inBloom – *Environment Specification*

Release 1.10.85

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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.

## Education Organization Type Migration Script

A migration script is provided to update the "type" field in the educationOrganization collection from the pre-1.10.85 release format to the 1.10.85 release format.  In release 1.10.85, the education organization type is always "educationOrganization" and no longer the specific types like "school," "localEducationAgency," or "stateEducationAgency."  The actual specific type continues to be given in the organizationCategories field.

This script performs the following steps:

* Checks that the value of "type" as given is also reflected in the values of organizationCategories, so that no information is lost.
* Sets the value of "type" to "educationOrganization"
* Does the above only if it is not already done.

The script can be re-run. Data that has already been updated will be ignored.

Location: sli/sli/opstools/migration/85\_migrate\_edorg\_type.rb

Usage: To migrate educationOrganization 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/85\_migrate\_edorg\_type.rb  --all mongo\_host:mongo\_port

           ruby opstools/migration/85\_migrate\_edorg\_type.rb <tenant1> [<tenant2> ...]  mongo\_host:mongo\_port

# 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.