

#### **RADS**

# Introduction to Reporting

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



## **Prerequisites**

- 1. Basic understanding of reporting means.
- 2. Basic understanding of using SQL to generate report.
- 3. Jaspersoft Studio is optional for one of the chapters.



### Content

- 1. Introduction
- 2. Chart
- 3. JasperReports
- 4. Dashboard
- 5. Report Builder



# Chapter I

Introduction



### Introduction

- This module would introduce you to some of the basic reporting means available in RADS.
- We will be covering Chart, JasperReports, and Dashboard Userview Menus.



# **Chapter 2**

### Chart



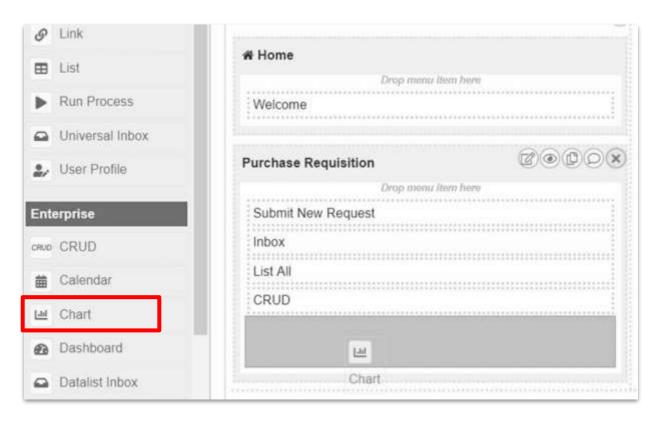
### Chart

• Chart is a Userview Menu that generate graphs based on the defined data binder or datasource.

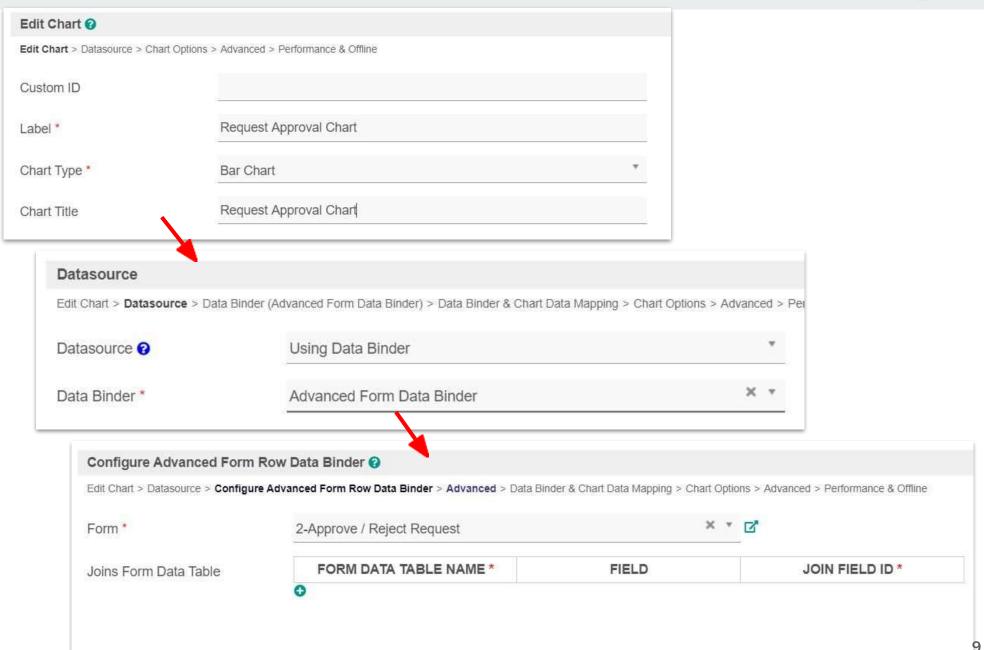
Reference: https://docs.rads.purwana.net/SQL+Chart



- Import the base app, 13.jwa into your RADS.
- Edit the Userview, add a Chart. Configure accordingly.









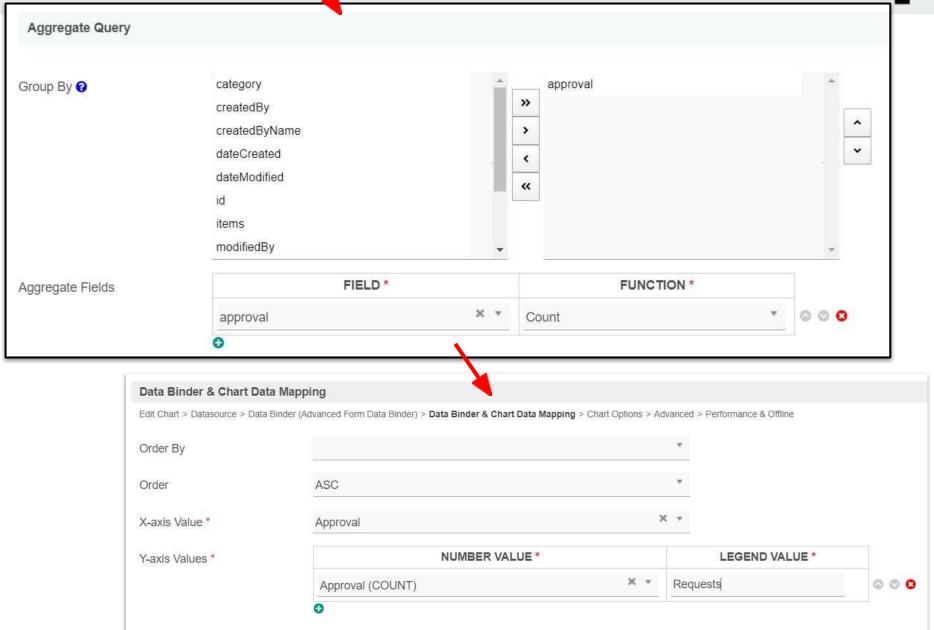
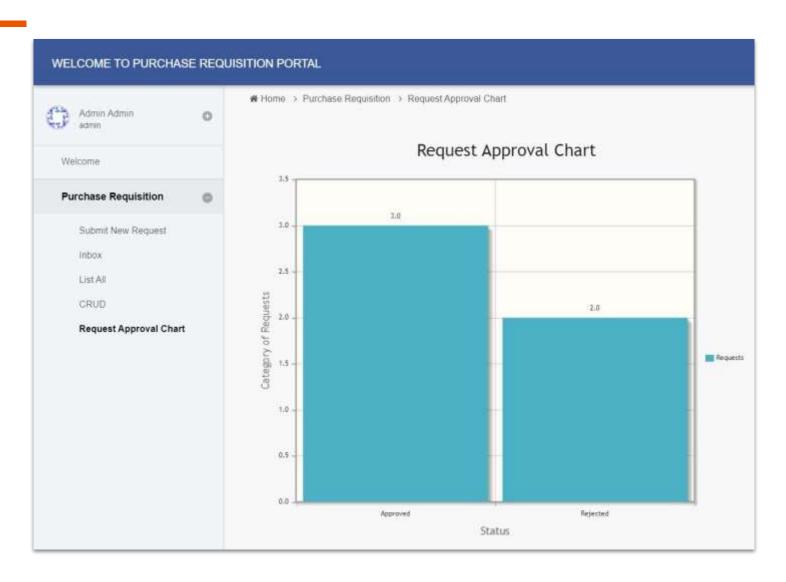




Chart Options		
Edit Chart > Datasource > Data Binder	(Advanced Form Data Binder) > Data Binder & Chart Data Mapping > Chart Options > Advanced	d > Performance & Offline
X-axis Label *	Status	3
X-axis display as	Category	
Y-axis Label *	Category of Requests	
Y-axis Prefix		
Show Legend?		
Show Value Label in Chart?		
Stack Series?		
Display as Horizontal Chart?		
Width *	60%	
Height *	50%	



#### This Is How the Chart Should Look like in Runtime.





### **Materials**

 "Purchase Requisition Portal" userview definition can be obtained at 14.2.1.txt



# **Chapter Review**

• Able to use the Chart.



Chapter 3

JasperReports



## **JasperReports**

• JasperReports offers better reporting means through integration with JasperReports report definition.

• Reference: <a href="https://docs.rads.purwana.net/JasperReports">https://docs.rads.purwana.net/JasperReports</a>



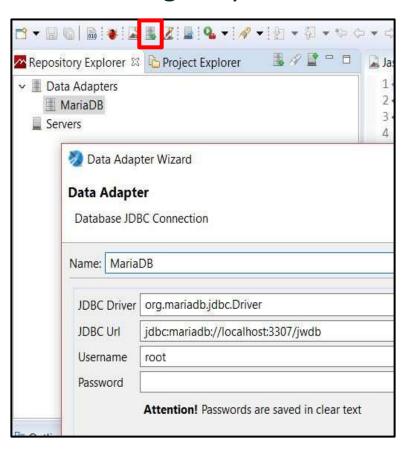
## **Exercise - Optional**

- Continue to use the app from the previous chapter.
- Add a JasperReports element into the Userview.
- Configure the newly added element.
  - Label: JasperReports Request Approval Chart
  - JasperReport Definition (JRXML): (Obtain from file14.3.1.txt)
  - Datasource: Default Datasource



### F.Y.I - For JasperSoft Studio beginners

1. When opening JasperSoft Studio for the first time, you will need to set up a Data Adapter. Select "Database JDBC Connection", then key in the same datasource settings as your current RADS installation.



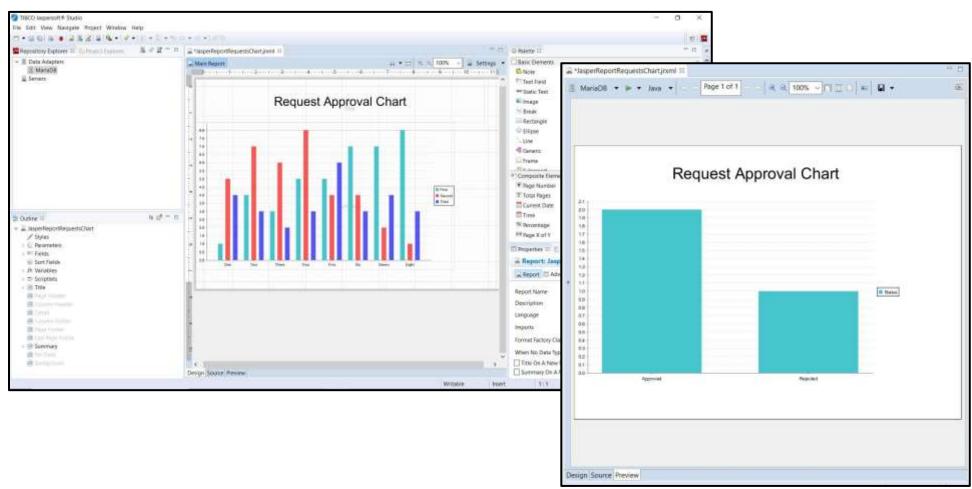


### F.Y.I - For JasperSoft Studio beginners

- 2. Create a new JasperReport, select any template.
- 3. Click on Source view, copy and paste in the definition provided earlier.

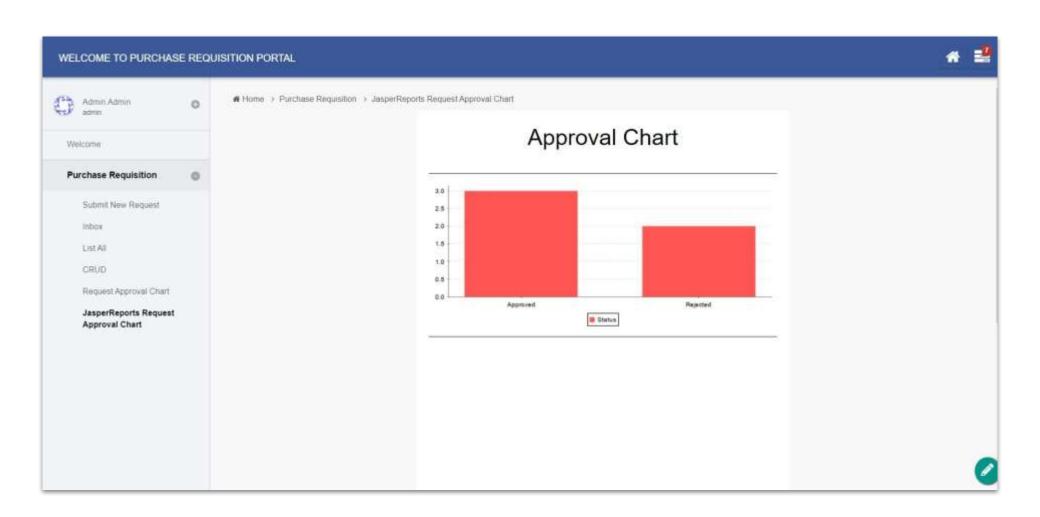


This is how your report should look like in Studio.





#### This Is How the Chart Should Look like in the Runtime.





# **Chapter Review**

Able to add a JasperReports element into a RADS app.



**Chapter 4** 

Dashboard



### **Dashboard**

- Dashboard menu displays multiple menu items from a selected Userview in a resizable grid layout.
- See important information from various userview elements in a single glance.
- Able to edit some information on the same page!

Reference: https://docs.rads.purwana.net/Dashboard



- Continue to use the app from the previous chapters.
- Dashboard element works by reading the elements available in a selected Userview, so let's create a new Userview with the details below:



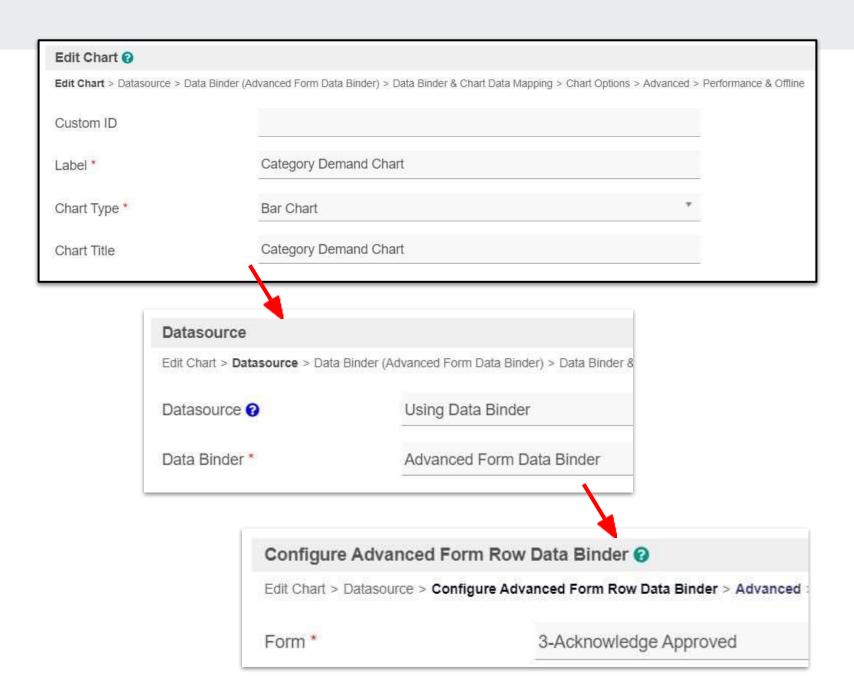


 Remove all other userview elements until only these elements remain.

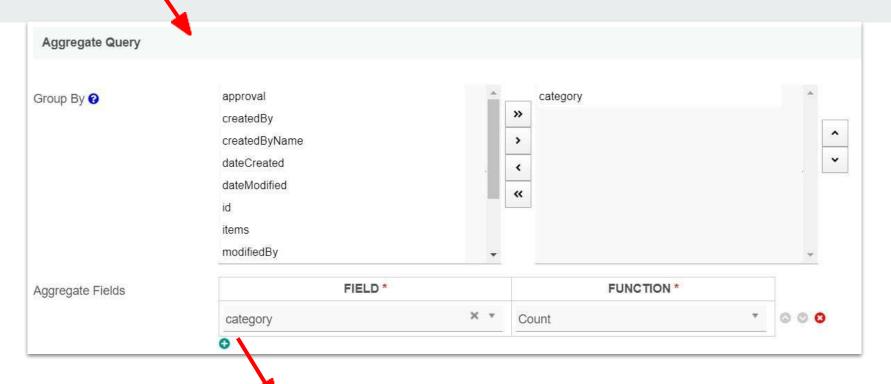
	Dashboard Click to edit	K SK
	#date.EEE, d MMM yyyy#	
Menu		100
Purc	chase Requisition	-
	Drop menu Item here	
	oox equest Approval Chart	

 To make our Dashboard more informative, go ahead and add in another Chart element! Configure accordingly.









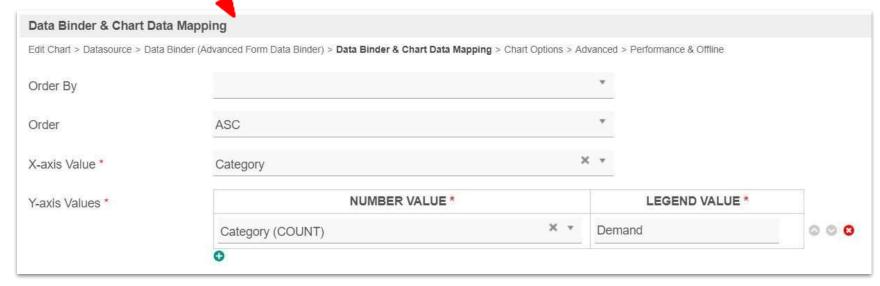




Chart Options	
Edit Chart > Datasource > Data Binder	(Advanced Form Data Binder) > Data Binder & Chart Data Mapping > Chart Options > Advanced >
X-axis Label *	Category
X-axis display as	Category
Y-axis Label *	Amount
Y-axis Prefix	
Show Legend?	
Show Value Label in Chart?	
Stack Series?	
Display as Horizontal Chart?	
Width *	60%
Height *	50%



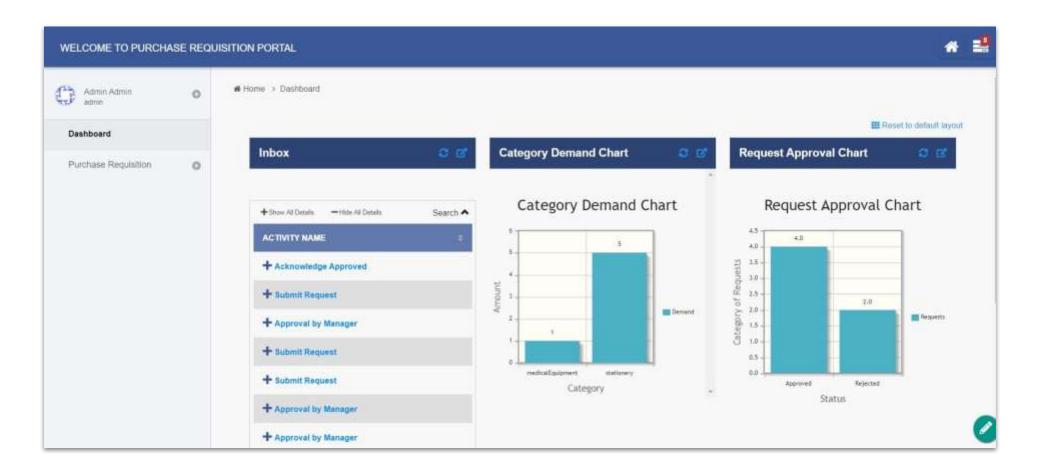
- By now, you should have just 1 inbox and 2 chart elements.
   Save the Userview.
- Now go to the Userview Builder of Purchase Requisition
   Portal. Remove the "Welcome" menu and replace with a
   Dashboard menu. Configure accordingly. Remember to save
   your changes!

Configure Dashboard ?			
Configure Dashboard > UI > Adv	anced > Performance & Offline		
Custom ID			
Label *	Dashboard		
Configuration Mode	Using Userview	¥	
Userview *	Dashboard	X *	C.



#### This Is How the Dashboard Should Look Like in Runtime.







### **Materials**

• Completed App from previous chapters' exercises can be obtained at **14.jwa**.



# **Chapter Review**

Able to configure Dashboard for RADS apps.



**Chapter 5** 

Report Builder



## Report Builder

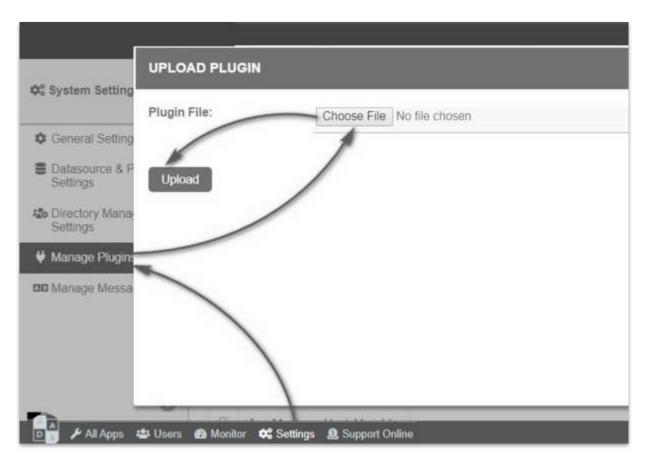
- Report Builder belongs to a new plugin type called Custom Builder.
- Allows one to create your own customized report.

Reference:
 https://docs.rads.purwana.net/marketplace/Report+Builder



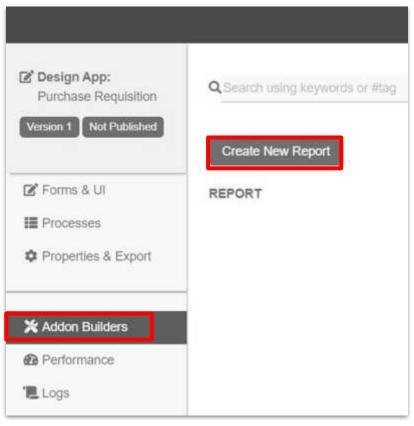
### Installing Report Builder

 Download the plugin from RADS Marketplace and import it into your RADS platform via Manage Plugin.



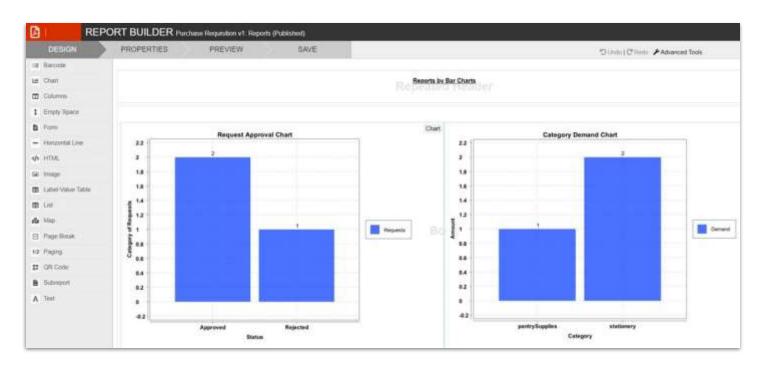


- Continue to use the app from the previous chapters.
- Click on the new menu Addon Builders and click on Create Report.



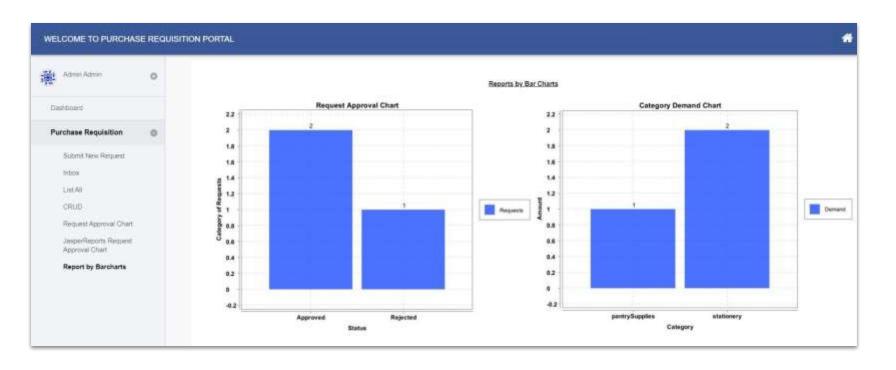


- Create 2 columns and create 2 charts side by side.
- Use the previous 2 charts:
  - Request Approval Chart
  - Category Demand Chart





Now go to the Userview Builder of Purchase Requisition
 Portal. Add the Report element and configure accordingly. Remember to save your changes!





### **Materials**

• Completed App from all the chapters' exercises can be obtained at **14b.jwa**.



## **Chapter Review**

 Able to create a report by using the Report Builder for RADS apps.



### Module Review

- 1. Introduction
- 2. Chart
- 3. JasperReports
- 4. Dashboard
- 5. Report Builder



# Stay Connected With RADS

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