1. Project Overview

This application is key code service used by BB’s subscription internal team.

1.1 Objective

This application is developed to provide APIs to support CRUD operations around Key Code services. Key Codes are used in other operations within subscription ecosystem.

1.2 Business Case

There was a need across BB to have centralized key code generation service so that it is unique across all systems. This key code can be shared by all systems to assign/derive any product. Key Code service provides an API system which can be consumed by any app independent of the interface.

1.3 Risks

N/A

1.4 Out of Scope

Maintaining uniqueness of keycodes.

2. Technical Design Diagram

**Diagram

Description automatically generated**

**3. Technical Specifications**

3.1 Servers

* AWS
* Memory requirements will be based on SLAs
* CPU requirement will be based on the SLAs
* Other system dependencies list out here
* Expected application transaction volume

3.1.1 Application Servers

Spring boot uses embedded Tomcat Application Server

3.1.2 File Servers

N/A

3.1.3 Web Servers

NGINX or similar

3.1.4 Database Servers

Postgres, MySQL, etc.

**3.2 Databases**

Database description goes here

* Postgres or SQL Server
* Database version required
* Memory requirements
* CPU requirements
* Amount of storage needed the first 12 months (in GB)
* Projected growth (% or GB)
* Expected transaction volume
* Special data preservation requirements

4. Resource Needs

* Staff and skills needed to complete the application

5. Assumptions

N/A

6. Concerns and Issues

N/A

**Document Tracking**

| **Version** | **Date of edit/change** | **Who made the edit/change** | **Description of edit/change** |
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