

Mastering Progress Rollbase, Inside and Out

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About Us

Dr. Ganesh Neelakanta Iyer

- Principal Engineer at Progress Software Development, Hyderabad
- Finished Masters and PhD from National University of Singapore in 2008 and 2012 respectively
- Research interests: Cloud computing, Game theory, Pricing, Software Quality Analysis

Chandrasekhar Gontla

- Senior QA Engineer at Progress Software Development, Hyderabad
- Hold Masters in Computer Applications from Osmania University, Hyderabad
- Strong experience in SaaS and PaaS testing

Agenda

Authenticate With
Your Way

Different User
Personas

Organizational
Structure Matters

Store@S3

?

Customizing Your App

- Build all of your **web and mobile** business applications in one place from the comfort of your Web browser
- Write a minimum amount of code (typically **80% clicks, 20% code**)
- **Reduce your development time and resource requirements, accelerate your time-to-market, simplify application delivery and deployment,** and provide a proven cloud platform on which to build all of your custom business applications

HIGHLIGHTS:

- **Runs anywhere, no vendor lock-in:** Deploy applications on-premises, in hybrid environments, in any cloud
- **Integrates out-of-the-box** with leading CRM systems, such as Salesforce.com, Oracle and Microsoft
- Provides a growing library of **pre-built sample applications** you can start from
- **Salesforce.com and Force.com Migration:** Automated tool moves applications to Progress Rollbase in minutes
- **Custom branding and App Store for ISVs and Resellers**

Snapshot of Core Rollbase Features



Fast Development

- Point and click wizards, Quick start templates
- Workflow and Business Logic, Portals



Open Deployment

- Hosted vs Private vs Hybrid Cloud
- Scalable Multi-Tenant Cloud Architecture, Anytime and anywhere



Robust Integration

- Web APIs – SOAP, REST, AJAX, SQL Query API
- Google Apps Integrations – Gmail, Google Calendar, Google Docs, Salesforce.com and Force.com Migration



Easy Application Management

- Central Dashboard
- Role and User-based permissions. Security and authentication



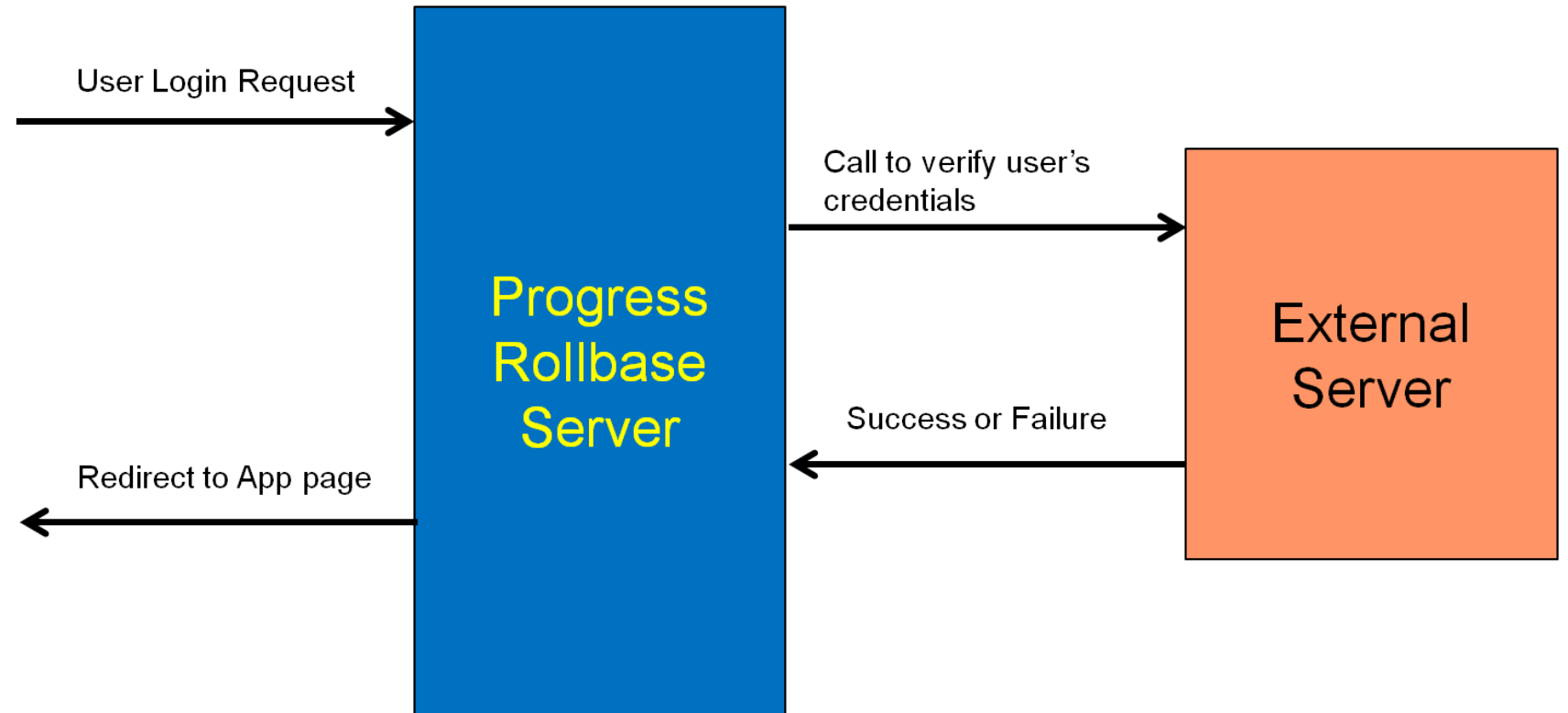
Rollbase Mobile

- Easily assemble, deploy and manage mobile applications
- Provide an intuitive, native mobile experience using a hybrid architecture that eliminates cos

Part 1:
External Authentication,
Roles and Permissions

External Authentication

- Rollbase supports following authentication types
 - Password
 - LDAP
 - HTTP POST
 - HTTP GET
 - OpenEdge



Rollbase is no longer managing users' passwords and "Change My Password" link is disabled. We strongly recommend that you modify an email template which welcomes new users and clearly indicate selected authentication method

User Roles

System Roles	Administrator	Full Access
	Portal Visitor	Assigned to visitors of external-facing Portals
	Query API	Used to check permissions in Query API calls
	Record Creator	Pseudo-role are granted to another user role (or Portal visitor) who has created a particular record
Custom Roles	Customer	Who can log and manage support tickets
	Support Engineer	Who looks after different support tickets from customers

Record Creator Role

- A pseudo role which will be applied on the top of a user (or Portal Visitor) to give specific permissions
- Example
 - Visitors to your "Customer Service" Portal can create Support Request records, as well as browse and manage a list of their own requests



Different Types of Permissions

In addition to role-based permissions, Progress Rollbase allows individual permissions to be assigned directly to particular users

User
Hierarchy of
Permissions

Component
Level
Permissions

Permissions
Through
Relationships

Field Level
Permissions

Assigned To	Titles	New title	Search	Import	Templates
User Roles					
Administrator	<input checked="" type="checkbox"/> Access	<input checked="" type="checkbox"/> Access	<input checked="" type="checkbox"/> Access	<input checked="" type="checkbox"/> Access	<input checked="" type="checkbox"/> Access
Developer	<input checked="" type="checkbox"/> Access	<input checked="" type="checkbox"/> Access	<input checked="" type="checkbox"/> Access	<input checked="" type="checkbox"/> Access	<input checked="" type="checkbox"/> Access
Library Employee	<input checked="" type="checkbox"/> Access	<input checked="" type="checkbox"/> Access	<input checked="" type="checkbox"/> Access	<input checked="" type="checkbox"/> Access	<input checked="" type="checkbox"/> Access
Library Member	<input checked="" type="checkbox"/> Access	<input checked="" type="checkbox"/> Access	<input checked="" type="checkbox"/> Access	<input checked="" type="checkbox"/> Access	<input checked="" type="checkbox"/> Access
Query API	<input type="checkbox"/> Access	<input checked="" type="checkbox"/> Access	<input type="checkbox"/> Access	<input checked="" type="checkbox"/> Access	<input type="checkbox"/> Access
Portal Visitor	<input checked="" type="checkbox"/> Access	<input checked="" type="checkbox"/> Access	<input checked="" type="checkbox"/> Access	<input checked="" type="checkbox"/> Access	<input checked="" type="checkbox"/> Access
Individual Users					
Devy Decimal	<input checked="" type="checkbox"/> Access	<input checked="" type="checkbox"/> Access	<input checked="" type="checkbox"/> Access	<input checked="" type="checkbox"/> Access	<input checked="" type="checkbox"/> Access

LDF

Relationships between Workshop and User

Users View Edit Delete

Relationships between Workshop and Visitor

Speakers View Edit Delete

Title: Field Level Permissions

Field Level Permissions

Role	View	Read Only
Developer	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Library Employee	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Library Member	<input checked="" type="checkbox"/>	<input type="checkbox"/>

LDF (Location, Department and Function) Permissions

- Used to cater to the security needs of larger organizations with more complex internal structures
- You can interpret LDF dimensions in any way that matches your organization's needs



Adding LDF permissions to large number of objects may affect application's performance. We do not recommend adding LDF permissions to dependent objects (such as document like items) which are accessible only through master object

Actions to Use LDF Functionality

Install the Organization Management Application

Create records in the Location,
Department and Function trees, as needed

Enable Organization attributes
on desired Objects

Assign LDF attributes to your records

Define Groups for your users and
assign LDF attributes to them

Let's See a Demo

Support Center Application in Rollbase

1. With External Authentication for OpenEdge
2. Record Creator Role for Customers so that they can view and manage their records
3. LDF Permissions for Support Engineer so that they can view support tickets from certain locations

Prerequisites for External Authentication Using Progress Openedge

OpenEdge Lib Folder

- certj.jar
- cryptoj.jar
- o4glrt.jar
- pscerts.jar
- RBSPAclient.1.0.0.jar
- Sslj.jar

Rollbase Lib Folder

- certj.jar
- cryptoj.jar
- o4glrt.jar
- pscerts.jar
- RBSPAclient.1.0.0.jar
- Sslj.jar

Restart the
Rollbase Instance

Part 2:
3rd Party Storage and Custom
Development Toolkit

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Third Party Cloud Services for Storage

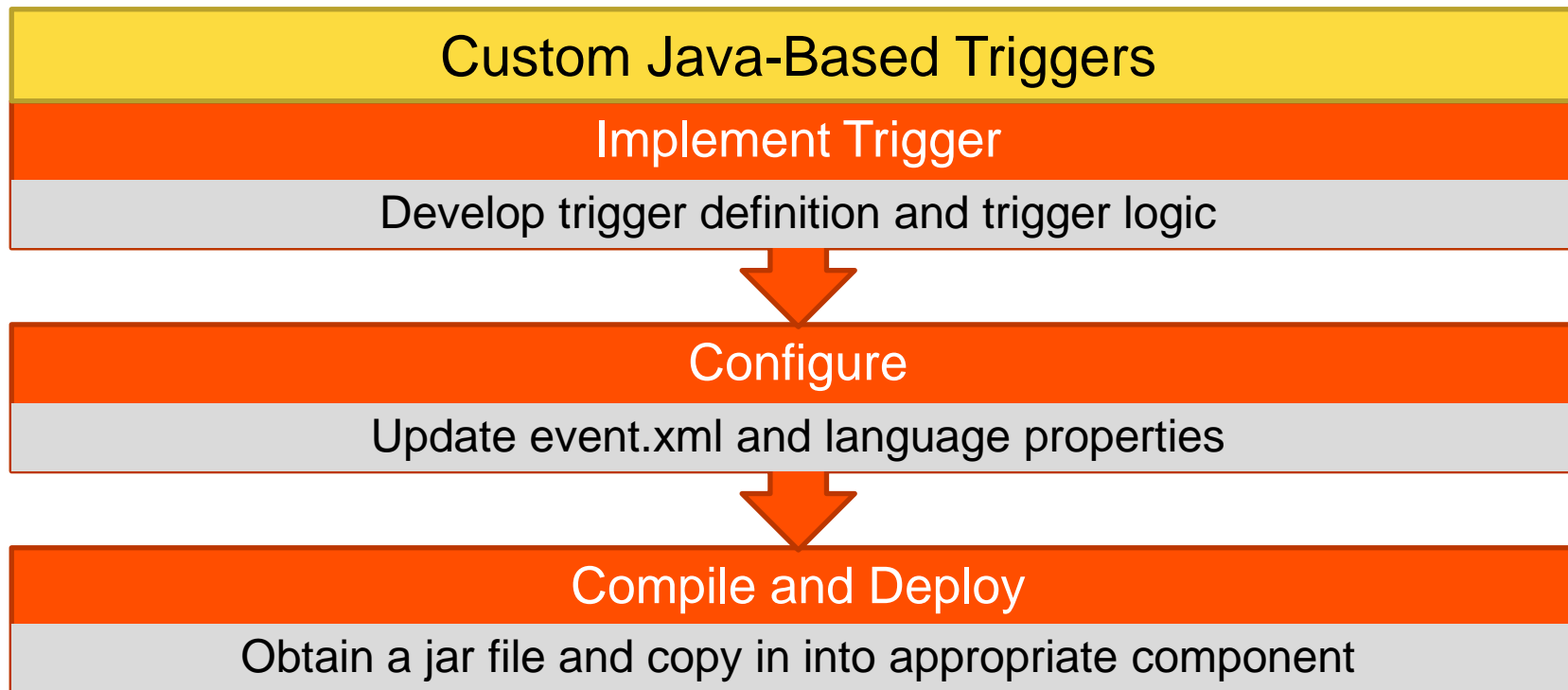
- An ISV or a Private Cloud user can configure the customer tenants to use Amazon S3 or Microsoft Azure on a tenant by tenant basis
- After you have enabled cloud storage, the files will be moved to your storage account in an asynchronous mode
- The tenant administrator will receive an email with summary of the moved files. After that, you can delete the local files to save disk space



Using a third party cloud service for storage can impact performance because files and images are served from that third party. We recommend to test the performance of selected storage provider before deploying cloud storage in production scenarios

Custom Development Toolkit

- Progress Rollbase Private Cloud customers can extend the native Rollbase capabilities
 - Custom Java-based Triggers
 - JSP pages
 - Custom Authentication methods



- New Application
- Getting Started
- Install Applications

- RECENT ITEMS
- Ticket51 (Ticket)
 - Ticket50 (Ticket)
 - Group_1 (Group)
 - Ticket (Object)
 - Organization Management (Application)
 - sep11pri1_fn sep11pri1_ln (User)
 - Ticket3 (Ticket)
 - Ticket2 (Ticket)
 - Ticket1 (Ticket)

- USERS ONLINE (1)
- sep11pri1_fn sep11pri1_ln (Away)

Recycle Bin

Tickets + New

New Ticket

Save Save & New Cancel

Ticket Information

Ticket

Component -- Please select --

Severity -- Please select --

Ticket Details

Attachment No file chosen
(2048 KB max)

One of the two fields to be mandatory

Organization

Location

Department

Function

Workflow Information

Workflow Status Created

Save Save & New Cancel

Let's See a Demo

Support Center Application in Rollbase

1. One of my customers to use storage as Amazon S3
2. Any support ticket created should have either a description or an attachment to be mandatory through a custom trigger

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Customizing Your App

Progress Rollbase has Many More Exciting Features for Rapid Application Development

- Mobile app development
- Backup
- Batch jobs
- RESST/SOAP/AJAX APIs
- Workflows
- Triggers
- Reports
- Charts, gauges
- Templates
- Cloud data access through DataDirect Cloud
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