User Guide for Setting up Tomcat with Eclipse

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Document Revisions

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Introduction

## Scope and Purpose

This User guide explains how to setup Eclipse IDE , Tomcat Web Server and integrating Tomcat with Eclipse.

This User guide is for intended Java Developers who have prior experience of using Tomcat and any other IDE for Java development but who have never used Eclipse OR tomcat along with Eclipse.

However knowledge of any specific tomcat version or any specific IDE is not required.

Running Tomcat with eclipse allows to run and debug the application easily without having to switch between Eclipse IDE and Tomcat Shell Windows.

## Overview

Eclipse is a popular IDE for Java development though not necessarily restricted to Java Development alone. E.g. PHP, Javascript development can also be done as easily as Java.

Eclipse is based on plugin architecture where components called as plugins can be installed to provide features required for development.

e.g. tomcat integration plugin that comes in built with certain versions of eclipse allows us to start restart stop tomcat within eclipse.

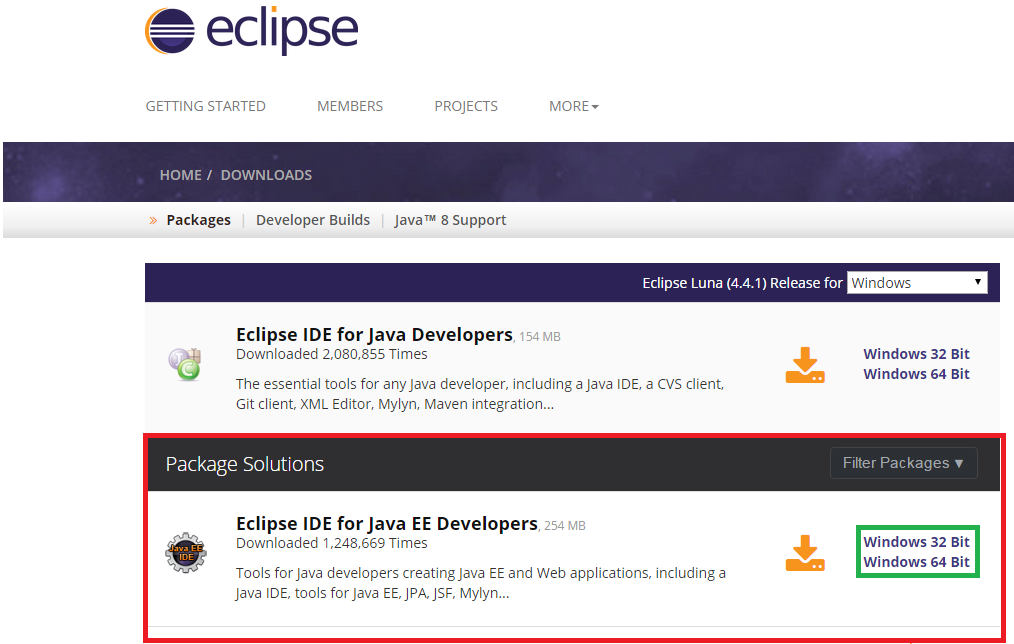
Tomcat is a popular web server used to host Java based web applications. It can serve static as well as dynamic content.

Integration of tomcat with eclipse allows ease of development.

2) Download and Set up Eclipse

* + 1. Download Eclipse IDE from following location :

[*https://eclipse.org/downloads/*](https://eclipse.org/downloads/)



In above picture portion marked in red indicates the correct version and flavor of Eclipse IDE.

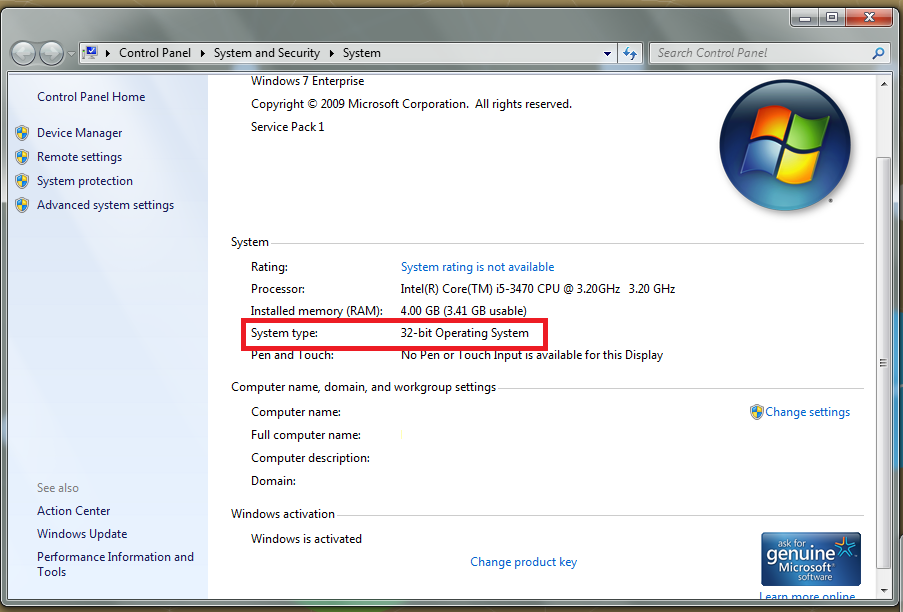
* + 1. As seen on the web-page there are various other versions of eclipse that are available which facilitate the development in other languages as well.

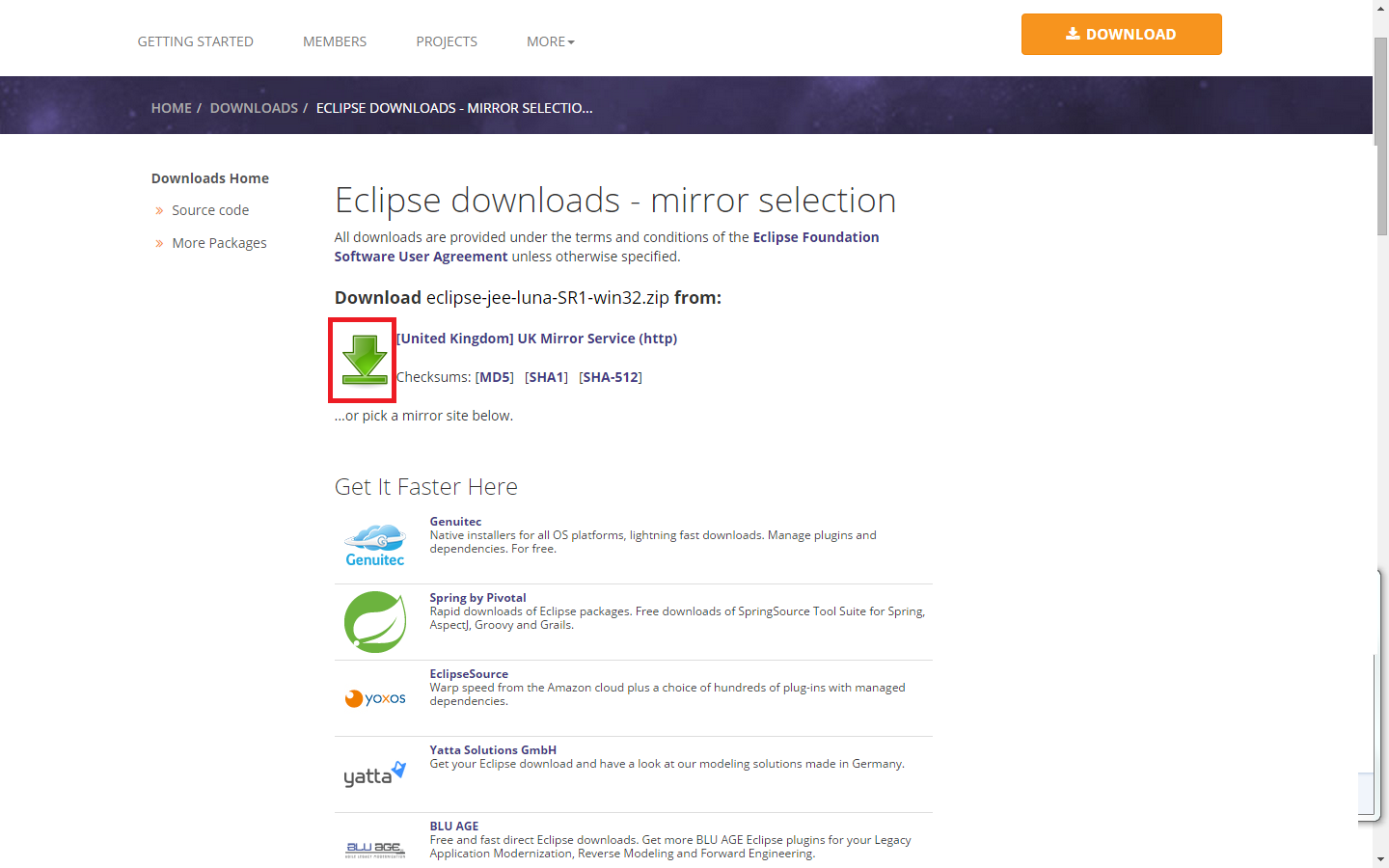
We have to choose Eclipse IDE for Java EE developers flavor and latest version so that we can run Java web applications in Eclipse. It comes prepackaged with plugin for integration of tomcat.

As indicated by portion marked in green Eclipse can be downloaded for both 32-bit windows and 64 bit windows.

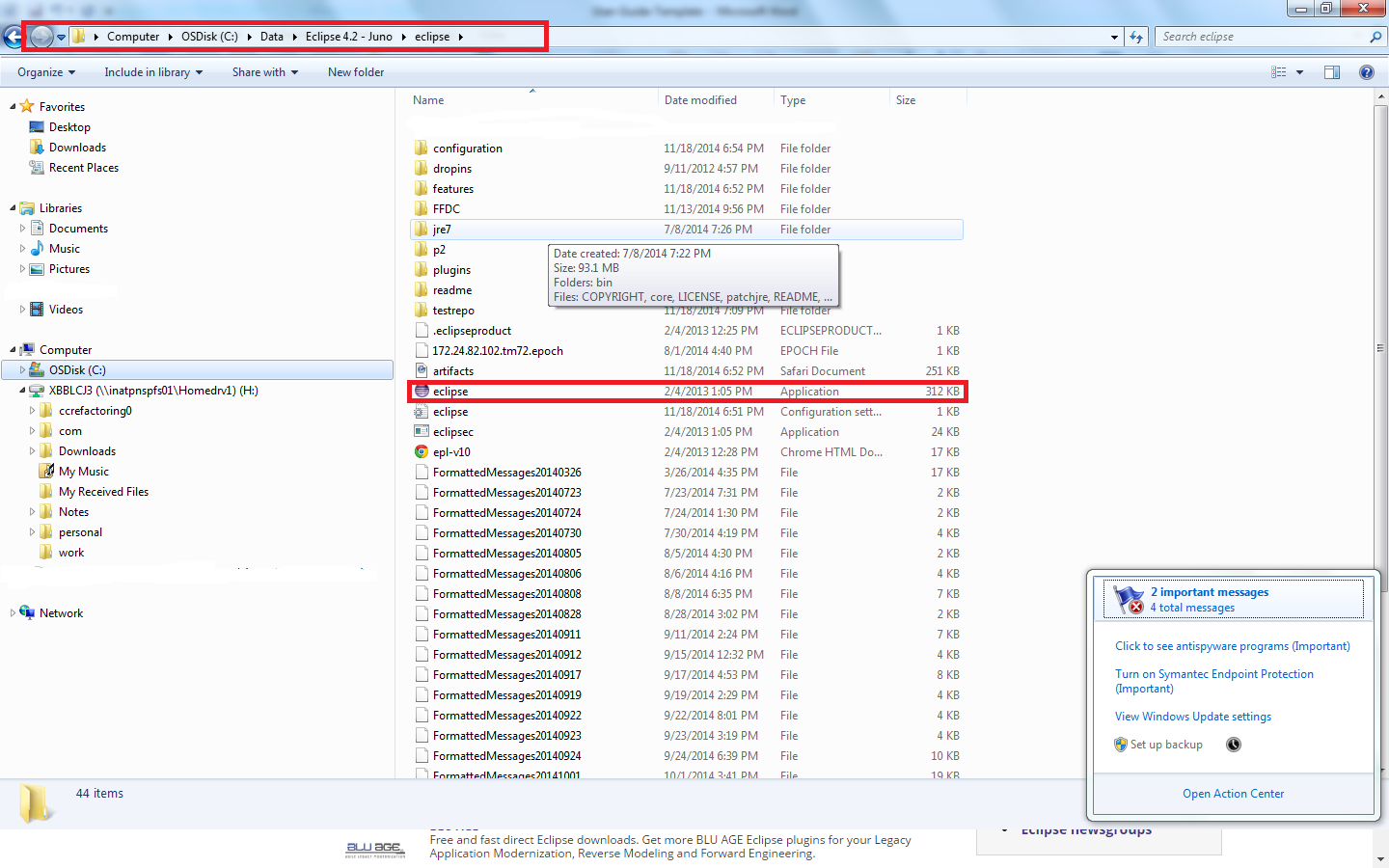
To find out whether your machine is 32-bit or 64 bit follow below procedure:

1. Right click on My Computer Icon on the desktop and click Properties.
2. Look out for the System type option as shown below :



* + 1. Eclipse comes as an executable file. So there is no need to follow any separate installation steps. As shown in below picture click on the download arrow to download the .zip file. 
    2. After downloading the .zip file extract it using any .zip file extraction software such as WinZip or WinRAR or 7-Zip.
    3. In the extracted folder you will find a folder with name eclipse and inside that a file with name eclipse. The file type listed for this file is Application.

To start eclipse you can double click on above file. Please find below picture how the application file for eclipse looks like.



Before you can start working using Eclipse you need to setup JDK (Java develoement Kit ) as Eclipse uses Java to run. Please continue to read how to setup JDK.

2.2.1) Download JDK 7 from following location:

# Index

[Depending on the size or complexity of the final document, consider pulling together an index to assist the using in location specific information. Index entries correspond to tags or categories, and are useful in navigating long books.]

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| * + Chapter Body Copy – Bullet 2 | A secondary unordered list, within a higher level ordered or unordered list |
| 1. Chapter Body Copy – Step | An ordered list (sequential) used in a procedure to indicate the order of actions to be taken |
| 1. Chapter Body Copy – Step a | A secondary ordered list, e.g. substeps in a procedure |
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