SITE Product Integration Environment

# Standard Technology Stack

The SITE application is developed with a Java/Liferay technology stack. The following tools are utilized in the development of the system.

## Application Development Environment

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| --- | --- | --- |
| Product | Version | Download URL |
| Java SDK | 6 | <http://www.oracle.com/technetwork/java/javasebusiness/downloads/java-archive-downloads-javase6-419409.html#jdk-6u45-oth-JPR> |
| Java SDK | 7 | <http://download.oracle.com/otn-pub/java/jdk/7u40-b43/jdk-7u40-windows-x64.exe?AuthParam=1380306257_1236752e542c8aad7ae1188500dce282> |
| Tomcat Server as a Windows Service | 7.0.42 | [http://apache.mirrors.pair.com/tomcat/tomcat-7/v7.0.42/bin/apache-tomcat-7.0.42.exe](http://apache.mirrors.pair.com/tomcat/tomcat-7/v7.0.42/bin/apache-tomcat-7.0.42.exe" \t "_blank) |
| Eclipse IDE  Zip File | Latest Juno JEE Release | <http://www.eclipse.org/downloads/download.php?file=/technology/epp/downloads/release/kepler/R/eclipse-jee-kepler-R-win32-x86_64.zip&mirror_id=187> |
| Maven | 3.1.0 | <http://mirror.sdunix.com/apache/maven/maven-3/3.1.0/binaries/apache-maven-3.1.0-bin.zip> |
| Ant | 1.9.2 | <http://apache.mirrors.hoobly.com//ant/binaries/apache-ant-1.9.2-bin.zip> |
| Maven Ant Tasks | 2.1.3 | <http://www.apache.org/dyn/closer.cgi/maven/ant-tasks/2.1.3/binaries/maven-ant-tasks-2.1.3.jar> |
| Liferay Portal Maven Archetypes | 6.1.1 ce GA2 | <http://softlayer-dal.dl.sourceforge.net/project/lportal/Liferay%20Portal/6.1.1%20GA2/liferay-portal-maven-6.1.1-ce-ga2-20120731132656558.zip> |
| Liferay Portal War | 6.1.1 ce GA2 | <http://softlayer-dal.dl.sourceforge.net/project/lportal/Liferay%20Portal/6.1.1%20GA2/liferay-portal-6.1.1-ce-ga2-20120731132656558.war> |
| Liferay Portal Dependencies | 6.1.1 ce GA2 | <http://hivelocity.dl.sourceforge.net/project/lportal/Liferay%20Portal/6.1.1%20GA2/liferay-portal-dependencies-6.1.1-ce-ga2-20120731132656558.zip> |
| Ligeray Portal Source | 6.1.1 ce GA2 | <http://superb-dca2.dl.sourceforge.net/project/lportal/Liferay%20Portal/6.1.1%20GA2/liferay-portal-src-6.1.1-ce-ga2-20120731132656558.zip> |
| PostgreSQL jdbc driver | 9.2 | <http://jdbc.postgresql.org/download/postgresql-9.2-1003.jdbc4.jar> |
| JTA jar | 1.1 | <http://repo1.maven.org/maven2/javax/transaction/jta/1.1/jta-1.1.jar> |
| PostgreSQL database | 9.2.4 | <http://www.enterprisedb.com/postgresql-924-installers-win64?ls=Crossover&type=Crossover> |

## Java Development

The following java dependencies are required to build the SITE application. These dependencies are managed using maven scripts.

* Hibernate
* BouncyCastle SSL Libraries
* Spring MVC
* Spring Framework
* nhindirect

# Project Management

Project Management of the SITE development effort is accomplished using both Tenrox (ainq.tenrox.net) and ONC’s implementation of JIRA with the JIRA Agile plugin (jira.oncprojectracking.org). Tenrox is utilized to log both billable and non-billable hours, as well as generating invoices. JIRA is used for Sprint Planning and managing user stories.

# Development Tools

The following Development tools are available to aid in the development effort for the SITE application

* Eclipse
* Maven
* Ant
* git
* gitHub, and the gitHub client
* PostgreSQL Database
* pgAdmin III

# Source Control

GitHub is utilized for source control management on the SITE application. The source code repositories are publically available at <https://github.com/siteadmin/>.

# Document Repository

Documentation for the SITE project is contained in a documentation specific repository in GitHub. The location for the documentation repository is https://github.com/siteadmin/documentation.git

# Required Hardware

Development can be performed locally on the developer’s local development machine.

## Testing

The SITE Application components are deployed, for testing, on the following AWS Linux VMs.

* DEV Liferay Server – 54.200.44.56
* DEV WebService Server – 54.200.51.225
* DEV PD/eHealth Server – 54.200.55.97

## Production

The SITE Application components are deployed, for production, on the following AWS Linux VMs.

* PROD Liferay Server – 54.186.59.197
* PROD WebService Server – 54.201.55.97
* PROD PD/eHealth Server – 54.201.181.21