inBloom – *Environment Specification*

Release 1.6.79

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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.

## CalendarDate Index Migration Script

A migration script is provided to add a new required index on the calendarDate collection of pre-existing tenant databases.

This script performs the following:

* Creates an index on the "body.educationOrganizationId" field in the calendarDate collection

Location of script: **sli/sli/opstools/migration/79\_calendardate\_index\_migration.rb**

Usage:

To apply the index to the calendarDate collection, give argument(s) as follows:

--all Migrate against all tenant dbs  
            --OR--  
    <tenant1> [<tenant2> ...] Migrate only database(s) in the list

myhost:myport                Optional hostname and port defaults   
 to localhost:27017

For example:

ruby opstools/migration/79\_calendardate\_index\_migration.rb  --all mongo\_host:mongo\_port

ruby opstools/migration/79\_calendardate\_index\_migration.rb <tenant1> [<tenant2> ...]  mongo\_host:mongo\_port

## Student Default Roles Migration Script

A migration script is provided to add a default student role to every realm defined in the system.

This script should be **run in both Sandbox and Production** environments.

Location: sli/sli/opstools/migration/79\_custom\_roles\_migration.rb

Usage: ruby opstools/migration/79\_custom\_roles\_migration.rb

This script assumes mongos is running on localhost:27017.

## Update Rails to 3.2.13

The Gemfiles for DataBrowser and the Admin rails app have been updated to use Rails 3.2.13.  Please ensure bundle install is run when deploying the rails application to ensure the new version of rails is deployed.

# 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.