

LMIS Deployment Plan

Authored by:
Contextual Ltd

Contents

Contents	1
Purpose of this document	3
Context	4
Components	5
LMIS Core	5
Server requirements	5
Notification service	5
Server requirements	5
Resume Parser	6
Server requirements	6
Redash	6
Server requirements	6
Task Outline	7

Purpose of this document

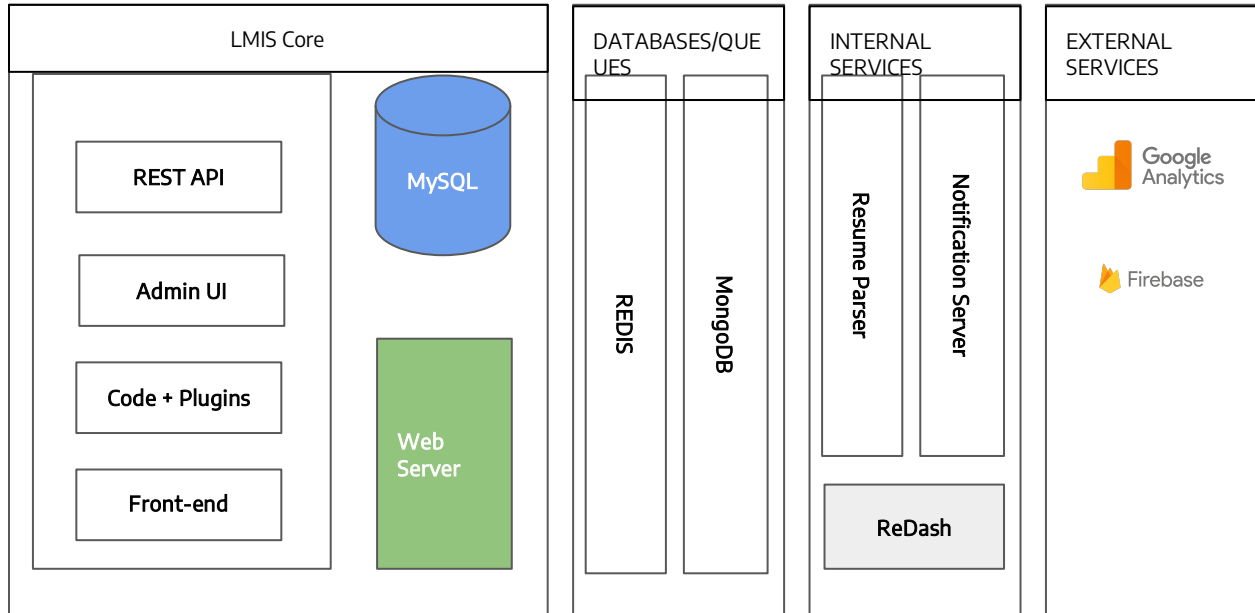
The purpose of this document is to provide the plan that will guide the deployment of the LMIS application. It includes the various components that make up the overall solution and their requirements along with a timeline of the deployment process.

This document is primarily intended for, but not limited to, the following audiences:

- Business Stakeholders
- Technology Stakeholders
- Delivery Team Members
- Exosystem Partners
- It Operations and Support

System Context

This describes the system context which gives a high level view of the solution components.



Components

This section lists the various components that need to be deployed and an overview of each. It will also state the server requirements and dependencies if they exist.

LMIS Core

This is the Drupal code base that has been modified for the LMIS use case.

Server requirements

Component	Technology	Version
Web Server	IIS	
Database	MySQL	5.6
Website Scripting Language	PHP	7.3
Content Management	Drupal	9

Notification service

The LMIS application sends messages to users via email and push notification and accomplishes that using the notification service. Additionally the notification service stores user specific notification settings, which informs how the notification service sends messages to individuals.

Server requirements

Component	Technology	Version
Web Server OS	Linux (Ubuntu)	20.04
Web Server	ExpressJS	4.x
Database	MongoDB	4.x

Website Scripting Language	Node	14.x
Message Queue	Redis	6.2

Resume Parser

This component handles extracting personal, experience, education and skills details from an uploaded PDF or Docx file. This component is built in python and uses NLP to achieve this.

Server requirements

Component	Technology	Version
Web Server OS	Linux (Ubuntu)	20.04
Web Server	ExpressJS	4.x
Database	MongoDB	4.x
Website Scripting Language	Node	14.x

Redash

This is a reporting and visualization engine that enables the creating, viewing and sharing of reports on data generated by the LMIS application.

Server requirements

Component	Technology	Version
Web Server OS	Linux (Ubuntu)	20.04
Container	Docker	19.x
Database	MongoDB	4.x

Task Outline

Task	Owner	Start Date	End Date	Status
Deploy Android application	Contextual	25/05/21	25/05/21	
Deploy iOS application	Contextual	25/05/21	25/05/21	
Infrastructure setup	MLSS	02/06/21	02/06/21	
Deploy LMIS Core	Contextual	03/06/21	03/06/21	
Deploy Notification Service	Contextual	03/06/21	03/06/21	
Deploy Resume Parser	Contextual	03/06/21	03/06/21	
Deploy Redash Server	Contextual	03/06/21	03/06/21	
Cron Setup	Contextual	03/06/21	03/06/21	
Smoke test	Contextual	04/06/21	04/06/21	
Production Deploy Dry-run 1				
Export Current LMIS database	MLSS	04/06/21	04/06/21	
Execute data migration	Contextual	04/06/21	04/06/21	
Smoke test	Contextual	04/06/21	04/06/21	
Production Deploy Dry-run 2				
Export Current LMIS database	MLSS	08/06/21	08/06/21	
Execute data migration	Contextual	08/06/21	08/06/21	
Smoke test	Contextual	08/06/21	08/06/21	
Production Deploy				
Export Current LMIS database	MLSS	10/06/21	10/06/21	
Execute data migration	Contextual	10/06/21	10/06/21	
Smoke test	Contextual	10/06/21	10/06/21	
IP Reassign	MLSS	10/06/21	10/06/21	

