

ThorApps Online Services

No nonsense tools, apps and add-ons for SharePoint

Project Sync Service Activation Guide

Author: Michael Bear Date: 06 Oct 2018 Version: 1.1



Overview

Follow this guide to understand how to add the ThorApps Project Sync Service to a PWA site collection. Note, Project Sync Service cannot be installed on to a non-PWA site collection.

If you are an experienced user, you could complete the steps in less than 10 minutes. If it's your first time, maybe 30 minutes to an hour.

In this guide you will...

- 1. Create a Sandpit PWA site collection
- 2. Add the Project Sync Service Apps to the PWA site collection

Prerequisites

To follow this guide, you will need access to the following:

- An O365 tenant
- Access to Administer SharePoint Online in the O365 tenant
- An understanding of basic SharePoint terminology and navigation





Create a Sandpit site collection

Using the steps described in the Installation Guide, navigate to the "SharePoint admin center". Click "site collections".

Click "New".

Click "Private Site Collection with Project Web App".



Create a new PWA site collection called "SandpitWithPWA".

private site collec	ction with project web app	×
Title	SandpitWithPWA	
Web Site Address	https://thorappsprojdevpaid.sharepoint.com /sites/ /sites/	
Language Selection	Select a language:	
Time Zone	(UTC+09:30) Adelaide	
Administrator	Adrian Bear:	
Server Resource Quota	300 resources of 1190 resources available	
	OK Cancel	

Click "OK" and wait for SharePoint to complete the operation.

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SharePoint admin ce	nter		
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bcs	Contribute Manage Restore		
term store	Search by URL 🔎	.00 TB available of 1.00 TB 890 resources available	9992 PWA instances available
	URL	STORAGE USED (GB)	SERVER RESOURCE QUOTA
records management	https://thorappsprojdevpaid.sharepoint.com	0.00	100
search	https://thorappsprojdevpaid.sharepoint.com/portals/hub	0.00	0
cocura stora	https://thorappsprojdevpaid.sharepoint.com/search	0.03	0
secure store	https://thorappsprojdevpaid.sharepoint.com/sites/AppCatalog	0.00	10
apps	https://thorappsprojdevpaid.sharepoint.com/sites/SandpitWithPWA	0.00	300
sharing	https://thorappsprojdevpaid-my.sharepoint.com	0.00	0





Add the Project Sync Service App to the site collection

Open a new browser tab.

Enter the address of the newly created site collection (from the previous section). It should be a standard PWA site with no branding.



Click on the Gear/Cog icon in the upper right corner. Click "Site contents".

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Click "add an app".

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P	Site contents				Search this site 👻
Projects	Lists, Libraries, and other Apps				🖒 SITE WORKFLOWS 🛛 BETTINGS 🗄 RECYCLE BI
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🖌 EDIT LINKS	PWA Data Connections read 37 steps Modified 16 minutes ago	PWA Reports rest 204 items Modified 16 minutes ago	PWA Templates rewi 0 items Modified 16 minutes ago	Shared Documents 0 items Modified 17 minutes ago	5N/4 Library 3 Items Modified 10 minutes age
	Subsites				
	 new subsite This site does not have any subsites. 				

Click "Project Sync Service". Select your local language. Click "Trust It".





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	Your Apps	Find an app	Q			
	Apps You Can Add From Your Organization	Noteworthy				
1	Manage Licenses					
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1	SharePoint Store	Document Library	Custom Lis		Tasks	Site Mailbox
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L	Let it have read access	to enterprise resource	25.			
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Wait for the apps to be installed by SharePoint Online.

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III Office 365	Project				
P	Site contents				Search this site
Projects	Lists, Libraries, and other Apps				🍪 SITE WORKFLOWS 🛛 🧔 SET
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🖌 EDIT LINKS	PWA Data Connections rew 357 items Modified 27 minutes ago	PWA Reports new! 204 items Modified 27 minutes ago	PWA Templates rew 0 items Modified 27 minutes ago	Project Synch Service new! We're adding your app, click here to cance!	Shared Documents O tems Modified 28 minutes ago
	Style Library 5 items Modified 30 minutes ago				
	Subsites				
	 new subsite This site does not have any subsites. 				

Once installed, the "Project Sync Service" logos will be visible on the app tiles.

ThorApp's

Search this site Р 👎 Site contents Lists, Libraries, and other Apps SITE WORKFLOWS 🛛 🌣 SET Approval: Tasks Project Server Workflow Tasks Project Ser History ect Detail Pages Resource new! add an app 0 Reports 💉 EDIT LINKS PWA Data Co new! newl ed 28 minutes ago e Libri Subsites ⊕ new subsite This site does not have any subsites. Click "Next". Back to Site 🔸 ThorApps - Project Syr ThorApps - Project Sync Environment : Undefined Database Setup start Home This wizard will guide you through configuring 'ThorApps - Project Sync' on this site. Next

Click the "Project Sync Service" app tile to enter its setup wizard.





Enter details for your environment name (we recommend calling this environment DEV as it can be reused later.

Back to Site 🔸 ThorApps - Project Sync	
ThorApps -	Project Sync
Environment : Undefined Home	Environment selection ThorApps Online Services cater for multiple environments. You can create (for example) Development, UAT and Production environment divisions and use change management procedures to promote configuration changes through the environments. ThorApps App instances must be mapped to an Environment and different Apps within the same site collection must/will be mapped to the same Environment. Environment Add new
	Abbreviation (e.g. PROD) Full Name (e.g. Production)
	Preferred Data Centre Please select Email Address First Name Last Name Phone Number Previous Next
Click "Next".	
Back to Site ThorApps - Project Sync ThorApps -	Project Sync
Environment : Undefined Data	base Setup finish
Clickin wizard	g 'Finish' will create a back ground job to setup an environment as you have specified using this Previous Finish
Click "Finish" and wait for	it to provision back-end components (an Azure SQL data

Back to Site	ThorApps - Project Sync
	ThorApps - Project Sync
Environment : De Home	We're working on it
	This page will refresh every minute or so. We're just setting a few things up

This may take up to 10 minutes to complete.

You will be asked to create and verify an account with Admin rights for Project Sync to use when querying your Project Online environment.



Back to Site 🔸 ThorApps - Project Sync



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horApps - Project Sync

Environment : Development	
Home	Project Online connectivity
Service Accounts	
Entity Type Sets	Project Sync currently does not support App Only authentication. Therefore you need to create an account for ThorApps Online Services to use when querying your Project Online environment.
Entity Types	This account MUST have admin rights in Project Online as it needs to register remote event handlers and
Events	read ALL project data.
Settings	Please make sure this account has a VERY complicated password that is set to either never expire or has a very long expiry time (you can change this password later and you will be prompted if the
Queue	password has expired).
Jobs	Account Name
debug JSON	Password
debug 15014	Not Verified Verify
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	NEAL
Back to Site ThorApps	
	Project Sync Apps - Project Sync
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Environment : Development	
Environment : Development Home	Apps – Project Sync Project Online connectivity
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Environment : Development Home Service Accounts Entity Type Sets Entity Types	Apps – Project Sync Project Online connectivity Project Sync currently does not support App Only authentication. Therefore you need to create an account for ThorApps Online Services to use when querying your Project Online environment. This account MUST have admin rights in Project Online as it needs to register remote event handlers and read ALL project data.
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Environment : Development Home Service Accounts Entity Type Sets Entity Types Events Settings	Apps – Project Sync Project Online connectivity Project Sync currently does not support App Only authentication. Therefore you need to create an account for ThorApps Online Services to use when querying your Project Online environment. This account MUST have admin rights in Project Online as it needs to register remote event handlers and read ALL project data.
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Environment : Development Home Service Accounts Entity Type Sets Entity Types Events Settings Queue Jobs	Apps - Project Sync Project Online connectivity Project Sync currently does not support App Only authentication. Therefore you need to create an account for ThorApps Online Services to use when querying your Project Online environment. This account MUST have admin rights in Project Online as it needs to register remote event handlers and read ALL project data. Please make sure this account has a VERY complicated password that is set to either never expire or has a very long expiry time (you can change this password later and you will be prompted if the password Account Name

Once verified, re-enter the password. Click "Next".

Click "Finish".

Back to Site 🔸 ThorApps - Project Sync



Feedback Development
Environment : Development
Home
Service Accounts
Entity Type Sets
Entity Types
Events
Settings
Queue
Jobs
debug JSON

Connectivity Setup finish

Clicking 'Finish' will create a back ground jobs to register event handlers, update the database schema based on your custom field configuration and reflect all project data for reporting.

Previous Finish

You will be presented with the following "Jobs" screen.



Back to Site 🔸 ThorApps - Project Sync



ThorApps - Project Sync

Environment : Devel	opment											
Home	Included Job Status	🗹 Wait	ing Creat	ed in the La	st Hour	\checkmark						
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Showing 1 to 2 of 2 entries

Wait for the "ImportEntityTypeSetJob to complete before proceeding. Click "Back to Site" in the upper left.





Verification Testing

There are several methods to verify Project Sync Service is now working correctly:

- Using Excel
- Using SQL Server Management Studio (SSMS)
- Using SQL Server Reporting Services (SSRS)
- Using PowerBI Desktop

Regardless of the method used, there will need to be at least one existing project in the PWA site collection. If Project Sync Service has been installed on a new PWA site collection, we will need to create a test project. You can omit this and go straight to validating the activation if this PWA site collection already has existing projects.

From the Quick Launch, click "Projects".

P	Home			
Projects Approvals	Get Started with Pr	oject Web App REM	IOVE THIS	
Tasks Resources				~
Reports	L A	(i)	\checkmark	•11
EDIT LINKS	Create or import projects.	New to Project Online?	Download Project Pro for O365	Analyze your data with Power BI.

Click the "PROJECTS" tab.

Click "New".

Click "Enterprise Project".

	Office 365	Project												
BROW	SE PROJECTS													
New V	Open Add SharePoint	Build Project Team Permissions	Check in My Projects	Zoom In	O Zoom Out	Scroll to Project	Outline - Wiew: Rollups Gantt Chart Gantt Chart	Summary No Filter No Group	*	Add A Project Ta	dd Expor	to Print	Subprojects	Change
In P	roject Professional	Navigate			Zoom		Data			Timeline		Share	Show/Hide	Project Type
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/ E	DIT LINKS	If you think	c projects sh	ould alr	eady be l	here, try	changing your view.							

Name it "Sample Project", or similar, give it a description, assign an Owner. Click "Finish".

	Office 365	Project
1	2	
	-	
C	Create a	new project
В	asic Info	
	lame *	
		Sample Project
D	escription	Sample enterprise Project
S	tart Date *	10/6/2018
С	wner	Adrian Bear Browse
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Once the project is created, add some tasks. Click "Project" Click "Publish".

BROWSE PROJECT PAGE					III Office 365 Proje								
Sample Project	Zoom	-out to you since 10/6/20	18 10:16 AM Last Moc	lified: 10/6/2018 10:16 AM Version	BROVE BROVE RAGE TAGE	Zoom							
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Approvals Tasks Resources Reports	ID† Mo 1 x 2 x 3 x 4	e Task Name Task 1 Task 2 Task 3 Task 4	Dur tion Start		Projects Approvals Tasks Resources Reports ZEDIT UNKS	•	ID† 1 2 3 4	Mode x x x x x x	Task Name Task 1 Task 2 Task 3 Task 4	Duration	Start	9, F S S	9/23/20 S M 1

To monitor the publish job process, return to the app by clicking the cog in the upper right, selecting "Site Contents", and clicking the app icon.

From the app home page, click "Jobs" in the menu. This will display all currently running jobs. You can also view completed jobs here.



Showing 1 to 2 of 2 entries





Verifying with Excel

From the Quick Launch, click "Service Accounts". Click "Show Database Reader".

Back to Site 🕨 ThorApps - Project Sync	Back to Site 🔸 ThorApps - Project Sync
ThorApps - Project Sync	ThorApps - Project Sync
Environment : Development Home Service Accounts Entity Type Sets Entity Types Events Settings Queue Jobs debug JSON	Environment : Development Home Service Accounts Entity Type Sets Entity Types Events Settings Queue Jobs debug JSON

This will display values for:

- SQL Server Name
- SQL Database Name
- Account Name
- Password

Leave this open, as we will refer to it shortly.

Open a new workbook in Excel. Click the "Data" tab. Click "Get Data". Click "From Database". Click "From SQL Database".



Enter the Server and Database names from the Database Reader viewed earlier.

SQL Server databa	se		
Server 🛈			
Database (optional)			
Advanced options			
			OK Cancel





Click the "Database" tab

Enter the credentials from the Database Reader viewed earlier.

		SQL Server database ×	F					SQL Server	database			×
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Dat	tabase	Use your Windows credentials to access this database.		Database	User name	2						
Mic	crosoft account	Use my current credentials Use alternate credentials User name		Microsoft account	Password							
		Password					apply these database.wir				*	
		Select which level to apply these settings to reflexreportingdev.database.windows.net										
		Back Connect Cancel		-	Back]				Con	nect Ca	ancel

Click "Connect"



Select the odata.Project table, and click "Load".

Navigator						
	P	odata.Pr	ojects			C
Select multiple items		ProjectId	ProjectName	ProjectOwnerld	ProjectDescription	ProjectAuth
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Here we can see the data from the Sample Project we created earlier.

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So what's next?

Configuration

Now that you have installed and activated Project Sync Service, you will want to follow the configuration guide included in the download package. This guide will show you how to configure Project Sync Service.

Purchasing

If you have completed the solution installation and configuration and have decided to purchase a license, follow the purchasing guide included in the download package.

License Activation

If you already have a license for Project Sync Service and wish to activate it, follow the license activation guide included in the download package.