inBloom – *Environment Specification*

Release 1.7.80

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# Purpose

This document is intended to provide operations with information necessary to update from a previous release to a current release in the inBloom™ Production and Sandbox environments.

This document provides minimum deployment footprints for this release, as well as an estimated footprint necessary for 5M students, and the Sandbox developer environment.

This document assumes deployment and growth within an Amazon AWS environment.

# Migration Scripts

The sections that follow include instructions for running migration scripts when updating to this version.

## Migration script for default roles for existing sandbox users

A migration script is provided to update default custom roles for existing sandbox users. The script adds new role names to the existing default role groups.  
This script performs the following:

* Connects to the sli database and gets a list of all databases from the tenant collection
* For each tenant it updates the custom role collection to add new role names to the default roles
* If any of the default role names already exist for that tenant, the script doesn't add that role name

Location of the script: *sli/sli/opstools/migration/80\_default\_role\_migration/migrate\_default\_roles.rb*

Usage: *ruby migrate\_default\_roles.rb <host>:<port> <sli\_database\_name>*  
    <host> is the hostname for the mongo instance  
    <port> is the port mongo is running on  
    The argument <sli\_database\_name> is optional. If not provided it defaults to 'sli'

## LDIF file containing LDAP users used by the End to End Tests

A LDIF file is provided containing additional LDAP entries, representing additional roles. This is required so that test users can log into the system with valid roles for the E2E Acceptance Test users The LDIF file needs to be imported into the LDAP folder used by the E2E Acceptance Tests.

The file will need to be modified, to replace the "<LDAP\_BASE>"  for all entries with the same base directory of the LDAP folder. This value is defined in the sli.properties under the property"sli.simple-idp.ldap.base"

Example: Search and replace within the file "<LDAP\_BASE>" with "dc=domain,dc=tld "

Location of the script: *sli/sli/opstools/migration/80\_default\_role\_migration/80\_e2e\_groups.ldif*

# Infrastructure Configuration Changes

## MongoDB (Data Store Layer)

No changes.

## Ingestion

Each section of ingestion requirements covers one service or application that is part of the ingestion system.

### Landing Zones

No changes.

### GlusterFS

No changes.

### ActiveMQ

No changes.

### Ingestion servers

No changes.

## Portal

No changes.

## API

No changes.

## Data Browser

No changes.

## Admin Tools

No changes.

## Simple IDP

No changes.

## Search

No changes.

# Suggested Base Configuration Changes

The configuration examples provided below detail a running system.  Email addresses and URLs that are imbedded in the configuration should be validated prior to go-live.

## sli.properties

No changes.

## Portal Application sli.properties

No changes.

## portal-ext.properties

No changes.

## Admin config.yml

No changes.

## Data browser config.yml

No changes.

## Apache Tomcat

No changes.

## ActiveMQ

No changes.