

Chapter 2:

How To Install TestNG

Introduction

Hello and Welcome To Chapter 2, How To Install TestNG. In this chapter, we will discuss the Various Ways To Install TestNG then show How To Install TestNG Using Eclipse Marketplace and How To Install TestNG Using an option called Install New Software in Eclipse.

Various Ways To Install TestNG

Let's start with the compatible IDE's. IDE stands for Integrated Development Environment. The IDE's are Eclipse, NetBeans, and IntelliJ. Next, we can setup TestNG using Build Tools Ant or Maven.

In addition to the IDE's and Build Tools, we can use the Command Line or download the TestNG JARs. The focus will be installing TestNG using Eclipse but I will provide a reference link for NetBeans, IntelliJ, Ant, and Maven.

How To Install TestNG Using Eclipse

Eclipse Marketplace

How To Install TestNG Using Eclipse? First, I'll show you to how install TestNG using Eclipse Marketplace. Go to Help, select Eclipse Marketplace, type TestNG in the Find text box, then click the Go button. We see TestNG for Eclipse has an Install button. Click the Install button then click the Confirm button after making sure all of the checkboxes are checked. Select I accept the terms of the license agreement and click Finish.

Next, a Security Warning shows up to let you know, you are installing software that contains unsigned content. This shows up because TestNG is 3rd Party plugin. Click Install anyway. The last step is restart Eclipse so we click Restart Now.

Demo – Install New Software

Another way to install TestNG is through Install New Software. We go to Help, select Install New Software then type TestNG, and click Enter.

If TestNG Eclipse does not come up for you as an auto-suggestion then click the Add button. In the Add Repository pop-up, enter TestNG for Name and <http://beust.com/eclipse> for Location, then click OK. Select the checkbox for TestNG. I already have TestNG installed so my Next button is disabled. You can verify if TestNG is installed by clicking the already installed link. We see a list of what's installed in Eclipse. TestNG

The Remaining Steps is to click the Next button, accept the License Agreement, then the click Finish button. Clicking the Finish button is the last step for installing TestNG. After installing TestNG, we must add the TestNG Library.

Add TestNG Library

We have the option of adding our TestNG Library now or waiting until we import an annotation. Let's go ahead and add the TestNG Library now. There's more than 1 way to add a TestNG Library but we are going to Configure the Build Path. We can right click src, right click JRE System Library, or right click Referenced Libraries, select Build Path, Configure Build Path.

Select Classpath, click the Add Library button, select TestNG, click Next, click Finish and we see TestNG. Click the Apply and Close button. TestNG is located under the Test Automation University project. We are finished installing TestNG and adding TestNG as a Library.

Reference Links

Here's 5 Reference Links for installing and setting up TestNG. We have IntelliJ which shows go to Preferences -> Plugins then click over to the Available Plugins tab. The other IDE is NetBeans. Follow the Installation section to setup TestNG. Next, we have Maven. Specify your pom.xml and your dependency should look like this. Then we have Ant. You must define the TestNG task. Last, we have a Reference Document for Eclipse. It has steps that can be downloaded which covers the same installation steps from the video.

Now, that we have installed TestNG. In Chapter 3, we will cover TestNG Annotations which manage how methods are run.