Appendix A - Install Worksheet

One of the benefits of the i2b2 software is its flexibility in that it is completely customizable to meet the needs of your institution. This flexibility means there are a number of configurable settings that need to be modified with your site specific information. This worksheet is designed to assist you with keeping track of the various directories, ports, hosts and database settings that are specific to your environment. These variables are referenced in the i2b2 Installation document and the values will be needed when configuring your i2b2 database(s) and software for installation.

Tip

You may want to use this worksheet in conjunction with *Appendix B - i2b2 Installation Checklist*.

Location of Software Directories

During the installation you will be downloading and extracting software that will be used during the installation process. The following table will help you keep track of where this software is located in your environment.

Software	Reference in i2b2 Document	Root Directory Path
JAVA (JDK) 8	YOUR_JAVA_HOME_DIR	
wildfly-17.0.0.Final	YOUR_JBOSS_HOME_DIR	
Apache Ant	YOUR_ANT_HOME_DIR	
i2b2 Database Scripts	YOUR_I2B2_DATA_DIR	
i2b2 Source Code	YOUR_I2B2_SRC_DIR	
i2b2 Web Client Directory (Source Code)	YOUR_I2B2_WC_DIR	
i2b2 Workbench	YOUR_I2B2_WB_DIR	

Example Locations

The following table contains the location examples provided in the installation documentation.

Software	Reference in i2b2 Document	Root Directory Path (Linux)	Root Directory Path (Windows)
JAVA (JDK) 8	YOUR_JAVA_HOME_DIR	/opt/Java/jdk1.8.0_231/	C:\Program Files\Java\jdk1.8.0_231\
wildfly-17.0.0.Final	YOUR_JBOSS_HOME_DIR	/opt/wildfly-17.0.0.Final/	C:\opt\wildfly-17.0.0.Final\
Apache Ant	YOUR_ANT_HOME_DIR	/opt/apache-ant-1.9.6/	C:\opt\apache-at-1.9.6\
i2b2 Database Scripts	YOUR_I2B2_DATA_DIR	/opt/data/	C:\opt\data\
i2b2 Source Code	YOUR_I2B2_SRC_DIR	/opt/i2b2/	C:\opt\i2b2\
i2b2 Web Client Directory (Source Code)	YOUR_I2B2_WC_DIR	/opt/webclient/	C:\opt\webclient\
i2b2 Workbench	YOUR_I2B2_WB_DIR	/applications/	C:\Program Files\

WildFly Port Settings

The following table can be used to keep track of the ports in your environment.

Name	JBoss Default Port	i2b2 Default Port	Your Port
ajp	8008	9009	
http	8080	9090	

Host and Domain Settings

The following table can be used to keep track of your host and domain information for the i2b2 Administration Module and Web Client.

Client	IP Address / Hostname	Domain	i2b2 Host (name)

i2b2 Pre-configured (Default) Host and Domain Settings

Client	IP Address / Hostname	Domain	i2b2 Host (name)
i2b2 Admin	127.0.0.1	i2b2demo	i2b2demo
i2b2 Web Client	services.i2b2.org 127.0.0.1	i2b2demo i2b2demo	HarvardDemo i2b2demo (1.7)

Cell Locations

The i2b2 cells can be installed on different machines in your environment. The location of the cells are needed when configuring the different property files as well as setting up your cells in i2b2 Admin. You can use the following table to keep track of where these cells are installed in your network.

Name	Cell ID	Default Cell Location *(Hostname:Port)*	Your Cell Location *(Hostname:Port)*
Data Repository Cell	CRC	localhost:9090	
File Repository Cell	FRC	localhost:9090	
Identity Management Cell	IM	localhost:9090	
Ontology Management Cell	ONT	localhost:9090	
Project Management Cell	PM	localhost:9090	
Workplace Cell	WORK	localhost:9090	

Database Drivers

Incorrect driver information in a configuration file is often the source of database connection errors. The following table is a guide for you to reference when setting your database properties and configuring you data sources.

Type of Database	JDBC (URL)	Driver-Class	Driver
Oracle	oracle:thin	oracle.jdbc.driver.OracleDriver	ojdbc6.jar
PostgreSQL	postgresql	org.postgresql.Driver	postgresql-9.2-1002.jdbc4.jar
SQL Server	sqlserver	com.microsoft.sqlserver.jdbc.SQLServerDriver	sqljdbc4.jar

Database Location / Configuration / Users

Each cell has a set of tables that are created and loaded with data during the Data Installation chapter. The location of these tables, the name of the database / schema as well as the user information is captured when configuring each cell for installation. The following table will help you keep track of the database / schema names, their locations and the database user for each grouping of i2b2 Data Tables.

Note

i2b2 is fairly flexible in that it does not require all your data tables to reside in the same location. For instance, you may want to install the PM data tables in a different location than those for the Ontology Cell. If this is the case then the following table can help you keep track of the different tables are installed.

i2b2 Data Tables	Database / Schema Name	Database Location *(Host:Port)*	Database Username	Database Password	Project
Crcdata					
Hivedata					
Imdata					
Metadata					
Pmdata					
Workdata					

i2b2 Demo Data Default Configuration

The following table outlines the default configurations that are delivered with the i2b2 software. It is configured for the i2b2 demo domain as a local host.

i2b2 Data Tables	Database / Schema Name	Database Location *(Host:Port)*	Database Username	Database Password	Project
Crcdata	i2b2demodata	localhost:1521	i2bdemodata	demouser	demo
Hivedata	i2b2hive	localhost:1521	i2b2hive	demouser	
Imdata	i2b2imdata	localhost:1521	i2b2imdata	demouser	demo
Metadata	i2b2metadata	localhost:1521	i2b2metadata	demouser	demo
Pmdata	i2b2pm	localhost:1521	i2b2pm	demouser	
Workdata	i2b2workdata	localhost:1521	i2b2workdata	demouser	demo