CSC430 - Software Engineering

Online Banking

Deployment Plan

December 2015

Version *<1.0>*

Revision History

**Note**: The revision history cycle begins once changes or enhancements are requested after the Deployment Plan has been baselined.

| Date | Version | Description | Author |
| --- | --- | --- | --- |
| 12/12/2015 | 1.0 | First deployment | Christopher Fajardo |
|  |  |  |  |

Artifact Rationale

The Deployment Plan defines the scope and approach planned for the deployment of project deliverables. The plan includes information about system support, issue tracking, escalation processes, and roles and responsibilities that apply before, during, and after deployment. Its purpose is to provide clients, stakeholders and support personnel with a smooth transition to the new product or software. It should be structured appropriately, to reflect deployment planning for a single location or multiple locations, a single-phase deployment or a multiphase deployment, and should identify the requirements and responsible party for each process step.

Instructions

| Activity | New Capability (A) | Feature Enhancement (B) |
| --- | --- | --- |
| **Field Deployment (1)** | Yes | Yes |
| **Cloud/Web Deployment (2)** | Yes | Yes |
| **Mobile Application (3)** | No | No |

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# Introduction

This document describes the plan to deploy and install the http server and data management service for the mysql part, as managed through the Online Banking project. This document is a companion to the project management plan for this effort.

## Purpose

The purpose of this plan is to provide a single, common document that describes how, when, where, and to whom the Online Banking Project will be deployed and installed. Appropriate communications planning should also be completed, as well as the training plan and rollout schedule.

## Key Definitions

**Deployment Design**. Phase of the solution life cycle in which architectural design and implementation specifications are developed and tested. The preparation of plans and specifications necessary to implement the solution are part of the Deployment Design phase. At the end of the Deployment Design phase, a solution is ready for implementation in the production environment.

**Implementation**. Phase of the solution life cycle in which the newly designed or changed hardware, software, functionality, or process is installed into the production environment and activated. The specifications and plans created during Deployment Design steer the work that is performed during the Implementation phase.

**Release**. Release baseline is defined as the product build (software and hardware specifications) along with the body of documents that support testing, installation, operations, training, and support of the product. Projects will determine the release baseline early in the development cycle. Baseline components enter change control once the project is approved for deployment.

## Plan Overview

Deployment and installation of http server and data service is planned as a online rollout to TD BANK

Deployment will be performed by TD BANK IT team members with representatives from peer organizations, as needed. Installation will be performed by TD IT team members, along with representatives from peer organizations.

## Assumptions

Following is a list of assumptions that may be used as examples for tailoring this section to the specific characteristics and needs of the project. Enter other assumptions as appropriate, and revise or remove those that do not pertain to the project.

The Deployment Plan is developed with the following assumptions:

* Deployment, installation, and ongoing maintenance costs (including capacity planning, recurring costs) will be identified and funded. All funding sources and issues should be resolved and documented prior to deployment and installation.
* Product Development will complete collaborative field testing (site survey) prior to deployment.
* Release Management will certify production readiness based upon the level of testing that has occurred prior to deployment. As part of the release baseline, this information will be identified in the release profile.
* Product Development will provide a training plan prior to deployment.

# Roles and Responsibilities

Table : Deployment Roles and Responsibilities

| ID | Team | Phase / Role | Tasks | Project Phase (See Schedule) |
| --- | --- | --- | --- | --- |
|  | Product Development (depending upon project ownership) | Deployment | Plan and schedule deployment (including orchestration with vendors) | 1st day |
|  | Product Development (depending upon project ownership) | Deployment | Develop O&M Plan | 1st day |
|  | Field Team | Deployment | Test for operational readiness | 1st day |
|  | Field Team | Deployment | Execute deployment | 1st day |
|  | Field Team | Installation | Plan and schedule installation | 1st day |
|  | Field Team | Installation | Ensure authority to operate and that certificate authority (CA)/security documentation is in place | 1st day |
|  | Field Team | Installation | Validate through facility to ensure that IT equipment has been accepted using asset inventory processes | 1st day |
|  | Field Team | Installations | Coordinate training | 1st day |

# Schedule

The Schedule section of this document must be completed for all project types.

This section provides the schedule and milestones for the deployment.

## Timeline - ESE/FO

The deployment and installation is scheduled to run for 30 minutes as depicted in the master deployment schedule .

1. Install XAMPP this will take care of the MySQL, phpmyadmin and apache installation

2. Copy all the files to c:/xampp/htdocs/banking/

3. Create a db named as 'bank\_db' and import the bank\_db.sql from phpMyAdmin.

4. Change the password in \_inc/dbconn.php file accordingly.

5. Visit localhost/banking/adminlogin.php (admin login)

6. Visit localhost/banking/staff\_login.php (staff login)

7. Visit localhost/banking/customer\_login.php (customer login)

# Site Readiness Assessment

This section discusses the locations that will receive the online banking deployment.

All this installment is going to happen at the data center and it department of td bank

## Site Information (Locations, Deployment Recipients.)

All deployments and test is going to be held at the data center it department of the bank

## Site Preparation

.

The following table describes preparation required by the site prior to deployment.

Table : Site Preparation

| Site/Other | Problem/Change Needed | Features to Adapt/Modify to New Product | Actions/Steps | Owner |
| --- | --- | --- | --- | --- |
| Data center | Check for connectivity |  | Check if database is connected |  |
|  |  |  |  |  |
|  |  |  |  |  |

## Assessment of Deployment Readiness

Describe the method used to assess deployment readiness.

# Resources

Hardware, software, systems post-deployment support, and system support roles and responsibilities are defined in the Project OM Plan.

## Facility Specifics (optional)

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The following table lists facility-specific features required for deployment.

Table : Facility-Specific Features

| Site | Space/Room | Features Needed | Other |
| --- | --- | --- | --- |
| n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a |

## Hardware - ESE

Identify the hardware required to run and support the deployment, as required. Specify model, versions, and configurations..

The following table describes hardware specifications required at each site prior to deployment.

Table : Hardware Specifications

| Required Hardware | Model | Version | Configuration | Manufacturer | Other |
| --- | --- | --- | --- | --- | --- |
| Processor: 1 gigahertz (GHz) or faster. | Any | Any | Any | Any | Any |
| * RAM: 1 gigabyte (GB) (32-bit) or 2 GB (64-bit) | Any | Any | Any | Any | Any |
| Free hard disk space: 16 GB. Or more depends of space needed | Any | Any | Any | Any | Any |

Please see the Roles and Responsibilities table in Section 2 for details about who is responsible for preparing the site to meet these hardware specifications.

## Software - ESE

Identify the software required to run and support the deployment, as required. Specify product, versions, and configurations. Provide information about manufacturer support and licensing.

The following table describes software specifications required at each site prior to deployment.

Table : Software Specifications

| Required Software | Make | Version | Configuration | Manufacturer | Other |
| --- | --- | --- | --- | --- | --- |
| Apache httpd | The **Apache**Software Foundation | 2.4.17 | None | None | None |
| Myphpadmin |  | 4.5.2 | None | None | None |
| Notepad++ | Don oh | 6.8.8 | none | none | none |
| mysqp | Oracle corp. | 5.7.10 | none | none | None |
| Windows | microsoft | 10 | none | none | none |

Please see the Roles and Responsibilities table in Section 2 above for details about who is responsible for preparing the site to meet these software specifications.

# Documentation and Training

The Documentation and Training section of this document must be completed for all project types. The PM should tailor these paragraphs according to the characteristics of the project.

This section describes the products and processes planned to provide product documentation and training.

## Training (optional)

There will be tutorials of how to manage the data base with myphpadmin and how to update the database with the mysql management.

# Approval Signatures

This section is used to document the approval of the Deployment Plan during the Formal Review. The review should be conducted face to face where signatures can be obtained ‘live’ during the review, however the following forms of approval are acceptable:

Signed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name Date

Title (Senior Manager from Service Delivery & Engineering)

REVIEW DATE: <date>

SCRIBE: <name>

Signed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Release Manager Date

Signed:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Program Manager Date

Signed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Business Subject Matter Experts Representative Date

Signed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Software Engineering Representative Date

Template Revision History

| Date | Version | Description | Author |
| --- | --- | --- | --- |
| February 2013 | 1.1 | Updated formatting | Process Management |
| January 2013 | 1.0 | Initial Version | PMAS Business Office |