Sri Lanka Institute of Information Technology

MSc in Information Technology
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Software Engineering Practices (IT5030)
The Deployer – Product Setup Guide

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Prerequisite

- Google Chrome Version 90
- Putty/Xshell to log in to EC2 Linux servers

In order to execute the **the deployer** tool; List of prerequisites must be fulfilled. First step is to create a folder structure and environmental profiles

Required java version: jdk 1.8 or above

Directory Hierarchy

Below directories and files need to be in the same directory level.

the_deployer.jar – The executable jar file

conf – Holds all TravelBox environment profiles

METERIALS - All deployment components will be placed in here, within that below mentioned directories has to be created.

> **METERIALS\BACKUP** - To store backup release components
> **METERIALS\RELEASES**   - To upload releases materials
> **METERIALS\TEMP**   - Mange temporary files during release installation
> **METERIALS\LOGS**   - Log files store path
> **METERIALS\ADHOCREL**   - To upload ADHOC releases

How to run

\<JDK Home\>/bin/java -jar the_deployer.jar Ddeployer.home="/SRC/"

Tool features

i.   Rule based multiple host deployment is enabled

ii.   Rule based backup process

iii.   Use secure tunnelling for deployment and backup – Under construction

iv.   Checking the communication flow before any deployment process starts.

v.   TBX_JARS(Clients) deployment in remote servers, automatically process the agent.xml file and is uploaded to multiple servers – Under construction

Release Upload Process

Codegen support division handles the upload process and follow the following folder pattern.

ie: Release date and the Release version.

```
METERIALS\RELEASES    -20120314_4.11.0
                       -20120314_4.11.1
                       -20120314_4.11.2


METERIALS\RELEASES - 20120314_4.11.0    -CLIENTS
                                        -SERVICES
                                        -SCHEDULARS
                                        -DB_SCRIPTS
                                        -LIBS
```

Build a Deployment Profile

This is a onetime work. All the profiles are stored under the directory **conf**, you can use sample profile and build yours

Inside of the **conf** create a directory with hostname

Ex: conf/<hostname>

Now within the new directory with hostname you have to create two property files one to hold release version and other to specify the Backup and Deployment rules

Ex: test-project. properties and **test-project. version**

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