RADS

Designing Your First Userview

https://github.com/radservice/rad-community/fork

Prerequisites

- Created Process, Form, and Datalist.

Content

1. Introduction to Userview Builder

2. Designing Your First Userview

3. Introduction to PWA

Chapter 1

Introduction to Userview Builder

Userview Builder

- Application front-end interface builder.

- Serves as the wrapper for forms, processes, datalists.

- Extensible functionalities through RADS's plugin architecture.

Userview Builder

USERVIEW BUILDER purchaseRequisition v1: #i18n.app.welcome# to Purchase Requisition Portal (Published)

DESIGN USERVIEW   SETTINGS   PREVIEW   SAVE

Basic
- Form
- HTML Page
- Inbox
- Link
- List
- Run Process
- Universal Inbox
- User Profile

#i18n.app.welcome# to Purchase Requisition Portal
Click to edit

#date.EEE, d MMM yyyy#   Logout

Menu

🏠 Home

Drop menu item here

Welcome

<Content>

Purchase Requisition

Powered by RADS.

- Userview elements.
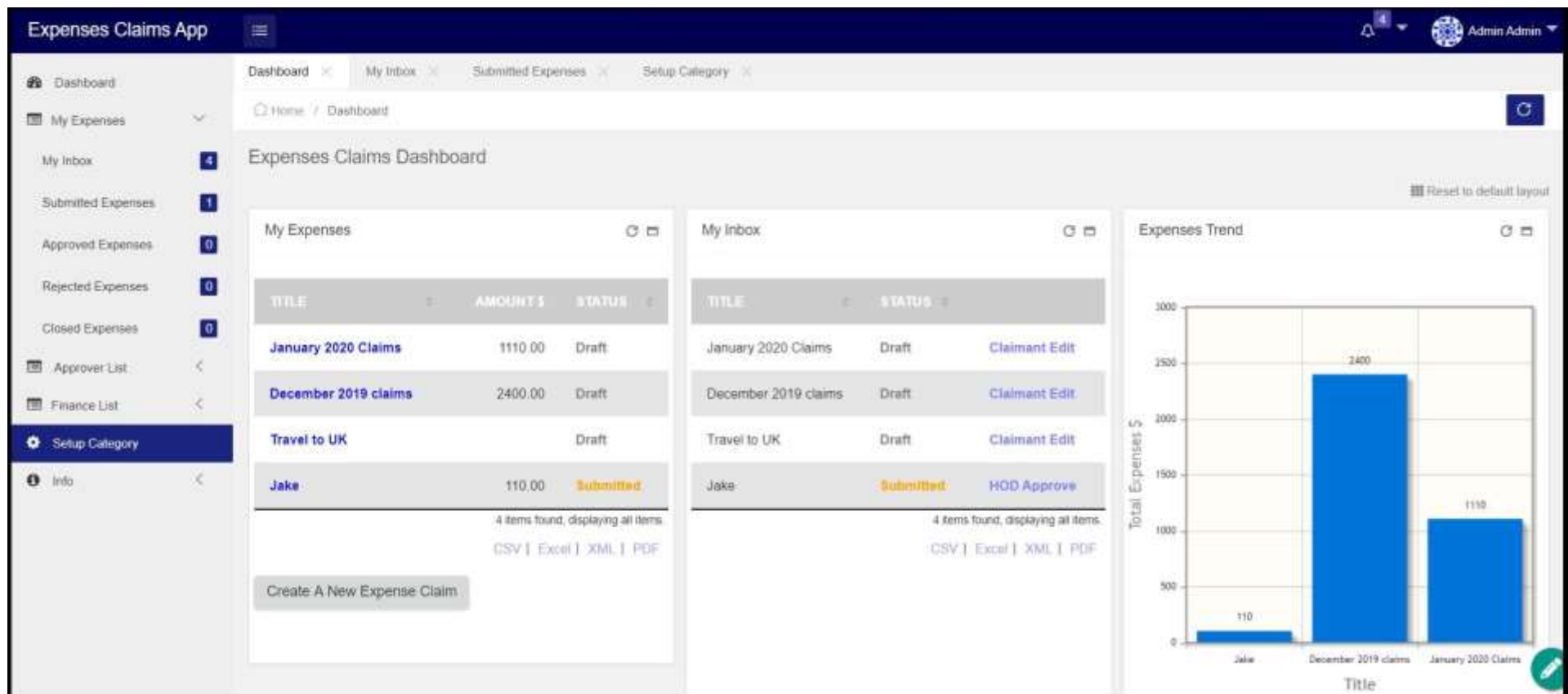- Each element is a plugin.
- Drag-and-drop.

Userview Builder

- Sample Userview using the **DX Progressive** theme
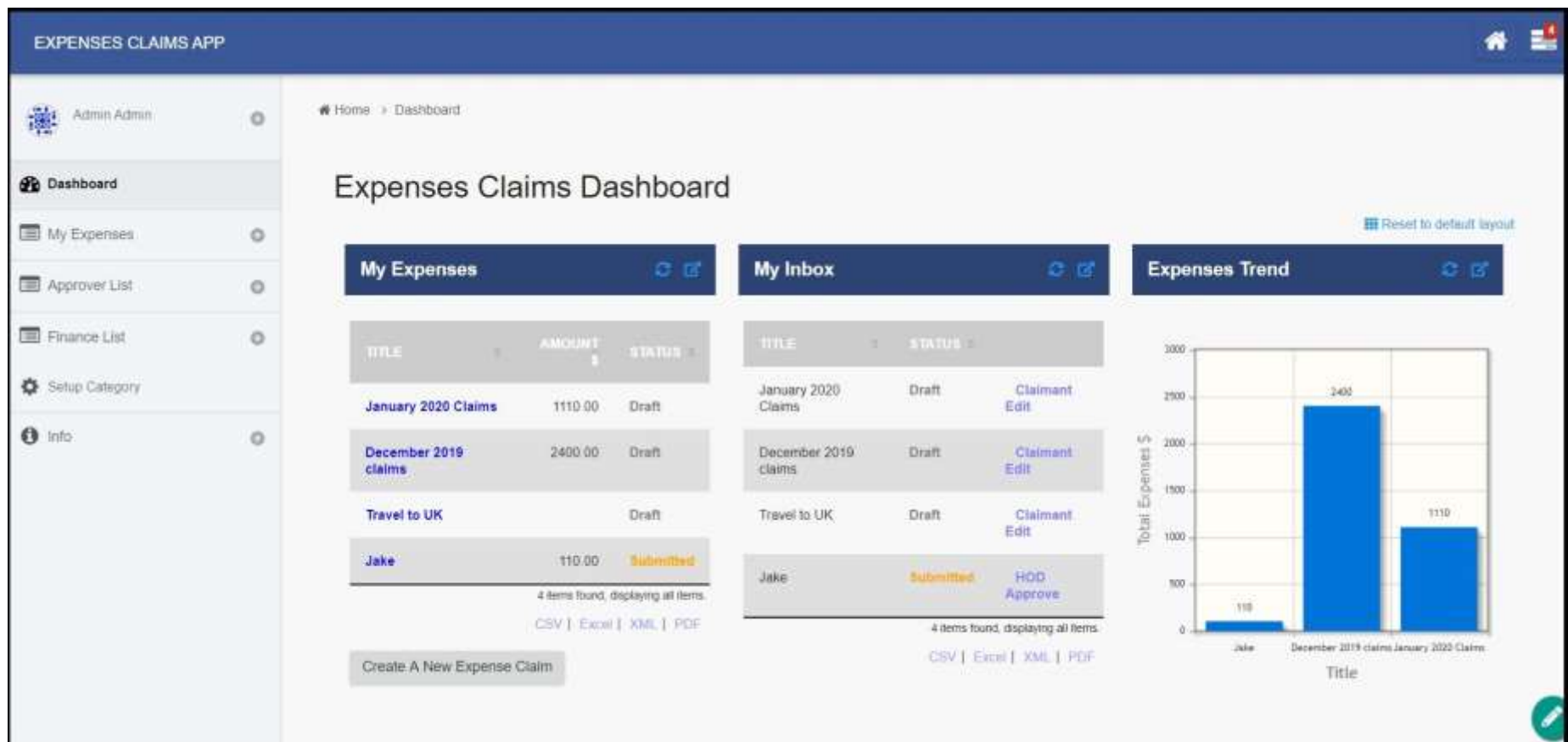
Userview Builder

- Sample Userview using the **DX X-Admin** theme

Chapter Review

- General understanding of the Userview Builder and its functionality.

- General understanding on its elements and its extensibility capability.

Chapter 2

Designing Your First Userview

Before You Continue

- This chapter serves more or less a recap of what we have learnt previously in
    - Designing your First Process
    - Designing your First Form
    - Designing your First Datalist

Create New Userview

Userview Category

- Items are organized by Category.

- Add 1 new category – Purchase Requisition

HTML Page As the First Item

- When the **Userview** is loaded, the first available (and permissible) item will be loaded automatically.

- **HTML Page** is recommended as the first menu item, to serve as the landing page.

- It will be automatically added when a new Userview is created.

- You may edit as needed by clicking on **Properties** while hovering over it.

- Reference: https://docs.rads.purwana.net/HTML+Page

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Run Process Menu

- **Run Process** enables one to start a process instance from the Userview.

- Reference:

  https://docs.rads.purwana.net/Run+Process+Menu

Add Run Process Into Userview

- Drag-n-drop **Run Process** into **Purchase Requisition** category.

Integrate Run Process Into Userview

- Set the appropriate **label**.

- Select **Purchase Request Process** in **Process**.

Custom ID for Userview Menu

- Assign a **Custom ID**. It is used to identify the link's name.

- Custom ID is **optional** but it must be **unique** when set.

Add Inbox Into Userview

- Add **Inbox** into **Purchase Requisition** category.

- Configure it to show **All Assignments**.

Preview Userview

Publish the App

- With the Userview created, it is now ready for prime time.
- End users can now access them through this interface when the App is made published.

Note: Only **ONE** App version can be made published at any point of time.

Publish the App

- Click on **Version/Publish** button, select the version to publish.

Launching the Published App

- Click on **Launch** under Userview pane.
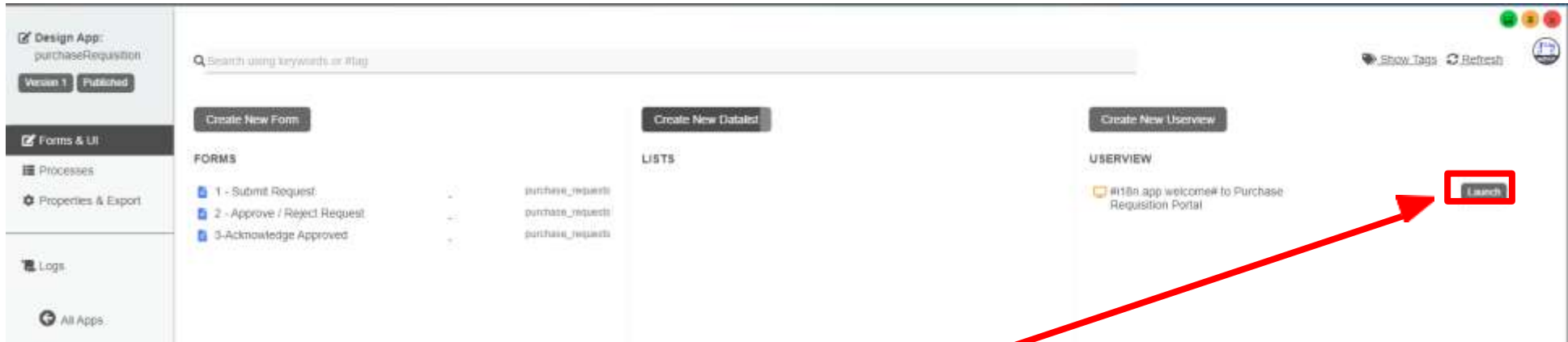
Launching the Published App

- One can also access it through the **App Center** itself.
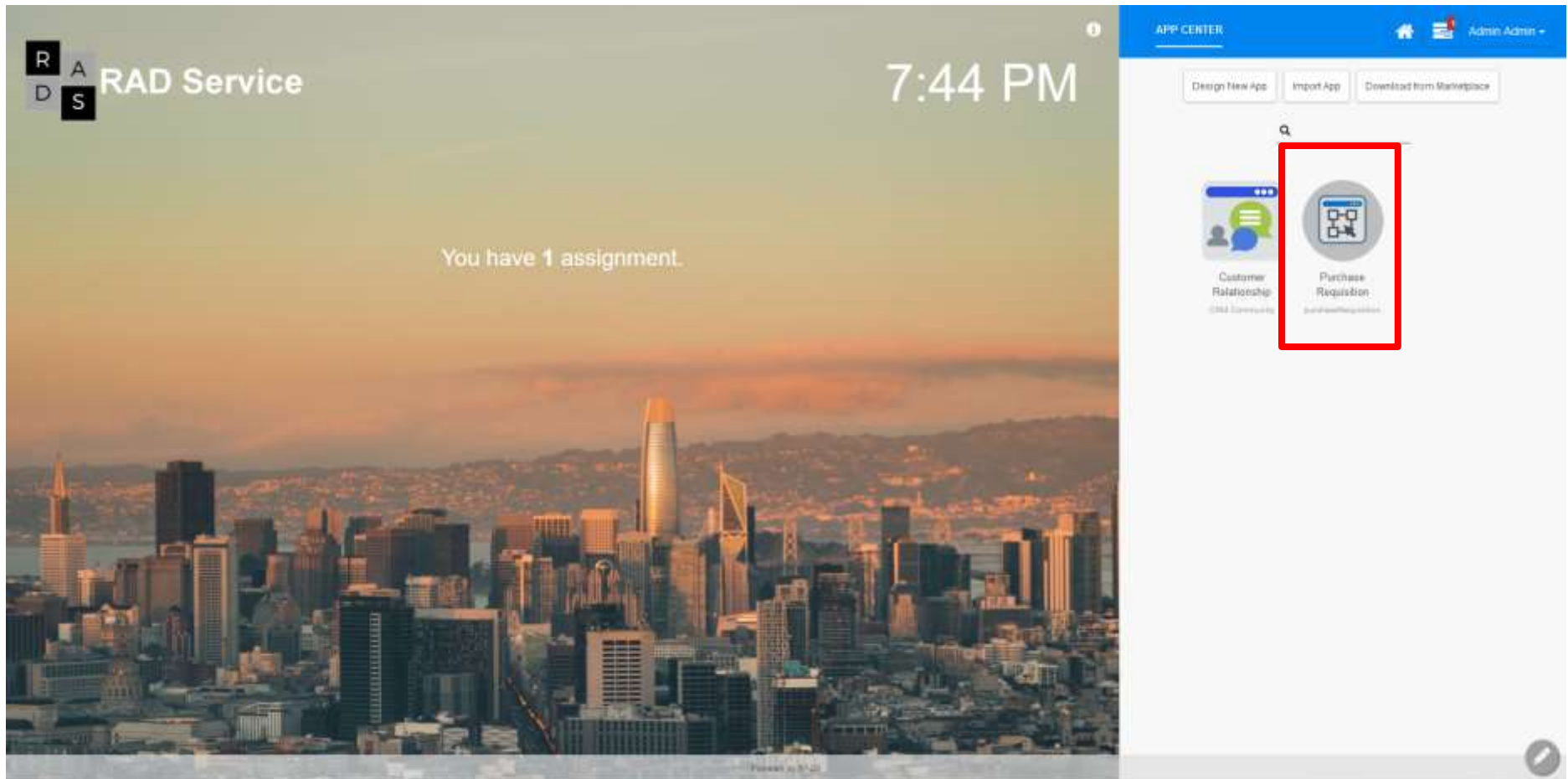
Exercise: Run Through the Process

- With the Userview created, run through the entire **Purchase Request Process** again by using ONLY the Userview.

Exercise: Run Through the Process

- Submit the form (which is part of the Process's activity flow) and continue on with the next assignment by going to **Inbox**.

Exercise: Integrate DataList Into Userview

- Add a **List** element into the Userview to incorporate the Datalist that was created earlier.

- Name it as "**List All**".

Exercise: Add CRUD Functionality

- Add a "CRUD" element into the Userview.

- Configure the CRUD to use the list created earlier and point to the appropriate form for editing.

Exercise: Change Userview Theme

- At Userview Builder's settings, change the Userview Theme to a new look and feel.

- Remember to click "OK" after selecting a new theme.

- Preview.

Exercise: App Thumbnail

Notice that other apps have each its own app thumbnail in the app center? Try to personalize yours too.
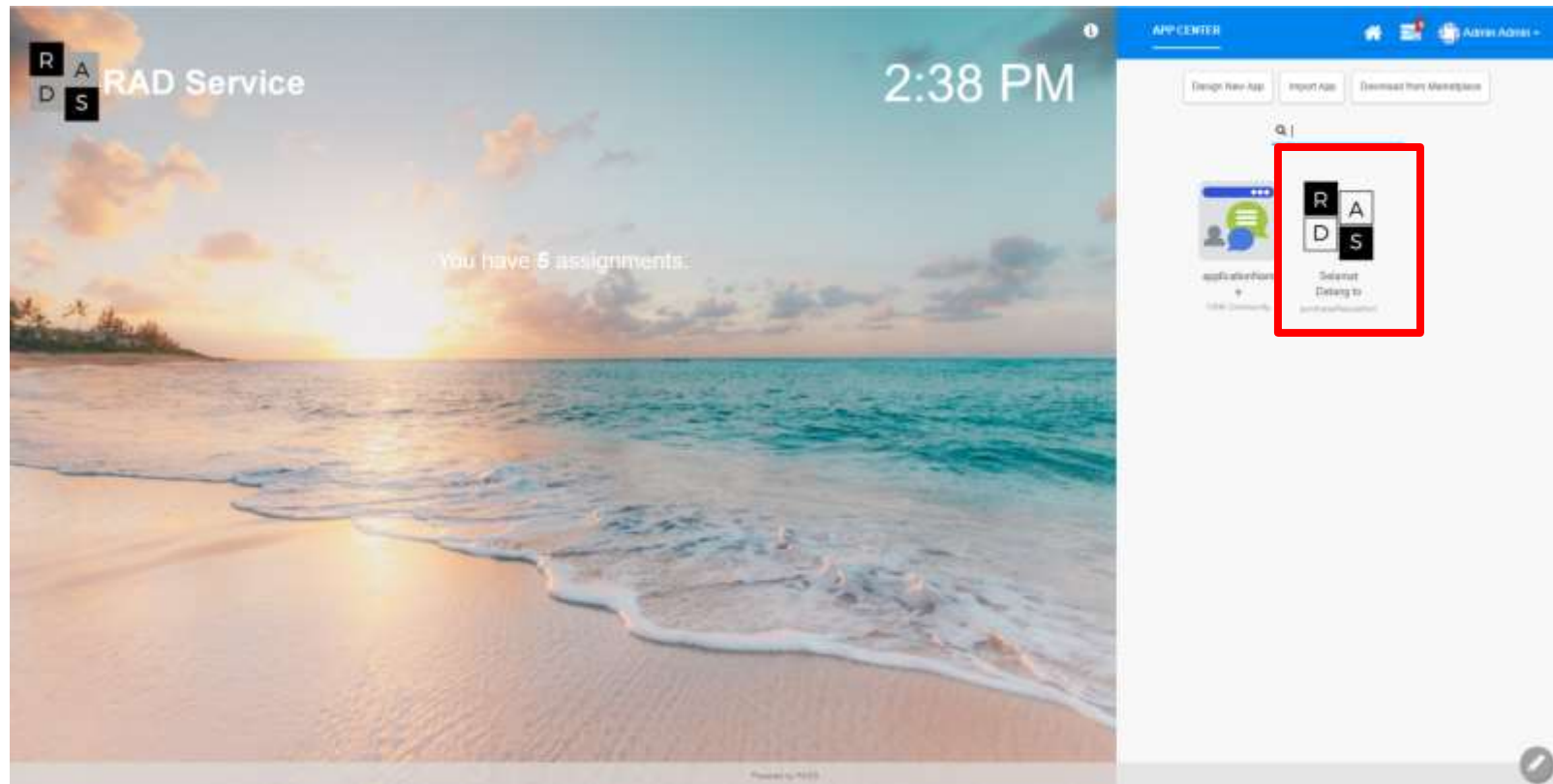
Chapter Review

We have learnt to:

1. Create Userview.

2. Use Userview as application Front-end interface.

3. Integrate Datalist, Run Process, Inbox into Userview.

Chapter 3

Introduction to PWA

Requirements

- Your mobile phone/device with PWA-supported browsers.
- For PWA to work, it requires RADS to have a secure web connection (HTTPS).
- The theme used in the RADS App is PWA compliant (By default: DX Progressive Theme & DX X-Admin Theme are PWA compliant).

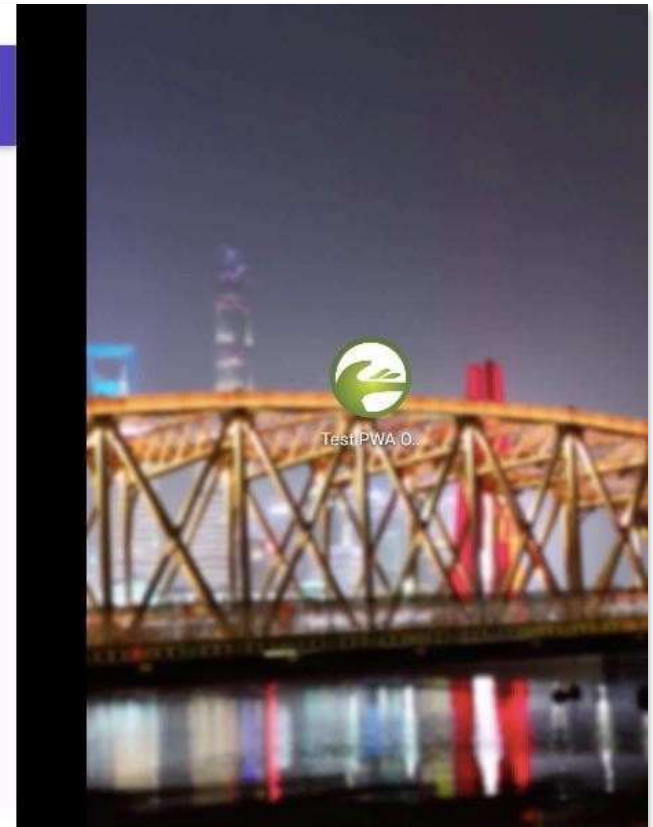# Push Notification

- Enable Push Notification in the app itself.

Push Notification

- Starts a new process instance and make sure that it assigns to the person who has signed in on the other device/browser.

Push Notification

- Once process is started and assignment is assigned to the person signed in on the mobile device, push notification will be sent.
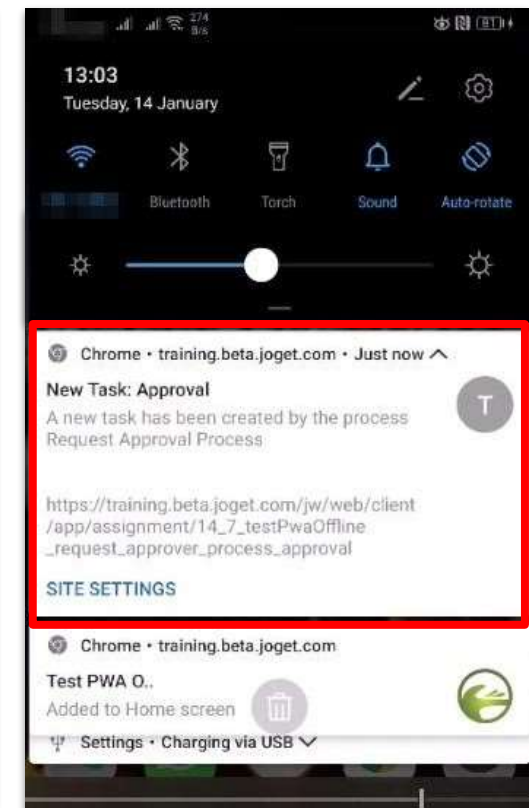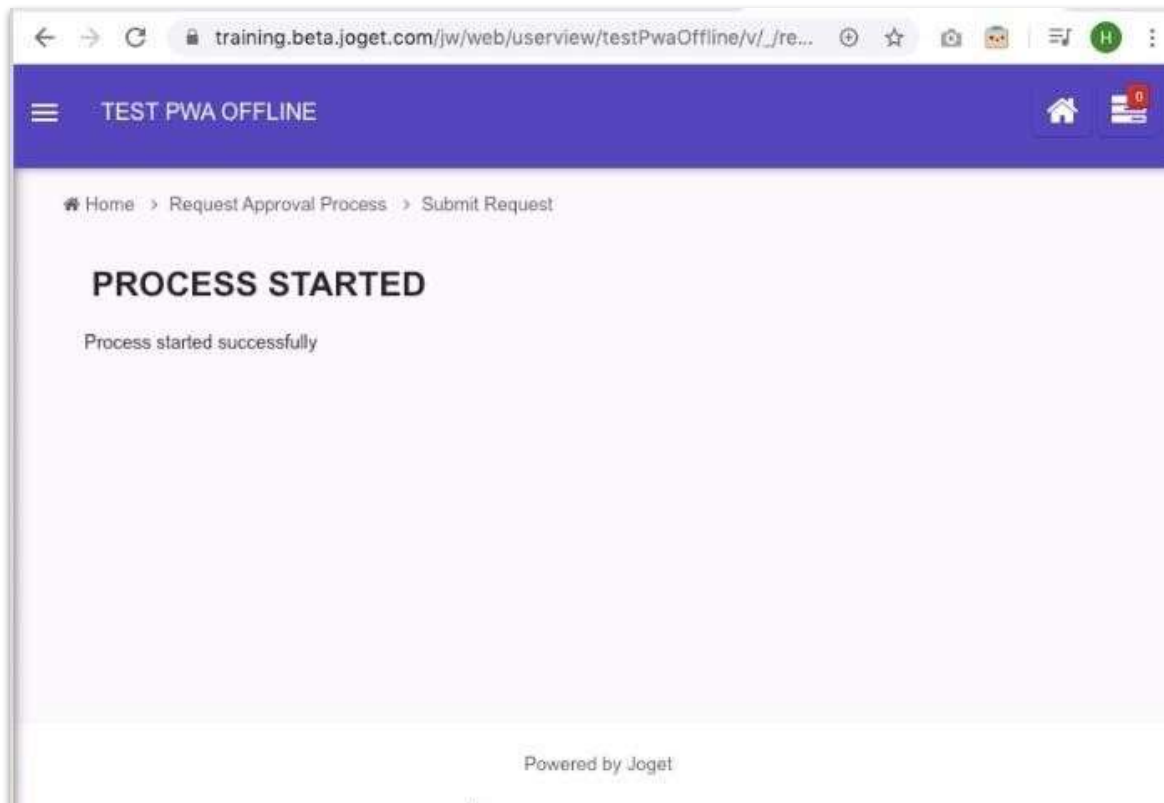
Offline Support

- Offline storage support allows uninterrupted work when device is offline.
- Compatibility depends on the theme and userview menu, down to the form and form field level.

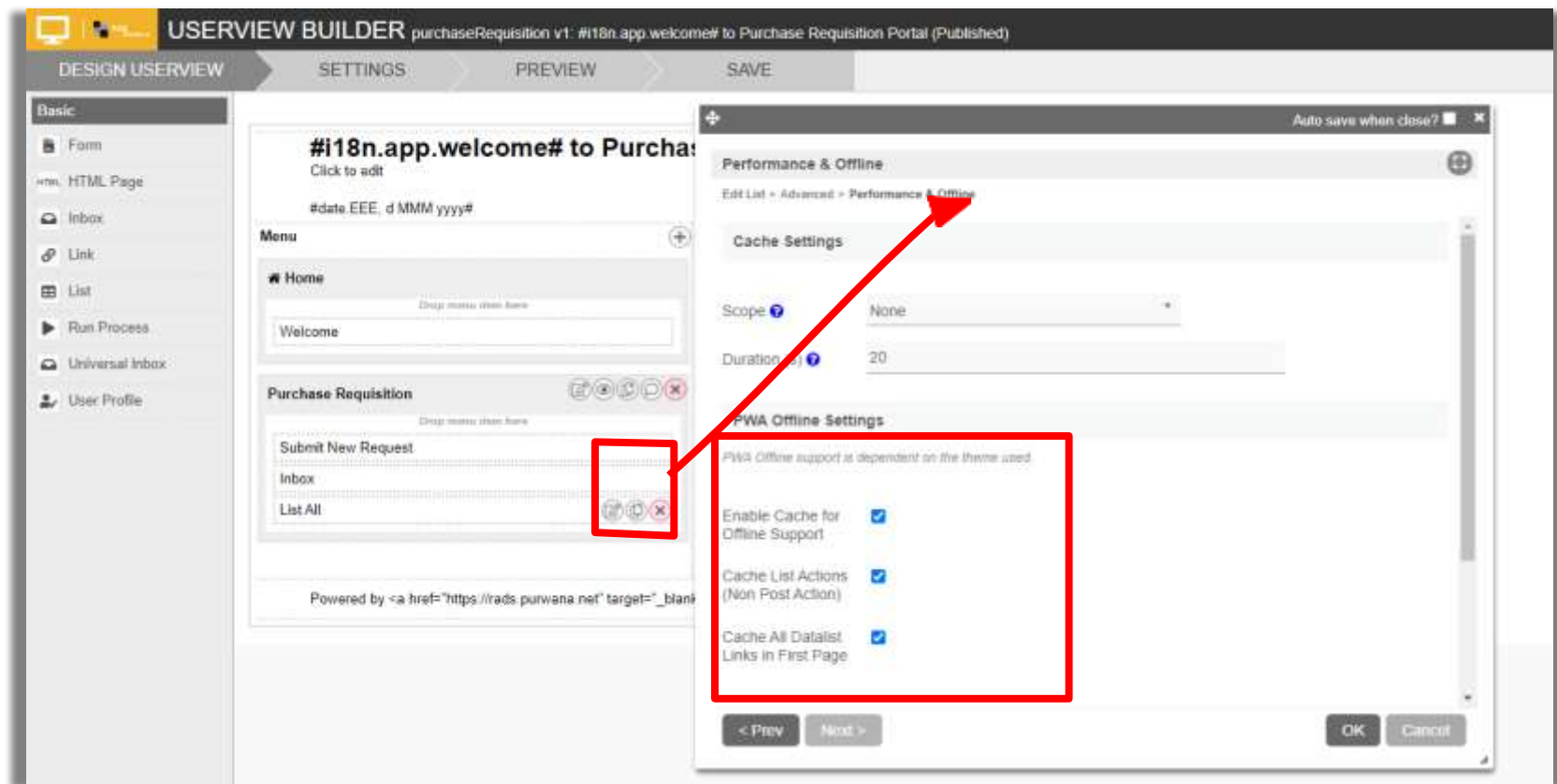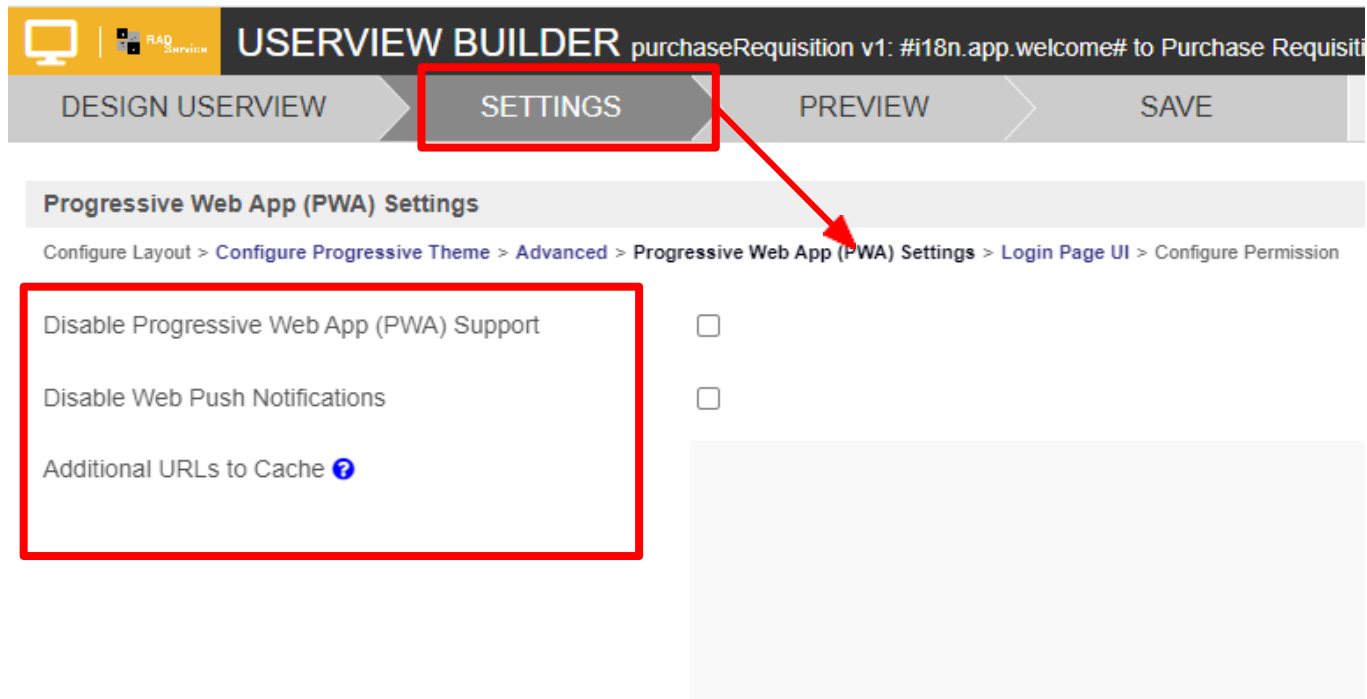# How To Enable PWA Offline Support

- In Userview Builder, toggle "Enable Cache for Offline Support" in each menu element.
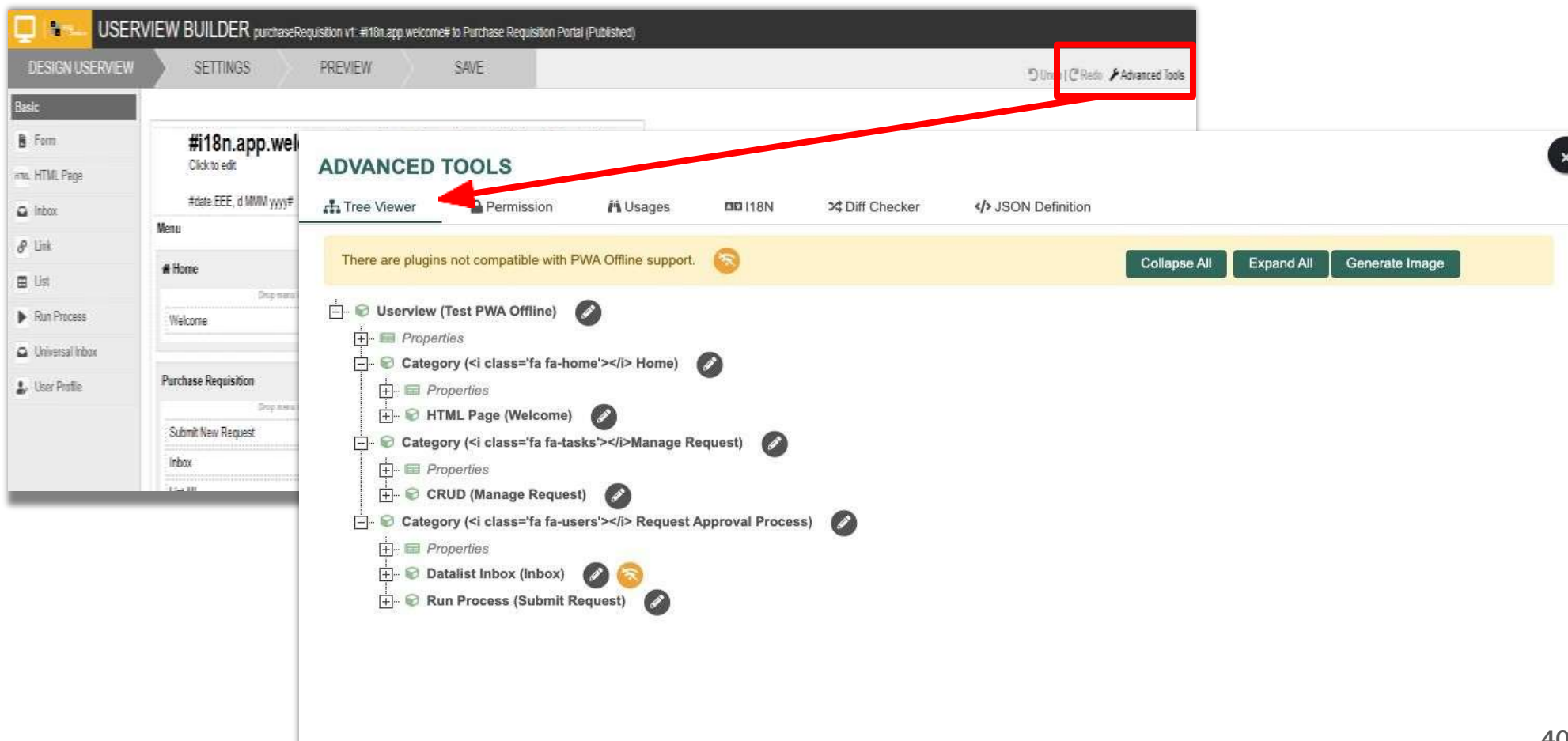
Where Are The PWA Settings?

- In Userview Builder > Settings > PWA Supported themes > Progressive Web App (PWA) Settings,

PWA Offline Compatibility

- Compatibility check inside Userview Builder's Tree Viewer.

Chapter Review

We have learnt to:

1. Add app to homescreen on mobile.

2. Push Notification.

3. Offline Support.

Module Review

1. Introduction to Userview Builder

2. Designing Your First Userview

3. Introduction to PWA

Recommended Further Learning

- Hash Variables

- Permission Control

Stay Connected With RADS

- rads.purwana.net
- https://github.com/radservice/rad-community