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## UI Test Automation User Guide on Windows and Linux

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Version	Date	Author	Comments
1.0	7 March 2013	Priyanka Gurav	Initial draft

## Objective

This document describe to setup prerequisite of Channels UI Automation and configuration / steps to execute test automation.

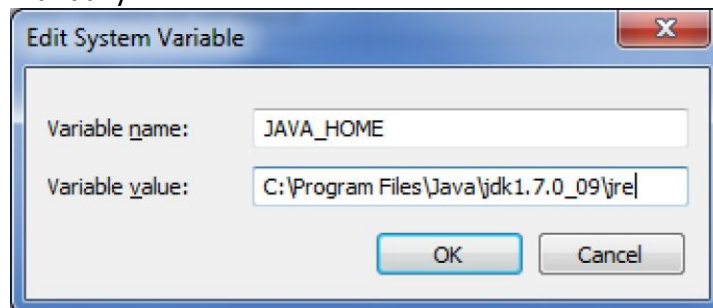
## Essential software for Windows and Linux

### Browsers: - Firefox (20.0.1) current support for jars, IE and Chrome

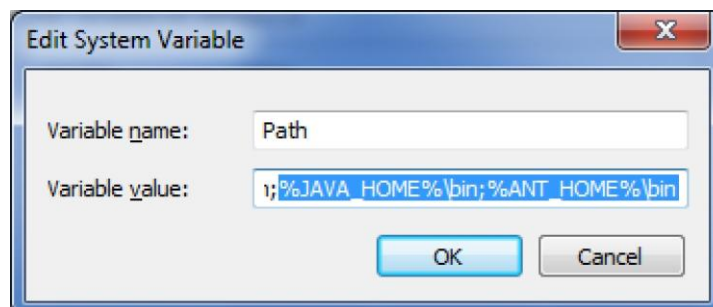
#### Windows:-

1. Install "Juno " Eclipse (32 bit) from location:  
<http://www.eclipse.org/downloads/download.php?file=/technology/epp/downloads/release/juno/S R1/eclipse-jee-juno-SR1-win32.zip>
2. Install JAVA SDK 1.7(32 bit) from location:  
<http://download.oracle.com/otn-pub/java/jdk/7u9-b05/jdk-7u9-windows-i586.exe>

**Note:** Installing sdk will automatically set environment path. If installed jre need to set environment path manually



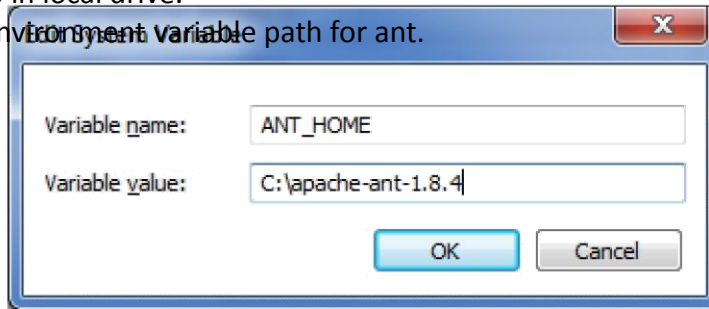
Set environment variable for java



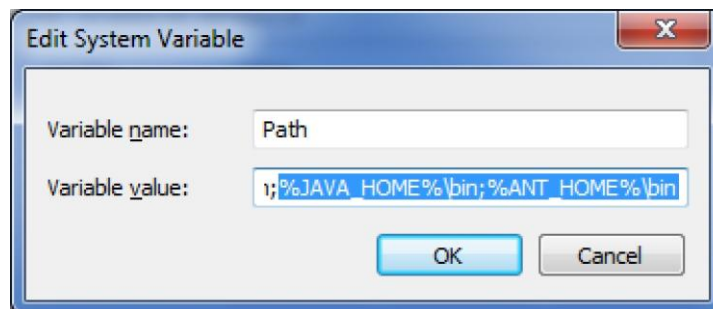
Set environment variable for JAVA\_HOME bin directory path

3. Install Tortoise SVN (32 bit) from location:  
[http://sourceforge.net/projects/tortoisesvn/files/1.7.10/Application/TortoiseSVN-1.7.10.23359-win32-svn-1.7.7.msi/download?accel\\_key=61%3A1353654210%3Ahttp%253A//tortoisesvn.net/downloads.htm](http://sourceforge.net/projects/tortoisesvn/files/1.7.10/Application/TortoiseSVN-1.7.10.23359-win32-svn-1.7.7.msi/download?accel_key=61%3A1353654210%3Ahttp%253A//tortoisesvn.net/downloads.htm)  
[I%3Aecccc1b8%242190673eb7a2f6e5a8da3256a58efd9fa48b70d1&click\\_id=e320c514-353b-11e2-9b2b-0200ac1d1d8c&source=accel](http://sourceforge.net/projects/tortoisesvn/files/1.7.10/Application/TortoiseSVN-1.7.10.23359-win32-svn-1.7.7.msi/download?accel_key=61%3A1353654210%3Ahttp%253A//tortoisesvn.net/downloads.htm)
4. Install Apache Ant from location:  
<http://apache.techartifact.com/mirror//ant/binaries/apache-ant-1.8.4-bin.zip>

- a. Unzip in local drive.
- b. Set environment variable path for ant.

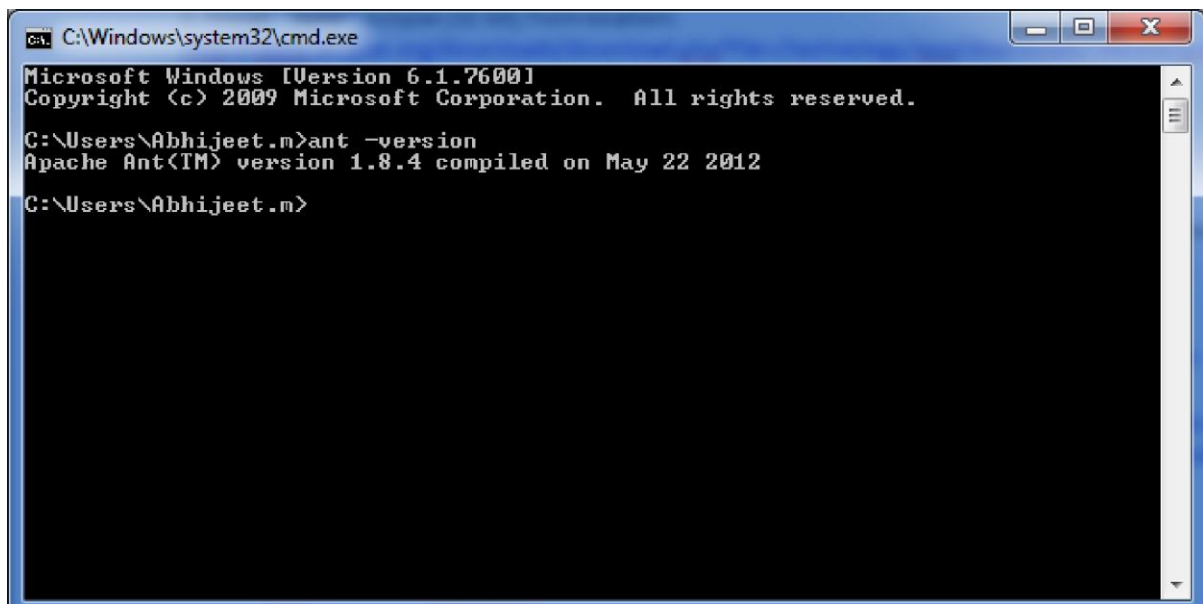


Set environment variable for ant



Set environment variable for ANT\_HOME bin directory path

- c. Verify that ant variable set or not by executing command on command prompt. For example: C:\> ant -version



Verify ant is configure

## 5. Check out UI Automation code from location:

[http://wush.net/svn/mindalliance/qa-project/channels/Mind-AllianceFramework\\_V2](http://wush.net/svn/mindalliance/qa-project/channels/Mind-AllianceFramework_V2)

## Linux:-

1. Install Eclipse from location:

**Step 1:** Download the latest eclipse package from here

<http://www.eclipse.org/downloads/?osType=linux>

**Step 2:** (Note: - This setting is for Juno) move the package to the /opt directory

```
sudo mv eclipse-SDK-4.2.2-linux-gtk.tar.gz /opt/
```

**Step 3:** Unzip the package by typing the below command

```
cd /opt
```

```
sudo tar -xvf eclipse-SDK-4.2.2-linux-gtk.tar.gz
```

**Step 4:** Create a new desktop file **eclipse.desktop** in /usr/share/applications/ and add the below lines

```
[Desktop Entry]
Name=Eclipse
Type=Application
Exec=/opt/eclipse/eclipse
Terminal=false
Icon=/opt/eclipse/icon.xpm
Comment=Integrated Development Environment
NoDisplay=false
Categories=Development;IDE
Name[en]=eclipse.desktop
```

**Step 5** » Now goto /usr/share/applications and find eclipse.desktop file for launching eclipse , you can drag this file to the launcher.

## 2. Install JAVA SDK 1.7

On the command line, type:

```
$ sudo apt-get install openjdk-7-jre
```

## 3. Install ANT

```
$ sudo apt-get install ant
```

## From Eclipse

1. Open Eclipse.
2. Import Channels "Mind-AllianceFramework\_V2" Project into the Eclipse.
3. Add respective jars to the build path folder.
4. Also Selenium jar needs to be selected as per your browser version.
5. Open **build.xml** .
6. Right click on build.xml file Run As => 1. Ant Build.

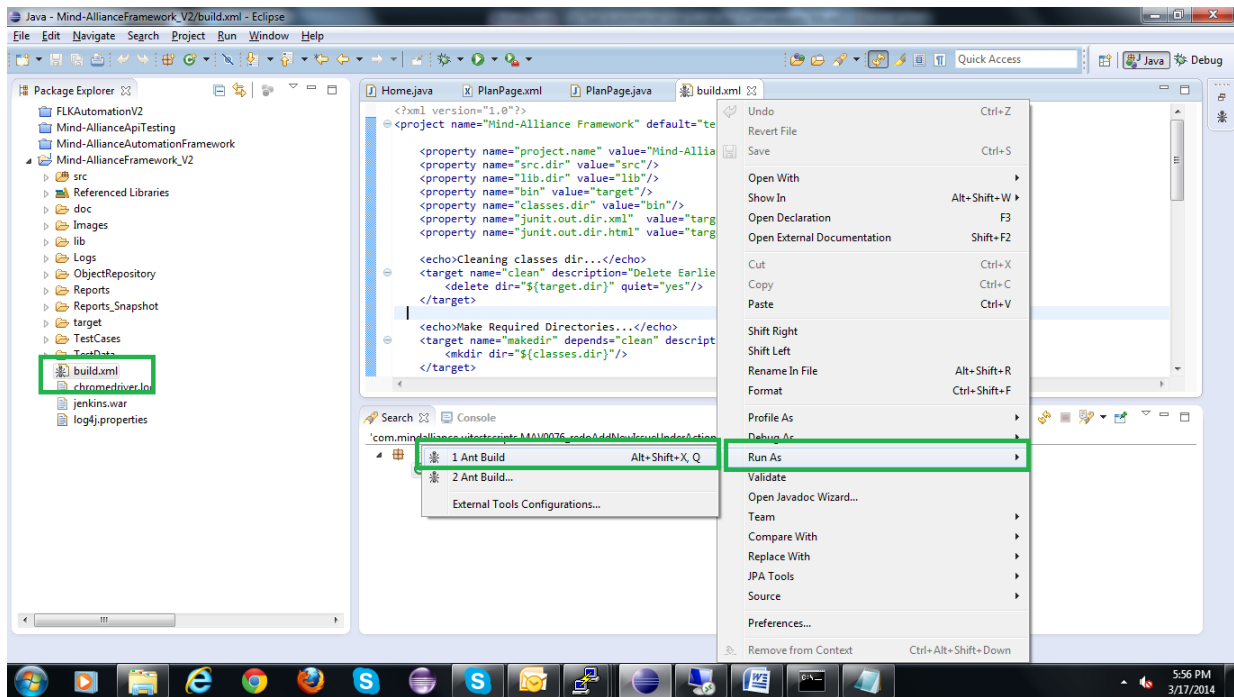


Figure: Run As 1. Ant Build

### From Command line

1. Open Command prompt / Terminal
2. Go to the <Local drive directory path>/ <Check out directory path>.  
For example: **cd AFourWorkspace <ProjectsLocation>**
3. Enter command

\Analyst Channels\channels\Mind-AllianceFramework\_V2 > **ant**