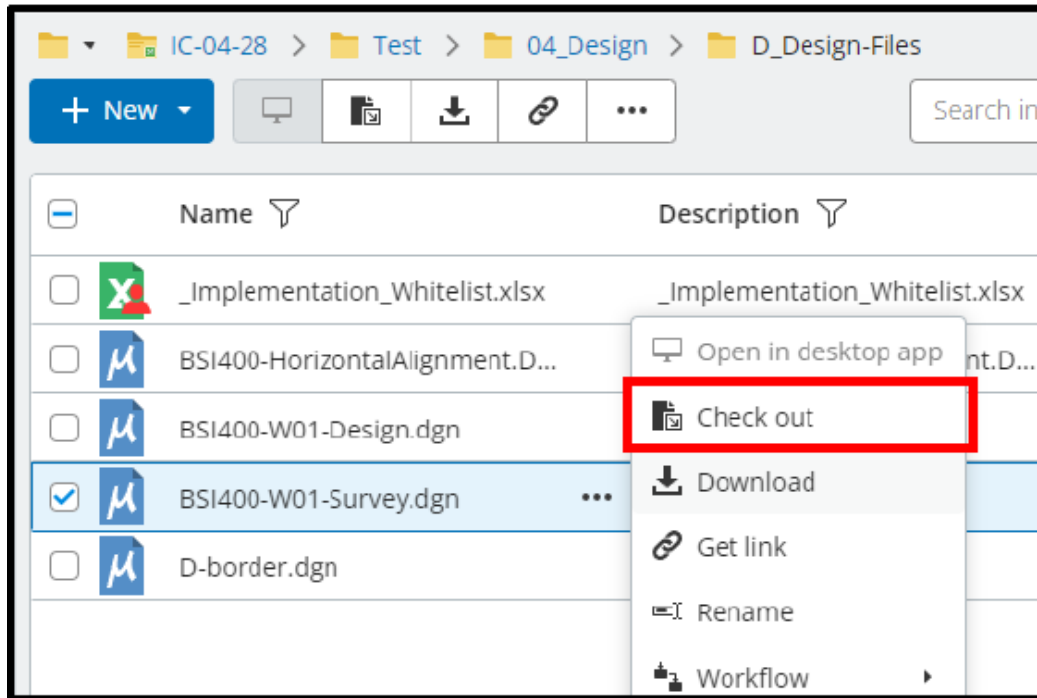
- Select required files and drop in the document area to upload them.

Work Area - Document Actions – Open in desktop app



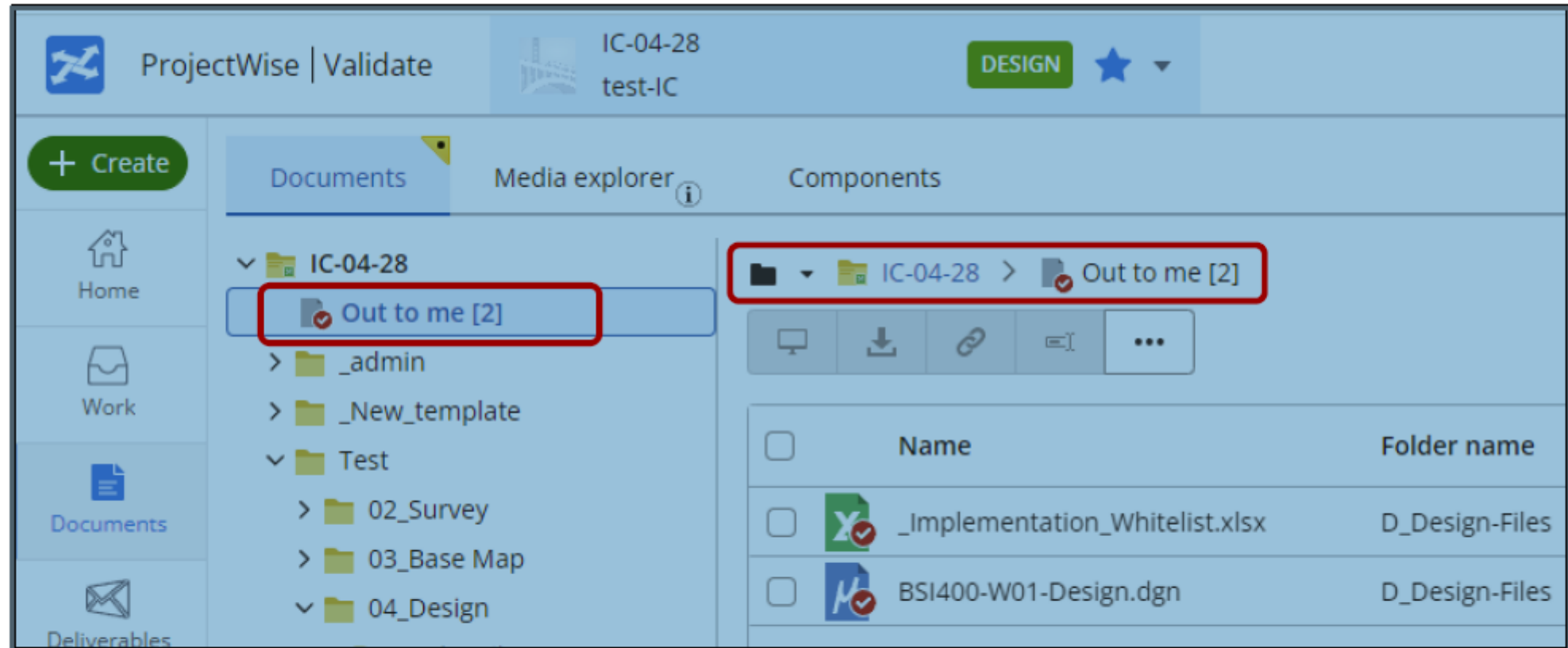
- This option will get enabled once ProjectWise Drive is installed on machine and project is synchronized.
- It'll automatically check out document and open file from ProjectWise Drive.
- This will open file in the default application set for the file type.

Work Area - Document Actions – Check out



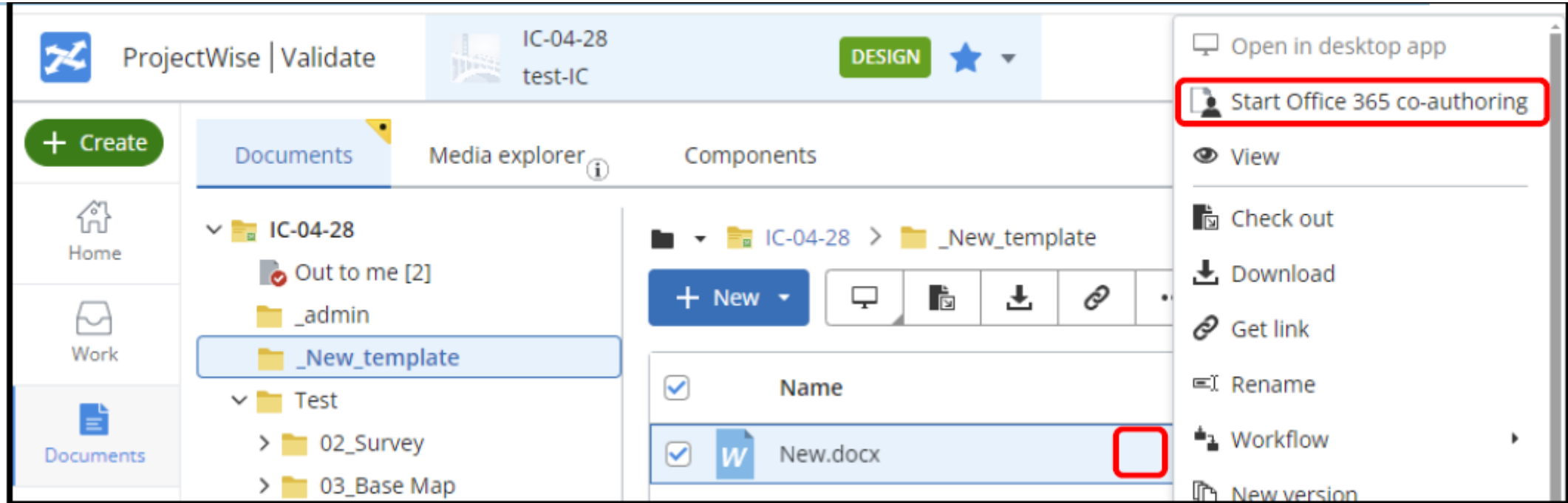
- This command will check out document to user and download to the download directory set in browser.
- This download will be similar to other downloads performed in browser. Please note it'll add (Number) in file name if the same file already exists in download directory.
- Recommended way to check out and open document is to select “Open in desktop app” option.

List of checked out documents



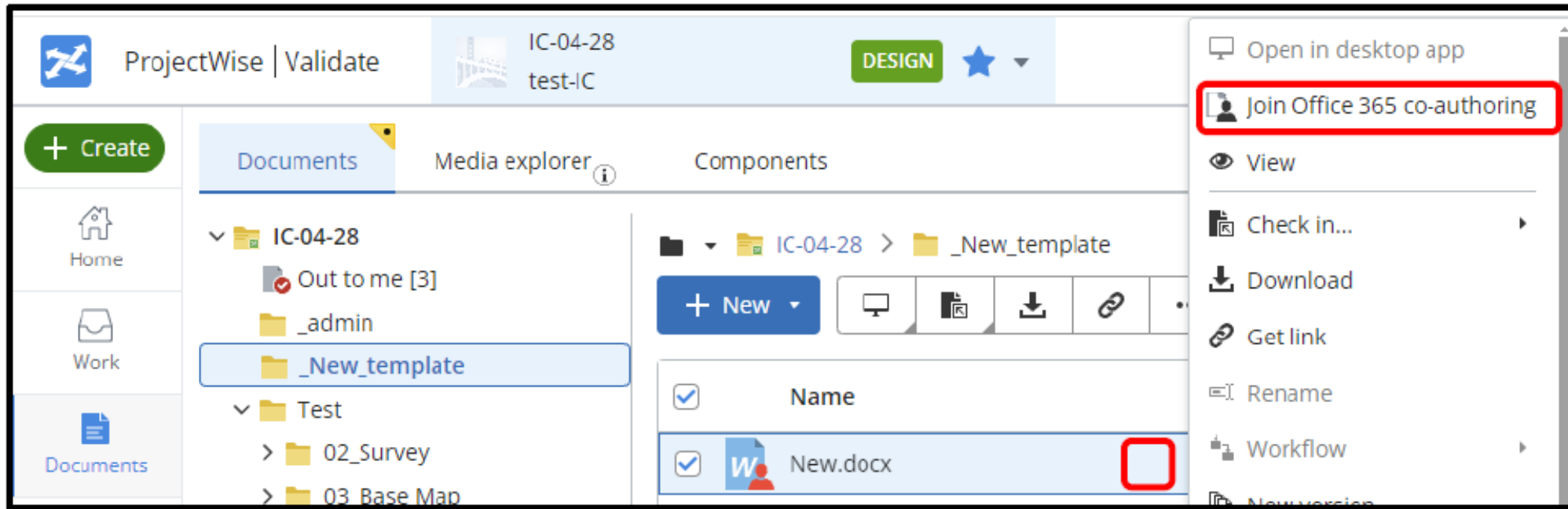
- To see the list of self checked out items in project, click on “Out to me” option just below the project name.

Work Area - Document Actions – Start Office 365 co-authoring



- This option is exclusive for MS Office documents with docx, xlsx and pptx file formats.
- This is available for Halff domain users only.
- This can be triggered by clicking 3 dots at the end of file name and then selecting “Start Office 365 co-authoring”. It’ll first verify user identity and then open file in OneDrive web session. If ProjectWise drive is installed, then it’ll open in desktop app.
- To end co-authoring session, select “Check in” then “End Office 365 co-authoring” to close co-authoring and check in the file. Prior to checking in, it’ll prompt if someone is still working within co-authoring session.

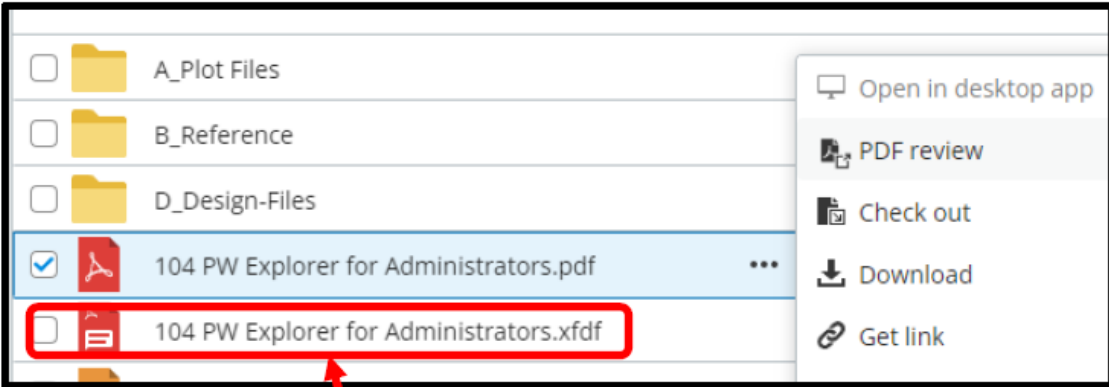
Work Area - Document Actions – Join Office 365 co-authoring



- To join existing Office 365 co-authoring session, right click on office document or click on 3 dots next file and select “Join Office 365 co-authoring”.
- It'll first verify user identity and then open file in OneDrive web session. If ProjectWise drive is installed, then it'll open in desktop app.

Work Area - Document Actions – PDF Review

- This option is exclusively for PDF files.
- This does not replace current market sector review tool.
- The PDF opens in PDF Markup Service within the current ProjectWise Web browser tab.
- Mark-up enabled for current version only.
- Multiple users can do review and markup simultaneously.
- It has an ability to “create issue” and assign to stakeholder.
- Please note that main PDF file doesn’t store mark-ups. A separate XFDF file with same name as parent file is automatically generated which contains mark-up data. XFDF file can’t be opened as a standalone file. Refer next slide for guide to downloading file with mark-up.



XFDF File – Autogenerated
XFDF file containing mark-ups

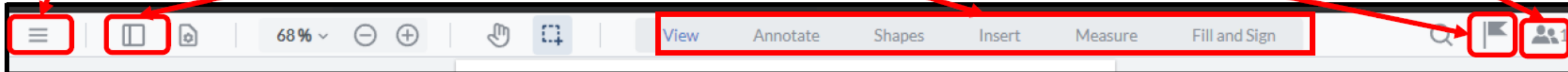
Settings

Panel- Panel to access other PDFs
from same folder or to compare 2
PDFs from same folder

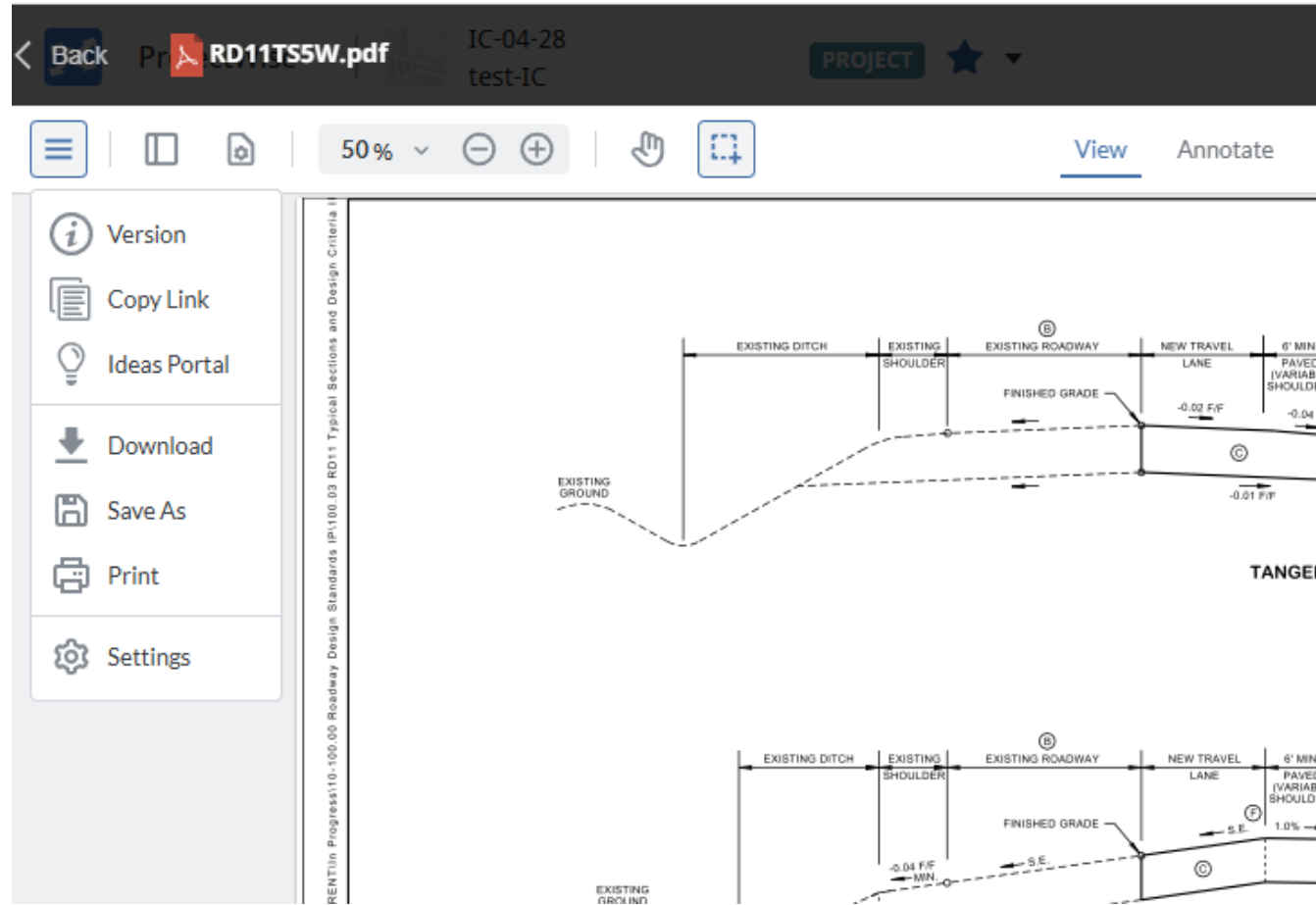
Various mark-up
tools

Mark-ups- To see the
mark-ups performed in
PDF

Connected users–
Users who are having
PDF opened for review

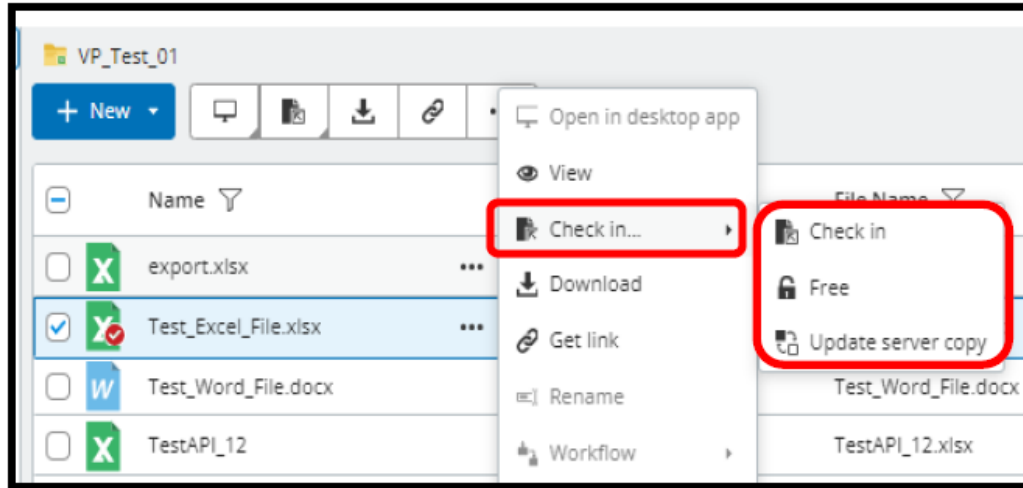


Work Area - Document Actions – PDF Review (contd.)

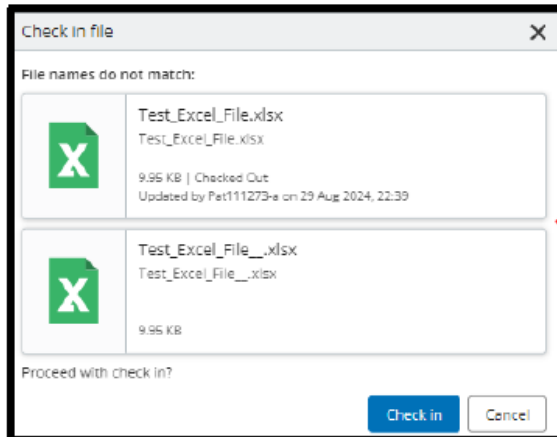


- Right click and download PDF, will download plain PDF without mark-ups.
- To download PDF with mark-ups, click on the PDF and it'll open in the PDF Mark-up Service. This is same as PDF review option. Then from settings option (three horizontal lines in top-left corner), select "Download". It'll attach mark-up file (XFDF file) to the main file and download it.

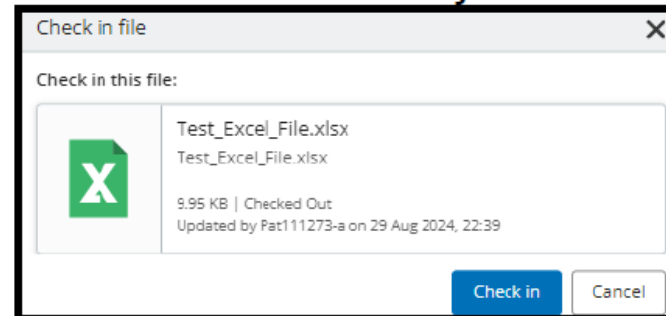
Work Area - Document Actions – Check in...



- While checking in, three options are there, same as PWE, Check in, Free & Update server copy.
- Once finished with updates in checked out file and selecting check in option, a pop-up will appear for file selection. Select the file in which updates are performed. If selected file name is different than PW file name, it'll show “File names do not match” warning. Confirm the name and select appropriate option. Please note it won't change name of the document in PW.
- With project synced in ProjectWise Drive, selecting check in option will check in the checked-out document from ProjectWise Drive without any pop-up.

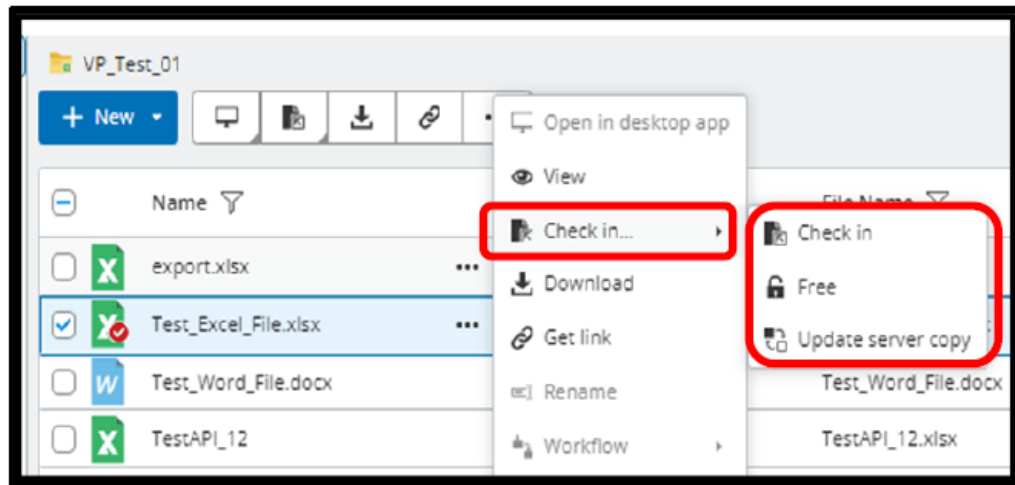


Checked out file name is different than PW file name

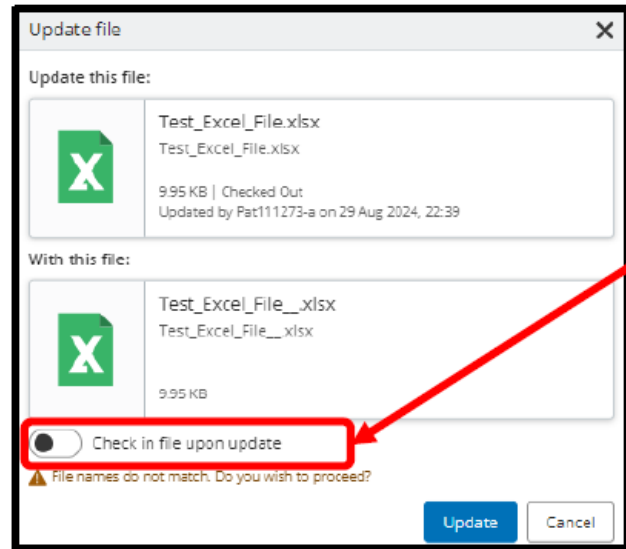


Checked out file name is same as PW file name

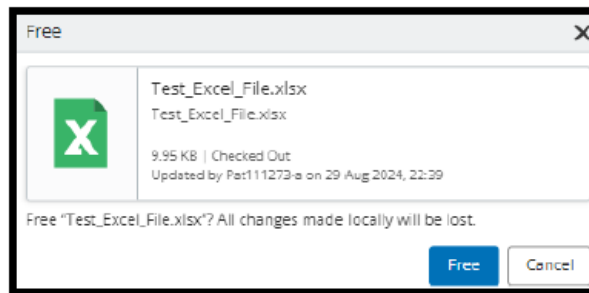
Work Area - Document Actions – Check in... (Contd.)



- Upon freeing the document, it'll confirm the loss of changes made on local file. Select appropriate option.
- Upon selecting “Update server copy” option, pop-up for file selection will come up. If selected file name is different than PW file name, it'll show “Files names do not match” warning.
- Apart from that, a toggle switch is there for “Check in file upon update?” option. If it is required to check in file after updating server copy, turn that on, if not leave it disabled.

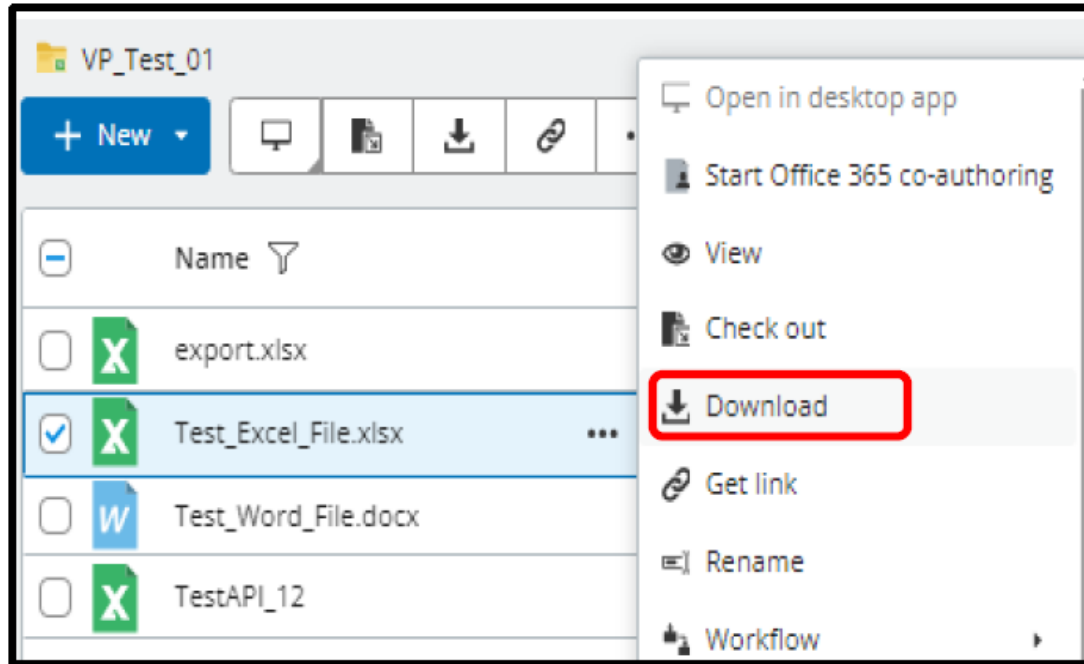


Checked out file name is different than PW file name



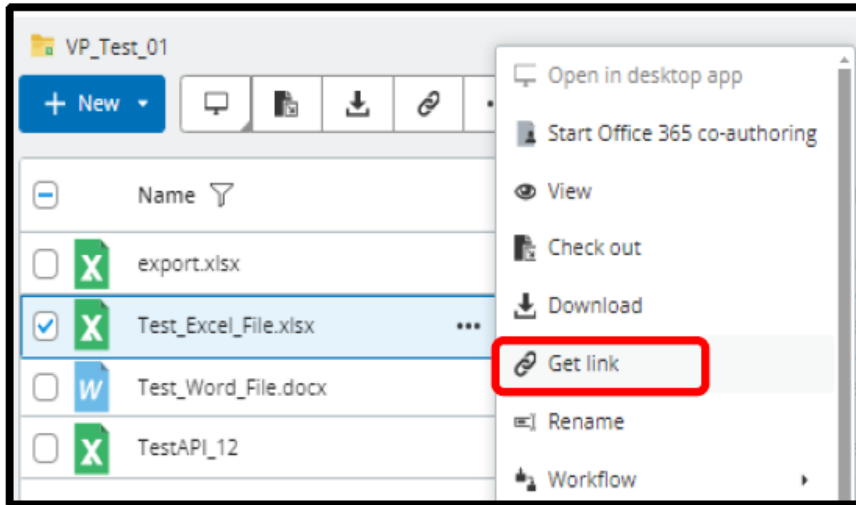
Free option pop-up

Work Area - Document Actions – Download

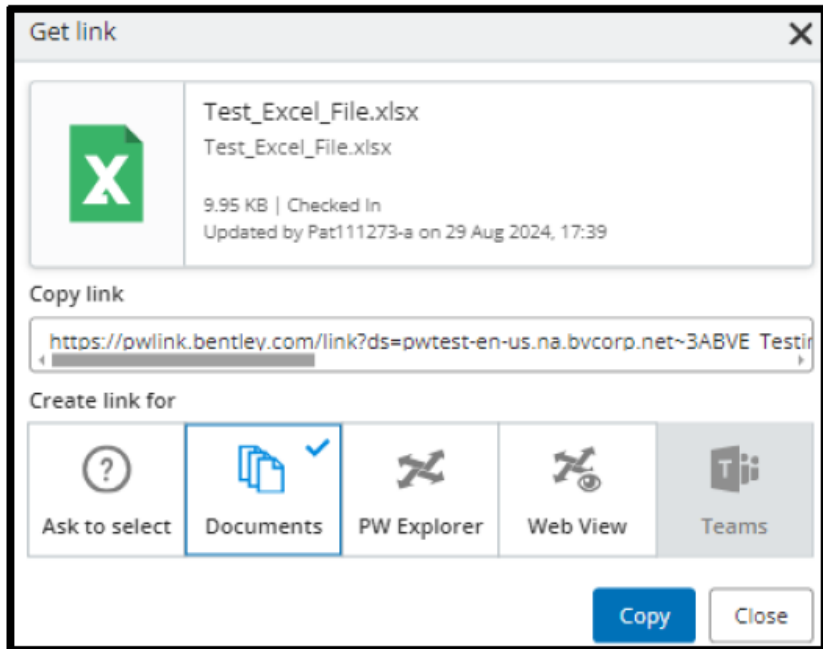


- This command will simply download the selected file in browser download directory.
- For folder download, it'll compress it in single zip file and download.
- It won't check out the document. So, it is preferred way to open any document in read-only mode.
- This is like exporting unmanaged copy in PWE.

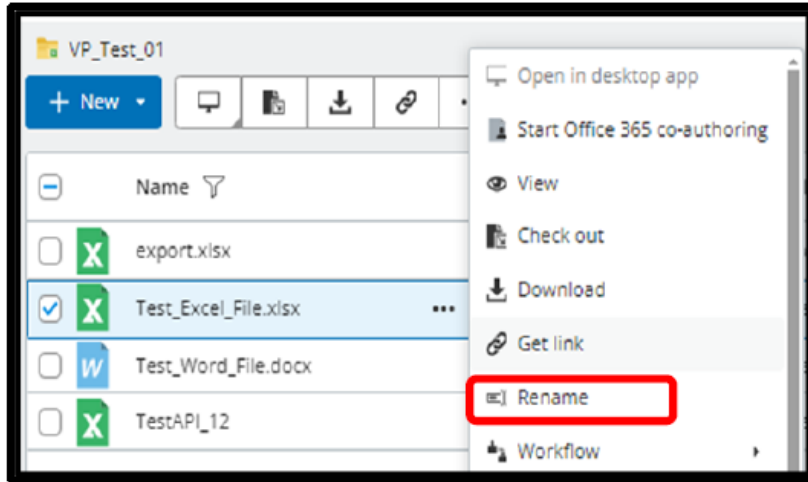
Work Area - Document Actions – Get link



- It'll open pop up for various link generation as seen below.
- After selecting platform, click on Copy button to copy the link.
- Same feature is available in ProjectWise Drive.
- *Documents* option will generate sharable link for BIC platform.
- *PW Explorer* option will generate sharable link for PW Explorer platform.
- *Web View* option will generate sharable link for ProjectWise Web view (read-only) platform.



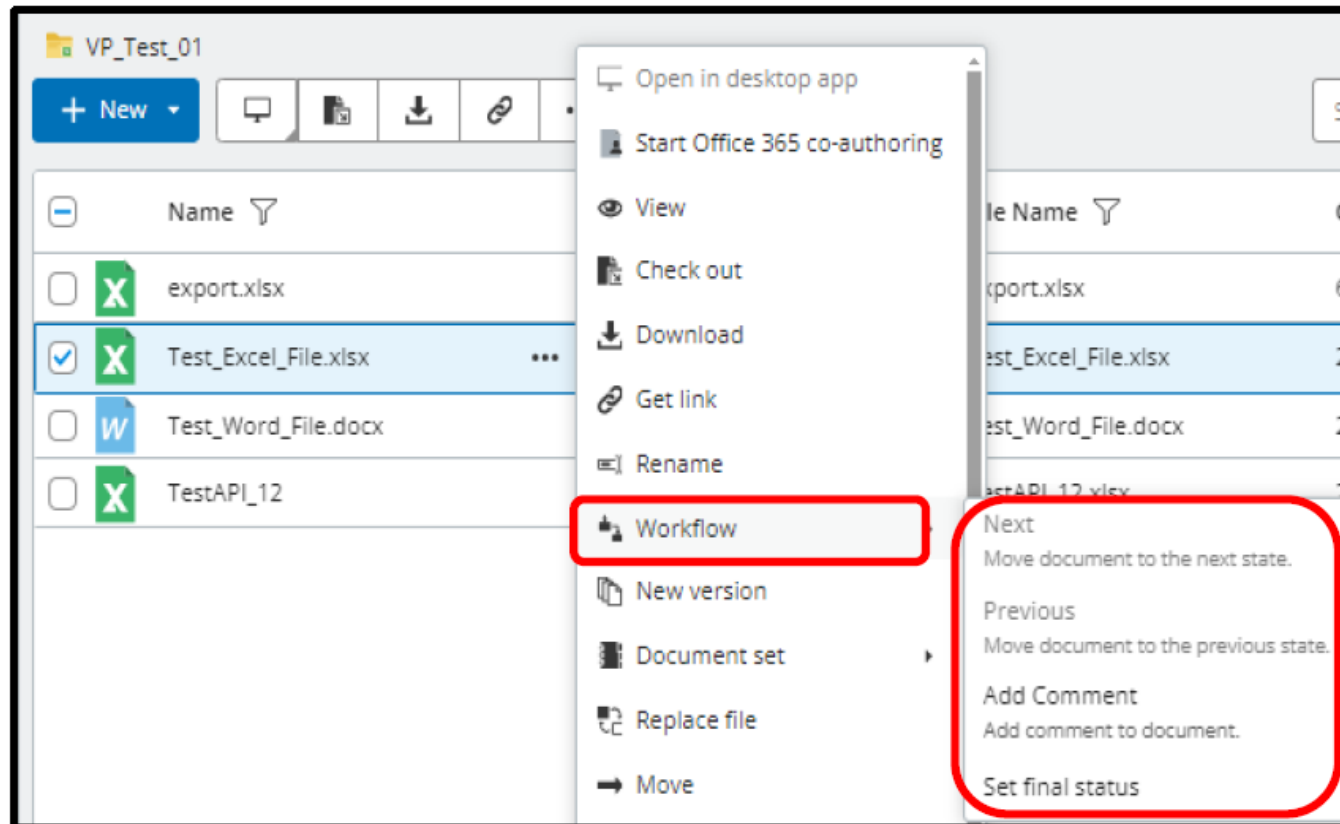
Work Area - Document Actions – Rename



- By clicking rename, below pop-up will appear.
- Name, File name, version and Description fields can be updated.
- This behaves same as PWE
- In ProjectWise Drive rename works only for name & file name field, not for description field.

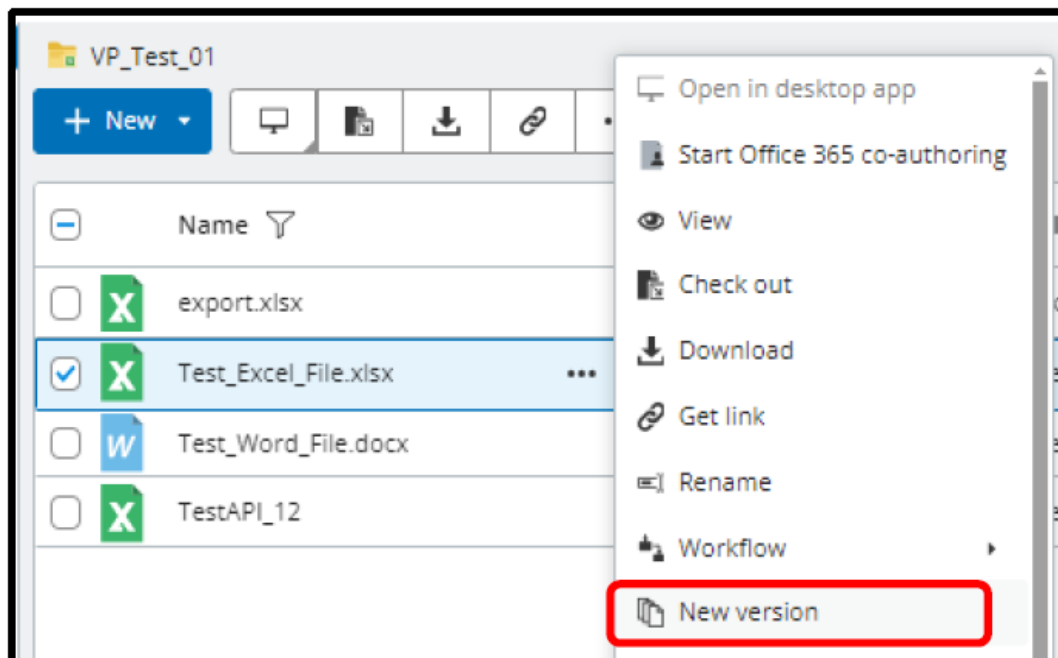
A 'Rename' dialog box for the file 'Test_Excel_File.xlsx'. It displays a green Excel icon and file details: '9.95 KB | Checked In' and 'Updated by Pat111273-a on 29 Aug 2024, 17:39'. Below this are four input fields: 'Name' (containing 'Test_Excel_File.xlsx' with a lock icon), 'File name' (containing 'Test_Excel_File.xlsx'), 'Version' (containing 'A'), and 'Description' (containing 'Test_Excel_File.xlsx'). At the bottom right are 'Rename' and 'Cancel' buttons.

Work Area - Document Actions – Workflow

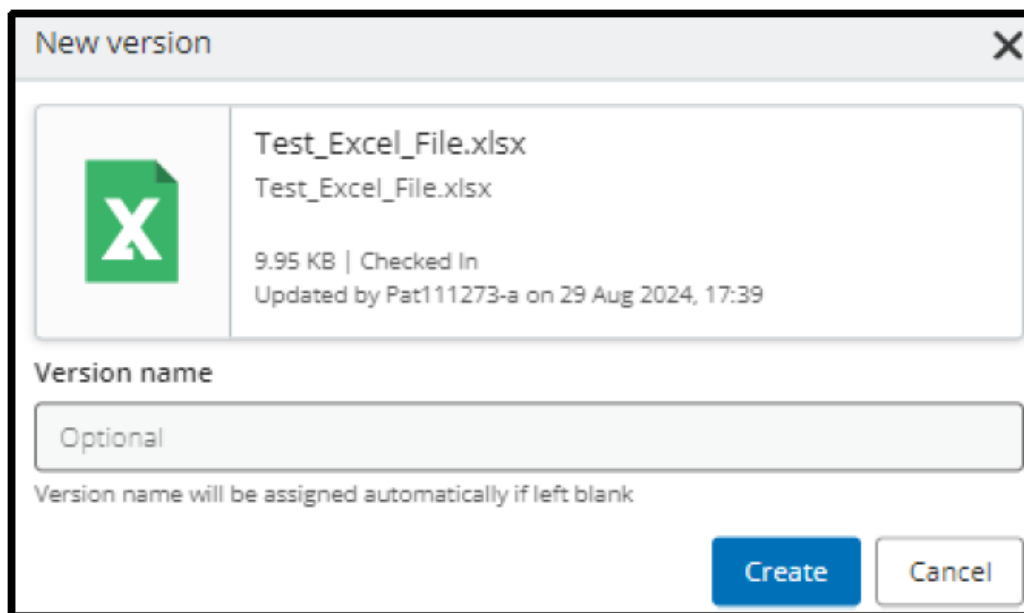


- This command will move document in predefined workflow set for the project.
- This feature is not available in ProjectWise Drive.

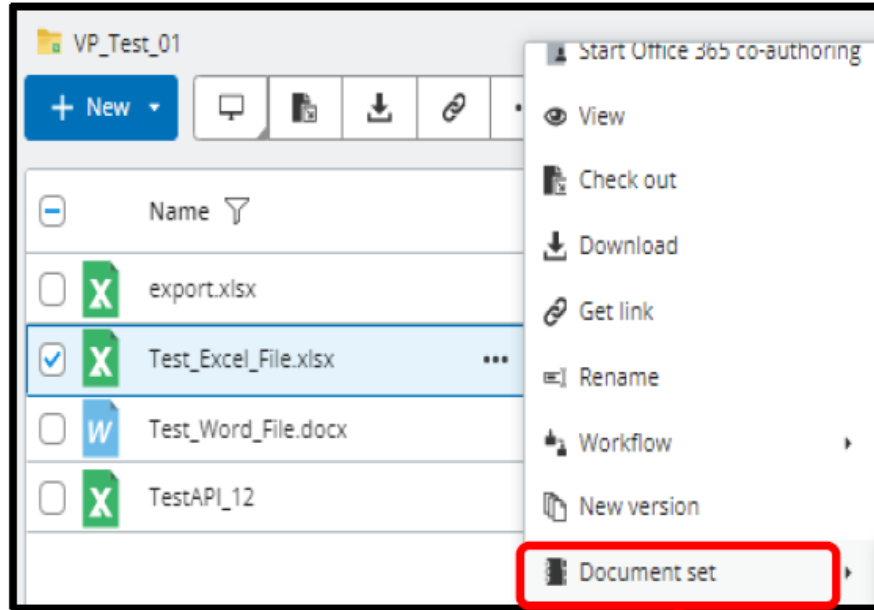
Work Area - Document Actions – New version



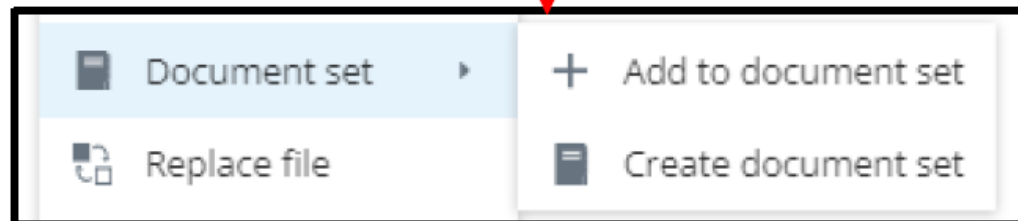
- This command will open pop-up for defining new version of selected document.
- This is same as PWE command Right Click -> New -> Version.
- This feature is not available in ProjectWise Drive.

A screenshot of the 'New version' dialog box. It features a green Excel icon on the left. The right side displays the file name 'Test_Excel_File.xlsx' twice, followed by its size '9.95 KB' and the status 'Checked In', and the update information 'Updated by Pat111273-a on 29 Aug 2024, 17:39'. Below this is a 'Version name' section with a text input field containing the word 'Optional'. A note states 'Version name will be assigned automatically if left blank'. At the bottom right are 'Create' and 'Cancel' buttons.

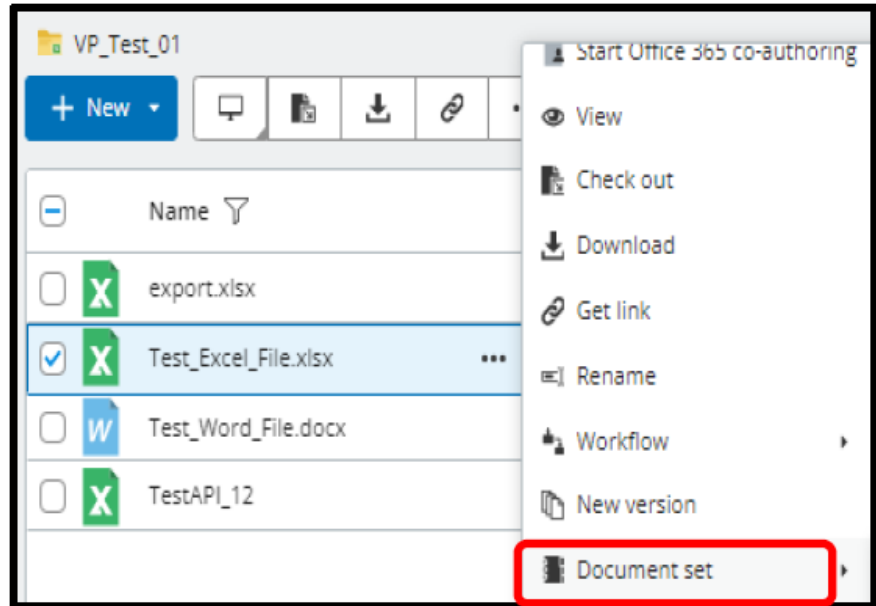
Work Area - Document Actions – Document Set



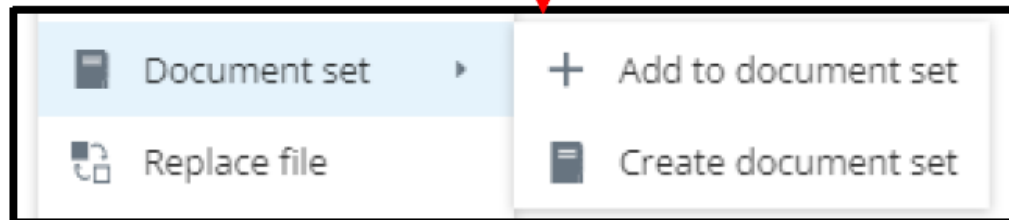
- This command comes with two options to create relationship between a flat set & a document.
- “Add to document set” will give choice to add document in existing set.
- “Create document set” will show pop-up for new flat set creation & will add document to it.
- This feature is not available in ProjectWise Drive.



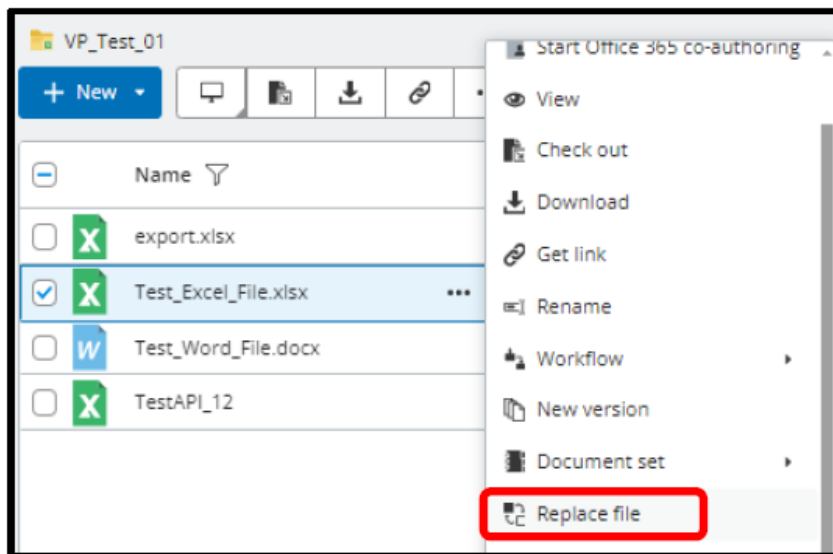
Work Area - Document Actions – Document Set



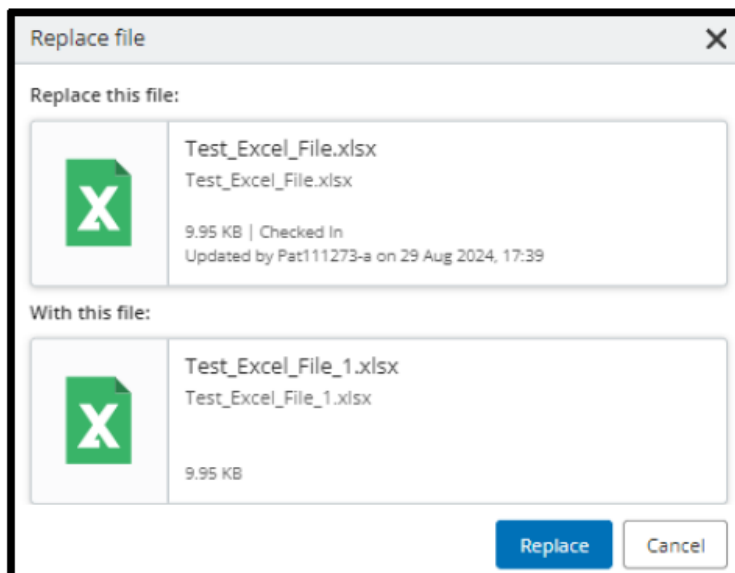
- This command comes with two options to create relationship between a flat set & a document.
- “Add to document set” will give choice to add document in existing set.
- “Create document set” will show pop-up for new flat set creation & will add document to it.
- This feature is not available in ProjectWise Drive.



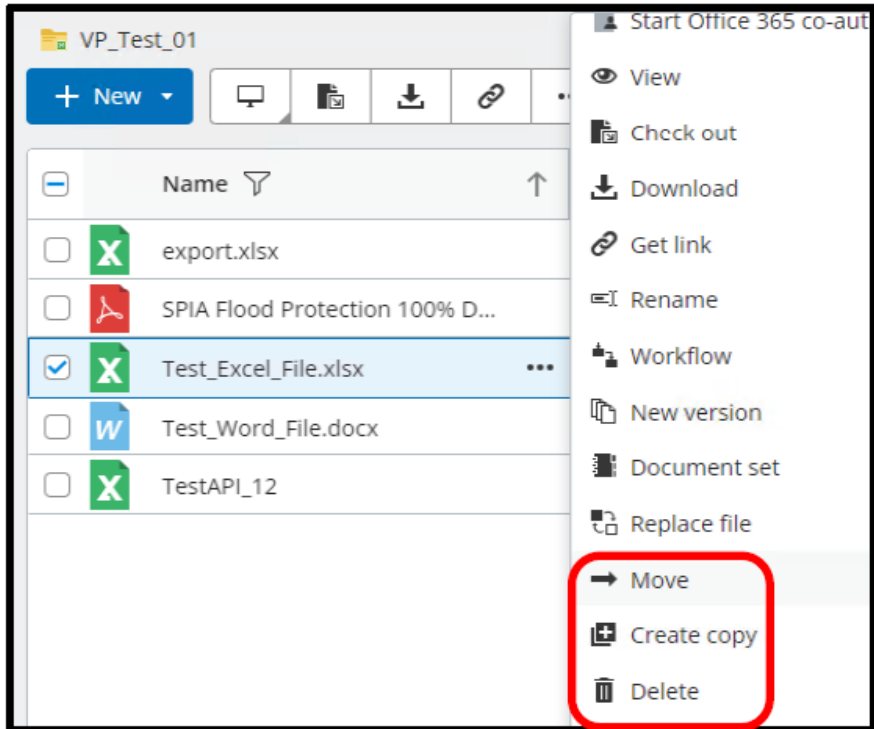
Work Area - Document Actions – Replace file



- This will open local file browser pop-up to select new file for replacing existing physical file.
- After selecting file, pop-up like shown in bottom left image will appear. Select appropriate option and proceed.
- This feature is not available in ProjectWise Drive.

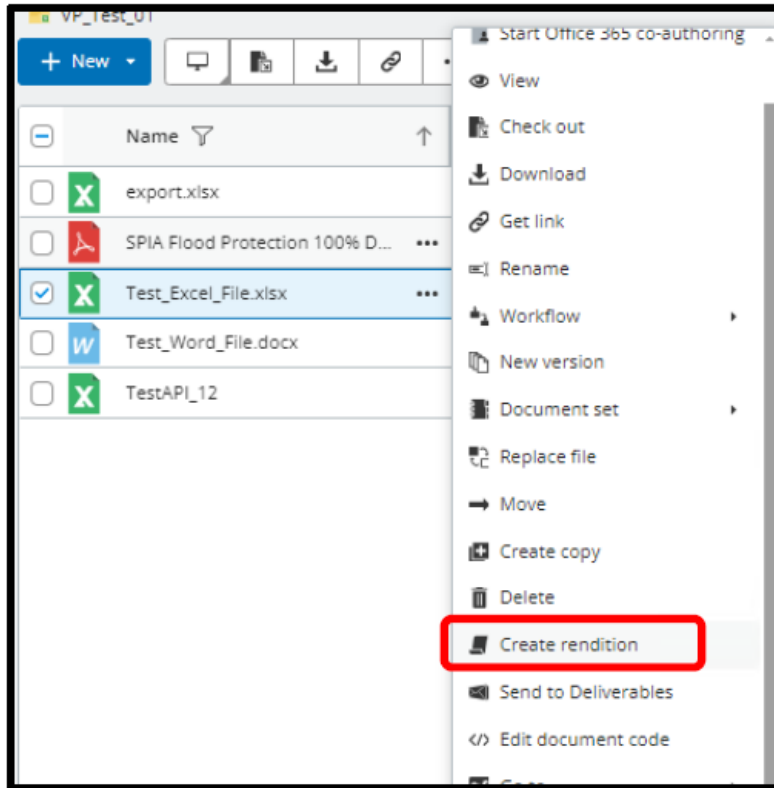


Work Area - Document Actions – Move, Create copy, Delete

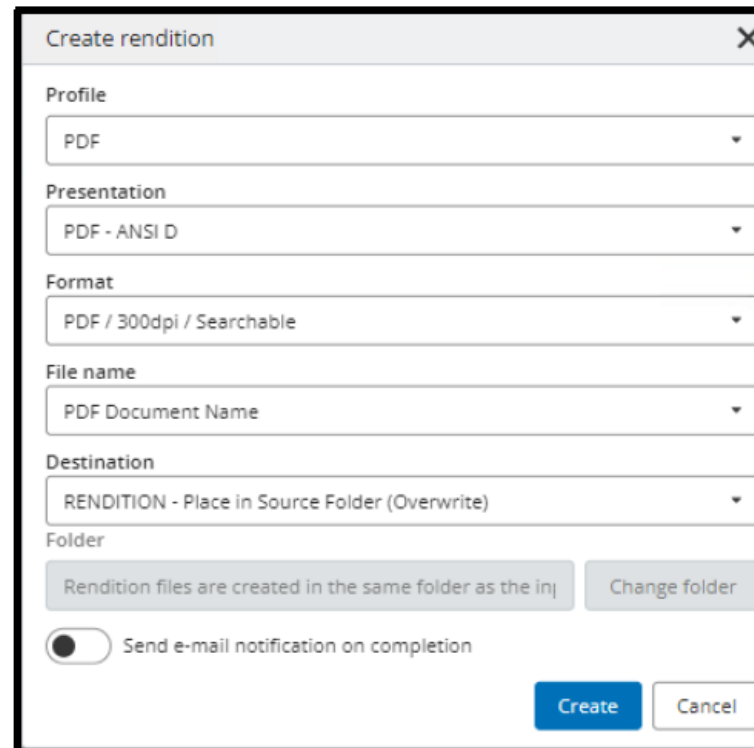


- Move command will open pop-up for selecting destination for moving the document along with versions or folder.
- Create copy command will open pop-up for selecting destination for creating copy of the document or folder.
- Delete command will delete selected items.
- Move and create copy features are not available in ProjectWise Drive.

Work Area - Document Actions – Create rendition

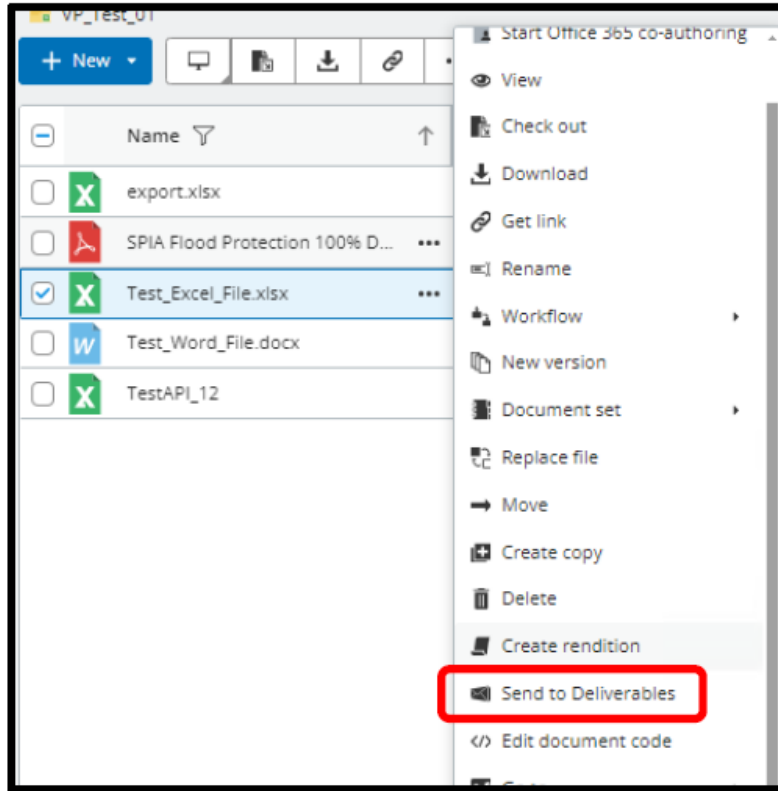


- Create rendition command will show pop-up with options same as ProjectWise explorer.
- This feature is not available in ProjectWise Drive.

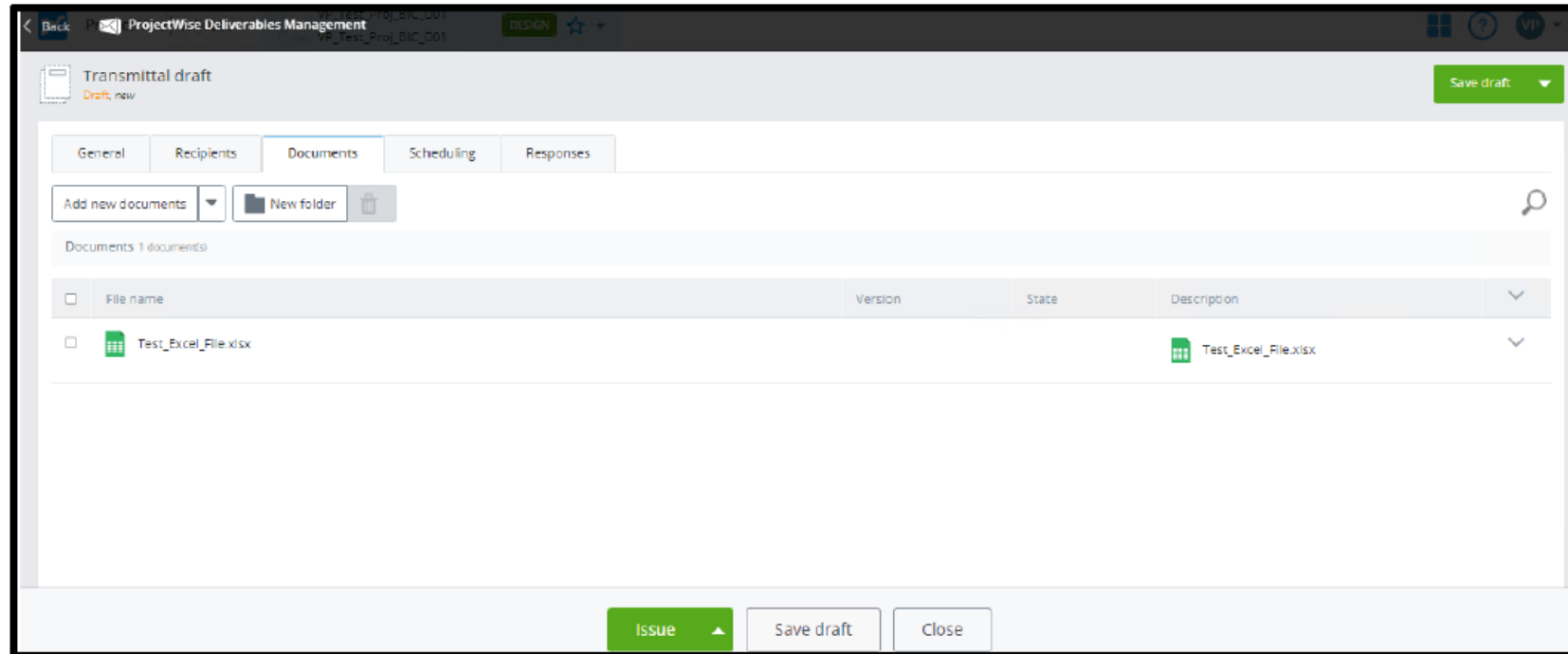
A screenshot of the 'Create rendition' dialog box. It contains the following fields and options:

- Profile:** PDF
- Presentation:** PDF - ANSI D
- Format:** PDF / 300dpi / Searchable
- File name:** PDF Document Name
- Destination:** RENDITION - Place in Source Folder (Overwrite)
- Folder:** Rendition files are created in the same folder as the inq (with a 'Change folder' button)
- Send e-mail notification on completion:** A toggle switch that is currently turned off.
- Buttons:** 'Create' and 'Cancel' at the bottom right.

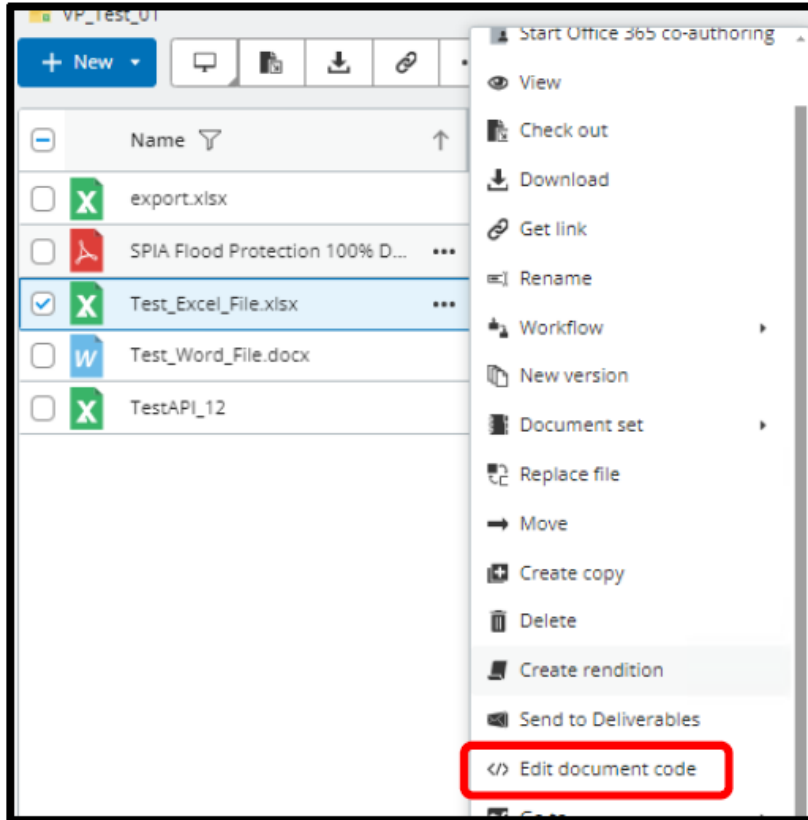
Work Area - Document Actions – Send to Deliverables



- Send to deliverables command will open transmittal draft form shown as below to create transmittal.
- This feature is not available in ProjectWise Drive.

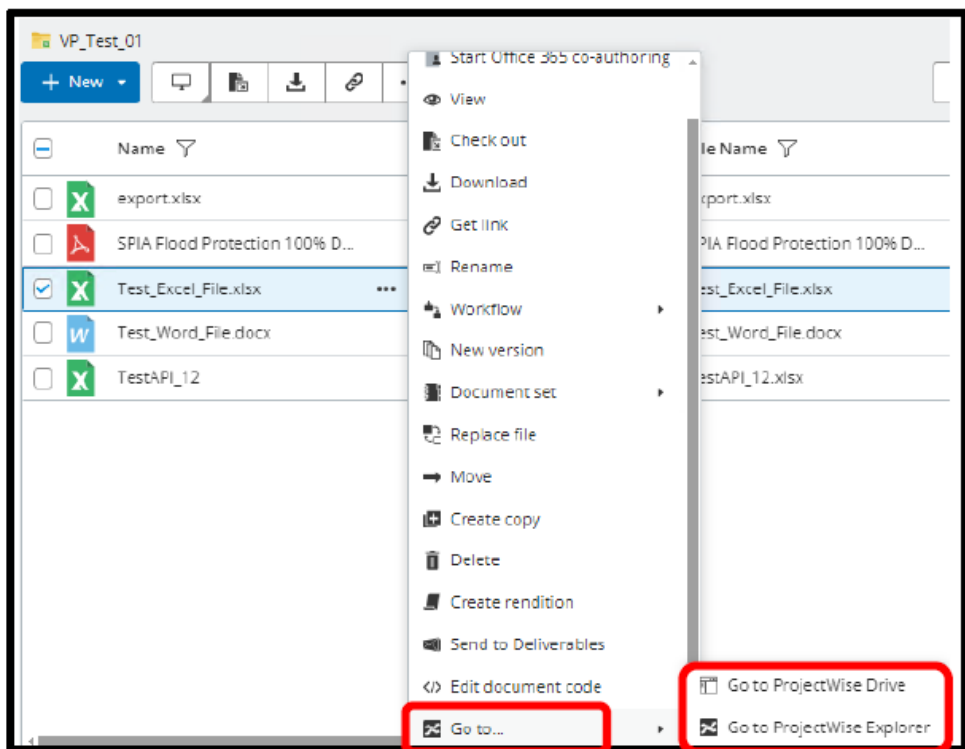


Work Area - Document Actions – Edit document code



- Edit document code will open pop-up to edit document code as per the defined environment.
- This feature is not available in ProjectWise Drive.

Work Area - Document Actions – Go to...



- Go to... command will lead to “Go to ProjectWise Drive” and “Go to ProjectWise Explorer” options. Each will trigger ProjectWise Drive and ProjectWise Explorer to navigate to selected platform respectively.

Document or Folder information

The screenshot displays the Bentley ProjectWise interface. On the left, a table lists documents in the 'VP_Test_01' project. The document 'Test_Excel_File.xlsx' is selected and highlighted with a red box. A red arrow points from this document to the 'i' (information) button in the top toolbar. On the right, the 'Details' pane for 'Test_Excel_File.xlsx' is open, showing general properties and history.

Name	Description	File Name	Created
export.xlsx	export.xlsx	export.xlsx	Aug 6, 2024, 2
SPIA Flood Protection 100% D...	SPIA Flood Protection 100% D...	SPIA Flood Protection 100% D...	Aug 29, 2024,
Test_Excel_File.xlsx	Test_Excel_File.xlsx	Test_Excel_File.xlsx	Aug 29, 2024,
Test_Word_File.docx	Test_Word_File.docx	Test_Word_File.docx	Aug 29, 2024,
TestAPI_12		TestAPI_12.xlsx	May 20, 2024,

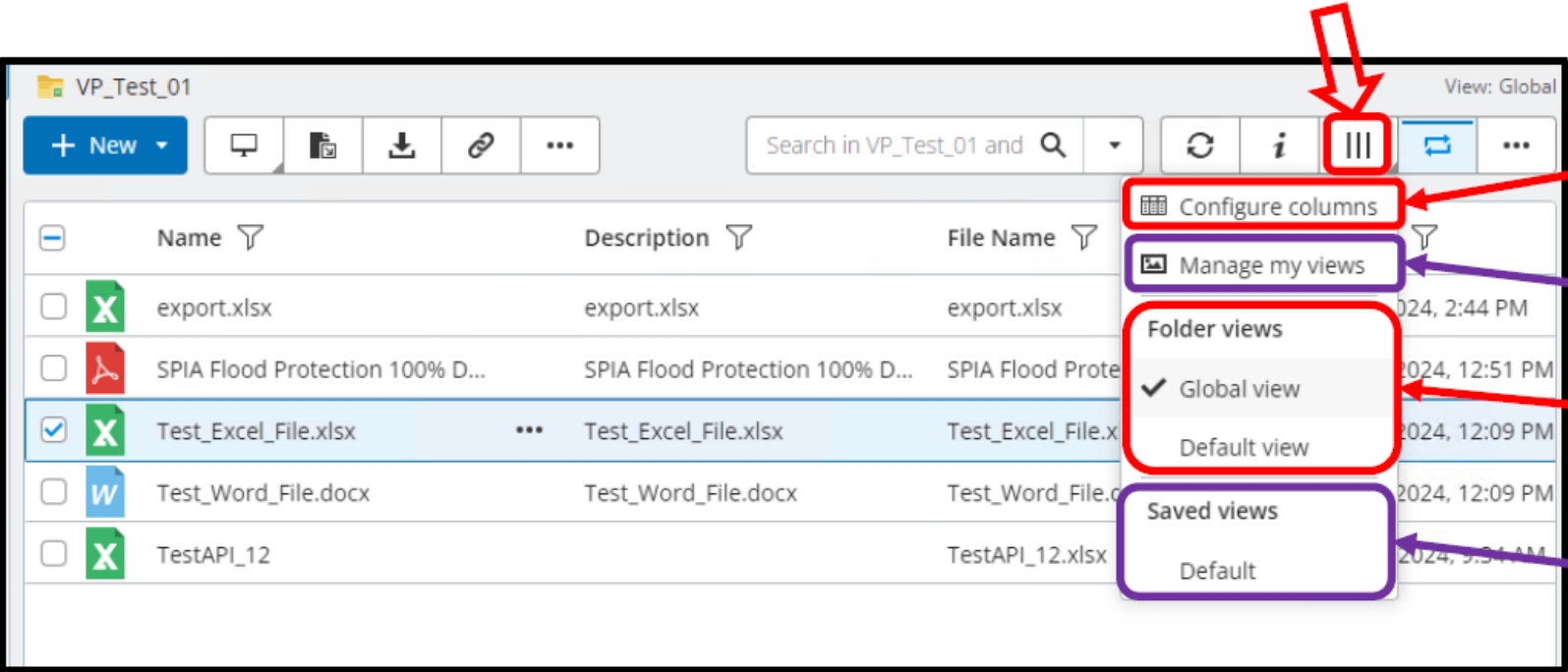
Test_Excel_File.xlsx Details:

- General properties:**
 - Name: Test_Excel_File.xlsx
 - Description: Test_Excel_File.xlsx
 - Version:
 - Status: Checked in
 - Owner: Pat111273-a
- History:**
 - Created by: Pat111273-a
 - Created on: Aug 29, 2024, 12:09 PM
 - Updated by: Pat111273-a
 - Updated on: Aug 29, 2024, 12:45 PM
- Environment:**

- After selecting item, click on **i** button in top to see the details and audit trail for item.
- Audit trail can be exported if required using “Export to file” button in CSV format.
- This feature is not available in ProjectWise Drive.

Column Views

- Column views button (|||) can be selected from anywhere in work area.
- With this user can customize columns and save the view. Also, user can select predefined column views for work area.



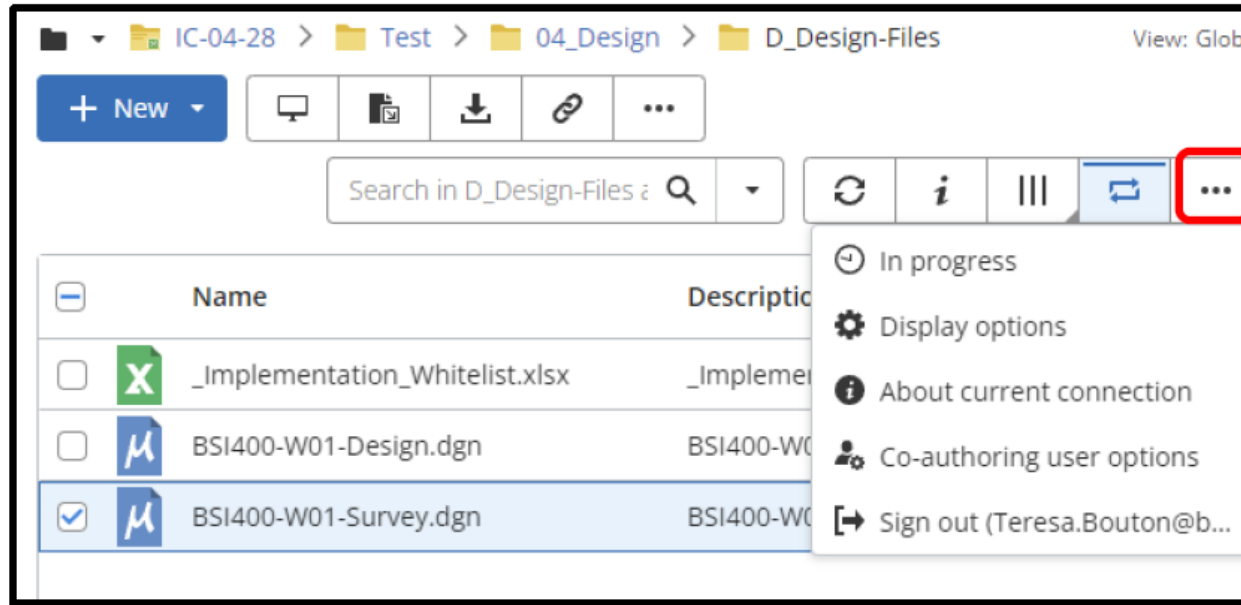
Configure columns – To customize columns list as per user requirement and save it as personal view.

Configure columns – To customize columns list as per user requirement

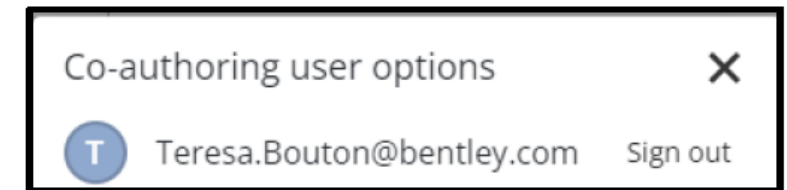
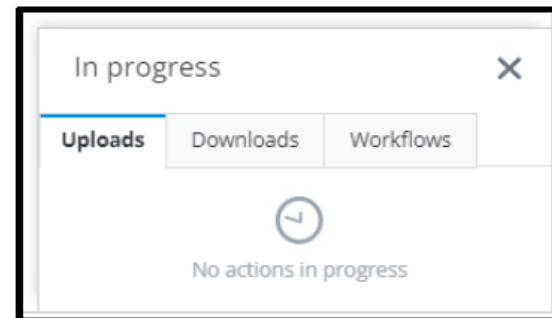
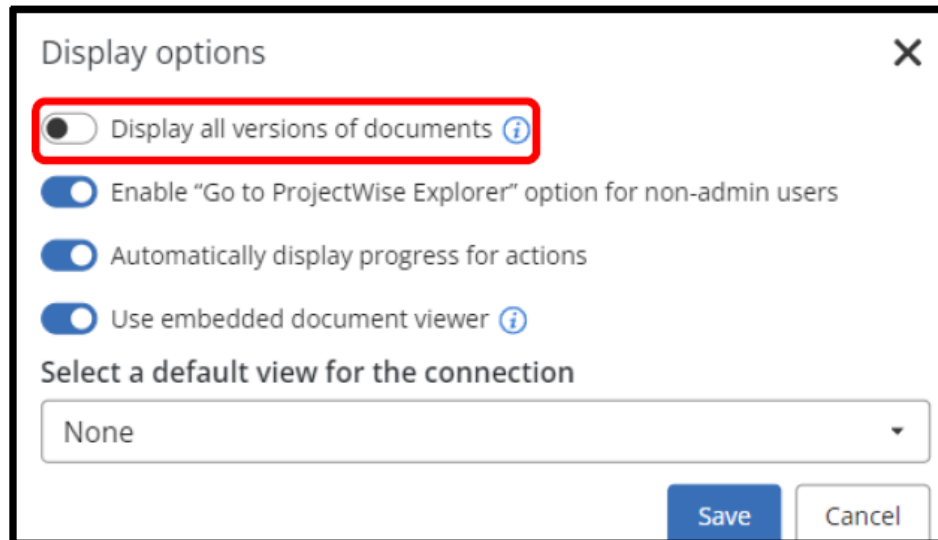
Folder Views – To select existing folder views.

Saved Views – To select saved views by user which are available for all Bentley Infrastructure Cloud connections.

More options



- More options button will show various options.
- “In progress” option will dock small window which will show any uploads, downloads or workflows in progress.
- “Display options” will shows options for turning on and off all versions for documents, progress for actions, etc.
- “About current connection” will show details of Web server and WSG plugin.
- “Co-authoring user options” will show details of user which is signed in into Office 365 for co-authoring.



Our Colors

CMYK | RGB | WEB | PMS

The Bentley color palette has been carefully crafted and has evolved to convey the ideas of a stable, professional, technical, and modern software company. The use of the colors represents the overall brand and maintains a sense of consistency throughout Bentley's marketing.

Bentley Black

RGB 26, 26, 26

WEB 1A1A1A

Bentley White

RGB 255, 255, 255

WEB FFFFFFFF

Bentley Green

RGB 68, 214, 44

WEB 44D62C

Pantone 802 C

Bentley Grey

CMYK 0, 0, 0, 30

RGB 188, 190, 192

WEB bcbec0

Bentley Med Blue

CMYK 81, 38, 0, 0

RGB 20, 134, 200

WEB 1485c7

Bentley Orange

CMYK 0, 70, 97, 0

RGB 243, 112, 36

WEB f37024

Bentley Grey

WEB d1d3d4

Bentley Grey

WEB e6e7e8

Bentley PowerPoint Resources (hyperlinked)

All can be found on [Branding Portal](#)

PowerPoint Support Graphics Library

Inventory of graphics aligned with Corporate messaging, which should be proliferated in our presentations for consistency in how we communicate storylines. These graphics are also designed as PowerPoint objects to provide flexibility for color changes as needed.

Pre-made Slide Layouts

Some pre-designed slide layouts for some of the more common use cases (be sure to check the presenter notes for more details on each slide).

Industry Divider Slides

These are now hosted as a separate file to keep this main template simplified and a smaller file size.

An aerial photograph of a city skyline at sunset. The sky is a mix of orange, yellow, and blue. The city is filled with numerous skyscrapers, some of which are illuminated with lights. The water is visible in the background on the left side.

• Bentley Infrastructure Cloud Getting Started - Administrators

Training Overview

2025

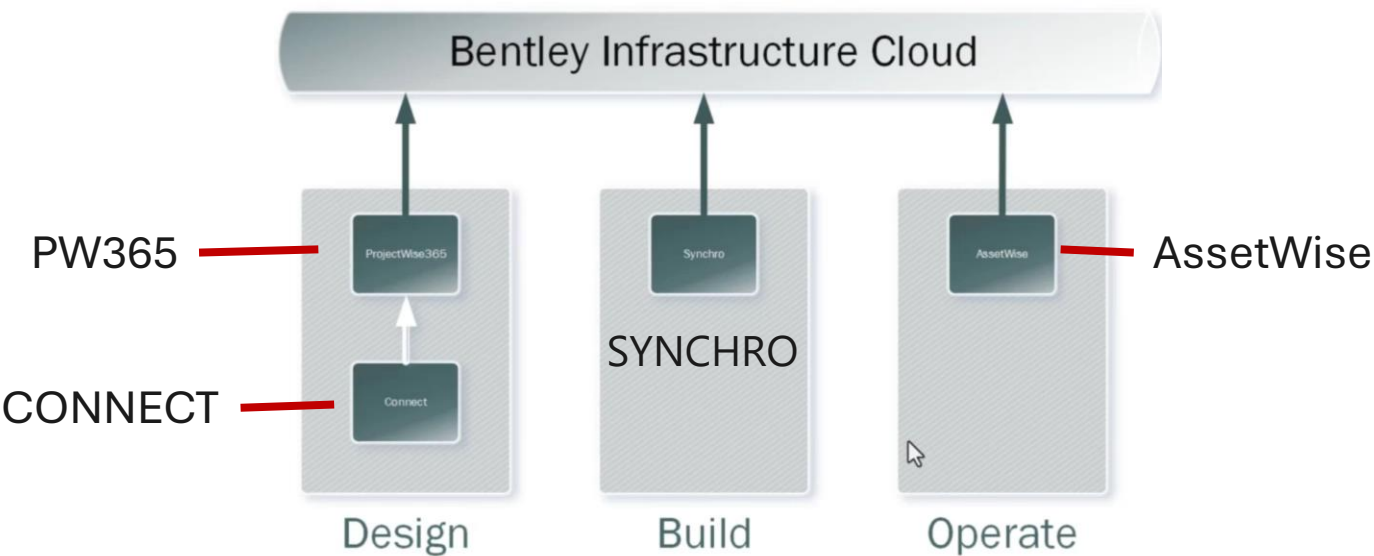
Teresa Bouton
Senior Consultant

Bentley[®]

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Portal Evolution from CONNECT to Bentley Infrastructure Cloud

Portal Evolution



Portal Evolution

Connect	ProjectWise365	Bentley Infrastructure Cloud
<ul style="list-style-type: none">• ProjectWise Web• Deliverables Management• Insights• Issue Resolution• Forms• iModel Manager• Design Validation	<ul style="list-style-type: none">• Project Template• Personal Work Inbox	<ul style="list-style-type: none">• SES Support• iModel Sync, Design Review & Clash Detection• Civil Validation & Analysis

Bring all 3 together
in ProjectWise
Infrastructure Cloud

Entitlements

In the Subscription Entitlementment Service (SES), the term “**Entitlementment**” simply refers to a user’s authorization to run a Bentley application. These entitlements are available to users at the organization based on the contractual obligations

			Infrastructure Cloud - Project					
			Entitlements					
			Manage	Engineer	Validate	Manage	Engineer	Validate
						Project Owner	Project Owner	Project Owner
Administration	Manage Project Details	Edit				•	•	•
		Make available as Template				•	•	•
		Delete				•	•	•
	Manage Your Team	Invite & Configure Team Participants				•	•	•
		Create / Modify Team Roles & Permissions				•	•	•
		Remove Team Participants				•	•	•
		Access Team Member and Role Management				•	•	•
	Manage External Organizations	Invite / Remove invitation				•	•	•
		Create a Plan Set						•
	Inspections Configuration	Configure Standard Inspections forms Workflows						•
	Cost Code Configuration	Setup Cost Codes to be used in SYNCHRO Modeler						•
	Manage Forms	Create / Modify Forms definition						•
		Delete Forms definition						•
	Reality Management	Upload / Download Reality Data						•
		Associate / Deassociate Reality Data						•
		Delete Reality Data						•
		Modify Attributes						•
	Document Settings	Create / Modify / Delete Connection				•	•	•
		Modify Office 365 storage settings				•	•	•
	Manage PowerBI Dashboards	Add				•	•	•
	Deliverables Settings	Create / Modify / Delete DM Settings				•	•	•
	Hierarchy tree configuration							•
Work	Forms	View	•	•	•	•	•	•
		Create	•	•	•	•	•	•
		Comment	•	•	•	•	•	•
		Assign	•	•	•	•	•	•
		Approve	•	•	•	•	•	•
		Delete						•
		Modify	•	•	•	•	•	•
Documents	Documents	Set Folder Access	•	•	•	•	•	•
		Delete	•	•	•	•	•	•
	Plan Set	Read-Only	•	•	•	•	•	•
		View and Markup Plan Sets	•	•	•	•	•	•
		Specification	•	•	•	•	•	•
		Media Indexing	•	•	•	•	•	•
Deliverables Management	Transmittals / Submittals / RFIs / General Correspondance	Component Center	•	•	•	•	•	•
		Read & Create Draft Packages	•	•	•	•	•	•
		Receive External Packages	•	•	•	•	•	•
		Issue Packages	•	•	•	•	•	•
iModel Manager	iModels	Approve RFI Response	•	•	•	•	•	•
		Create			•			•
		Manage Content			•			•
		Manage Versions			•			•
		Export to iFC		•	•		•	•
		Edit			•			•
		Set Access			•			•
iModel Viewer	iModels	Delete			•			•
		Access	•	•	•	•	•	•
Dashboards	Forms Dashboard	View	•	•	•	•	•	•
	Project Insights	Configure				•	•	•
4D	Schedule	View	•	•	•	•	•	•
		View Visual 4D Planning	•	•	•	•	•	•

Organization Enterprise Settings (Bentley IMS Admin)

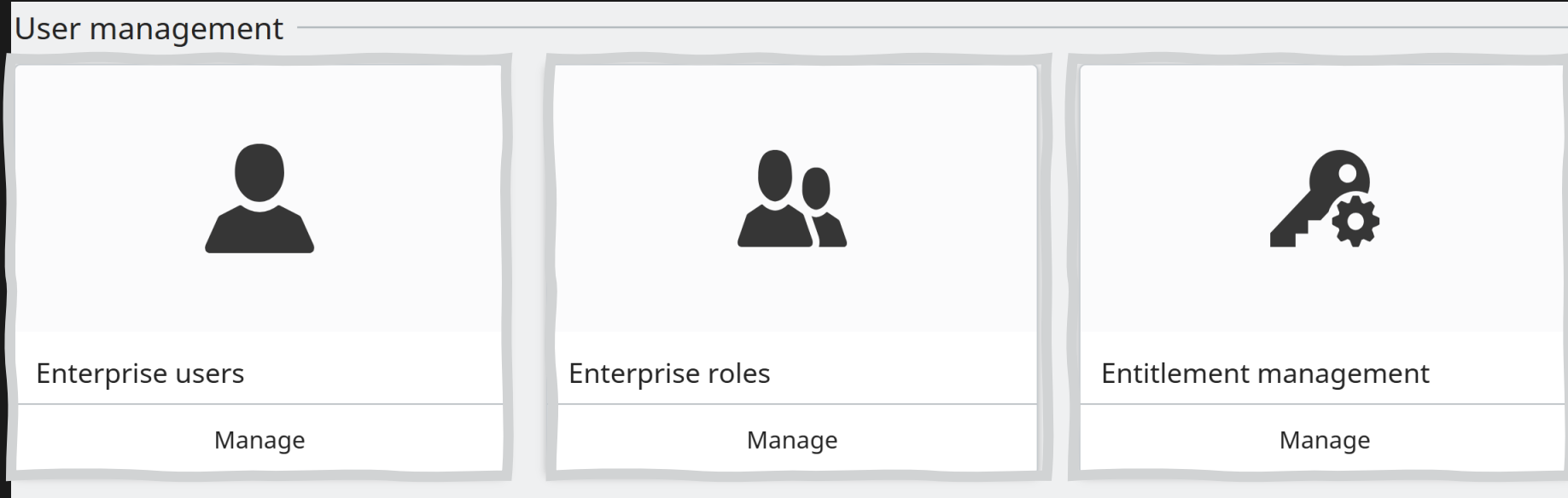
Enterprise settings are managed by the Bentley IMS Administrator.

Three enterprise applications configure users, roles, and entitlements/licensing

Enterprise Users: Manage user accounts and invitations.

Enterprise Roles: Assign roles for granular access control.

Entitlement Management: Set default entitlements, manage licensing, and assign to specific groups.



Entitlements

Entitlement Comparison Table

Entitlement	Typical User	Key Capabilities	Example Tasks
Manage	PM/Reviewer	Review, create issues	Oversight, issue creation
Engineer	Designer, Surveyor	Model, edit, collaborate	Design, <u>ad</u> ress issues
Validate	Discipline Lead, BIM Coordinator	Manage <u>i</u> Models, project-wide validation	Model checking, superelevation review, clash detection

Example-Project Manager Needs:

- Markup PDFs
- Access files in ProjectWise
- Create Issues in iModels

Required Entitlements:

- ProjectWise Manage

Example-Surveyor Needs:

- Add survey models to project
- Use OpenRoads Designer to create Terrain
- Hand off terrain DGN to BIM Manager

Required Entitlements:

- ProjectWise Engineer
- OpenRoads Designer

Example-Civil Designer Software Needed:

- ProjectWise Explorer
- OpenRoads Designer
- Validation Tools in iModels

Required Entitlements:

- ProjectWise Validate
- OpenRoads Designer

Entitlements

Organization-wide Roles

- Allow or restrict iTwin services across ALL projects
- Available in all iTwins
- Includes OOTB Roles
 - Project Administrator
 - Team Member

Owner Roles

- Only one type: **ITWIN OWNER**
- Automatically assigned to iTwin creator
- Full Control of iTwin

iTwin Roles

- Defined and maintained per iTwin
- Can be pre-defined in a template
- Examples included in Standard Templates

Enterprise Role Management

✓ Enterprise Roles

Project Administrator
Team Member

✓ Custom Enterprise Roles

Components Center Administrator
Components Center Consumer

Con

Cont

Gi

PROJECT

Standard Project Template

- Engineer
- Manage
- Validate

BUILD

Standard Construction Template

- Admin
- Contributor
- Project Manager

Entitlements vs. iTwin Roles

Entitlements

- Set by organization to control software and BIC services for its users
- iTwin Overrides for Project and Build

Roles

- Assigned per iTwin project for form assignments and access control.
- Control access to iModels, Documents, Deliverables, Dashboard.

NOTE:

ProjectWise Work Area access is managed in ProjectWise Explorer, not BIC.

Entitlements

Benefits of Role-Based Entitlements

- **Efficiency:** Right tools for the right users.
- **Governance:** Controlled access and accountability.
- **Collaboration:** Clear responsibilities.

Example – Project Manager

Needs:

- Markup PDFs
- Access files in ProjectWise
- Create Issues in iModels

Required Entitlements:

- ProjectWise Manage

Example – Surveyor

Needs:

- Add survey models to project
- Use OpenRoads Designer to create Terrain
- Hand off terrain DGN to BIM Manager

Required Entitlements:

- ProjectWise Engineer
- OpenRoads Designer

Example – Civil Designer

Software Needed:

- ProjectWise Explorer
- OpenRoads Designer
- Validation Tools in iModels

Required Entitlements:

- ProjectWise Validate
- OpenRoads Designer

Team Management

One way to Manage Entitlements:

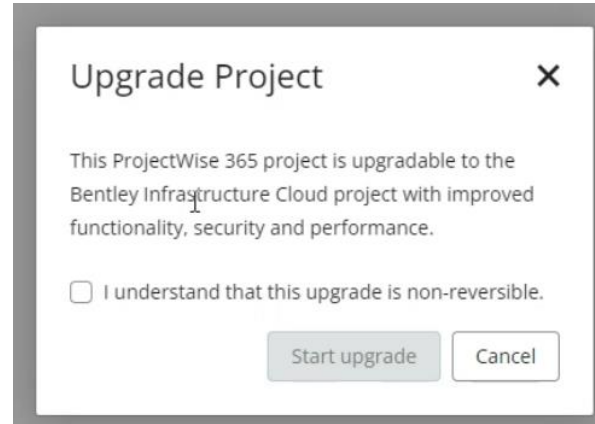
https://bentleysystems.service-now.com/community?id=kb_article_view&sysparm_article=KB0036134

Also read Access Control Best Practices:

https://bentleysystems.service-now.com/community?id=kb_article&sysparm_article=KB0019690

Spreadsheet with Entitlements and Permissions: [Bentley Infrastructure Cloud - Administration – Manage Your Team – Communities](#)

Upgrade Path for Existing Cloud Projects to Infrastructure Cloud



This tool only reprovisions project, does not move data

Old links from ProjectWise365 will still work and take you to Bentley Infrastructure Cloud

Work Area connections do not have to be reassociated at the work area

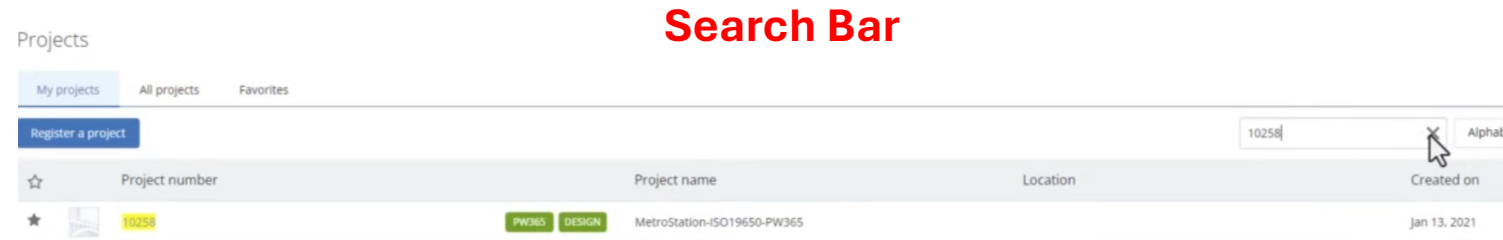
For Deliverables Management, External users don't need to upgrade the Project on their side, they can continue to use it even if the main Project is upgraded

Enterprise Roles have been exposed now so Team members will now have permission work in the Project

Forms and workflows with Enterprise roles are not able to be moved yet

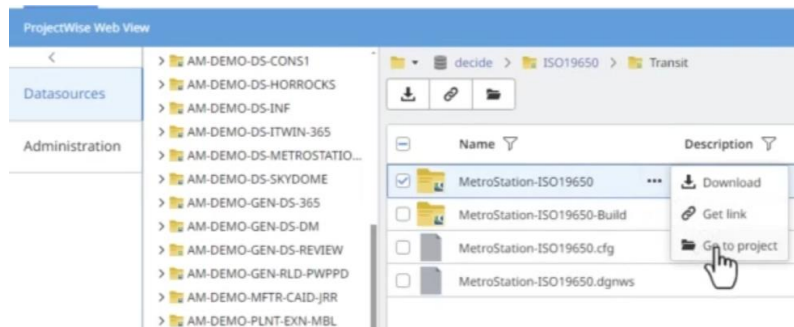
Navigating Cloud Projects

Search	Through ProjectWise Web View	Favorite
<ul style="list-style-type: none">• Project Number or Name• NO wildcards	<ul style="list-style-type: none">• Navigate through ProjectWise Web View• Go to Project	<ul style="list-style-type: none">• Add to Favorite: Projects Actively Working on• Remove from Favorite: Once Done

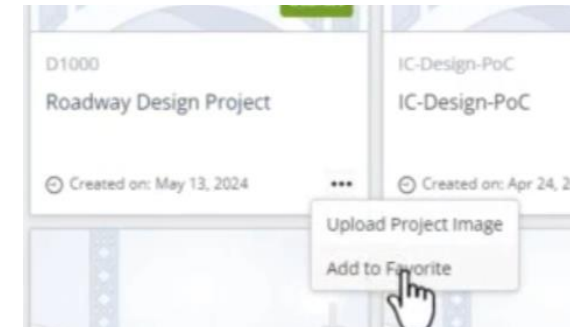


Search Bar

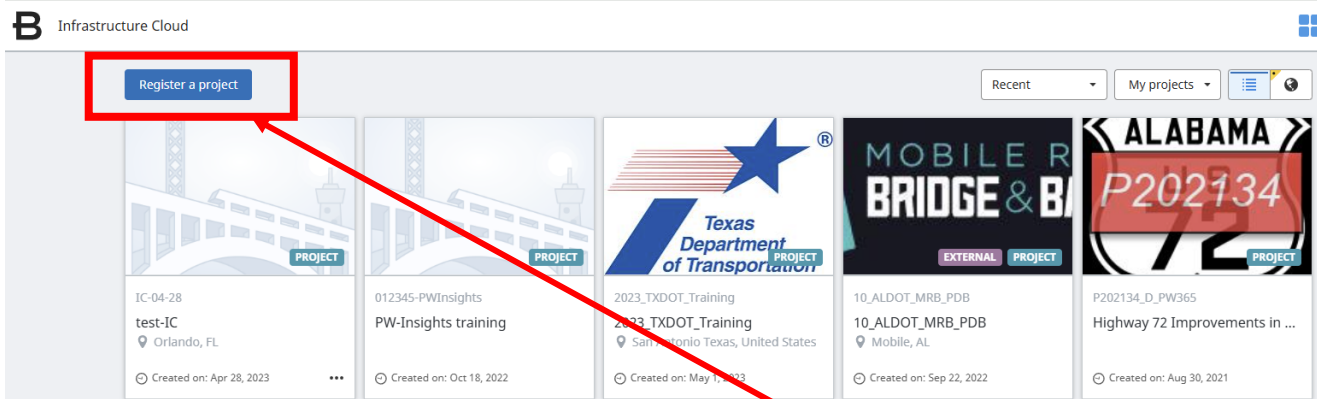
Web View



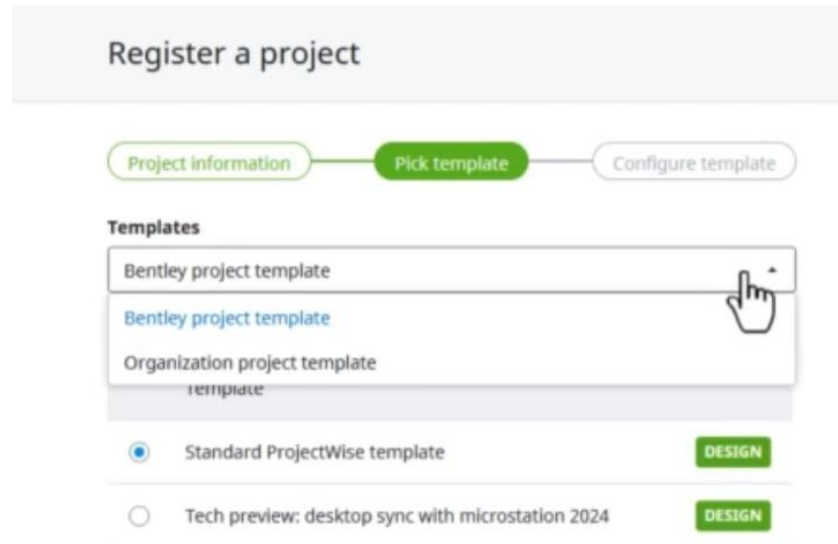
Add to Favorite



Portal Project Creation



From the Infrastructure page select Register a Project. This option is Only available to those with the Validate Entitlement



Register a project

Project information — Pick template — Configure template

* Required fields

Project number *

36 max characters

Project name *

150 max characters

☒ Enable Media Indexing

Time zone *

(UTC-05:00) Bogota, Lima, Quito, Rio Branco

Billing country *

-- Select --

Data center location

US East

Project image

Select

Project location

+

Portal Project Creation

B Infrastructure Cloud

Register a project

Time zone *
(UTC-06:00) Central Time (US & Canada)

Billing country *
United States

Data center location
US East

Project image
Select

Project location
X Location

Next

685 Stockton Drive Exton, I

Stockton Dr, Pennsylvania Dr, Rice Blvd, Livestock Rd, Stockton Dr

© 2024 TomTom © 2024 OSM

Project Location can be selected at this point or at any time after the Project is created by entering a Project address or using the select tools available

Project Location

Project Location, if you know exact address you can search for it

register a project

Project information

Pick template

Configure template

* Required fields

Project number *

30 max characters

Project name *

150 max characters

☒ Enable Media indexing

Time zone *

(UTC-05:00) Bogota, Lima, Quito, Rio Branco

Billing country *

- Select -

Data center location

US East

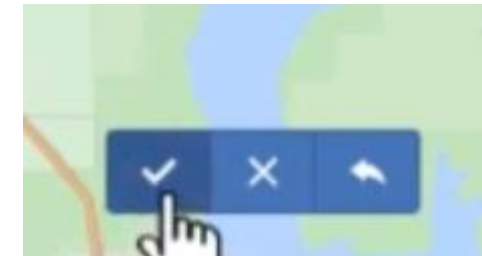
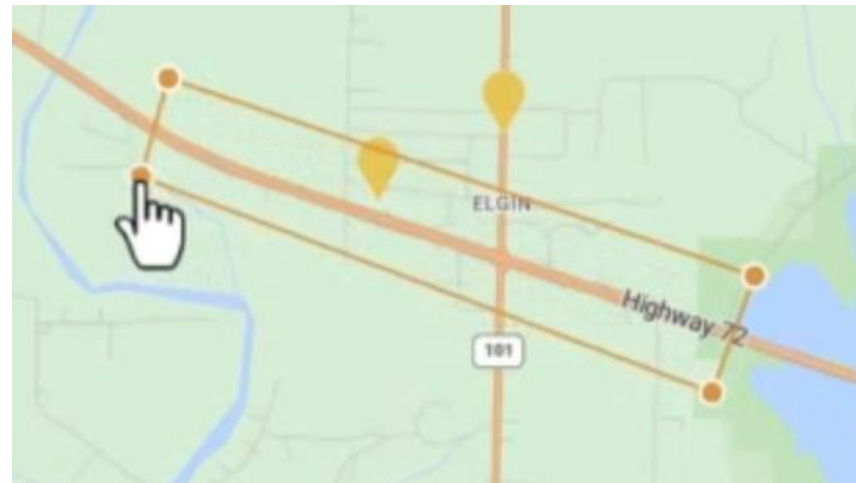
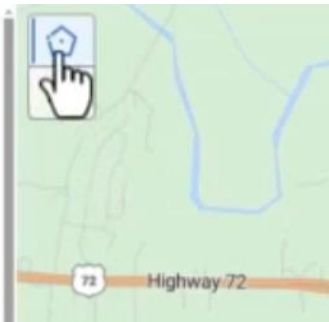
Project image

Select

Project location

X Location

You can use shape to indicate range of your project



Portal Project Creation

Register a project

Project information

Pick template

Configure template

✓ Project successfully registered!

○ Copying items

✓ Copy iModels

✓ Setup desktop sync iModel

✓ Copy Roles

✓ Copy Document Folders

✓ Enable Documents

✓ Enable ProjectWise Deliverables Management

✓ Copy ProjectWise, Powered by iTwin Template Forms

Important!

By choosing **Provide licenses for external team members**, the ProjectWise Subscriber organization is responsible for providing the license entitlement. Changes associated with external participant usage will be attributed to the ProjectWise Subscriber's Organization.

This setting does not affect Inviting External Organizations to Collaborate through Deliverables Management. In this case users must Bring their Own License.

[Learn More](#)

Data center location

US East

Project image

Select

Project location ⓘ



Location

☐ Make available as template ⓘ

External Team Member Management

☐ Provide licenses for external team members

Save

Next

Cancel

If the project is configured to Provide Licenses for external team members, all of these participants will be granted ProjectWise Manage entitlement permissions and will record a ProjectWise Manage usage attributed to your organization when they login to the project.

This setting does not affect Inviting External Organizations to Collaborate through Deliverables Management. In this case users must Bring their Own License

Portal Project Creation

Register a project

Project information Pick template Configure template

Templates

Bentley project template

Bentley project template

Organization project template

Standard ProjectWise Template DESIGN

Tech Preview: Desktop Sync with MicroStation 2024 DESIGN

Back Next Cancel

When you Select a template this template will copy the Roles, Deliverables Management settings, and Forms options listed below into the new Project. The Distribution matrix does not come over with template and must be imported

Roles & Users

- Custom Roles
- Users
- User Memberships

Deliverables Management

- Cover Letter
- Purposes & Attributes
- Custom Package Types
- Scheduling

Forms

- Custom Forms
- Custom Workflows

Team Management

Project Template	Import from Excel	Sync Work Area Participants
<ul style="list-style-type: none">• Organizational Template• Inherit Roles, Users & Memberships	<ul style="list-style-type: none">• Fill out Emails & Roles in Excel• Import from Excel	<ul style="list-style-type: none">• Work Area Connection• Auto Sync• Sync Now

The entitlements for ProjectWise Manage, ProjectWise Engineer and ProjectWise Validate only impacts access to the Manage, Engineer and Validate web interfaces within infrastructurecloud.bentley.com. Entitlements to other interfaces within a license level, for example ProjectWise Explorer Client (part of the Engineer license level), are administered as separate applications within the Subscription Entitlement Service.

Role based access control has nothing to do with entitlement management

So, if I have a role named validate, it does not necessarily give validate entitlement

Role determines which cloud service you can consume

Team Management – 3 Ways

1-Project Template

Register a project

Project information — Pick template — Configure template

Templates

- Bentley project template
- Bentley project template
- Organization project template

☒ Standard ProjectWise template **DESIGN**

☐ Tech preview: desktop sync with microstation 2024 **DESIGN**

Document settings

Select default file storage for new Office 365 document co-authoring session:
Organization default (Martynas prod SharePoint site)

Automatic user sync status: Not started **Synchronize now**

Connection name

- ☒ US-72 & AL-101 **PRIMARY**
- ☐ Documents

Edit connection

Connection name: US-72 & AL-101

Server URL: https://decide-pwce-us-ws.bentley.com/ws/v2.8/

Datasource: Bentley.PW--decide-pwce-us.bentley.com~3Adecide-pwce-us-02

Work area:

Description:

☒ Primary connection ⓘ

☐ Can be synchronized with ProjectWise Drive ⓘ

User sync

- ☒ Add work area participants to project on access ⓘ
- ☒ Automatically synchronize work area participants to project ⓘ

Update

2 – Bulk Upload

+ Create

Manage project details

Home

Work

Documents

Deliverables

iModels

Dashboard

Manage your team

PDF settings

Inspections configuration

Cost Codes configuration

Manage forms

Reality management

Document settings

User management

Users Roles

+ Add Manage roles Remove

Bulk actions Search...

Download users (.csv) Import users

<input type="checkbox"/>	Name	Email	Role(s)	
<input type="checkbox"/>	> Owners (5)			
<input type="checkbox"/>	Anderson Mancebo	Anderson.Mancebo@bentley.com	ADMINISTRATOR TEAM MEMBER	Bentley Systems Inc
<input type="checkbox"/>	Arpit Prakash	Arpit.Prakash@bentley.com	VALIDATE	(Unaffiliated)

Import users

Choose a file to upload.

Max upload 1000 rows. One email and role per row.

☐ Send welcome email to all the added team members.

[Download CSV template file](#) **Upload** **Cancel**

3- Synch Users

Select default file storage for new Office 365 document co-authoring session:
Organization default (Martynas prod SharePoint site)

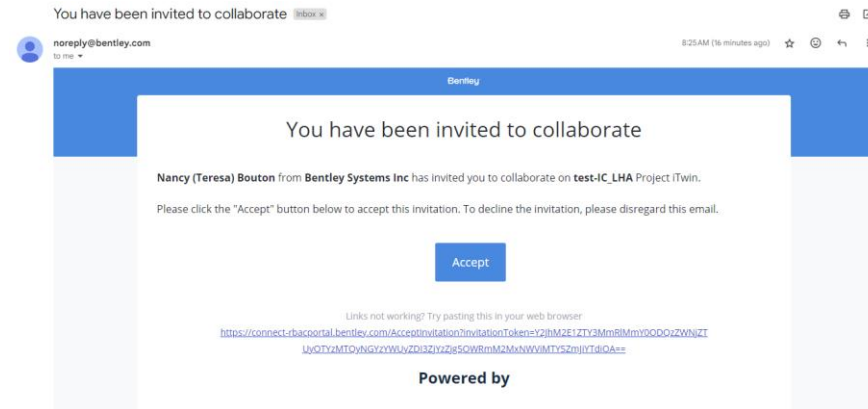
Automatic user sync status: Not started **Synchronize now**

New connection

Invitation to External Client as a Team Member

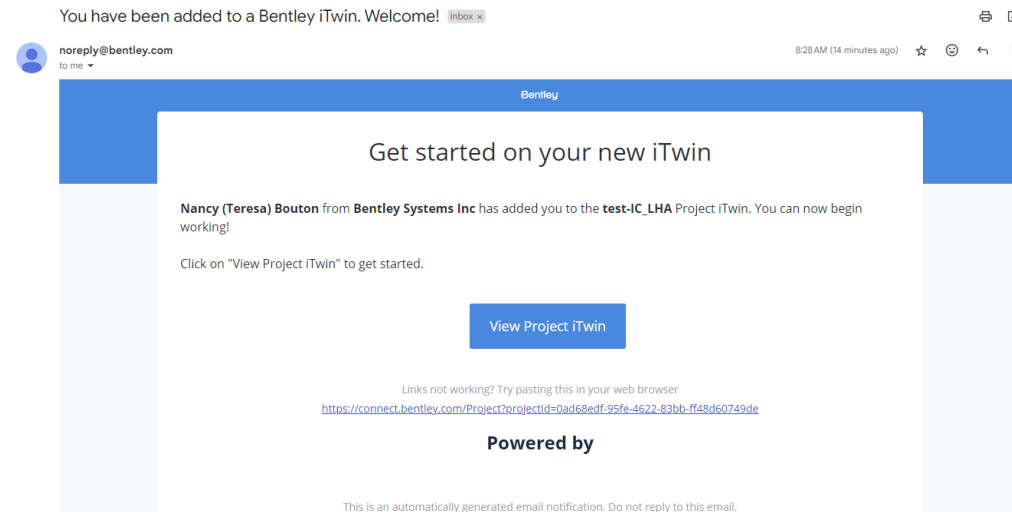
Invitation to collaborate

— 1st email

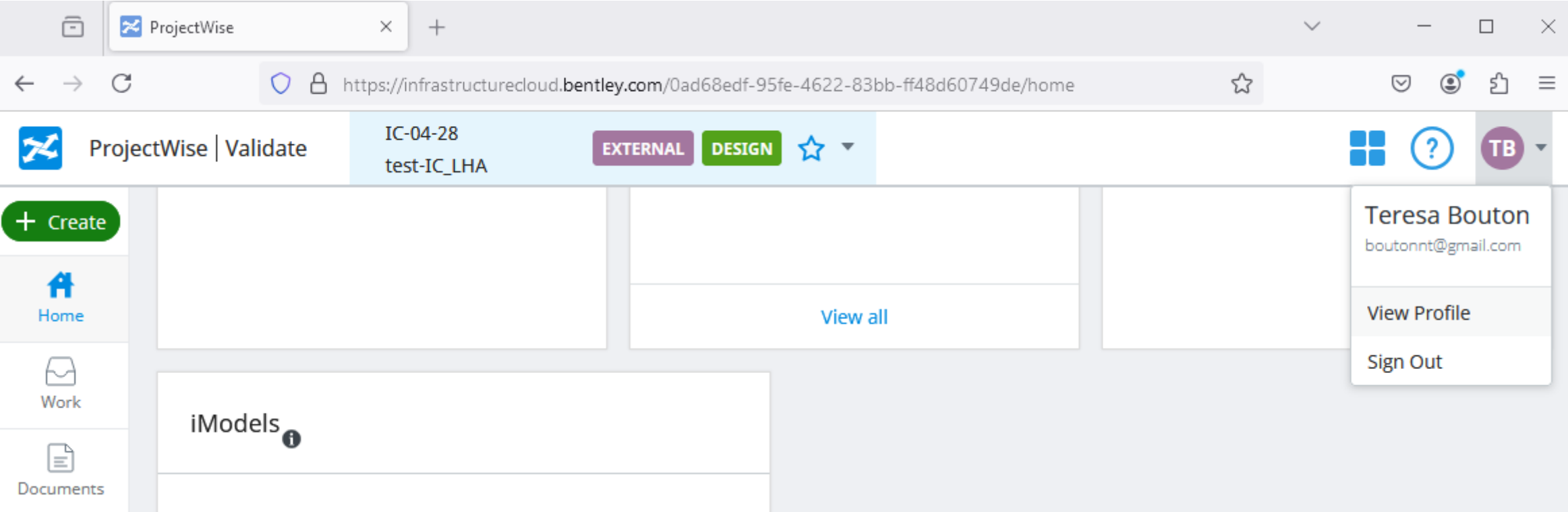


Invitation to collaborate

— 2nd email

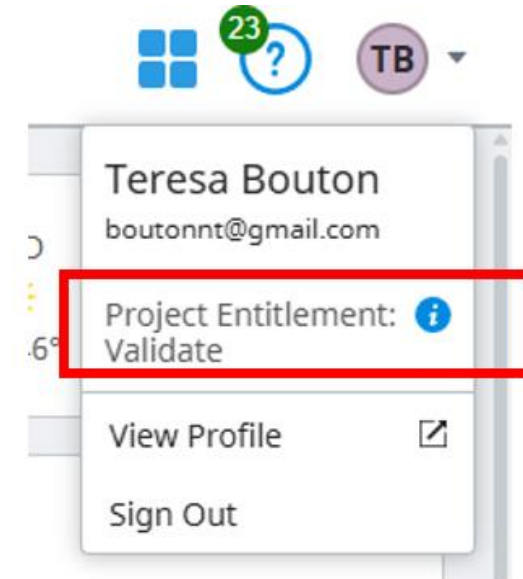
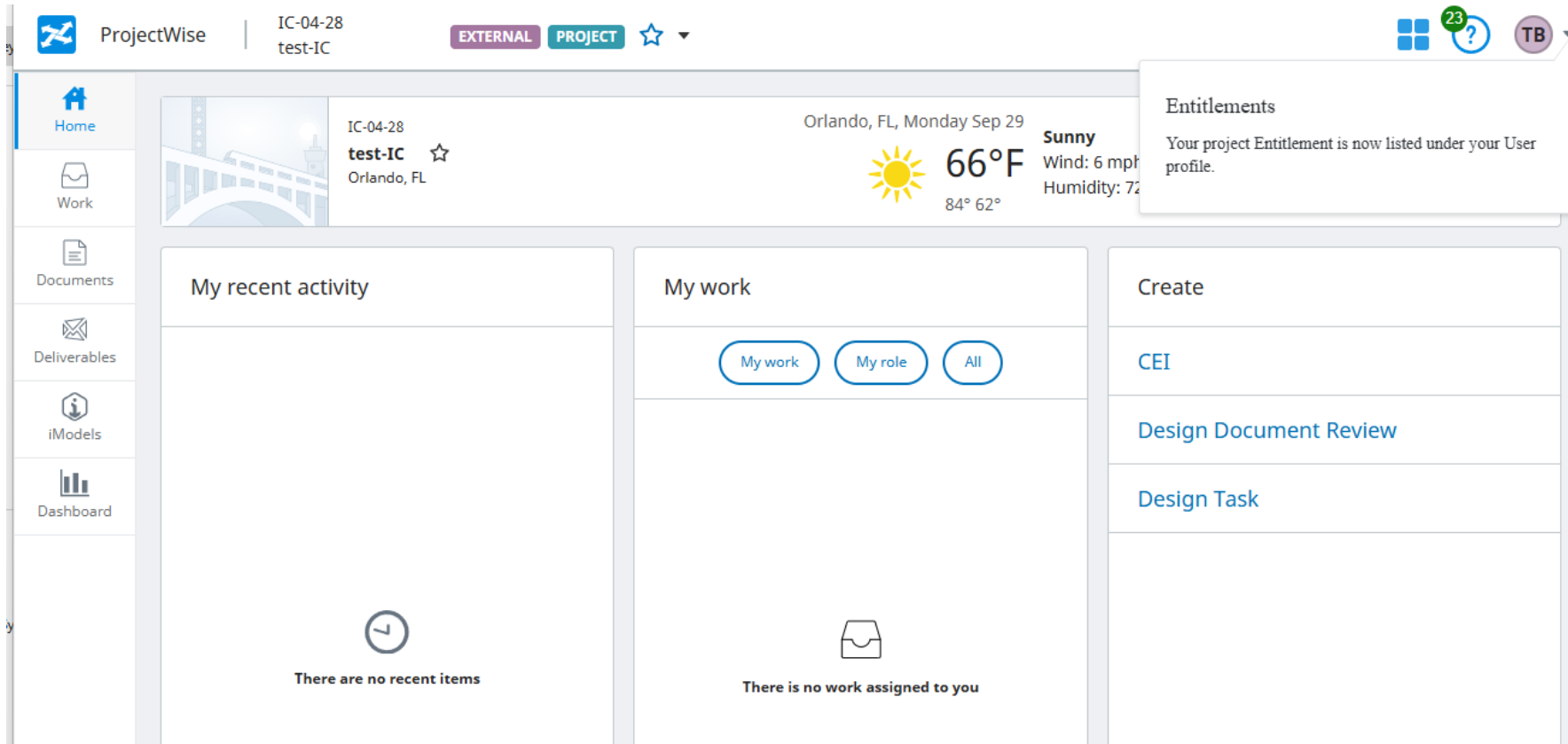


External Client as Team Member



External Client as Team Member

You will show as External User but will have the access of the Owners Project and Services in the Portal Project



External Client as Team Member

- User can access your Work Area if they have an account in ProjectWise

The screenshot displays the ProjectWise web interface. At the top, the header includes the ProjectWise logo, a user profile 'IC-04-28 test-IC', and role indicators 'EXTERNAL' and 'PROJECT'. A notification badge shows '23'.

The left sidebar contains navigation icons for Home, Work, Documents (selected), Deliverables, iModels, and Dashboard.

The main content area is divided into tabs: Documents, Plan set, Specification, and Components. The 'Documents' tab is active, showing a tree view of the '269-Final' project folder. The tree includes 'Out to me', 'Civil', 'Images', 'Survey', 'Titleblock, key maps, etc', 'Global searches', 'Personal searches', and 'Documents'.

Below the tree, a table lists the contents of the '269-Final' folder. The table has columns for Name, File Name, Description, and Version.

	Name	File Name	Description	Version
<input type="checkbox"/>	01_G		Titleblock, key maps, etc	
<input type="checkbox"/>	03_V		Survey	
<input type="checkbox"/>	05_C		Civil	
<input type="checkbox"/>	Images			
<input type="checkbox"/>	0269 Sheet Index.xlsx	0269 Sheet Index.xlsx	0269 Index.xlsx	
<input type="checkbox"/>	1900365-269_C-DT001-GENERAL	1900365-269_C-DT001-GENER...	GENERAL STD COH DETAILS	
<input type="checkbox"/>	1900365-269_C-DT003-PAVING...	1900365-269_C-DT003-PAVING...	STREET PAVING AND SIDEWA...	
<input type="checkbox"/>	1900365-269_C-DT004-WATER	1900365-269_C-DT004-WATER....	WATER STD COH DETAILS	
<input type="checkbox"/>	1900365-269_C-KM007-LAYOU...	1900365-269_C-KM007-LAYOU...	0269 overall layout map	
<input type="checkbox"/>	1900365-269_C-PLOT.dwt	1900365-269_C-PLOT.dwt	1900365-269_C-PLOT.dwt	
<input type="checkbox"/>	1900365-269_C-PP-01_RICHMO...	1900365-269_C-PP-01_RICHM...	Richmond Street Sheets	

External Client as Team Member

- User can see all of the Deliverables Management packages if their role allows access to Deliverables management

ProjectWise

IC-04-28
test-IC

EXTERNAL

PROJECT

23

Home

Work

Documents

Deliverables

iModels

Dashboard

Deliverables Management

ProjectWise Deliverables Management

Incoming (2)

Outgoing

Drafts

Acknowledge selected

Show all types

Search

Show assigned to

External Client as Team Member

- User can markup your pdf's

Deliverables management

Back

RD11TS5W.pdf

Response pending

Send response

47%

All Changes Saved

View

Annotate

Shapes

Insert

Measure

Fill and Sign

APPROVED

REV 06-15-2021: REVISED SUPERELEVATED SECTION, REMOVED GENERAL NOTE ② AND ADJUSTED LOCATION OF GENERAL NOTE ③. NO. 5. ADDED GENERAL NOTE ④. REVISED PURPOSE NOTE. ADDED SHOULDER INFORMATION IN TABLE A.

APPROVED

TANGENT SECTION

SUPERELEVATION SECTION

PURPOSE

DESIGN NOTES

TABLE I FREEWAY - DESIGN STANDARDS ⑤

Search markups

Markups (1)

Sort: Position

Page 1

Teresa Bouton

09/09/2024

SUB-00002 stamp

Assigned To: Teresa Bouton

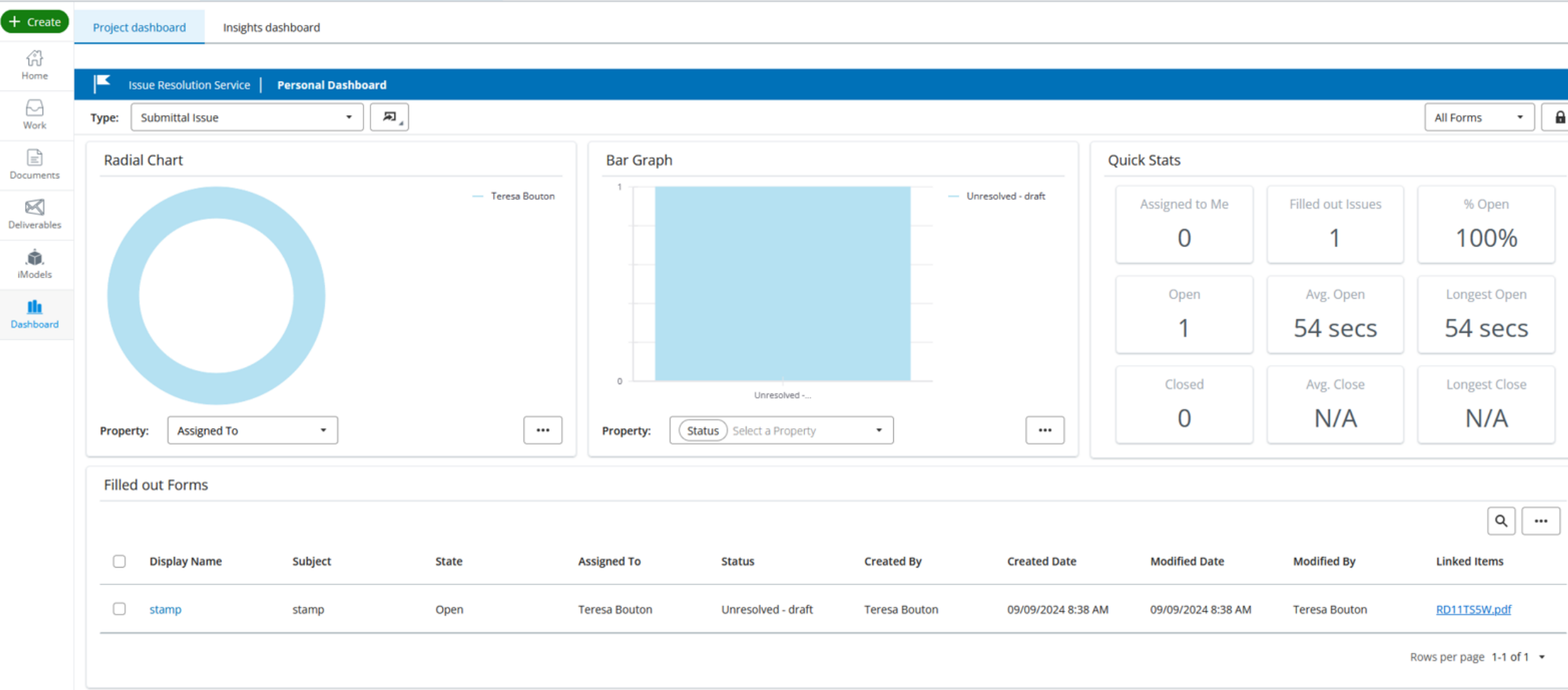
Due: 09/12/2024

Unresolved - draft

Add reply...

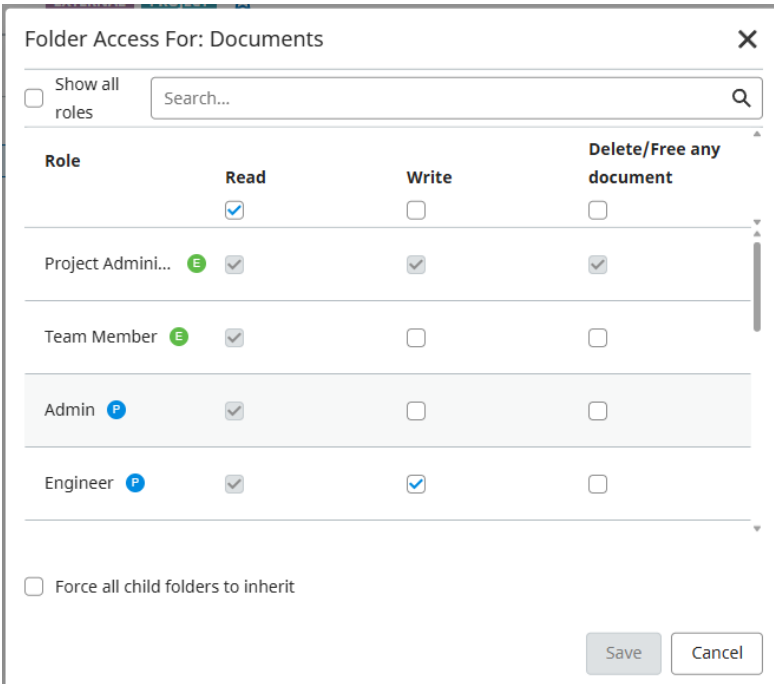
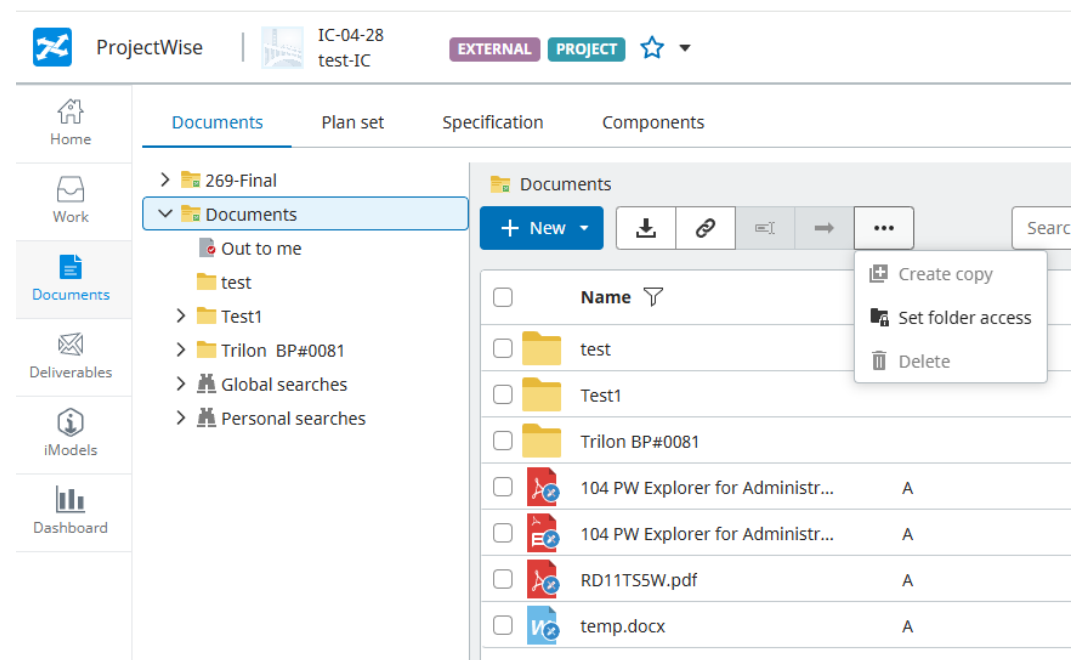
External Client as Team Member

- User can access your Dashboards



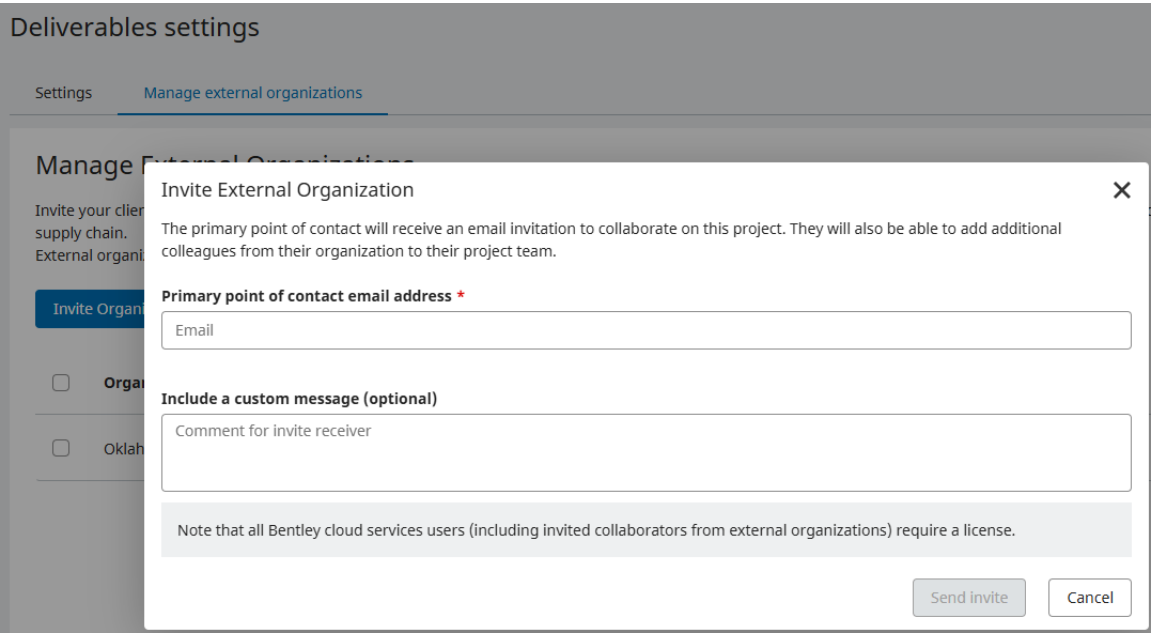
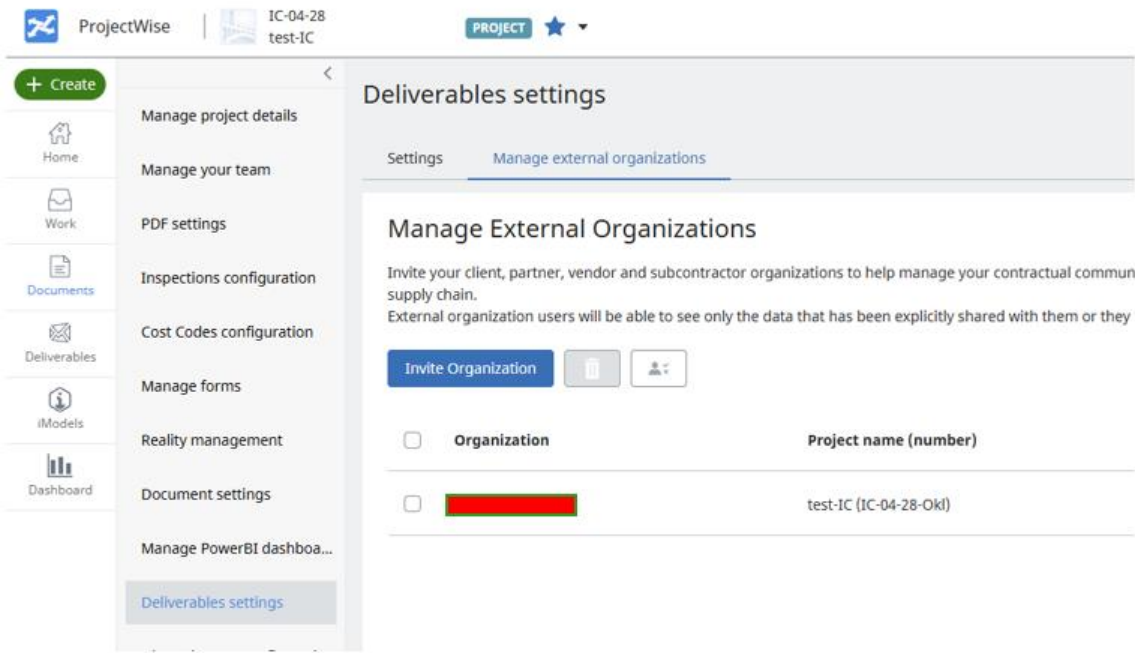
External Client as Team Member

- Set Folder access in Documents area



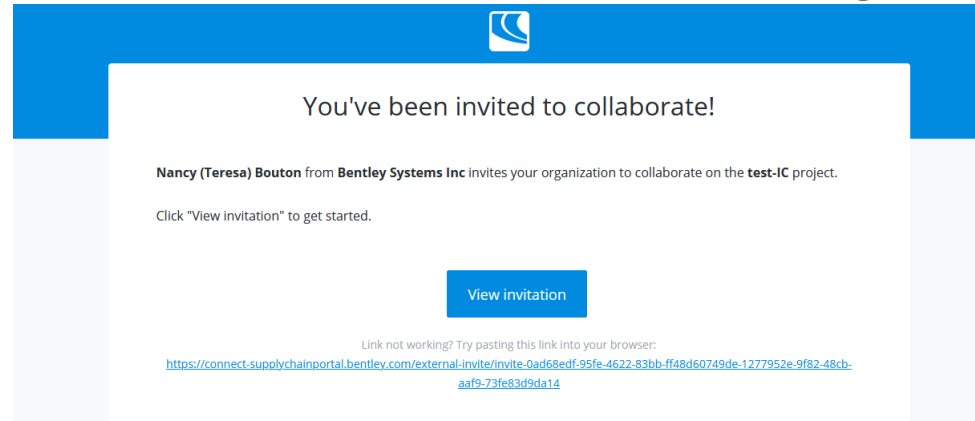
Make sure that permissions have been added to the Documents folders so Team Members can access them

Invite External Organization – Moved Back to Deliverables Management

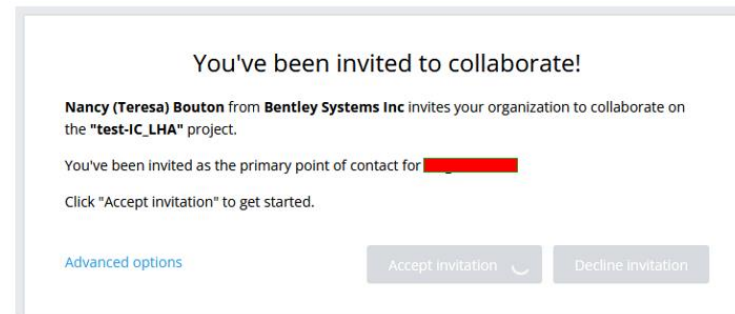


Invite External Organization

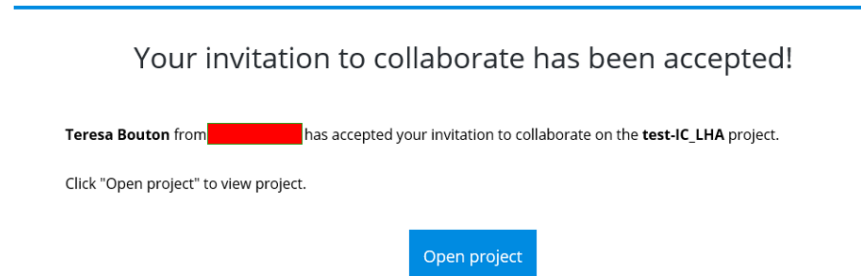
- Email invitation sent to External Client Organization



- External Client now Selects View Invitation



- You also get notification of External Client acceptance




Invite External Organization

- My Organizations initials are added to Project name in my Portal. I must have Validate Entitlement for the acceptance and creation of this Project in my Organizations portal

The screenshot displays the ProjectWise user interface. At the top, the ProjectWise logo is on the left, and a header bar shows the project ID 'IC-04-28' with a red status indicator, the name 'test-IC_LHA', and a 'DESIGN' button with a star icon. Below the header, a sidebar on the left contains navigation links: '+ Create', 'Home', 'Work', 'Documents', 'Deliverables', 'iModels', and 'Dashboard'. The main content area is divided into several sections. On the right, a weather widget shows the date 'MONDAY, SEP 9' and a temperature of '52°F' with a 'Sunny' forecast, followed by a 5-day weather outlook. Below this, a 'Create' section lists 'Design Document Review', 'Design Issue', and 'Design Task'. The central part of the dashboard features three large panels: 'My recent activity' (empty, with a clock icon and text 'There are no recent items'), 'My work' (empty, with a folder icon and text 'There is no work assigned to you'), and 'iModels' (empty, with a shield icon). At the bottom right, a 'Summary' section shows four metrics: '0 All open items', '0 Open Clash', '0 Open Reviews', and '0 Open Issue'. A user profile dropdown on the far right identifies the user as 'Teresa Bouton' with the email 'boutonnt@gmail.com' and options for 'View Profile' and 'Sign Out'. The Bentley logo is visible in the bottom right corner.

Invite External Organization

- Invited as External Organization creates my own Project (iTwin) in my Organizations portal and allows me to add my own Team members. I can't see anything in the Owners Portal that invited me, but this allows me to communicate and send and receive Deliverables to the Owners

ProjectWise

IC-04-28
test-IC_LHA

DESIGN

☆

+ Create

Home

Work

Documents




Deliverables

iModels

iTwin user management

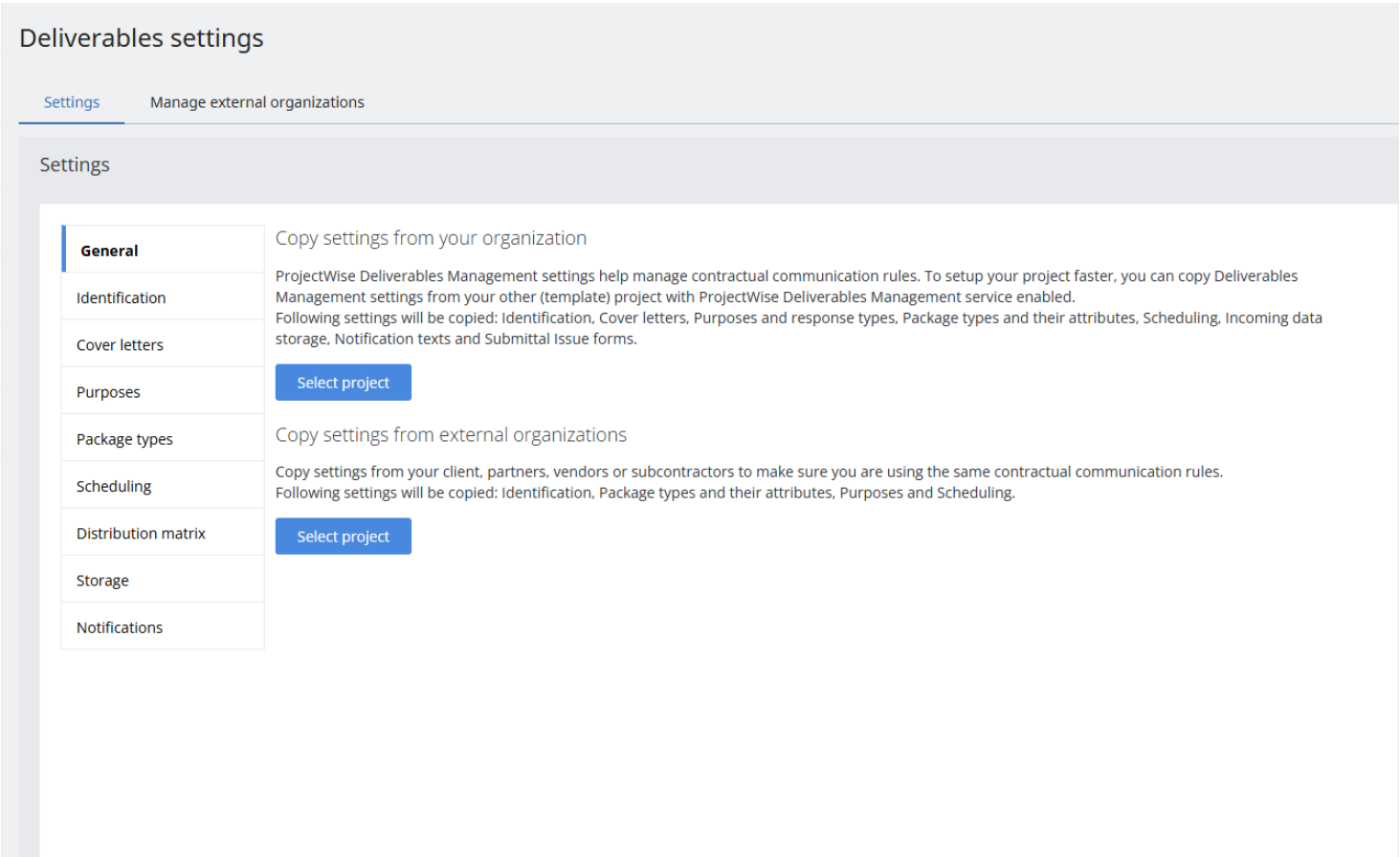
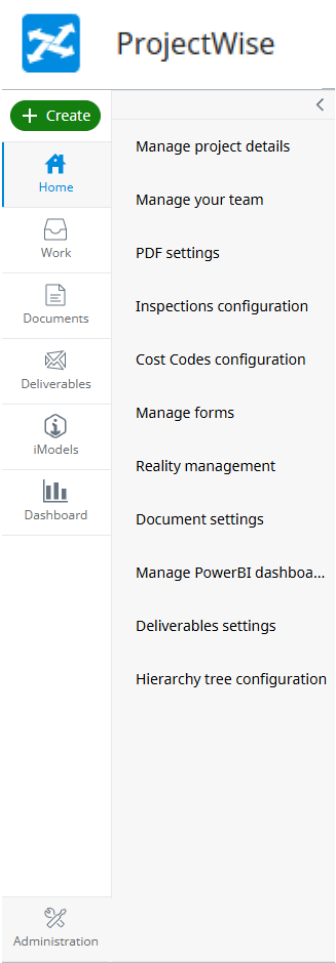
UsersRoles

+ Add users



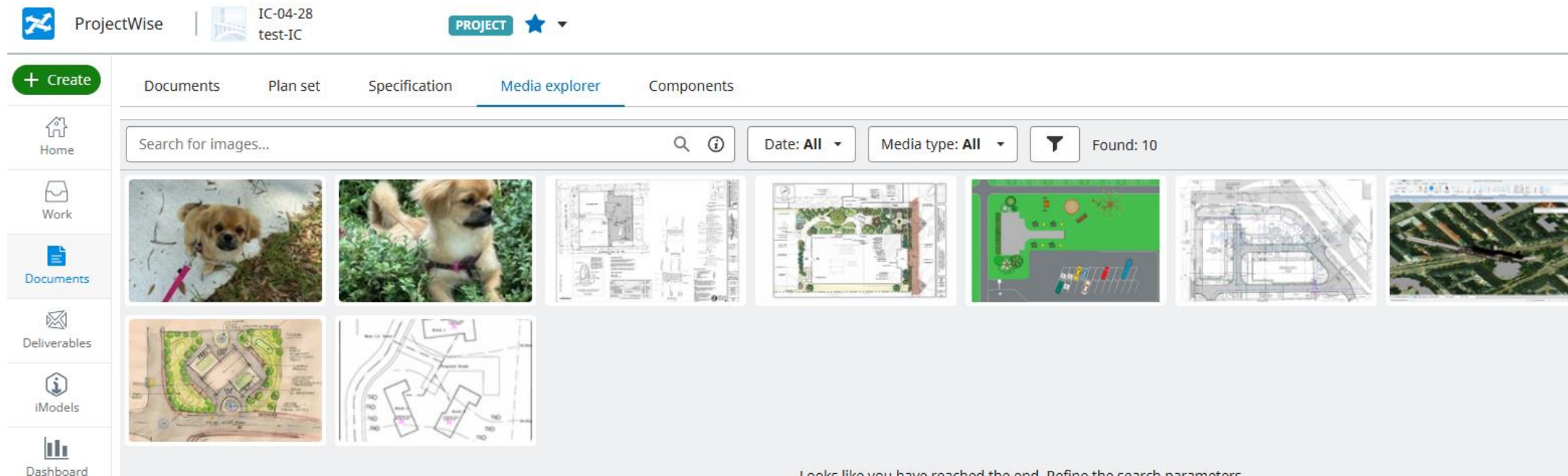
<input type="checkbox"/>	Name	Email	Role(s)
<input type="checkbox"/>	▼ Owners (1)		
<input type="checkbox"/>	Teresa Bouton	boutonnt@gmail.com	ITWIN OWNERPROJECT ADMINIST...TEAM MEMBER

Invite External Organization



Media Explorer

Media Indexing – Search photos in the Documents folder intelligently, enter text name of photo to find it, because we use AI technology behind scenes, it extracts information from the photo. This only works for photos stored in Documents folder provided in the Project, not in ProjectWise Explorer. These files are images downloaded from a web browser



Media Explorer

- These files are images downloaded from a web browser, running a search will extract text and the extracted text is displayed.

Media Indexing – Search photos in Project intelligently enter text name of photo to find it, because we use AI technology behind scenes, it extracts information from the photo. This only works for photos stored in Documents folder provided in the Project, not in PWDI

Commercial-site-plan-1060193940.jpg

Download

File name
Documents/.../Commercial-site-plan-1060193940.jpg

Description
Commercial-site-plan-1060193940.jpg

Photo uploaded date
Sep 13, 2024, 10:04:05 AM

Photo taken date
-

Source
-

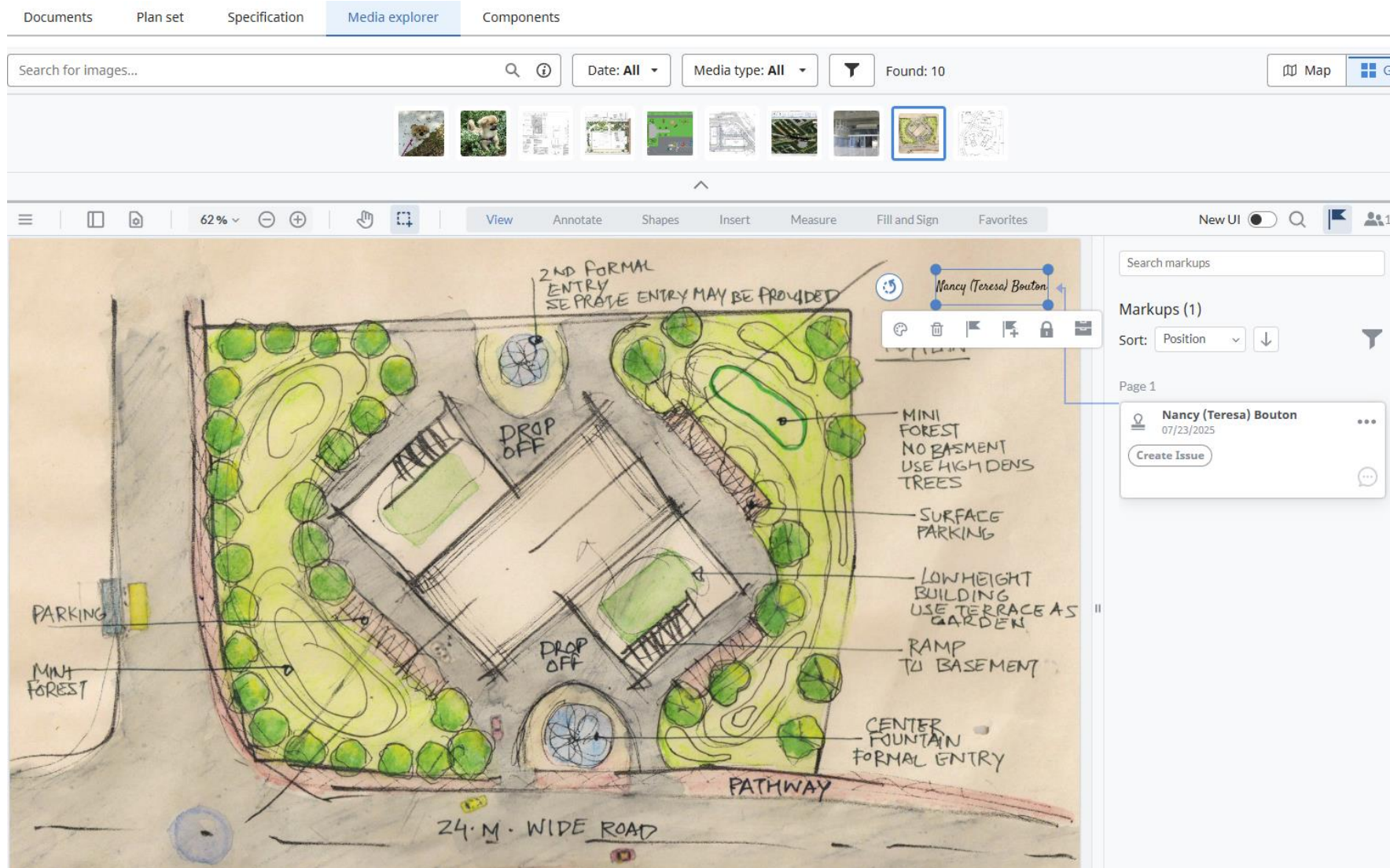
Automatically detected description
diagram

Automatically detected categories
text map diagram plan tower crane

Automatically extracted text
18 - DWARF BOXWOOD
REVISIONS
BY
6"OC-9" HT
ANNUAL FLOWERS
1 - HERITAGE RIVER BIRCH
18 - DWARF BOXWOOD
1 - BOXWOOD - 15" HT
NORIE
PACHYSANDRA
1 - BOXWOOD - 24" HT
1 - BOXWOOD - 24" HT
5 - NATIVE RHODODENDRON
1 - BOXWOOD - 15" HT
ANNUAL FLOWERS
ANNUAL FLOWERS
4'
8'
12'
3 - ENDLESS SUMMER
18 - DWARF BOXWOOD
5 - GREEN GIANT ARBORVITAE
HYDRANGEA

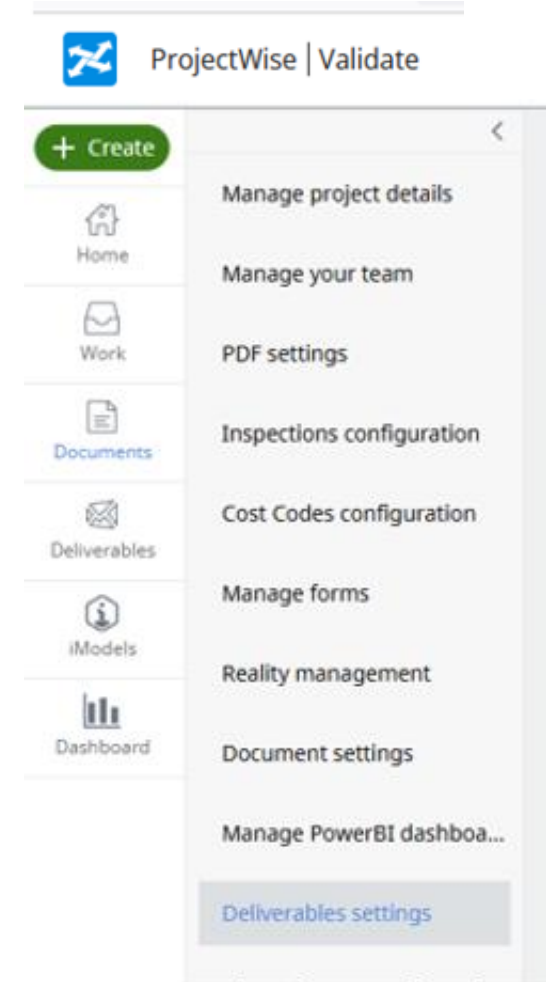
Media Explorer Markup

- These images are now able to use Markup technology. You are also able to create Issues and assign to team members as part of your workflow



Services Available in the Infrastructure Cloud Portal

- Create Connection to ProjectWise Work Area
- Create and Modify Existing Forms – View Workflow, Edit Transitions, Modify existing Transitions
- Project Dashboards
- Insights Dashboards (Being Deprecated)
- PowerBI dashboards
- Components Center
- Deliverables Management
- Web Connections
- PW Drive
- iTwins Design Review
- Media Explorer Markup



Services Available in the Infrastructure Cloud Portal

- Create Connection to ProjectWise Work Area

+ Create

Home

Work

Documents

Deliverables

iModels

Dashboard

Manage project details

Manage your team

PDF settings

Inspections configuration

Cost Codes configuration

Manage forms

Reality management

Document settings

Manage PowerBI dashboa...

Deliverables settings

Hierarchy tree configuration

ProjectWise

IC-04-28 test-IC

PROJECT

Document settings

Select default file storage for new Office 365 co-authoring sessions ⓘ
Organization default (OneDrive for Business)

☐ Document name link initiates Office 365 co-authoring session

Automatic user sync status: Last synchronized by Teresa.Bouton@bentley.com from "269-Final" on 9/28/2025, 09:42 PM

Synchronize now

New connection

Connection name ⓘ	User sync ⓘ	Datasource ⓘ	Work area
<input checked="" type="checkbox"/> 269-Final PRIMARY	Automatic	ps-na-pw.bentley.com:ps-na-pw-35	269-Final
<input type="checkbox"/> Documents		N/A	N/A

Edit connection

Connection name
269-Final

Server URL
https://ps-na-pw-ws.bentley.com/ws/v2.8/

Datasource
Bentley.PW-ps-na-pw.bentley.com-3Aps-na-pw-35

Work area
269-Final

Description
ps-na-pw.bentley.com:ps-na-pw-35

☒ Primary connection ⓘ

☒ Can be synchronized with ProjectWise Drive ⓘ

User sync

☒ Add work area participants to project on access ⓘ

☒ Automatically synchronize work area participants to project ⓘ

Update

Cancel

Services Available in the Infrastructure Cloud Portal - Forms

Create and modify Forms

View workflow

Add Workflow Transitions

Modify existing Workflow Transitions

Forms manager

General forms

+ New Change status

	Icon	Form definition	Prefix	Type	Status	Created	Last modified	Workflow	PDF export	Filled
<input type="checkbox"/>		Clash	CLA	Clash	Published	Jun 15, 2024, 1:...	Jun 15, 2024, 1:47 ...	Disabled	Standard	0
<input type="checkbox"/>		Design Document Review		Review	Published	Jun 15, 2024, 1:...	Jun 15, 2024, 2:00 ...	Enabled	Standard	0
<input type="checkbox"/>		Design Issue		Issue	Published	Jun 15, 2024, 1:...	Jun 15, 2024, 1:53 ...	Enabled	Standard	0
<input type="checkbox"/>		Design Task		Task	Published	Jun 15, 2024, 1:...	Jun 15, 2024, 1:47 ...	Enabled	Standard	0

Set workflow Set permissions

Color Transition buttons Actions

Approve (moves to "Approved")

Reject (moves to "Rejected")

Void (moves to "Voided")

Send back (moves to "Draft")

Complete (moves to "Complete")

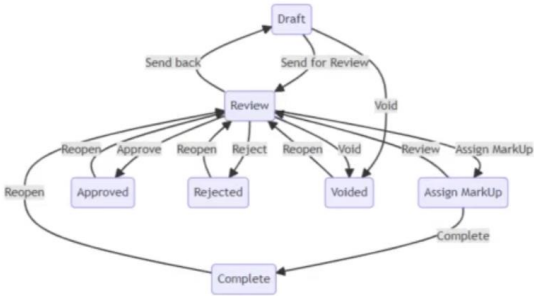
Review (moves to "Review")

Reject (moves to "Rejected")

Void (moves to "Voided")

Send back (moves to "Draft")

Complete (moves to "Complete")



Edit Transition Button

Name

Transition Name

Status Transition

Review

Permissions

Property Assignments

Notifications

Conditions

Approvals

Advanced

Permissions which can use this transition?

None

View

Comment

Create

Modify

Assign

Approve

☐ Assigned User of the form may use this transition regardless of their permissions

Send back

Status Transition

Review

Permissions

Property Assignments

Property

Notifications

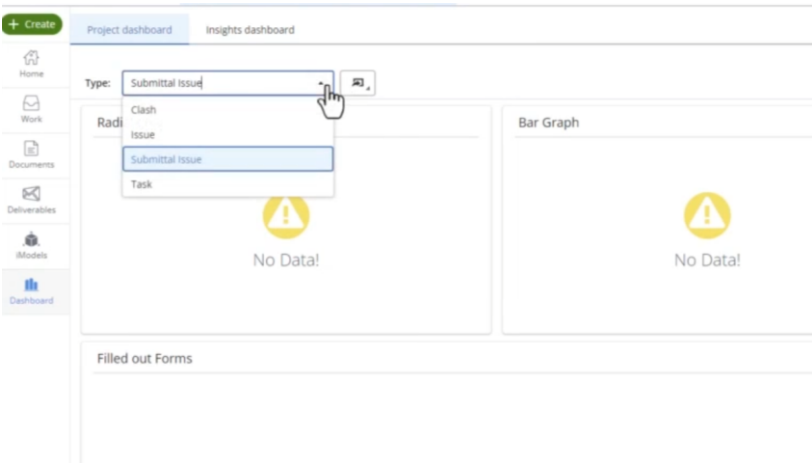
Conditions

Approvals

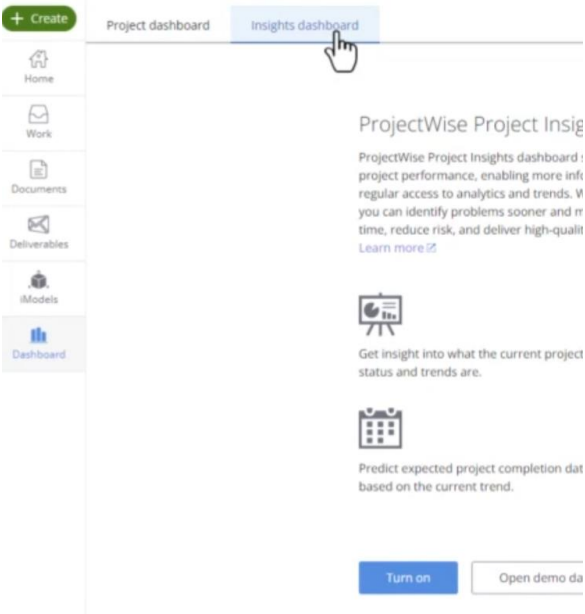
Advanced

Services Available in the Infrastructure Cloud Portal - Dashboards

Project Dashboard

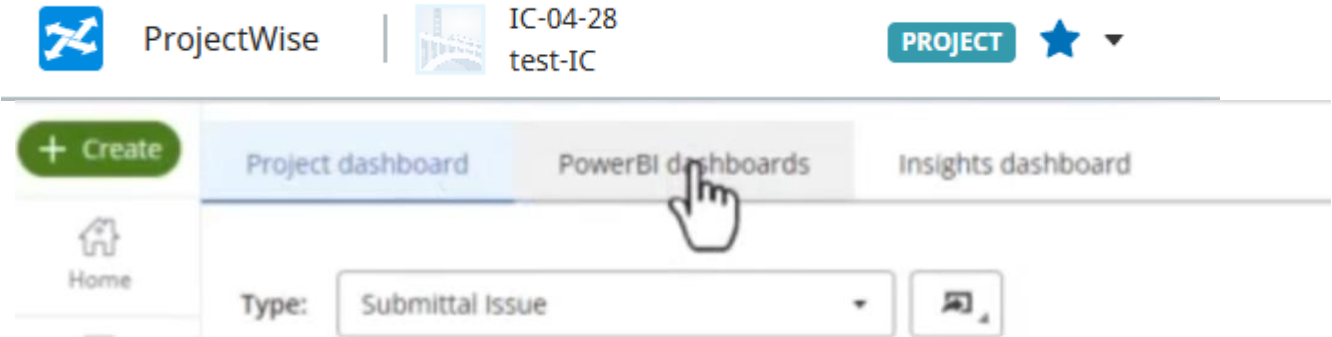
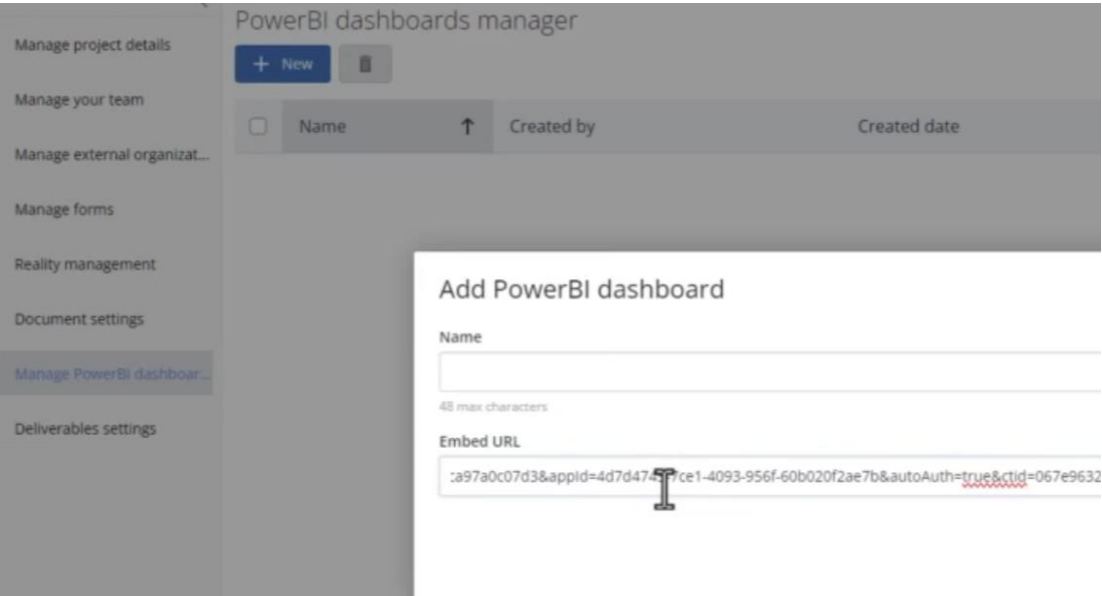
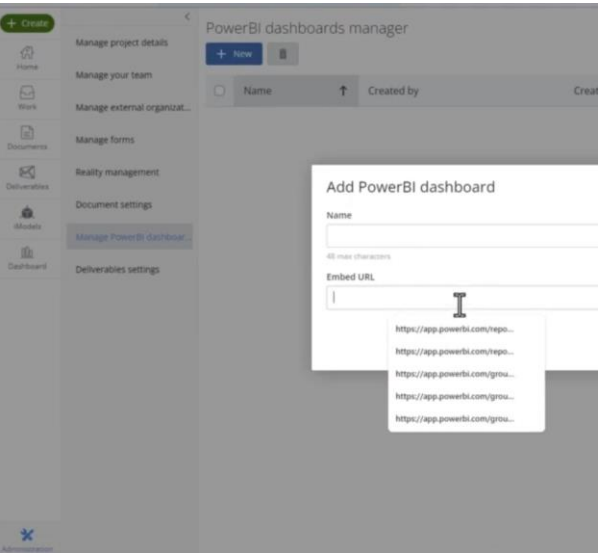


Insights Dashboard



Services Available in the Infrastructure Cloud Portal - Dashboards

PowerBI Dashboards



Services Available in the Infrastructure Cloud Portal - Components

Components, click enterprise on the right and select components

Infrastructure Cloud

Home > Enterprise services > Components Center

Catalogs

209 Matching items

0 Selected

00 Microstatio...

000 & Test1

000HG111

000_Test_HG

01 - Checked

01 - Upload

02 - Highway ... United States

03 - Scottish ...

03 - Severn T...

03 - Wessex W...

11

2023.11.16.1

ABB Power Cir...

AI Libraries

Ansi b18.2.2(09)

APAC-SNZ-CC... ANZ

Asset 1

AURECON

Azure SDK

Bentley

Bentley - Bridge

Bentley - Build... United States

Bentley - D...

Bentley - Plant

Bentley - Rail

Bentley - Road

Bentley - Site

Bentley - Traf...

Bentley - Tunn...

Bentley - Visu...

AURECON

No tags applied

Manage

View components

Set as default

Shared with projects (0)

Share

Share Catalog(s)

My Projects

Recent

Search

ProjectWise Projects

Project Number	Project Name
<input checked="" type="checkbox"/> 258002	BIC PoC #2
<input type="checkbox"/> 25800	US-72 & AL-101
<input type="checkbox"/> Q2 2021 Demo Civil ORD	Q2 2021 Demo Civil ORD
<input type="checkbox"/> Synchro PoC	Synchro PoC
<input type="checkbox"/> 110358	MatrixStation_FCN116/FSLBP/6K

Share

CONNECT Upgrade to Infrastructure Cloud

Introduction:

A path from CONNECT projects to Infrastructure Cloud Projects

Administrators can now move CONNECT projects to Infrastructure Cloud, thus allowing users to take advantage of One Web Experience

Business value: Coherent UX leading to productivity gains

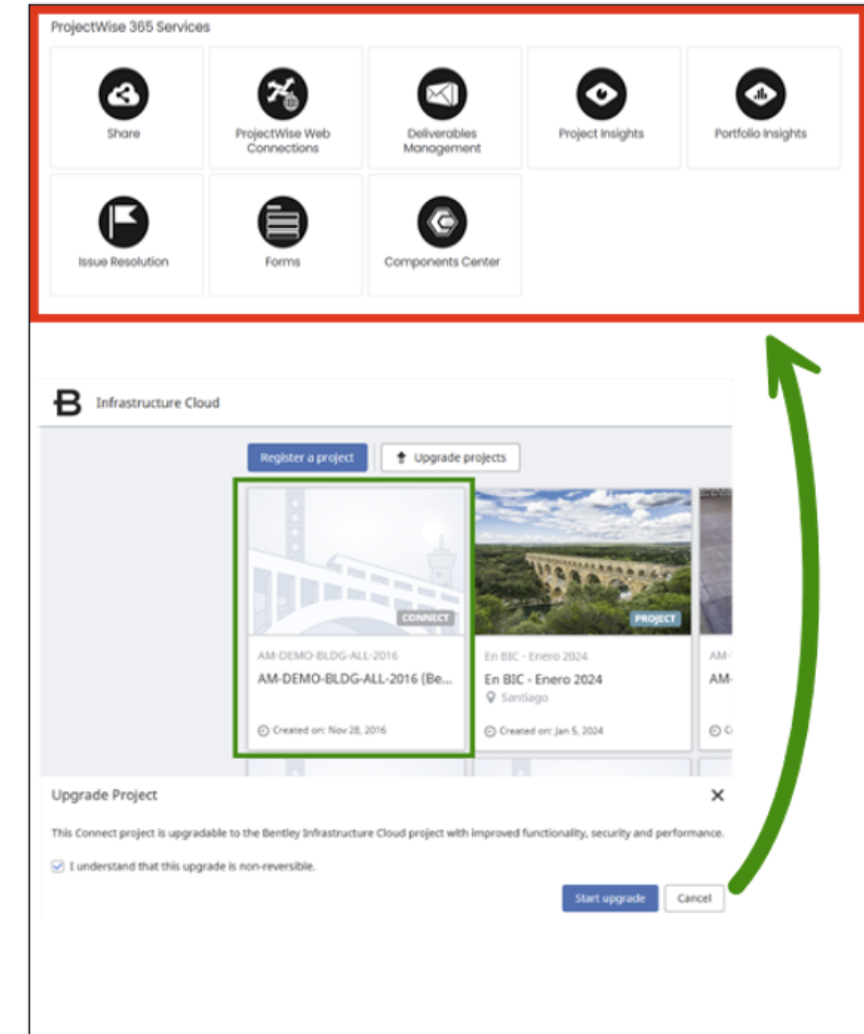
- **Improves Efficiency:** IC allows users to leverage workflow-based UX vs CONNECT where users need to figure out which service they must open to do their job.
- **Coherent UX:** By moving CONNECT projects to Infrastructure Cloud, everyone will have the same Web Experience, saving time, money and confusion.
- **Why Now:** Infrastructure Cloud is the go forward “One Web Experience” and the gateway to adopt and benefit from model-driven workflows and the ever growing set of capabilities

Key capabilities:

- Upgrades CONNECT projects with Work Area Connections, Deliverables Management, Forms and iModels, to Infrastructure Cloud
- Very fast and easy way for users to move their active CONNECT projects to Infrastructure Cloud
- **Only Administrators and Project Owners can Upgrade projects (currently in EAP).**

Key Customers who asked for (validated) this:

- Hatch, United Utilities, Kansas DOT, MHW Treatment, Siemens, HNTB, etc
- From Hatch: “this EAP will work perfectly for our needs”



Enhanced Design and Construction Workflows

Enhanced Design and Construction Workflows

for Design projects

We are excited to announce enhanced design and construction workflows available now in the Infrastructure Cloud. These enhancements will help engineering and construction teams work better together across project phases and meet the growing demands and complexities of infrastructure project delivery.

[4D iModel Creation](#)

[PDF Settings](#)

[Inspections Module](#)

[Hierarchy Trees](#)

[Cost Code Configuration](#)

You'll notice that all "Design" projects are now listed as "Project" under "Type of Project." This change will not affect any of your project data. Please note, these enhancements must first be configured by administrators.

Enhanced Design and Construction Workflows, continued

- 4D iModel creation: A 4D iModel is where you add a fourth dimension of time, or your project schedule, to a 3D model. These enhancements will allow you to incorporate a 4D schedule into your iModel using an SP file generated by SYNCHRO Pro (**v6.5 or later**). *Please note that a [SYNCHRO 4D](#) entitlement is needed to create and edit the SP file.*
- PDF Plan Sets: You will now be able to upload plan sets for your projects and with the PDF Settings, create individual PDF sheets from the plan set. This enhancement enables you to input data for each sheet, create updated versions of a sheet, and compare between versions of a sheet or against other sheets.
- Inspections Module: The Inspections module will allow you to create inspection form definitions and a pay item structure in a configuration file that can be uploaded through the Inspections Configuration page. Once the configuration is completed, the form definitions will be added and available for editing through the Forms Manager or by creating Inspection Instances from the form definitions.
- Hierarchy Tree Configuration: When an Inspection Configuration file is uploaded, a hierarchy tree will be created. The Hierarchy Tree Configuration allows an administrator to manage items in the hierarchy tree. Items can be added or removed using the controls on the side panel or by importing an Excel configuration file.
- Cost Codes Configuration: The Cost Codes Configuration module, previously only available in SYNCHRO Control, will allow you to set up cost codes, download sample files, template files, and rules and formulas for creating cost codes. *Please note that SYNCHRO Modeler is needed to assign cost codes.*

Our Colors

CMYK | RGB | WEB | PMS

The Bentley color palette has been carefully crafted and has evolved to convey the ideas of a stable, professional, technical, and modern software company. The use of the colors represents the overall brand and maintains a sense of consistency throughout Bentley's marketing.

Bentley Black

RGB 26, 26, 26

WEB 1A1A1A

Bentley White

RGB 255, 255, 255

WEB FFFFFFFF

Bentley Green

RGB 68, 214, 44

WEB 44D62C

Pantone 802 C

Bentley Grey

CMYK 0, 0, 0, 30

RGB 188, 190, 192

WEB bcbec0

Bentley Med Blue

CMYK 81, 38, 0, 0

RGB 20, 134, 200

WEB 1485c7

Bentley Orange

CMYK 0, 70, 97, 0

RGB 243, 112, 36

WEB f37024

Bentley Grey

WEB d1d3d4

Bentley Grey

WEB e6e7e8

Bentley PowerPoint Resources (hyperlinked)

All can be found on [Branding Portal](#)

PowerPoint Support Graphics Library

Inventory of graphics aligned with Corporate messaging, which should be proliferated in our presentations for consistency in how we communicate storylines. These graphics are also designed as PowerPoint objects to provide flexibility for color changes as needed.

Pre-made Slide Layouts

Some pre-designed slide layouts for some of the more common use cases (be sure to check the presenter notes for more details on each slide).

Industry Divider Slides

These are now hosted as a separate file to keep this main template simplified and a smaller file size.