Install Document Manual

Crystal Cockpit

University Of Wollongong

CSCI321-JG1

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Crystal Cockpit (cc) for Installation Manual

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1 Introduction

1.1 Purpose

This document is provided how to install Crystal Cockpit (cc), as normal users and/or developers. In this document, list all necessary software and drive to setup Crystal Cockpit. This document help user to setup our program easily. Installation guide show step by step to set up into users interface and/or developers interface.

2 Installation Manual

Crystal Cockpit installation guide provide the delivery with accurate, exhaustive, complete and clear installation instructions.

The main components are the following:

- Prerequisites

- Install procedure from DVD for user

- Install procedure from DVD for developer

- Install procedure for user

- Install procedure for developer

- Rollback or Un-install procedure

- Tests

2.1 Pre-requisites

If you have CD all requirement software and libraries are in the CD therefor you can skip steps from 2.1 and you have to follow step from 2.2 and 2.3 (you have to skip 2.4 and 2.5). To run the test cases follow the step from 2.6.

If you would like to download from website, you need to follow step from 2.1, 2.4 and 2.6 (you have to skip 2.2 and 2.3). To run the test cases follow the step from 2.6.

Software application users, who want to install Crystal Cockpit to manage their database.

1) Download Installer List that provide in **Table1** and **no need** to download drivers and NetBeans.

2) Download executable jar file from http://csci321-jg1-storage-manager-for-relational-dbms.googlecode.com/svn/trunk/excutable-jar/

Developers, who want to setup Crystal Cockpit code in to their own environment.

1) Download installer and drivers / libraries that provide in **Table1** and **Table2**.

2) Download CrystalCockpit.zip from http://csci321-jg1-storage-manager-for-relational-dbms.googlecode.com/svn/trunk/ProjectZipForImport/

Download all necessary software, .jar and libraries that provide the list below.

Installer List	URL – Download Link
Operating System (Min Windows XP)	http://windows.microsoft.com/en-AU/Windows7/products/home
Oracle 11 g r 2	http://www.oracle.com/technetwork/database/enterprise-edition/downloads/index.html
NetBeans 7.3	https://netbeans.org/downloads/
MySQL 5.5.8	http://downloads.mysql.com/archives.php?p=mysql-5.5&v=5.5.8
JDK1.7	http://www.oracle.com/technetwork/java/javase/downloads/index.html

Table1: Installer List

Drivers/ Libraries List	URL – Download Link
Sigar-1.6.4	http://www.java2s.com/Code/Jar/s/sigar.htm
Ojdbc6.jar	http://www.oracle.com/technetwork/database/enterprise-edition/jdbc-112010-090769.html
MySQL connector/J5.1 .26	http://dev.mysql.com/downloads/connector/j/
Swingx-0.9.2	http://grepcode.com/snapshot/repo1.maven.org/maven2/org.swinglabs/swingx/0.9.2
Classes12.jar	http://www.oracle.com/technetwork/database/enterprise-edition/jdbc-10201-088211.html

Table2: Drivers/Libraries List

Alternative way to download Drivers/Libraries

All this software can download from Crystal Cockpit Website also

- Drivers/Libraries list zip http://csci321-jg1-storage-manager-for-relational-dbms.googlecode.com/svn/trunk/Lib/

2.2 Installation Procedure from DVD for Software Users

Step1: Install **Oracle 11g r2** (this software is not included in DVD you can download it from website). Click here for installation guide for Oracle

http://www.oracle.com/pls/db112/portal.portal_db?selected=11 . If you already have oracle ignore this Step.

Step2: If you wish like to use migration Table from Oracle to MySQL, install

MySQL 5.5.8 (open DVD > software > mysql-5.5.8-winx64.exe). If not you can ignore this step. Click here for installation guide for MySQL

http://downloads.mysql.com/docs/mysql-installation-excerpt-5.5-en.pdf .

Step3: Install **JDK7** (this software is not included in DVD you can download it from website). Click here for installation guide for JDK7

http://docs.oracle.com/javase/7/docs/webnotes/install/ . If you already have JDK7

ignore this Step.

Step4: Download **Crystal Cockpit executable Jar** folder from (DVD >

ExecutableJar) to your local drive. Just double click on CrystalCockpit.jar.

2.3Installation Procedure from DVD for Developers

Step1: Install **Oracle 11g r2** (this software is not included in DVD you can download

it from website). Click here for installation guide for Oracle

http://www.oracle.com/pls/db112/portal.portal_db?selected=11 . If you already have

oracle ignore this Step.

Step2: If you wish like to use migration Table from Oracle to MySQL, install

MySQL 5.5.8 (open DVD > software > mysql-5.5.8-winx64.exe). If not you can

ignore this step. Click here for installation guide for MySQL

http://downloads.mysql.com/docs/mysql-installation-excerpt-5.5-en.pdf .

Step3: Install **JDK7** (this software is not included in DVD you can download it from

website). Click here for installation guide for JDK7

http://docs.oracle.com/javase/7/docs/webnotes/install/ . If you already have JDK7

ignore this Step.

Step4: Install **NetBeans 7.3** (DVD > Software > netbeans-7.3-windows.exe).

Installation guide for NetBeans7.3 is

https://netbeans.org/community/releases/73/install.html. If you already have it, ignore

this Step.

Step5: Import Project into NetBeans. Download project zip (DVD >

CrystalCockpit.zip) into your local drive.

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- Open NetBeans IDE

- Click on File->Import Project -> From ZIP. Refer to **Figure 1**.

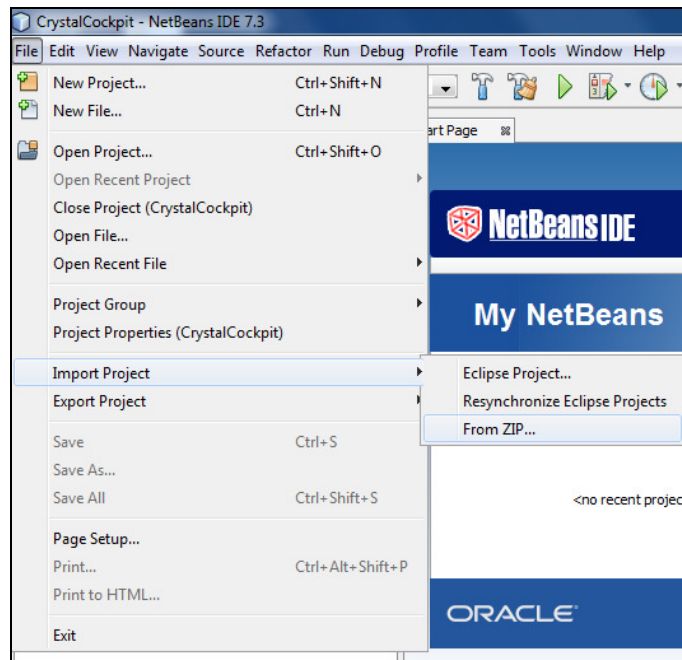- Select CrystalCockpit.zip that Downloaded just now.

Figure 1: Import Project to NetBeans

Note: Before you import the libraries please download the whole libraries folder from (DVD > Libraries) into your local drive.

Step6: Add **Sigar 1.6.4.jar** library

- Right click on Libraries -> select 'Add JAR/Folder' (refer to **Figure 2**)

- Select on Localdrive///hyperic-sigar-1.6.4/sigar-bin/lib/sigar.jar that downloaded just now.

Step7: Add **Ojdbc6.jar** library

- Right click on Libraries -> select 'Add JAR/Folder' (refer to **Figure2**)

- Select on Ojdbc6.jar that downloaded just now.

Step8: Add **MySQL connector/J5.1.26** library

- Install mysql-connector-java-gpl-5.1.26.exe that downloaded just now

- Right click on Libraries -> select 'Add JAR/Folder' (refer to **Figure2**)

- Select on

C:\Program Files (x86)\MySQL\MySQL Connector J\ mysql-connector-java-5.1.26-bin.jar

Step9: Add **Swingx-0.9.2.jar** library

- Right click on Libraries -> select 'Add JAR/Folder' (refer to **Figure2**)

- Select on Swingx-0.9.2.jar that downloaded just now.

Step10: Add **Classes12.jar** library

- Right click on Libraries -> select 'Add JAR/Folder' (refer to **Figure2**)

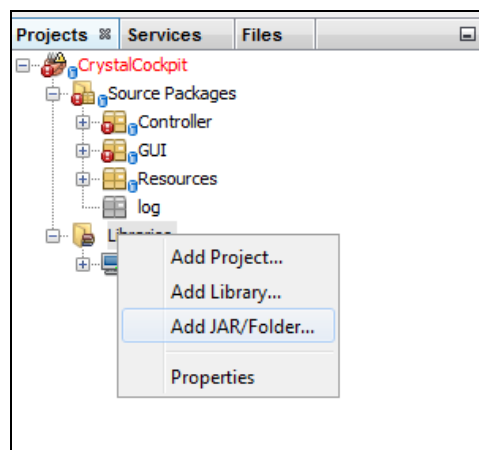- Select on Classes12.jar that downloaded just now.

Figure 2: Add Libraries

2.4 Installation Procedure for Software Users

Step1: Install **Oracle 11g r2**. Click here for installation guide for Oracle

http://www.oracle.com/pls/db112/portal.portal_db?selected=11 . If you already have

oracle ignore this Step.

Step2: If you wish like to use migration Table from Oracle to MySQL, install

MySQL 5.5.8. If not you can ignore this step. Click here for installation guide for

MySQL http://downloads.mysql.com/docs/mysql-installation-excerpt-5.5-en.pdf .

Step3: Install **JDK7**. Click here for installation guide for JDK7

http://docs.oracle.com/javase/7/docs/webnotes/install/ . If you already have JDK7

ignore this Step.

Step4: Download **Crystal Cockpit executable Jar** file from http://csci321-jg1-

storage-manager-for-relational-dbms.googlecode.com/svn/trunk/excutable-jar/ or you

can unzip the folder and just double click on CrystalCockpit.jar.

2.5Installation Procedure for Developers

Step1: Install **Oracle 11g r2**. Click here for installation guide for Oracle

http://www.oracle.com/pls/db112/portal.portal_db?selected=11 . If you already have

oracle ignore this Step.

Step2: If you wish like to use migration Table from Oracle to MySQL, install

MySQL 5.5.8. If not you can ignore this step. Click here for installation guide for

MySQL http://downloads.mysql.com/docs/mysql-installation-excerpt-5.5-en.pdf .

Step3: Install **JDK7**. Click here for installation guide for JDK7

http://docs.oracle.com/javase/7/docs/webnotes/install/ . If you already have JDK7

ignore this Step.

Step4: Install **NetBeans 7.3**. Click here, installation guide for NetBeans7.3.

https://netbeans.org/community/releases/73/install.html. If you already have it, ignore

this Step.

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Step5: Import Project into NetBeans. Download project zip at http://csci321-jg1-

storage-manager-for-relational-dbms.googlecode.com/svn/trunk/ProjectZipForImport/

- Open NetBeans IDE

- Click on File->Import Project -> From ZIP. Refer to **Figure 1**.
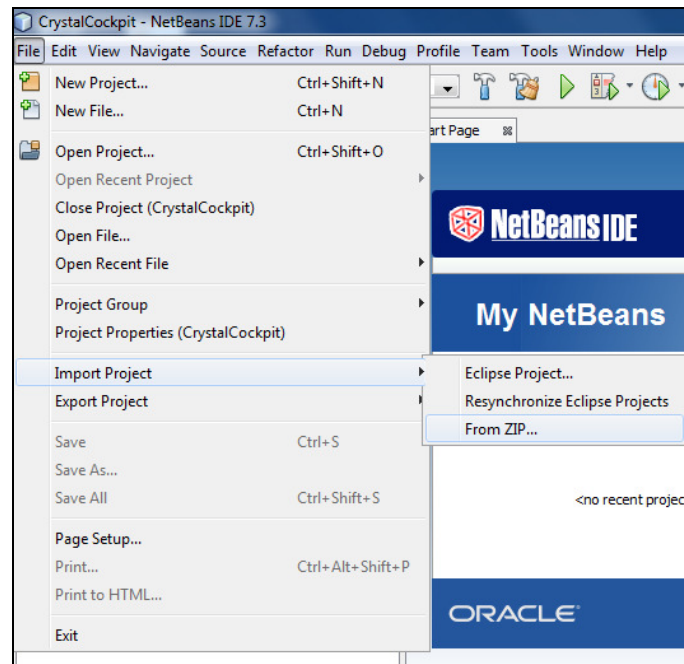
- Select CrystalCockpit.zip that Downloaded just now.

Figure 3: Import Project to NetBeans

Step6: Add **Sigar 1.6.4.jar** library

- Right click on Libraries -> select 'Add JAR/Folder' (refer to **Figure 2**)

- Select on //hyperic-sigar-1.6.4/sigar-bin/lib/sigar.jar that downloaded just now.

Step7: Add **Ojdbc6.jar** library

- Right click on Libraries -> select 'Add JAR/Folder' (refer to **Figure2**)

- Select on Ojdbc6.jar that downloaded just now.

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- Install mysql-connector-java-gpl-5.1.26.exe that downloaded just now

- Right click on Libraries -> select 'Add JAR/Folder' (refer to **Figure2**)

- Select on

C:\Program Files (x86)\MySQL\MySQL Connector J\ mysql-connector-java-5.1.26-bin.jar

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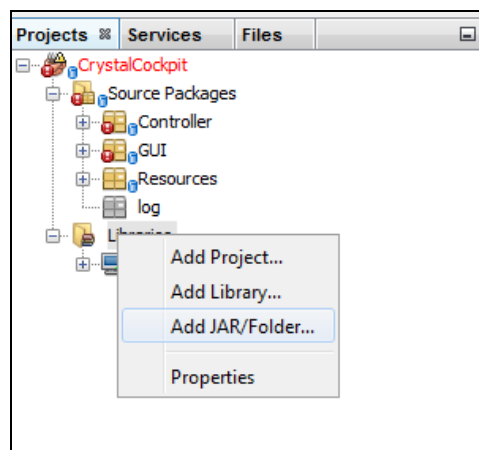- Select on Classes12.jar that downloaded just now.

Figure 4: Add Libraries

2.6 Run Test Cases by Developers

To run the test cases from NetBeans IDE. Select of Crystal Cockpit project and press Alt+F6 (or) right click on Crystal Cockpit project and select 'Test'.

The result will show at the side. See example at **Figure 3**.

Note: when you run test cases you will see two errors dialog box, just click 'OK' on it.
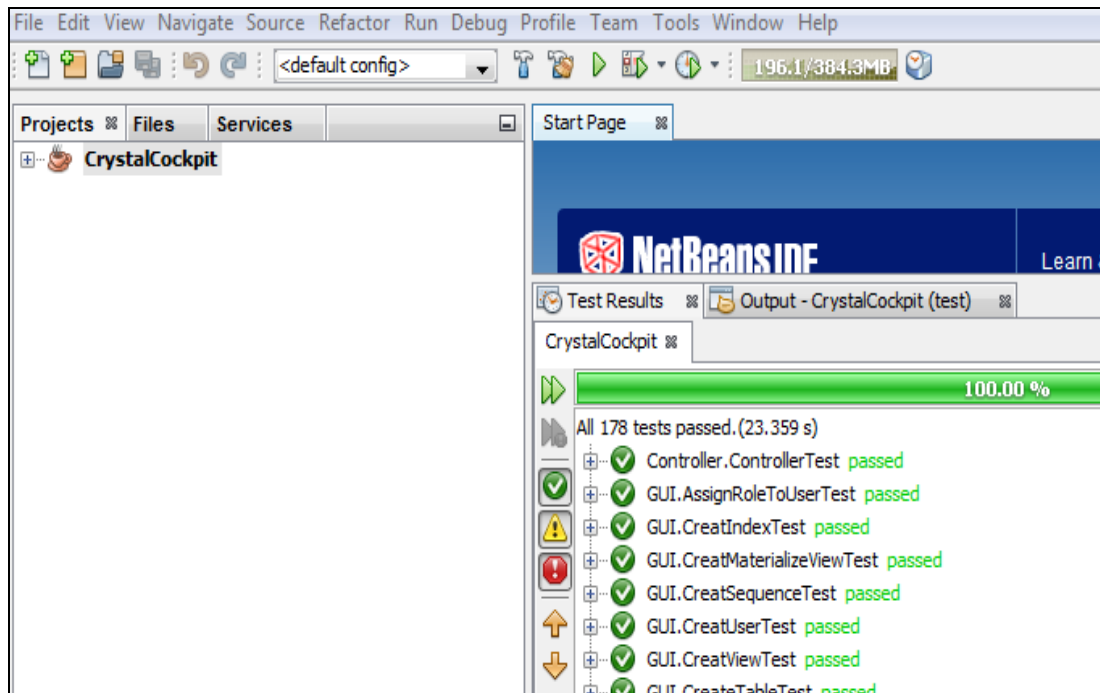
Figure 5: Test Result

2.7 Uninstall or Roll-back

Software User: Just delete the executable jar file from your drive.

Developers: Open NetBeans IDE and right click on Crystal Cockpit project and select

'Delete'.

To uninstall the rest of the software

- Click on Start -> Control Panel -> Programs and Features
- Select software that you want to uninstall
- Click on Uninstall button at the top

3 Conclusion

When you face problem in installation or uninstall program free feel to contact us.
And if you need more documentation like technical manual and user manual please
download it on http://zim.cs.uow.edu.au:50321/~cs321jg1a/documentation.html.
Contact information are:

- Nan Noon Noon (Project Manager/Tester) nnn326@uowmail.edu.au,
- Shan Mey Yew (Coder / Secretary) smy372@uowmail.edu.au,
- Behzad Khalili Garekani (Lead Developer) bkg988@uowmail.edu.au,
- Andre Khoury (Lead Designmer) ak849@uowmail.edu.au.