Progressive Web Application - PWA

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 - Progressive Web App (PWA) Settings

Introduction

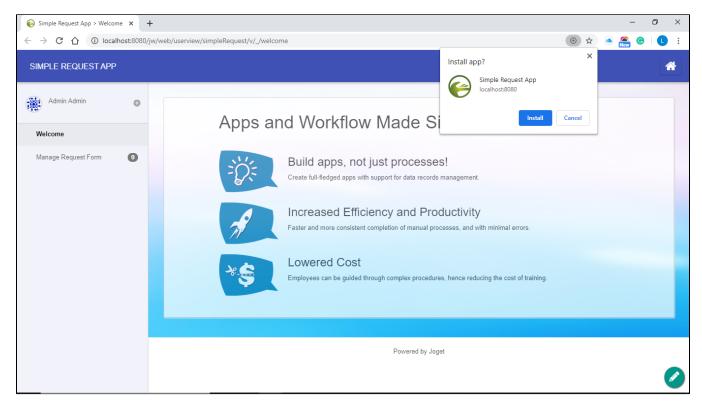
In layman's terms, **Progressive Web Application (PWA)** is a type of application software that is easily installable directly via the web browser, that offers a native-like app experience to end users regardless of device variants. PWA promises many key capabilities as compared to regular web applications, such as:

- 1. Works in any network conditions, including offline
- 2. Responsive web design
- 3. Compatible with any device and screen dimension
- 4. Background Sync
- 5. Smooth app interactions
- 6. Native-like app UI/UX
- 7. Web push notifications
- 8. and so much more...

Read here for full details about PWA and its benefits: https://developers.google.com/web/updates/2015/12/getting-started-pwa

As a brand new feature of Joget DX, Joget apps support PWA features by default.

Installing an app



Joget allows users to easily install apps into mobile devices through compatible browsers.

Compatibility

|--|

PWA Offline Storage and Sync	Yes (15 May 2020, Android 9)	No (15 May 2020, iOS 13.1.2 iPhone X)	Yes (15 May 2020, iOS 13.1.2 iPhone X)	Yes	Not Supported
PWA Push Notification	Yes (15 May 2020, Android 9)	No (15 May 2020, iOS 13.1.2 iPhone X)	No (15 May 2020, iOS 13.1.2 iPhone X)	Not Applicable	Not Applicable
Native App Push Notification	Not Applicable	Not Applicable	Not Applicable	Yes	Yes

Send Notifications

If you require sending notifications to Joget PWA users, you can use these plugins to do so:

- Push Notification Tool Plugin as a Process Tool in the Joget Marketplace.
- User Notification Audit Trail Plugin in Plugin Default Properties in app properties.
- User Notification (Customizable) Audit Trail Plugin as Plugin Default Properties in the Joget Marketplace. (This plugin allows per-activity customization)

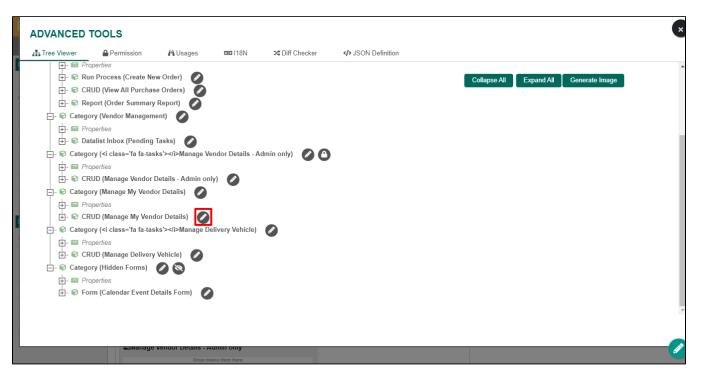
PWA Properties

Most userview menus support offline caching.

To configure them, you can directly edit the userview menu, or via the Builder Advanced Tools in the userview builder.

🖵 ∣⊖ ^{joget} USER\	VIEW BUILDER Vendor Management v1: Vendor Manager	nent (Published)		
DESIGN USERVIEW	SETTINGS PREVIEW	SAVE	Undo C' Redo 🖌 Advanced Tools	
Basic				
B Form	Vendor Management			
HTML HTML Page	Click to edit			
Inbox	#date.EEE, d MMM yyyy#	Logout		
🔗 Link	Menu			
E List	A Home			
Run Process	Dashboard			
Universal Inbox	Calendar for Purchase Orders			
🛃 User Profile				
Enterprise	Procurement Management			
CRUD CRUD	Create New Order			
talendar	View All Purchase Orders			
Lill Chart	Order Summary Report			
Dashboard	Vendor Management			
Datalist Inbox	Drop menu item here			
-S Import Menu	Pending Tasks			
Pa Isenar₽annite	Manage Vendor Details - Admin only			
	Drop menu item here			2

1. Select Advanced Tools in the userview builder.



2. Edit the userview menu you wish to configure PWA settings for.

			Auto save when close?
Edit CRUD 🝞			Œ
Edit CRUD > UI (List) > Actions (List) > U	JI (Add) > Actions (Add) > UI (Edit) > Actions (Edit) > Advanced Performance & Offline	е	
ID	1D0DC8CB5ABF4870AB2650877BCA9A80		
Custom ID			
Label *	Manage My Vendor Details		
List *	My Vendor Details	•	ď
Form (Add)		*	
Form (Edit)	Vendor Details ×	•	ď
			-
< Prev Next >			OK Cancel

3. Select the "Performance & Offline" tab, and you can configure PWA offline settings here.

Edit PWA Offline Settings

Φ		Auto save when close?	×
		Edit CRUD > UI (List) > Actions (List) > UI (Add) > Actions (Add) > UI (Edit) > Actions (Edit) > Advanced > Performance & Offline	⊕
Cache Settings			*
Scope 🕜	None	v	
Duration (s) 😧	20		
PWA Offline Settings			
PWA Offline support is dependent on	the theme used.		
Enable cache for offline support	×		
Cache list actions (Non post action)	I.		
Cache all datalist links in first page	۲		i.
< Prev Next >		OK Cance	:
			h

Name	Description
Enable cache for offline support	This option allows users to cache for offline support for userview elements.
	Scope: Available in all Userview Menu
Cache list actions (Non POST action)	This option allows users to cache datalist actions but it does not include any POST actions.
	Scope: Only available in Userview Menu that makes use of Datalist such as CRUD, List, Datalist Inbox
	Example of what will be cached:
	1. New Button in CRUD
	Example of what will NOT be cached:
	1. Delete Button in CRUD
	2. JDBC Datalist Action in List / CRUD
Cache all datalist links in first page	This option allows users to cache all links found on the first page of the datalist links when they are offline. (i.e. Hyperlink Datalist Action)
	Scope: Only available in Userview Menu that makes use of Datalist such as CRUD, List, Datalist Inbox
	Example of what will be cached:
	1. Hyperlink Datalist Action in List / CRUD

How to Check What is Being Cached?

If your runtime URL is http://localhost.8080/jw/web/userview/leaveApp/v/_/welcome, you can change "welcome" to "cacheUrls" in order to see the list of URLs that will be cached.

Progressive Web App (PWA) Settings

Users can access this setting by going through the "Settings" tab in the userview builder.

USERVIEW BUILDER Vendor Management v3: Vendor Management (Published)						
DESIGN USERVIEW	SETTINGS	PREVIEW	SAVE		🖱 Undo C ^e Redo 🥻 Advanced Tools	
Basic						
Form	Vendor Mana Click to edit	-				
Inbox	#date.EEE, d MMM yyyy	¥		Logout		
🔗 Link	Menu					
🖽 List	A Home	u item here				
Run Process	Dashboard					
Universal Inbox	Calendar for Purchase Orders					
Loser Profile						
Enterprise	Procurement Management	u item here				
CRUD CRUD	Create New Order					
talendar	View All Purchase Orders					
Led Chart	Order Summary Report					
Dashboard	Vendor Management					
Datalist Inbox	Drop mer	u item here				
-S Import Menu	Pending Tasks					
ResearRannerts	■Manage Vendor Details - Ad Processes		ettings 🖌 Quick Edit : C)n	»	

1. Click on Settings.

USERVIEW BUILDER Vendor Management v3: Vendor Management (Published)						
DESIGN USERVIEW	SETTINGS PR	EVIEW	SAVE		🕤 Undo Cl Redo 🖌 Advanced Tools	
Configure Layout 🝞						æ
Configure Layout > Theme (DX Progression	ve Theme) > Configure Permission					9
Theme	DX Progressive Theme			× ×		A
Description						
					4	
Thumbnail					Choose Image	
						•
< Prev Next >						
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🔗 🖬 Forms & Ul 📕 Proces	ses 🌣 Properties 🚢 Users 🙆 M	Ionitor 🗱 Settings 🗸	🖌 Quick Edit : On			
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2. Click on Theme and then click on Progressive Web app (PWA) Settings.

Progressive Web App (PWA) Settings

USERVIEW BUILDER Vendor Management v3: Vendor Management (Published)							
DESIGN USERVIEW	SETTINGS	PREVIEW		SAVE		🖱 Undo Cl Redo 🥓 Advanced Tools	
Configure Layout ?	me) ► Configure Permission						•
Theme	DX Progressive Theme				X v		^
Description							- 1
							2
Thumbnail						Choose Image	- 1
							- 1
< Prev Next >							*
			© Joget DX -	Joget Inc. All Rights R	eserved.		
🤪 🗗 Forms & Ul 📱 Processes	🌣 Properties 🚢 Users	🙆 Monitor 🛭 🏘 Se	ettings _	Quick Edit : On			>

Name	Description
Disable Progressive Web App (PWA) Support	If checked, this will disable PWA support for the current app.
Disable Web Push Notifications	If checked, this will disable Web Push Notifications.
Additional URLs to Cache	This option allows users to cache additional URL(s) that is relative to the Context Root.