

EOL Enterprise Online Licensing Deployment Plan

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Document History

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Revision History

Version	Revision Date	Summary of Changes	Author
1.0	06/30/2010	Original Document	John Hindman
1.1	07/12/2010	Synchronize with EOL System Architecture Description v9, include reviewer comments	John Hindman
1.2	07/15/2010	include reviewer comments	John Hindman
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Table of Contents

1	Introduction	4
1.1	Purpose of this Document	4
1.2	Scope	4
1.3	Project Director	4
2	Environments	5
2.1	Overview	5
2.2	Environments List	5
3	Deployment Procedure	7
3.1	Deployment Diagram	7
3.2	Deployment Process	8

1 Introduction

1.1 Purpose of this Document

This Deployment Plan should be used as a guide in transferring a commercial off the shelf (COTS) computer application system from the vendor to a State of California data center and operational use as the Enterprise Online Licensing (EOL) system. A series of hardware/software environments are used to progressively develop, test and verify that the application meets all California Department of Public Health (CDPH) requirements. While responsibilities are assigned to each party in the various environments, it is assumed that each will consult with and support the activities of the other. If questions arise, contact the CDPH Project Director.

1.2 Scope

This document is an outline of the Deployment process. Activities of contractors other than the Vendor, e.g., a testing or training contractor, are not broken out individually. For information on State computer environments, consult the procurement document or the Project Director. For information on testing procedures, consult the project test plan.

1.3 Project Director

The Project Director will be announced after the RFP process is complete.

Category	
Name	
Phone	
Email	

2 Environments

2.1 Overview

Listed below are the hardware/system software environments available for vendor and CDPH use during the project. ALL ENVIRONMENTS, INCLUDING THE VENDOR DEVELOPMENT AND TEST ENVIRONMENT AND THE VENDOR INTEGRATION AND SYSTEM TEST ENVIRONMENTS, ARE LOCATED AT AND HOSTED BY THE STATE OF CALIFORNIA OFFICE OF TECHNOLOGY SERVICES (OTech). Identified vendor staff will have full access to the Development and Test and the Integration and System Test environments. Access to the Data Conversion environment will be shared. Access to the Training environment will be determined later based on a better understanding of the training approach to be used for EOL. All other environments are controlled by State staff only. The vendor can access these environments only after being granted special permissions and access by the State staff.

State staff seeks to ensure that all environments are in compliance with technical guidelines and application requirements. Every environment has a standard configuration for the application and its environment. Changes to the standard configuration need to be managed carefully so as not to introduce incompatibilities and configuration problems between environments.

2.2 Environments List

1. Development and Test

This environment will be used by the EOL vendor's development team to adapt their COTS system to the State environment and to develop, configure, customize and test the EOL application software for CDPH's needs.

2. Integration and System Test

This environment will be used by the EOL vendor's development team to conduct integration testing and system testing. This environment will also be multi-tier to reduce the risk of configuration issues.

3. Acceptance Test

This environment will be used by CDPH's Acceptance Testing team to conduct acceptance tests of the new system. This testing will include performance and volumetric testing of EOL. This environment will also use the multi-tier configuration.

4. Pre-production Staging

This environment will be used for final testing of new versions of the EOL application before installation to Production. The Pre-production Staging environment will be configured the same as the Production environment to minimize the opportunity for configuration issues when the EOL system is migrated to Production. This environment will be needed on an on-going basis.

5. Production

This environment will be used to support the live EOL system.

In addition to Web, Application and Database servers, the production environment will also include a server used for the storage of documents and images linked to license and licensee records in the production system.

6. Training

Training of CDPH program staff on the new system will occur over several years as each CDPH program transitions to EOL. This environment will be used to support training of the CDPH staff that will be using the EOL system. It may also be used to support training of external business partners.

Without input from the selected EOL vendor, the best configuration of this environment cannot be determined at this time. CDPH assumes that the Training environment will consist of one server. CDPH will ask the EOL vendor to make a recommendation on the configuration of the Training environment.

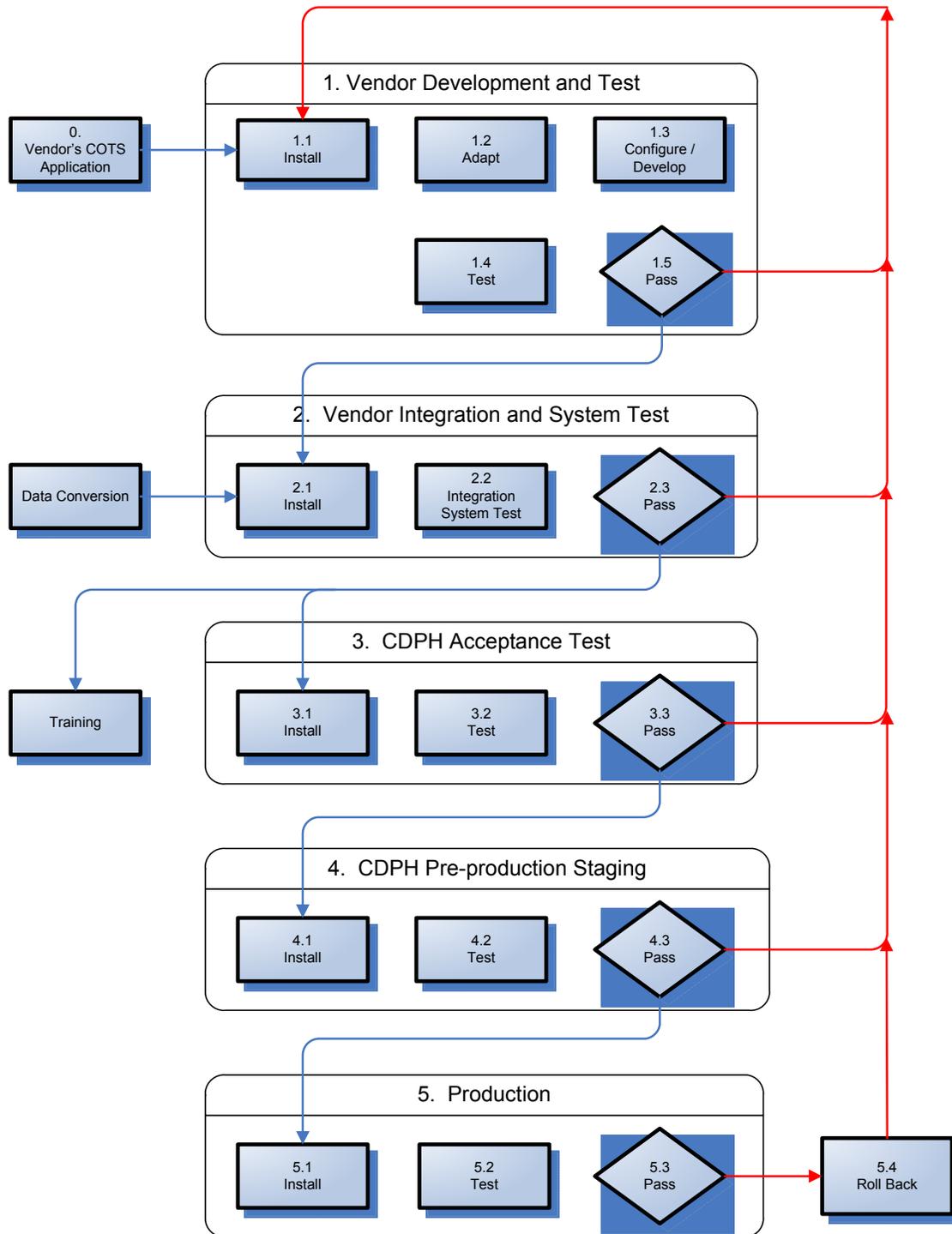
7. Data Conversion

The migration of CDPH's license data from existing systems to the EOL system will occur over several years as each CDPH program transitions to EOL. For data conversion, CDPH's plan is for State staff to prepare extract files of license data from existing systems that will be used by the EOL vendor to import this data into the new system. The Data Conversion environment will be a landing zone for the data extract files prepared by CDPH staff from existing systems. The EOL vendor will pick up these files and run their conversion routines to incorporate the data into the new EOL system.

This environment does not need to be multi-tier. One server should be adequate. Access to the files on this server will be carefully controlled so that files are accessible only by authorized staff.

3 Deployment Procedure

3.1 Deployment Diagram



3.2 Deployment Process

State/Vendor Responsibility Codes:

- R Responsible for performing the activity
- C Consultation/coordination about the activity is anticipated
- I Informed about the activity

Line numbers refer to the Deployment Diagram. Consult the Project Management Plan for more detailed information.

Line	Step	Responsibility	State	Vendor
0	Vendor's COTS System	Vendor's previously developed and tested Commercial Off The Shelf (COTS) software specified in the vendor's bid.	I	R
1.1	Install	Vendor installs the COTS application software in the Development and Unit Test environment at OTech.	I	R
1.2	Adapt	Vendor staff adapt and configure the COTS system as needed to function in the OTech environment.	C	R
1.3	Configure / Develop	Vendor makes any changes needed for successful accomplishment of EOL system/phase requirements.	C	R
1.4	Test	Vendor unit tests the system/phase.	C	R
1.5	Pass	If the system/phase passes all tests, the Vendor may identify it for installation in the Vendor Integration and System Test environment. If not, it returns to the 1.2 Adapt process.	C	R
2.1	Install	Vendor installs the EOL application software in the Vendor Integration and System Test environment at OTech.	I	R
2.2	Integration System Test	The Vendor development team will conduct integration testing and system testing.	C	R

Line	Step	Responsibility	State	Vendor
2.3	Pass	If the system/phase passes all tests, the Vendor may identify it for installation in the CDPH Acceptance Test environment. If not, it returns to the 1.2 Adapt process.	C	R
3.1	Install	State staff installs the EOL application software in the CDPH Acceptance Test environment at OTech. CDPH staff configures the application and its environment per written instructions from the vendor.	R	C
3.2	Test	EOL staff, CDPH licensing program SMEs and EOL business partner SMEs perform the acceptance test for the system/phase.	R	C
3.3	Pass	If the system/phase passes all tests, CDPH identifies it for installation in the CDPH in the Training and Pre-production Staging environments. If not, it returns to the 1.2 Adapt process.	R	C
4.1	Install	State staff installs the EOL application software in the CDPH Pre-production Staging environment at OTech. CDPH staff configures the application and its environment per written instructions from the vendor.	R	I
4.2	Test	EOL staff and CDPH licensing program SMEs perform final testing of new versions of the EOL application before installation to Production. Every effort is made to configure the Pre-production Staging environment to be the same as the Production environment to minimize the opportunity for configuration issues when the EOL system is migrated to Production.	R	I
4.3	Pass	If the system/phase passes all tests, CDPH may be identify it for installation in the CDPH Production environment. If not, it returns to the 1.2 Adapt process.	R	I

Line	Step	Responsibility	State	Vendor
5.1	Install	State staff installs the EOL application software in the CDPH Production environment at OTech. CDPH staff configures the application and its environment per written instructions from the vendor.	R	I
5.2	Test	CDPH IT staff perform a limited test/regression test to ensure that the installation in Production was complete and successful.	R	I
5.3	Pass	If the system/phase passes all tests, CDPH may initiate Production operations. If not, it returns to the 1.2 Adapt process and the 5.4 Roll Back process is initiated.	R	I
5.4	Roll Back	The tested system version is replaced in the Production environment by the previous version.	R	I
	Data Conversion	State staff will prepare extract files of license data from existing systems and add them to the Data Conversion environment. The EOL vendor will pick up these files and run their conversion routines to incorporate the data into the EOL system/phase.	R C	C R
	Training	Training of CDPH program staff on the new system will occur over several years as each CDPH program transitions to EOL. This environment will be used to support training of the CDPH staff that will be using the EOL system. It may also be used to support training of external business partners.	R	C