Oracle WebCenter Portal Jump Start Kit (JSK) Readme for Linux 64-bit Operating Systems 11.1.1.8.0

Overview

The Jump Start Kit (JSK) for WebCenter Portal is a utility that installs a fully functional version of WebCenter Portal pre-integrated with Oracle WebCenter Content, including key features enabled and preconfigured, all within a single machine instance (virtual or physical). The JSK supports Linux x86-64. It also includes a series of templates, examples, and lesson guides to walk you through a series of typical use cases. It is targeted to developers only, and is not supported for production use.

The WCPortal_`JSK_Linux_x86-64.zip` file includes:

`README_WCPortal_JSK_Linux.x86-64.txt`   (txt readme file)

`README_WCPortal_JSK_Linux.x86-64.pdf`   (pdf readme file)

`linux64/`   (directory containing JSK support scripts and files)

`resources/`   (directory containing JSK resources)

`runme`   (script to start the JSK)

Requirements

Before performing any installation, you must read Oracle Fusion Middleware System Requirements and Specifications and Oracle Fusion Middleware Supported System Configurations to ensure that your environment meets the minimum installation requirements for the products you are installing. Both of these documents are available on Oracle Technology Network (OTN) at
http://docs.oracle.com/cd/E29542_01/index.htm

The system requirements document covers information such as hardware and software requirements, minimum disk space and memory requirements, as well as required system libraries, packages, or patches.

The JSK has the following additional requirements:

"`unzip`" tool   (`/usr/bin/unzip`)

"`java`" 1.5 or above   (`/usr/bin/java -version`)

"`expect`" version 5.43.0 or above (`/usr/bin/expect -version`)

"`Python`" 2.4.3   (`/usr/bin/python -V`)

Minimum 6GB memory for Oracle WebCenter Portal products in addition to the memory required by Operating System runtime

How to Use the JSK

1. Download WebCenter Portal Release 11g R1 (11.1.1.8.0) and its pre-requisites from OTN, and place all the software into a single directory. You must download the "Linux x86-64" version of

the software. For the database, make sure you download the Oracle Database 11g Release 2 (11.2.0.1.0) for Linux x86-64. All these downloads are available from the [WebCenter Portal JSK page](#) on OTN.

You need the following software:

i. Oracle Database 11g Release 2 (11.2.0.1.0) for Linux x86-64 Part 1 of 2
   Size: 1239269270 bytes, Check Sum: 3152418844

ii. Oracle Database 11g Release 2 (11.2.0.1.0) for Linux x86-64 Part 2 of 2
   Size: 1111416131 bytes, Check Sum: 3669256139

iii. Oracle WebLogic Server 11g R1 (10.3.6)
   Size: 1068506707 bytes, Check Sum: 3179053739

iv. Repository Creation Utility (11.1.1.8.0) for Linux 64
   Size: 520943520 bytes, Check Sum: 135480844

v. Oracle WebCenter Content 11g R1 11.1.1.8.0 Part 1 of 2
   Size: 2055031621 bytes, Check Sum: 663774895

vi. Oracle WebCenter Content 11g R1 11.1.1.8.0 Part 2 of 2
   Size: 458854564 bytes, Check Sum: 2692245090

vii. Oracle Fusion Middleware Web Tier Utilities 11g R1 (11.1.1.7.0)
   Size: 1802723467 bytes, Check Sum: 3522685105

viii. Oracle WebCenter Portal 11.1.1.8.0
   Size: 2103497752 bytes, Check Sum: 3784617323

ix. Oracle JRockit 6 - R28.2.7
   Size: 130452050 bytes, Check Sum: 1442260722

2. Create a directory for the JSK to install the software into. You will use this location when invoking the `runme` script.

3. Unzip WCPortal_JSK_Linux_x86-64.zip, and change the working directory to where you unzipped WCPortal_JSK_Linux_x86-64.zip.

4. Invoke the JSK `runme` script to install and configure Oracle WebCenter Portal 11.1.1.8.0 software using the following directions.

Usage of `runme` script

```
prompt> ./runme DOWNLOAD_DIR=<download_dir> INSTALL_DIR=<install_dir>
[HTTP_SERVER_NAME=<host_name>]
```

where

<download_dir> is the directory containing the Oracle software downloaded from OTN for use with this JSK.

<install_dir> is the directory where the Oracle software needs to be installed.

<host_name> is an optional parameter used to specify the desired server accessing the installed software. This must be a valid alias for the host.

For example, if you downloaded the software from OTN into /u01/oracle/software, and wish to install the product under /u01/app/oracle/product/webcenter, then you would issue the following command:

```
prompt> ./runme DOWNLOAD_DIR=/u01/oracle/software
INSTALL_DIR=/u01/app/oracle/product/webcenter
HTTP_SERVER_NAME=portal.oracle.com
```

5. The JSK prompts the user for an Instance Password to use for the Oracle WebLogic Administration Server and the Database schemas. This password must be at least 8 characters.

The JSK requires 'sudo' privilege to install. The OS user installing WebCenter Portal must have this privilege. The JSK will prompt the OS user to enter this password during installation.

Installed Software

The JSK installs and configures the following software:

- Oracle Database (configured for Oracle WebCenter Portal)

- Oracle WebCenter Portal

- Oracle WebCenter Content Server

- Oracle WebCenter Inbound Refinery (IBR) Server

- Oracle WebCenter Portal Tools

- Oracle WebCenter Custom Portal

- Oracle Enterprise Manager

- Oracle HTTP Server

After installation

- Details about the installed instance, including URL's can be found in the following file:

  <JSK_SCRIPTS_DIR>/linux64/JSKInstallationSummary.html

  <JSK_SCRIPTS_DIR> is the directory where you unzipped WCPortal_JSK_Linux_x86-64.zip.

- Standard Oracle administrative tools like Oracle WebLogic Administration Console and Oracle Enterprise Manager can be used to start, stop and configure the installation.

- If your system has the minimum memory configuration (< 10GB), the JSK only starts up the Database, WebCenter Portal, Content Server, IBR Server, Enterprise Manager (Admin Server), and HTTP Server.

- If your system has more than 10GB of memory available for Oracle WebCenter Portal products then all installed servers are started up.

- The JSK maintains install and configuration details in a directory called 'logs', located in the same where the JSK was invoked. If something fails, these logs can be scanned to find more details. For e.g. the database install could fail if some key database pre-requisites are not met. The file install_setup.log is typically the starting point for such diagnostics, but may require looking at other logs. Searching for string patterns like fail/error typically helps isolate the problem.

- As part of its process, the JSK unzips the Oracle software prior to installation. If `<download_dir>` has write privileges, then the software is unzipped in that directory. If not, the JSK defaults to unzipping software to `<install_dir>`. This process creates sub-directories called DB, RCU, WEB, UCM and WC. After installation is complete, you may choose to delete these directories.