

LAB 5: Deployment

1. OBJECTIVES

- 1.1 Package system binaries and deploy to hardware
- 1.2 Prepare demo sequence
- 1.3 Prepare system and sub-system documentation for delivery

2. INTRODUCTION

- 2.1 In the previous lab session, integration tests and system tests were performed to verify the system against design specifications. It is now time to prepare the system for presentation to the client.
- 2.2 Re-visit the initial high-level requirements given by the client and ensure that all the functional and non-functional requirements can be traced to implementation in the system.
- 2.3 As the time allocated to the demo is limited, prepare the material and sequence of the demo carefully, so that the salient features of your company's system may be highlighted to the client, amongst competing alternatives from other companies.

3. PROCEDURE

3.1 *Package system binaries and deploy to hardware*

- 3.1.1 Package the system binaries (made up of binaries from every subsystem) and associated configuration files. From the database, export the schema and any test data required for the demo.
- 3.1.2 Deploy the packaged binaries and files onto the designated hardware. The database shall be created from the exported schema and populated with test data.
- 3.1.3 Run a few smoke tests to quickly verify the installation.

3.2 *Prepare demo sequence*

- 3.2.1 Craft the demo script and sequence so that you maximise the opportunity to present your company's system to the client.
- 3.2.2 The client eager to see how well the various specified requirements, functional and non-functional, can be met in your system. Demonstrate the various usage scenarios provided by the client.
- 3.2.3 In the presentation, highlight innovative solutions in the system, as well as, elements of good design.

3.3 *Prepare system and sub-system documentation for delivery*

- 3.3.1 Re-visit the work products from the previous lab sessions to ensure that they are complete and sufficient for delivery.
- 3.3.2 Ensure that the source code and test-related code are properly documented. Generate the javadoc to check.
- 3.2.3 The author(s) for each work product must be clearly indicated.

4. **DELIVERABLES**

- Binaries, configuration files, scripts for demo in SVN
- Demo sequence