# Configure the environment

## 1: Install all third-party software

Install all third-party software on your machine as described in the corresponding *Hardware, Software, and Facilities Requirements* document, including:

- Apache Ant
- The Java JDK

This setup cannot be completed on machines that do not meet the hardware requirements and do not have the required third-party software installed on them.

## 2: Download the Guidewire installer files

2.1:    Log on to the Guidewire Education Portal (http://education.guidewire.com/). If you are the course requestor for an onsite training course or if you are a student doing assisted self-study, then you should be enrolled in the setup course.
If you are not enrolled in this course, contact edadmin@guidewire.com.

2.2:    Click the course. This displays a course details page. Scroll down to the "To Do" list and click the Play button for the course. This displays a table with links to the installer files needed for your course(s).

2.3:    Download the Guidewire installer files needed for the course(s) you will deliver.

2.4:    Move all Guidewire installer files to the `C:` drive.
NOTE: Do <u>not</u> run the installer yet.

## 3: Set up the environment variables

3.1:    In the Windows Control Panel, choose "System" then "Advanced system settings". Then click the "Environment Variables" button. Set the following System Variables <u>exactly</u> as specified in the following:

| Set | To |
|---|---|
| `ANT_HOME` | Your Ant installation directory, for example: `C:\apache-ant-1.8.2` |
| `JAVA_HOME` | Your Java installation directory, for example: `C:\Program Files\Java\jdk1.7.0_25` |
| `Path` | Add this to the <u>beginning</u> of the variable: `%JAVA_HOME%\bin;%ANT_HOME%\bin;` |

3.2:    Open a <u>new</u> command window.

   a. Choose Start Menu>Run.
   b. Type `cmd`.
   c. Choose "OK" or press <Enter>.

3.3:    Verify the environment variables by running the commands below. Note that if you change an environment variable while a command window is open, you will need to open a <u>new</u> command window to see the effect of that change.

| When You Run | You Will See The Value You Set Earlier |
|---|---|
| `echo %ANT_HOME%` | `C:\apache-ant-1.8.2` |
| `echo %JAVA_HOME%` | `C:\Program Files\Java\jdk1.7.0_25` |

3.4:    If any of the following are incorrect, fix your Path variable and open a new command window.

| When You Run | You Will See Something Like |
|---|---|
| `java -version` | `java version "1.7.0_25"`<br>`Java(TM) SE Runtime Environment (build 1.7.0_25-b17)` |
| `javac` | `Usage: javac <options> <source files> ...` |
| `ant -version` | `Apache Ant(TM) version 1.8.2 ...` |

## 4: Install the DCE virtual machine

This virtual machine enables hot swap of Gosu and Java code. Without it, most changes to code require a stop and restart of the server. (You must install the JDK *before* installing the DCE virtual machine.)

4.1:    Verify that the DCE virtual machine installer jar file is on the C: drive.

4.2:    Click the Windows Operating System Start button.

4.3:    In the "Search program and files" field, type cmd. Do not press <Enter>.
There should now be a "cmd.exe" entry listed. Right-click that entry and select "Run as administrator". This opens a command prompt window.

4.4:    In the command prompt window, move to the root directory by entering:
`C:`

4.5:    In the command prompt window, enter:
`java -jar dcevm-installer.jar`
This should open a "Dynamic Code Evolution VM Installer" dialog box.

4.6:    In the installer dialog box, select the installation directory corresponding to the version of the JDK you will be using for the course(s), such as jdk1.7.0_25.

4.7:    Click the "Install" button.

4.8:    In the command prompt window, enter:
`java -version`

4.9:    Verify that the output identifies that the Dynamic Code Evolution (DCE) virtual machine is listed. For example:
`Java version "1.7.0_25"`
`Java(TM) SE Runtime Environment (build 1.7.0_25-b17)`
`Dynamic Code Evolution 64-Bit Server VM (build 23.6-b04-dcevm-13, mixed mode)`

# Install TrainingApp

## Step 1: Install the TrainingApp application

TrainingApp is preconfigured to run from a directory named `C:\Guidewire\TrainingApp`. If for some reason you cannot have the application in this directory, then there are additional configuration steps you will need to execute. If this directory already exists, rename or remove the existing `C:\Guidewire\TrainingApp` directory.

1.1: If it is not already there, move the TrainingApp installer file to the C: drive. Double-click the *.exe file. (This is a self-extracting executable.) If Windows displays a dialog box with a "Run" option, click "Run".

1.2: Select "Extract" to "`C:\`". The extraction process creates a new directory named `C:\Guidewire\`**`TrainingApp`**, even if you already have a `C:\Guidewire` directory.

## Step 2: Configure directory paths for the database, log file, and shortcuts

If you installed TrainingApp into the recommended `C:\Guidewire\TrainingApp`, then you can skip this step and move to the next step. Otherwise, you must complete this step.

2.1: Open database-config.xml (in …\`<directoryPathToInstallLocation>\modules\configuration\config`). Do a global search-and-replace, replacing:

```
jdbc:h2:file:/Guidewire/TrainingApp/db
```
with
```
jdbc:h2:file:/<directoryPathToInstallLocation>/db
```

2.2: Open logging.properties (in …\`<directoryPathToInstallLocation>\modules\configuration\config\logging`). Do a global search-and-replace, replacing:

```
/Guidewire/TrainingApp/logs
```
with
```
/<directoryPathToInstallLocation>/logs
```

2.3: There are three shortcuts in your installation directory (for starting the app, stopping the app, and starting Studio). For each shortcut:

   a. Right-click the shortcut and select Properties.
   b. Modify the path in the "Target" field to reflect the location where TrainingApp was installed.
   c. Modify the path in the "Start In" field to reflect the location where TrainingApp was installed.
   d. Click "OK".

NOTE: The icons for the shortcuts may not display correctly. They do not need to be fixed for the shortcuts to work properly. If you wish to fix them, then from the shortcut Properties dialog box, click "Change Icon" and modify the path to point to the favicon.ico file in …\`<directoryPathToInstallLocation>\ modules\configuration\webresources\themes\Titanium\resources\images\app`.

## Step 3: Start the TrainingApp server

3.1:    Navigate to the TrainingApp folder and double click the "Start TrainingApp Studio" shortcut. It will take a few minutes for the Studio application to start.

When Studio has started, click the Run menu item and select the "Run 'Server'" option. Be patient as it may take a few minutes for the server to start. The server console will appear in a pane at the bottom of the Studio application.

NOTE: The first time you run TrainingApp, you may see a Windows Security Alert message asking for permission to run Java. Leave the "Domain networks…" box checked and click "Allow Access" if you see this dialog.

The start-up process is complete when the following message appears in the console:

```
INFO ***** ContactManager Ready *****
```

3.2:    In your web browser, navigate to http://localhost:8880/ab.

3.3:    Log in as aapplegate with the password gw.

If you can log in as aapplegate, then the installation is successful.

This concludes the installation and configuration of TrainingApp.