

# RADS

## Setting up RADS

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

# Prerequisites

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- Introduced to RADS.
- Good understanding on how to operate a computer as an end user.

# Content

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1. System Requirements
2. Installation
3. Overview of User Management
4. RADS End User Experience
5. RADS App Generator



# Chapter I

## System Requirements

# Minimum System Requirements

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- Operating System: Windows or Linux
  - Free system memory: 512MB
  - Free disk space: 2GB
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- Note: Minimum spec is only good for learning purposes
  - Strictly **NOT** for production

# System Requirements for Production

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- It depends...
  - Read more at **RADS Deployment Best Practices**

<https://docs.rads.purwana.net/Deployment+Best+Practices>

A short horizontal bar with a black left half and an orange right half.

# Chapter 2

## Installation

# Installation

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- Installers can be downloaded from [rads.purwana.net/download](https://rads.purwana.net/download)
- Instructions are available at <https://docs.rads.purwana.net/Installation+on+Windows>



# What is needed?

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- Database system (RDBMS) such as MariaDB, MySQL, MS SQL, Oracle DB2...
- Web Application Server such as Apache Tomcat, WildFly, WebLogic, etc.

# Installation Bundles

- On Windows
  - **ALL** editions now come bundled with Tomcat & MariaDB
  - No-frills one-click installation process!
- On Linux
  - RADS with Tomcat bundled

## Quick Tip

- Tomcat runs at port **8080** by default.
- MariaDB runs at port **3307** with default credentials (**root** with no password)

Apache Tomcat 8 (JSP Servlet Container)



MariaDB (Database)



# Windows - Starting & Stopping RADS

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- **To Start:**

**Start > Programs > RADS > Start RADS Server**

Leave the Tomcat console window open.

Closing the console window will terminate Tomcat (and RADS Server).

- **To Stop:**

**Start > Programs > RADS > Stop RADS Server**

On certain systems, you will need to manually close the Tomcat console window after stopping the RADS Server.

# Linux - Starting & Stopping RADS

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- **To Start:**
  - Start the database server used to host database used by RADS.
  - Start the Tomcat server accordingly.
- **To Stop:**
  - Likewise, in reverse order, stop the Tomcat server, then the database server.

# Interacting with RADS

- Once you have the App Server started, from your web browser, navigate to -->  
`http://[domain]:[port]/[context path]`
- OR, just use the “App Center” shortcut in Windows Start Menu.

## Default URL

[domain] = localhost

[port] = 8080

[context path] = rad

<http://localhost:8080/rad>

d

## Default Admin Credential

Username = admin

Password = admin

# Optional - Changing the Default Database

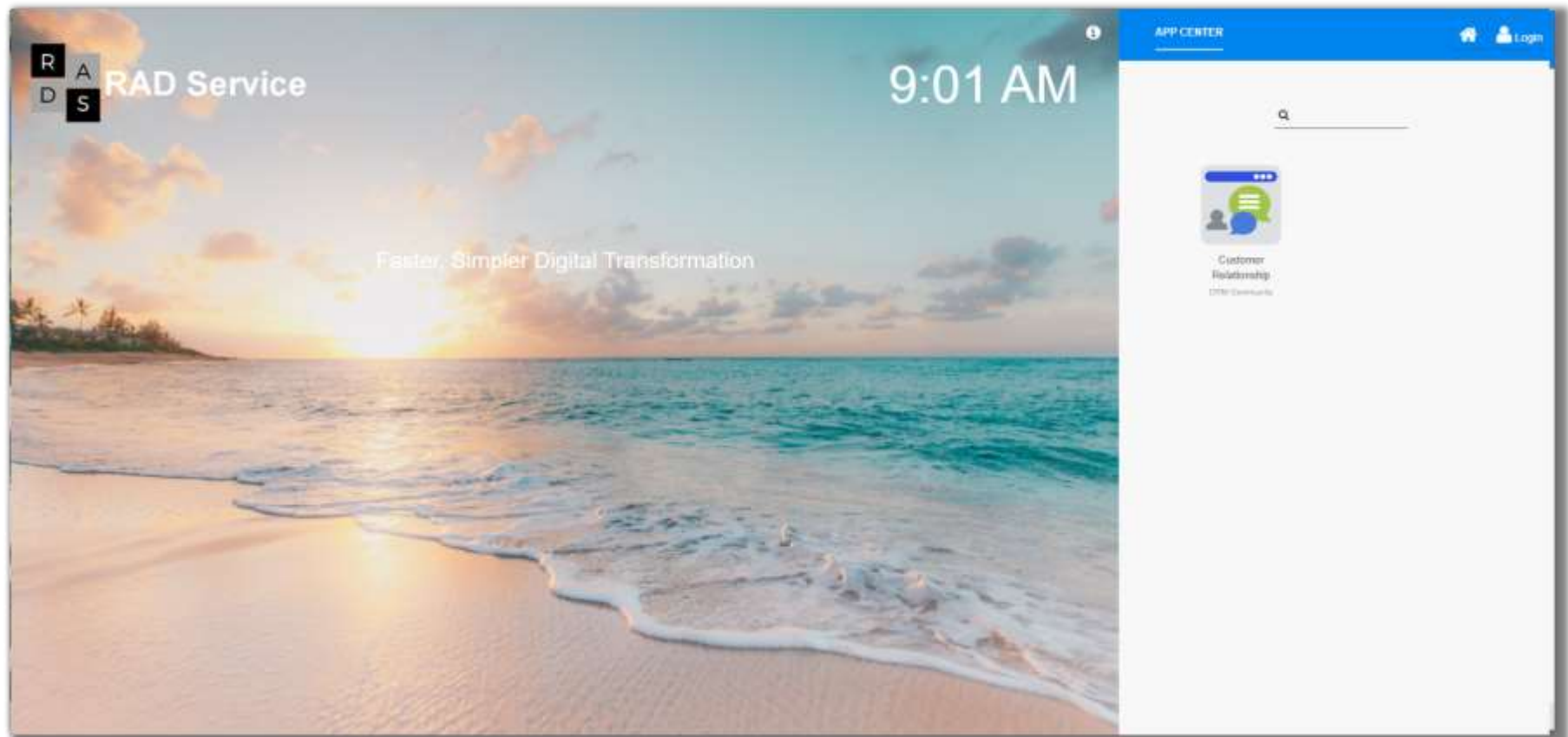
- Click on the pencil icon on the bottom right.
- Go to “Settings”, then “Datasource & Profile”.
- Enter your preferred database’s information.
- Save!

The screenshot shows the 'Datasource & Profile Settings' page in the RAD Service. On the left is a sidebar with navigation links: 'System Settings', 'General Settings', 'Datasource & Profile Settings' (which is highlighted), 'Directory Manager Settings', 'Manage Plugins', and 'Manage Messages'. The main content area has a 'Select Profile' dropdown menu currently set to 'default', with 'Switch' and 'Delete' buttons next to it. Below this are four input fields: 'Driver Name' with the value 'com.mysql.jdbc.Driver', 'URL' with the value 'jdbc:mysql://localhost:3307/radsdb?characterEncoding=UTF-8', 'User' with the value 'root', and 'Password' which is masked with dots. At the bottom, there are 'Save' and 'Save As New Profile' buttons, followed by a 'New Profile Name' input field.

Select Profile	default	Switch	Delete
Driver Name	com.mysql.jdbc.Driver		
URL	jdbc:mysql://localhost:3307/radsdb?characterEncoding=UTF-8		
User	root		
Password	.....		
Save	Save As New Profile	New Profile Name	

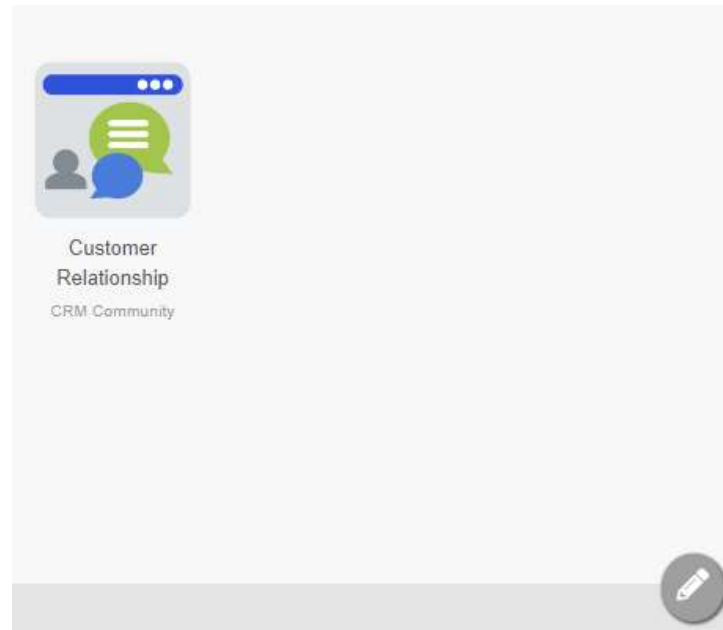
# Introducing the App Center

- The default landing page for RADS (customizable) is the App Center, where all **RADS Apps** will be listed down.



# Introducing the Admin Bar

- Once logged in as admin, the Admin Bar will show up. It is conveniently placed on the bottom right of the page at all times for convenient access to admin features.





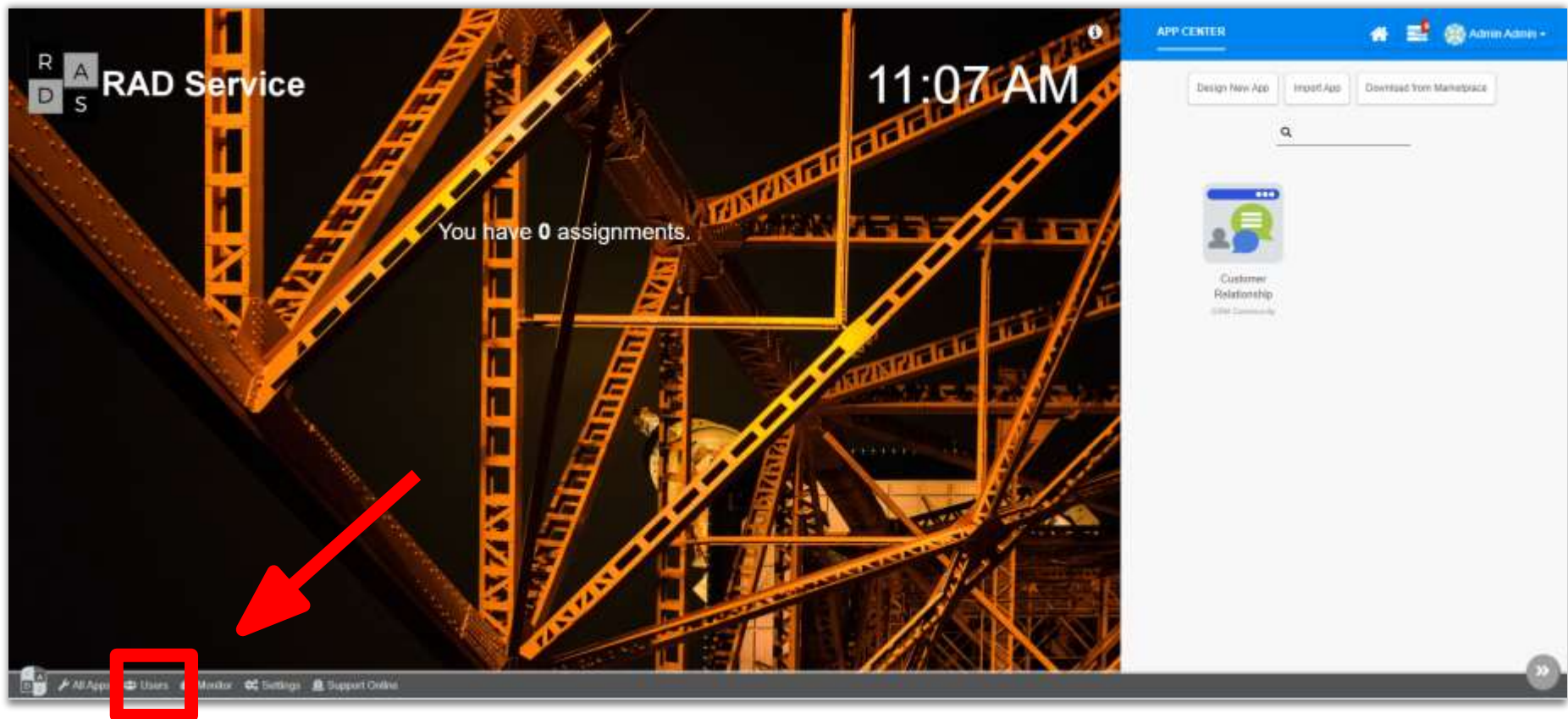


# Chapter 3

## Overview of User Management

# Accessing the User Management

- From the Admin bar, click on **Users**.

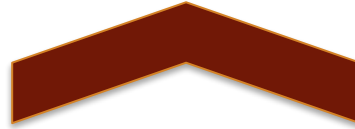


# Overview of User Management

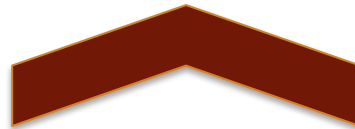
The screenshot displays a user management application interface. On the left is a sidebar with navigation links: 'Setup Users' (selected), 'Setup Organization Chart', and 'Setup Groups'. The main area features a 'Create New User' button and a 'Filter By Organization' dropdown. Below these is a search bar. A table lists 12 users, each with a checkbox, USERNAME, FIRST NAME, LAST NAME, EMAIL, and STATUS. The table is paginated to show 12 items. At the bottom of the table is a 'Delete' button. The footer contains navigation links: 'All Apps', 'Users', 'Monitor', 'Settings', and 'Support Online'.

<input type="checkbox"/>	USERNAME	FIRST NAME	LAST NAME	EMAIL	STATUS
<input type="checkbox"/>	admin	Admin	Admin		Active
<input type="checkbox"/>	cal	Cal	Grant		Active
<input type="checkbox"/>	clark	Clark	Kent		Active
<input type="checkbox"/>	david	David	Cain		Active
<input type="checkbox"/>	etta	Etta	Candy		Active
<input type="checkbox"/>	jack	Jack	Drake		Active
<input type="checkbox"/>	julia	Julia	Kapaleis		Active
<input type="checkbox"/>	roy	Roy	Harper		Active
<input type="checkbox"/>	sasha	Sasha	Bordeaux		Active
<input type="checkbox"/>	tana	Tana	Moon		Active
<input type="checkbox"/>	terry	Terry	Berg		Active
<input type="checkbox"/>	tina	Tina	Magee		Active

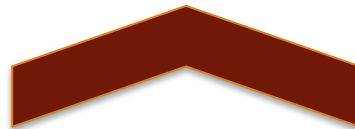
Organization



Department

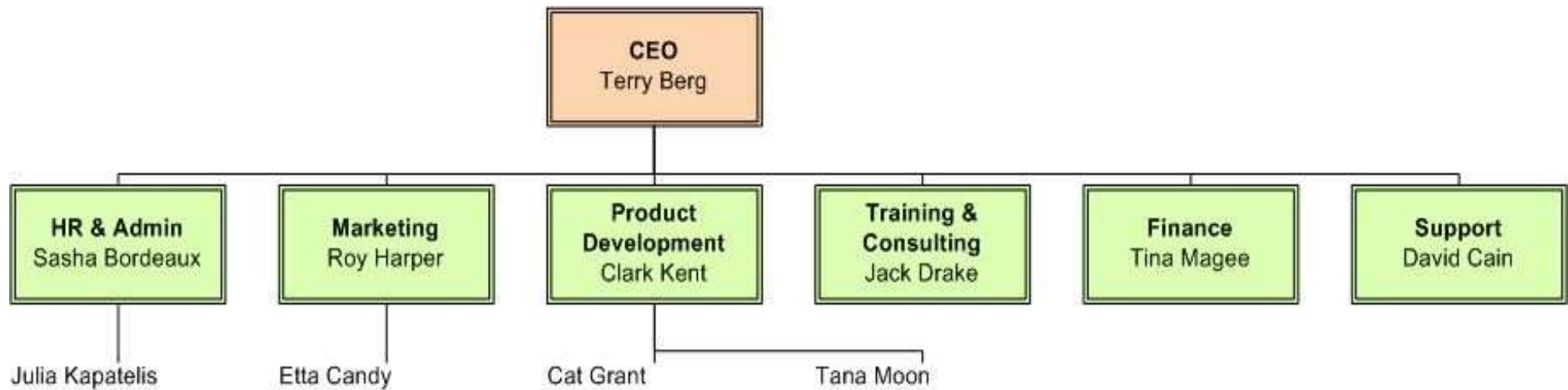


Sub-Department (Optional)



User

# Sample Organization Chart



**First Name** is the username, and  
**password** is "password".  
e.g: cat / password

# App Admin

- Users can also be assigned as App Admin.
- App Admins have administrator access rights for the selected App.

**APP CONFIGURATION MANAGEMENT**

Manage App Version

Delegate App Designer Role

**Delegate App Designer Role**

Select Organization

Select Users

Select Groups

# Discussion

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- Can we use LDAP/AD alongside with RADS?



# Chapter 4

## RADS End User Experience



# Try it Out

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- From the list of sample apps pre-installed in your RADS, try out one of the apps as an end user.

For example:-

- HR Expenses Claim App
  - Submit as Cat
  - Approve as Clark
  - Verify as Admin
- Study the App design.
  - Process, Form, Datalist, and Userview



# Chapter 5

## RADS App Generator

# RADS App Generator

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- Quick and convenient way of creating a new RADS Workflow App based on ready/existing template.
- THINK! App Generator as the **boilerplate** for your App design.

# Let's Try it Out!

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- Create a new RADS App
  - Name it as Express Leave App
- Create a new Form
  - Name it as Application Form.  
(id: applicationForm, table: eleave\_applications)
- On top right of the Form Builder
  - Click on Generate App
  - Check all
  - Generate

Try out the RADS Experience again on  
this newly created App!

# Module Review

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1. System Requirements
2. Installation
3. Overview of User Management
4. RADS End User Experience
5. RADS App Generator

# Recommended Further Learning

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- Designing your first Process

# Stay Connected with RADS

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- [rads.purwana.net](https://rads.purwana.net)
- <https://github.com/radservice/rad-community>