

INSTALLING THINGWORX

*120-DAY DEVELOPER TRIAL
EDITION*

PTC

MAR 2017

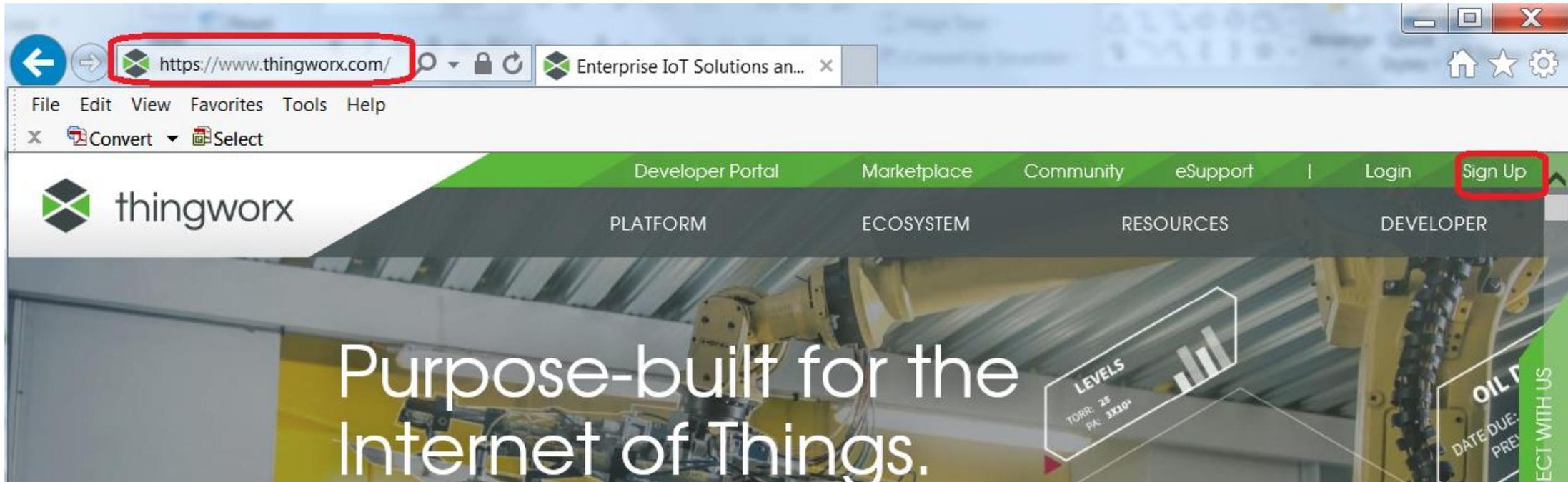


ptc

DOWNLOADING 120-DAY TRIAL THINGWORX SOLUTION FILE

STEP 1

- Browse to Thingworx.com and Signup by providing your information:



STEP 2

- Sign Up For Your Developer Portal Account

You are just one step away from experiencing the ThingWorx technologies first-hand.

Once registered you can begin with one of our many guided learning experiences or dive right in and download your own Developer Trial Edition for a period of 120 days.

Organization

Country

First Name

Last Name

Email

Confirm your Email

Password

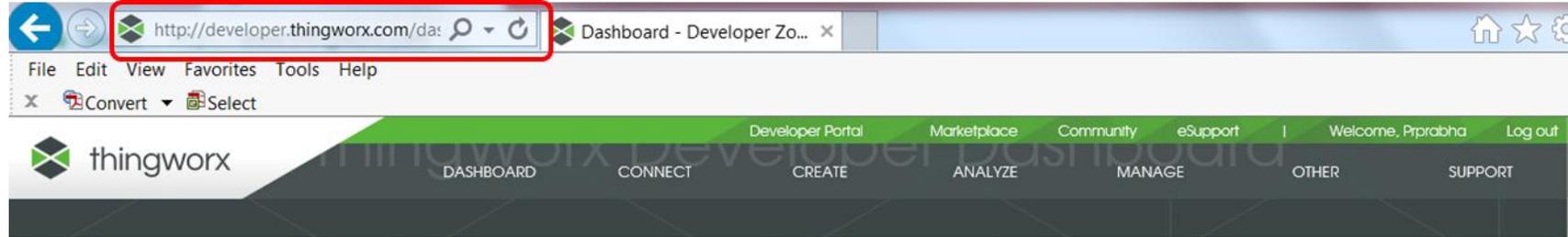
Confirm your Password

Job Function

Job Category

Zip Code

LOGIN TO ACCESS THINGWORX DEVELOPER DASHBOARD



Webcast: Data Modeling for the Industrial Internet of Things

Learn about the unique requirements of IIoT applications and best practices to get you started designing your data model.

[REGISTER NOW](#)

Getting Started

New to ThingWorx and want to get building IIoT applications as soon as possible? We've got you covered. Here are 3 simple steps that put you on the right track to develop your first proof of concept.

- The basics:** Start out with our ultimate cheat sheet to understanding the *core concepts* and principles that are utilized in ThingWorx.
- Set up your infrastructure:** Want us to host a server for you to use for 30-days? Choose a ThingWorx instance to start coding away instantaneously. Prefer working in your own environment? We hear you: download a dev trial editions and use it for 120 days. Our installation guide will help you get everything set up correctly. You can find both options in the *right sidebar* under *My Servers*.
- Time to start developing:** We have created a variety of guides that put you on the fast track to developing IIoT applications. As a newbie to ThingWorx, we recommend starting with the *ThingWorx Foundation Quickstart* or *ThingWorx Analytics API Quickstart* guide. If you already know what you want to do, you can jump right into the right category at the top of the page.

Quickstart Guides

Quickstart Guides are dynamic learning experiences that take you step by step through a typical IIoT development scenario. Consisting of a mix of written instructions, videos, and hands-on activities, quickstart guides are the ideal way to become familiar with the core functions of our platform.

Analytics API Quickstart
Learn how to use the Analytics API

Foundation Quickstart
Learn how to create a simple application using the core building

Java SDK Quickstart
Learn how to build an application

My Instances

Choose between a hosted 30-day instance or a 120-day downloadable instance to set up in your own environment.

My 30 Day Instances

[CREATE FOUNDATION SERVER](#)

Click the *Create Foundation Server* button to start your free 30 day trial

[START ANALYTICS SERVER](#)

10

Your trial will expire in 10 day

Developer Trial Edition

Getting ready to write your first IIoT application with ThingWorx? Run ThingWorx Foundation in your own environment for 120 days. Our *installation guide* will help you get everything set up correctly.

[REQUEST DEVELOPER TRIAL EDITION](#)

- Click on "Developer Trial Edition"

STEP 4: COMPLETE REGISTRATION FOR DOWNLOADING TWX WAR FILE

Register and try ThingWorx for 120 days free of charge ✕

Pick your trial editions Choose a service Register

Foundation Server

Previous Next

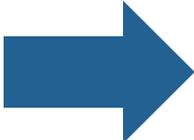


Register and try ThingWorx for 120 days free of charge ✕

Pick your trial editions Choose a service Register

Download

Previous Next



Register and try ThingWorx for 120 days free of charge ✕

Pick your trial editions Choose a service Register

First Name Last Name
First Name Last Name

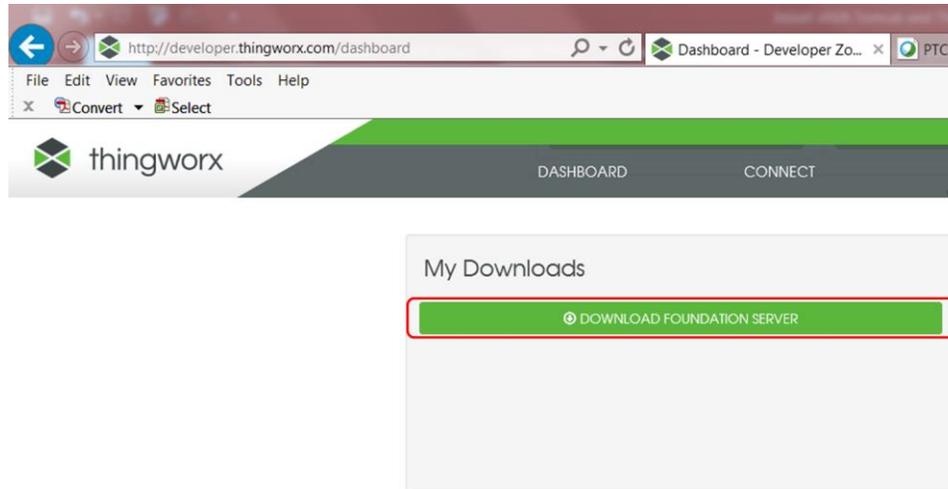
Company Country
Company United States

Job Function Job Role

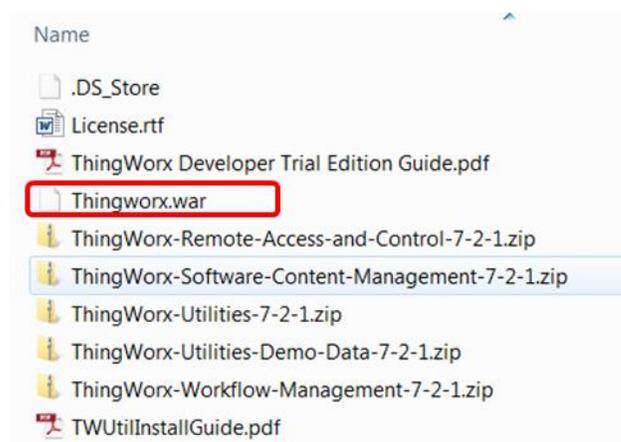
Previous Finish

STEP5: DOWNLOAD THE WAR FILE

- Scroll down the page to find “My Downloads” Option



- Unzip the file to locate the war file.

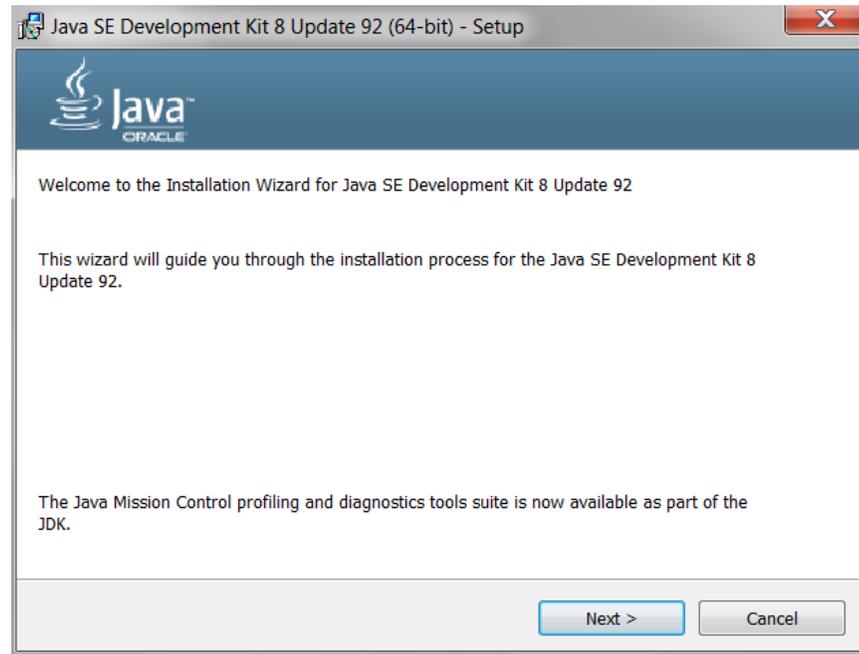


INSTALLING JAVA

JAVA INSTALLER

Microsoft Windows

- ThingWorx 7.1 only supports Kit **Java SE Development 8 (64-bit)**. To download the software, go to <http://www.oracle.com/technetwork/java/javase/downloads/index.html> and download the right version of the Java 8 (64bit).
- Once Downloaded, run the installer and follow its prompts.
- Note: The ThingWorx Platform is only supported on 64-bit operating systems. Open JDK is not currently supported.



INSTALLING TOMCAT

Microsoft Windows

- ThingWorx 7.1 only supports **Tomcat 8.033** and later versions. To download Tomcat, go to <http://tomcat.apache.org/download-80.cgi> and download the latest iteration of the Tomcat 8 Windows Service Installer.

The screenshot shows the Apache Tomcat 8 Software Downloads page. The page is titled "Tomcat 8 Software Downloads" and includes a navigation menu on the left. The main content area is divided into several sections: "Tomcat 8 Software Downloads", "Quick Navigation", "Release Integrity", "Mirrors", and "Binary Distributions". A red arrow points to the "32-bit/64-bit Windows Service Installer (pgp, md5, sha1)" link in the "Binary Distributions" section.

Apache Tomcat

Home
Taglibs
Maven Plugin

Download

Which version?
Tomcat 9
Tomcat 8
Tomcat 7
Tomcat 6
Tomcat Connectors
Tomcat Native
Taglibs
Archives

Documentation

Tomcat 9.0
Tomcat 8.5
Tomcat 8.0
Tomcat 7.0
Tomcat 6.0
Tomcat Connectors
Tomcat Native
Wiki
Migration Guide
Presentations

Problems?

Security Reports
Find help
FAQ
Mailing Lists
Bug Database
IRC

Get Involved

Tomcat 8 Software Downloads

Welcome to the Apache Tomcat® 8.x software download page. This page provides download links for obtaining the latest versions of Tomcat 8.x software, as well as links to the archives of older releases.

Quick Navigation

[KEYS](#) | [8.5.4](#) | [8.0.36](#) | [Browse](#) | [Archives](#)

Release Integrity

You **must verify** the integrity of the downloaded files. We provide OpenPGP signatures for every release file. This signature should be matched against the [KEYS](#) file which contains the OpenPGP keys of Tomcat's Release Managers. We also provide [MD5](#) and [SHA-1](#) checksums for every release file. After you download the file, you should calculate a checksum for your download, and make sure it is the same as ours.

Mirrors

You are currently using <http://apache.fayea.com/>. If you encounter a problem with this mirror, please select another mirror. If all mirrors are failing, there are *backup* mirrors (at the end of the mirrors list) that should be available.

Other mirrors:

8.5.4

Please see the [README](#) file for packaging information. It explains what every distribution contains.

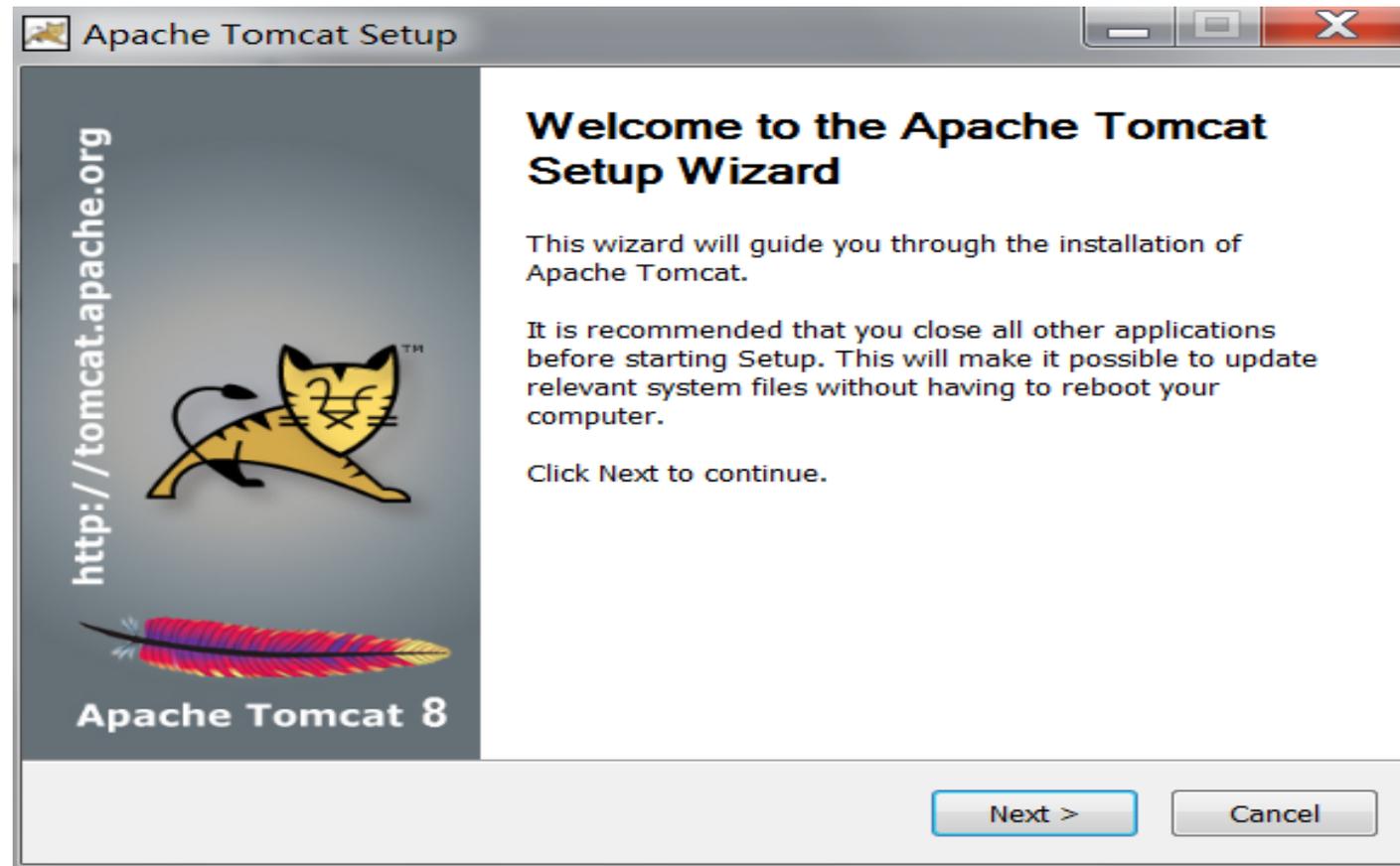
Binary Distributions

- Core:
 - [zip \(pgp, md5, sha1\)](#)
 - [tar.gz \(pgp, md5, sha1\)](#)
 - [32-bit Windows zip \(pgp, md5, sha1\)](#)
 - [64-bit Windows zip \(pgp, md5, sha1\)](#)
 - [32-bit/64-bit Windows Service Installer \(pgp, md5, sha1\)](#)
- Full documentation:
 - [tar.gz \(pgp, md5, sha1\)](#)
- Deployer:
 - [zip \(pgp, md5, sha1\)](#)
 - [tar.gz \(pgp, md5, sha1\)](#)

TOMCAT INSTALLER

Microsoft Windows

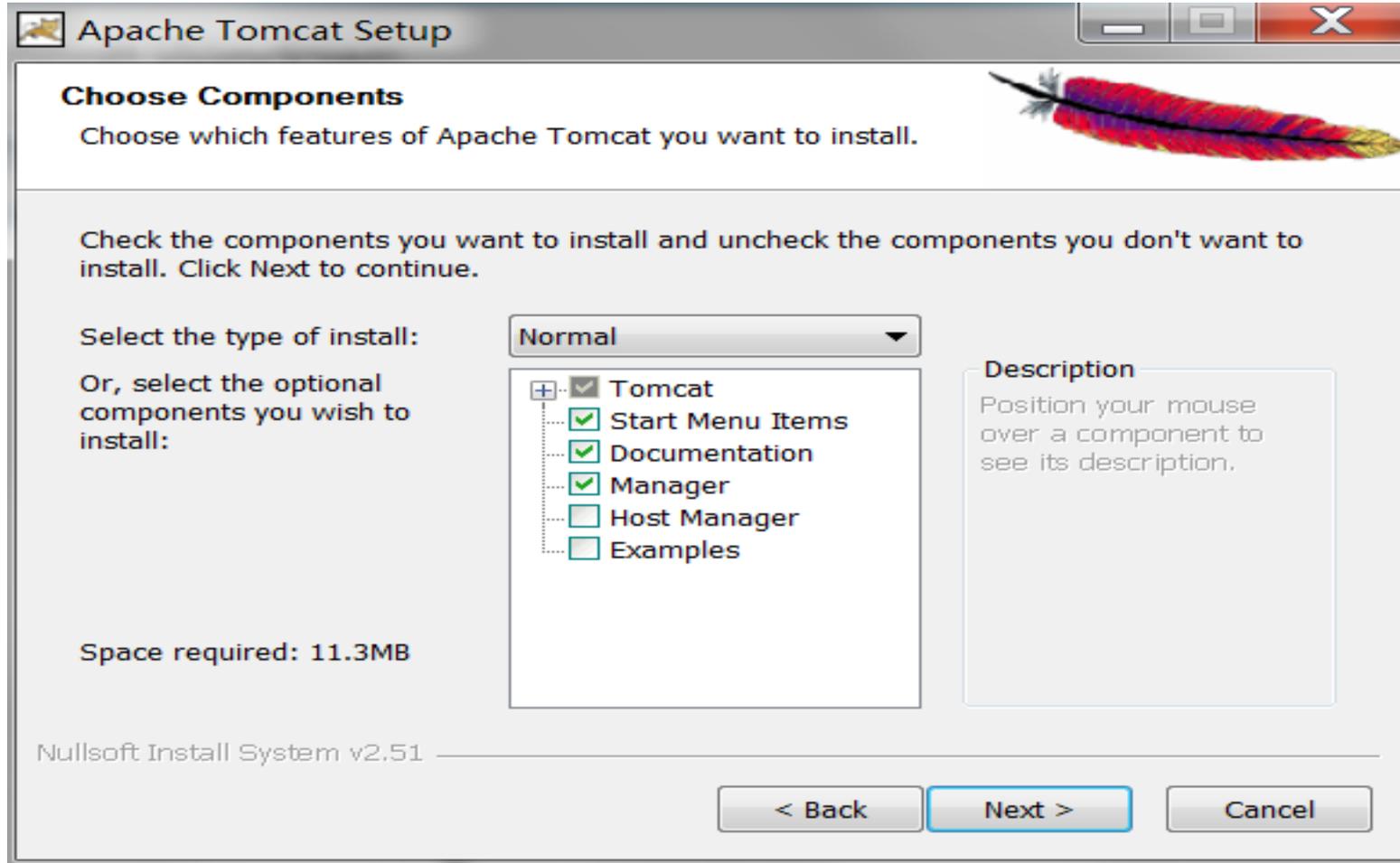
- Once Downloaded, run the installer and follow its prompts



TOMCAT INSTALLER

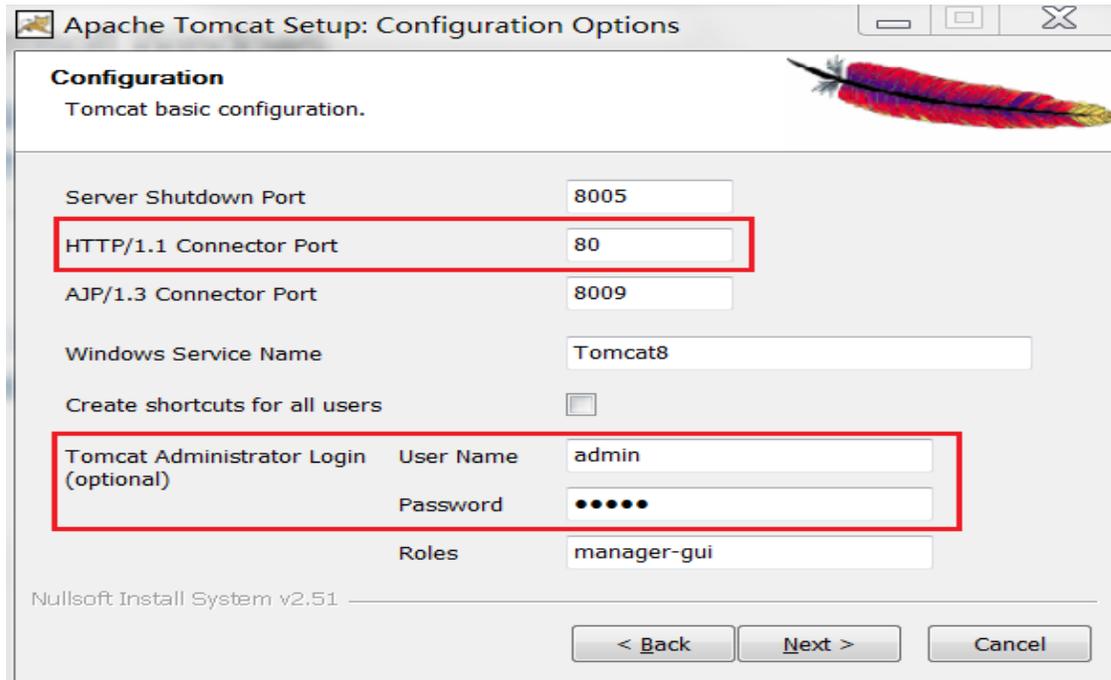
Microsoft Windows

- You can leave the default components selected and click "Next".



Microsoft Windows

- When setting up the Configuration for Tomcat, it is recommended that you change the HTTP/1.1 Connector Port to 80 (as 8080 may conflict)
 - This way, you can access Tomcat using <http://localhost>, instead of needing to specify the port (e.g. <http://localhost:8080>)
- It is also recommended that you set up a User Name and Password. You will have to remember this user ID and password. Go for admin/admin.



Apache Tomcat Setup: Configuration Options

Configuration
Tomcat basic configuration.

Server Shutdown Port: 8005

HTTP/1.1 Connector Port: 80

AJP/1.3 Connector Port: 8009

Windows Service Name: Tomcat8

Create shortcuts for all users:

Tomcat Administrator Login (optional)

User Name: admin

Password:

Roles: manager-gui

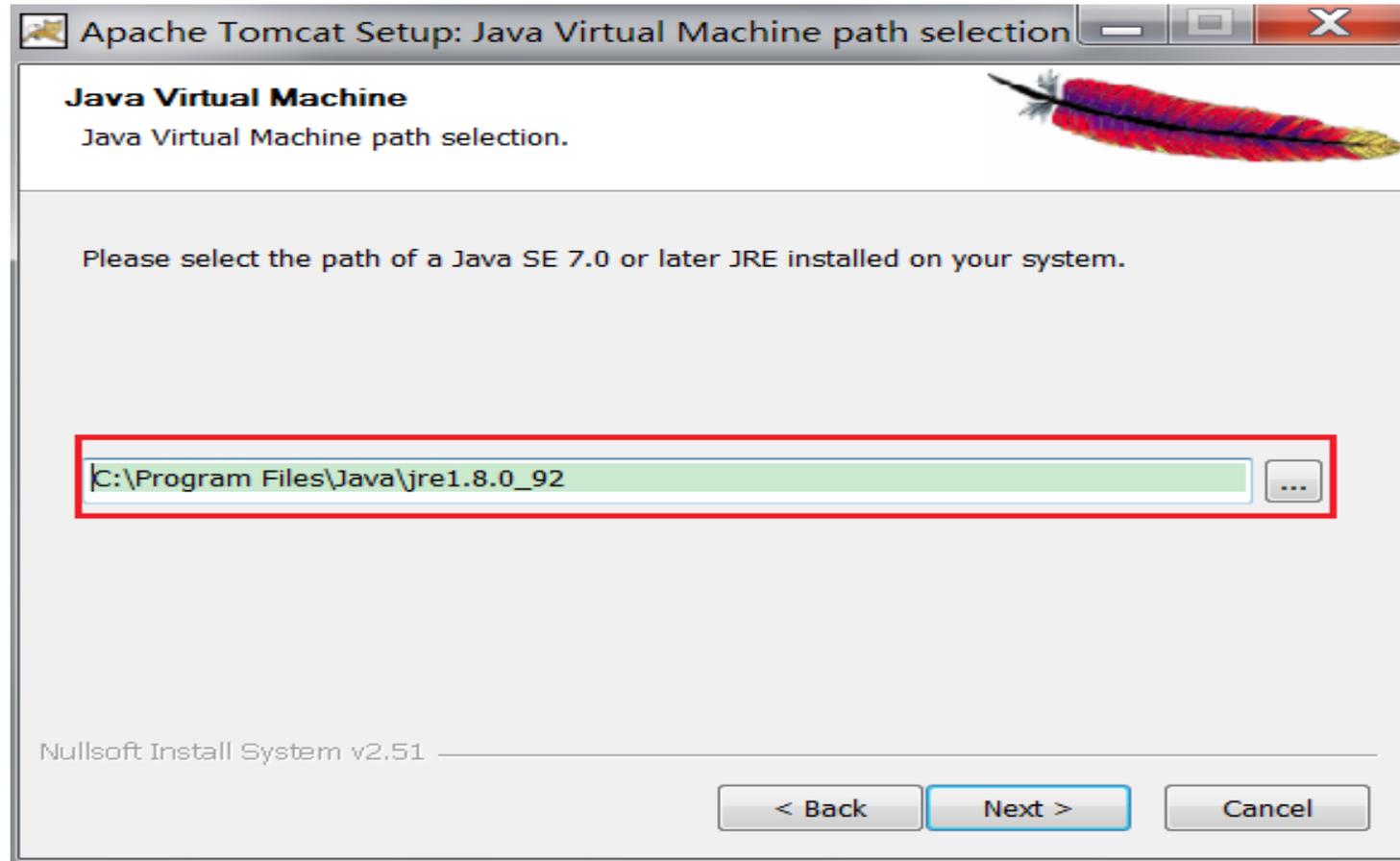
Nullsoft Install System v2.51

< Back Next > Cancel

TOMCAT INSTALLER

Microsoft Windows

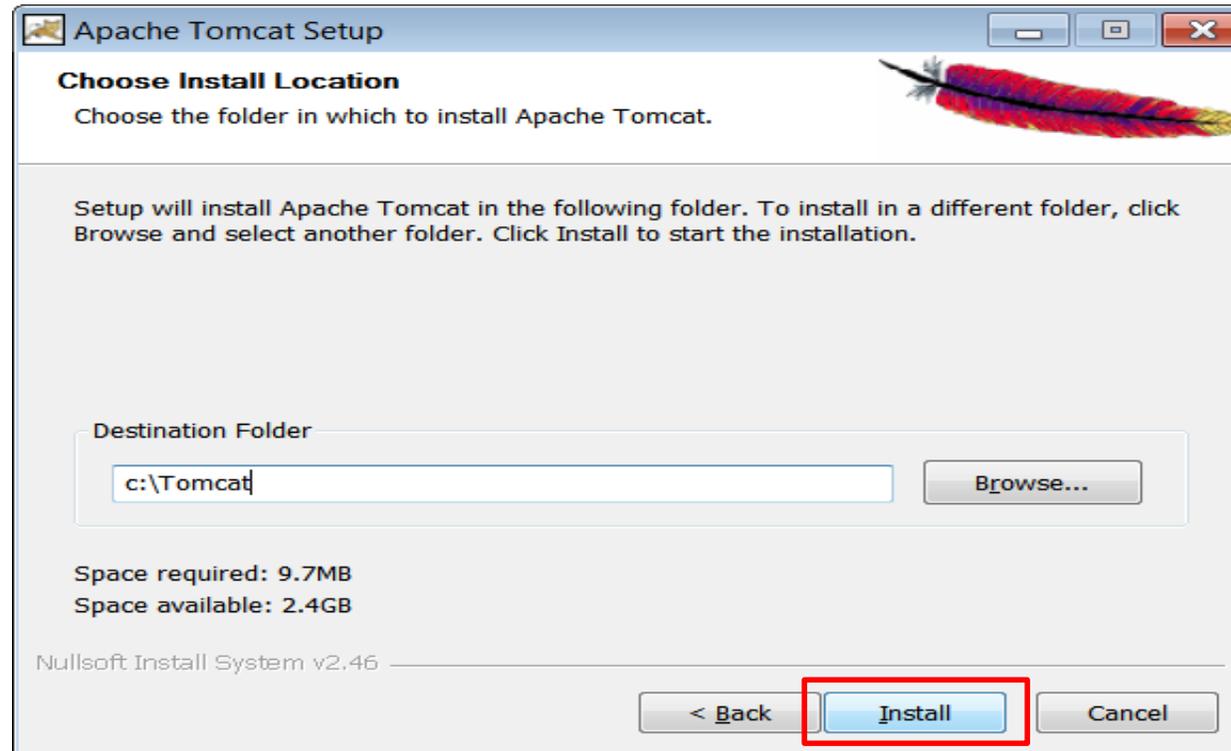
- The installer will find the Java folder, if installed. Make sure it is pointed to the correct version of Java (Java 8, 64 bit)



TOMCAT INSTALLER

Microsoft Windows

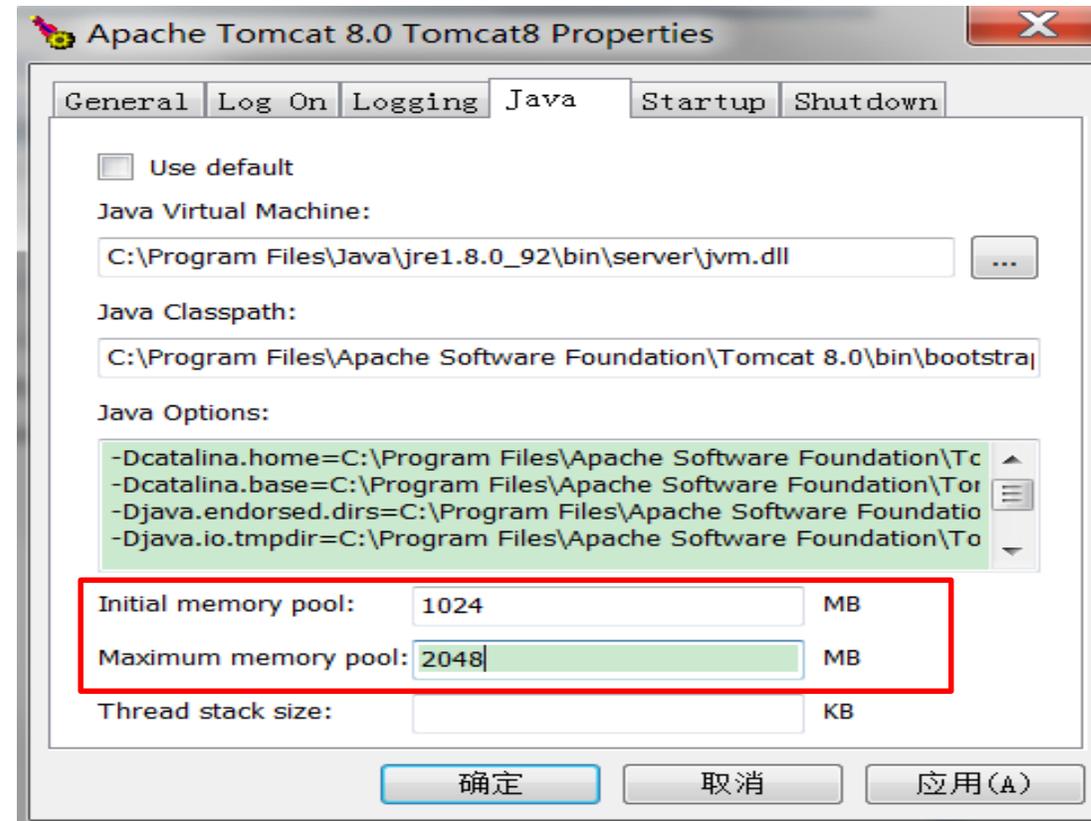
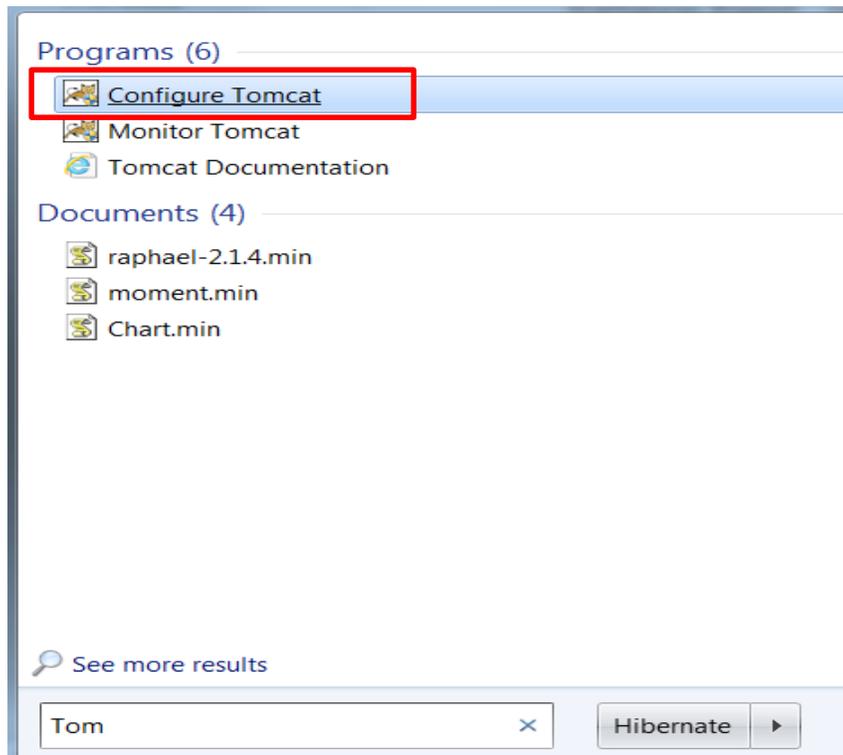
- Next, specify the install Destination Folder. Then click Install to finish installation.



CONFIGURING JAVA MEMORY SETTING FOR TOMCAT

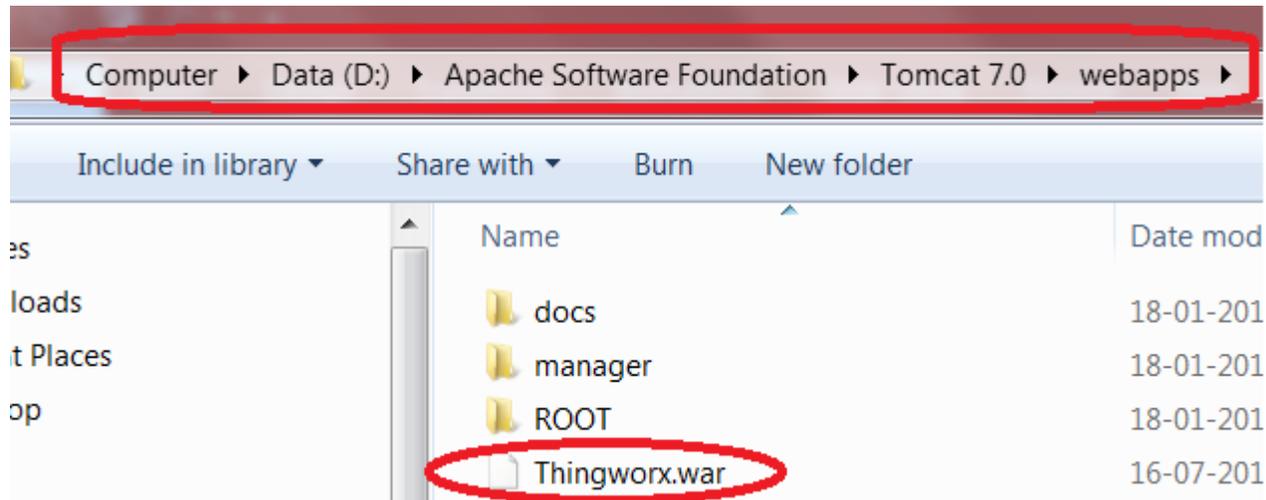
Start Configure Tomcat after you finish the Tomcat installation.

- Go to Configure Tomcat, you can search it from the Start button.
- Make sure you fill out the information for the memory pool as shown and click “Next”.



DEPLOYING THINGWORX WAR FILE

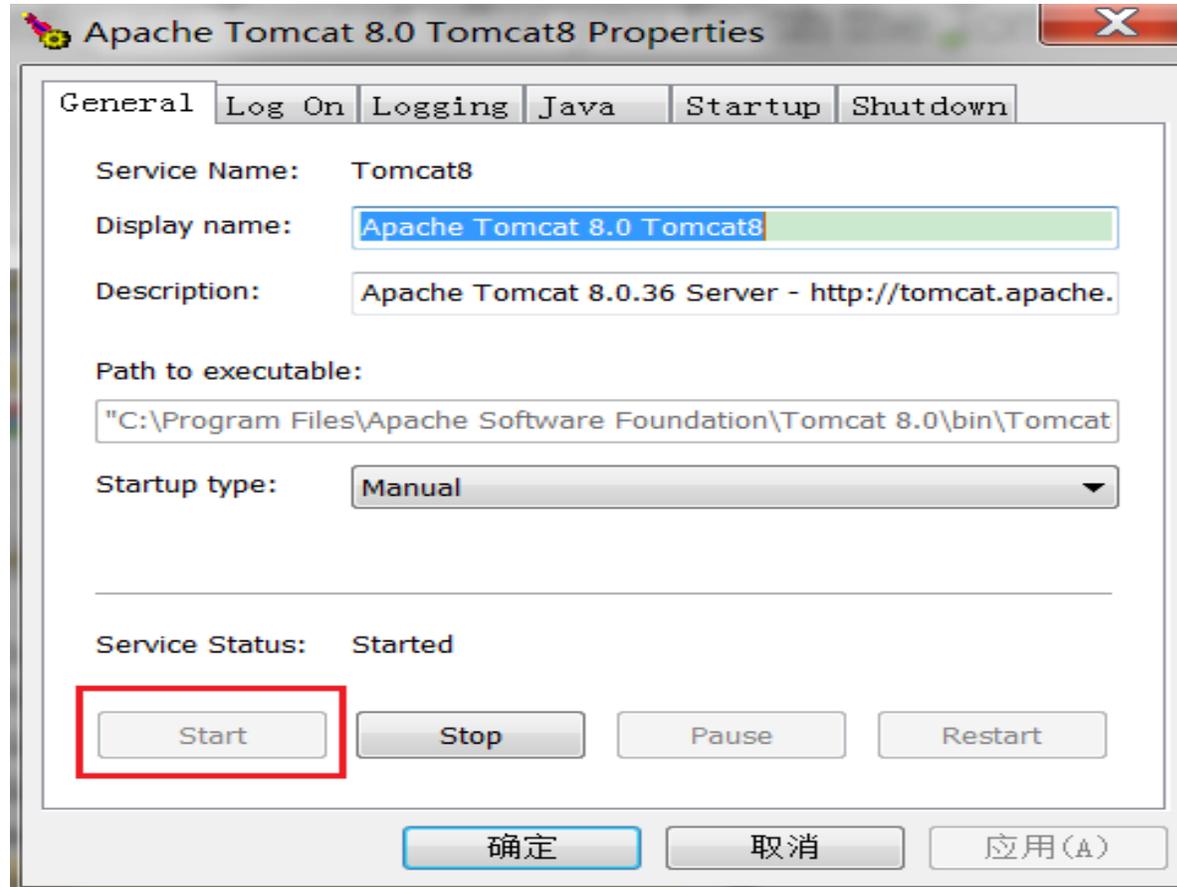
- Download the Thingworx 120 Day Trial Version war file from Thingworx.com
- Browse to the following directory (See Below):
 - %APACHE_INSTALL_DIRECTORY%/Tomcat 7.0/webapps
- Paste the Thingworx.war in the webapps directory as shown below



START TOMCAT MONITOR

Start Configure Tomcat after you finish the Tomcat installation.

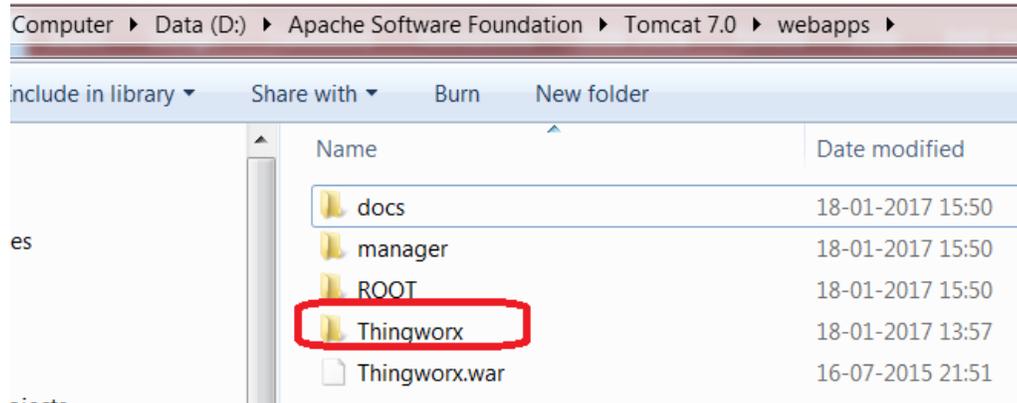
- Start Tomcat. Once Tomcat has been started, the “Start” button is disabled. Finalize the installation.



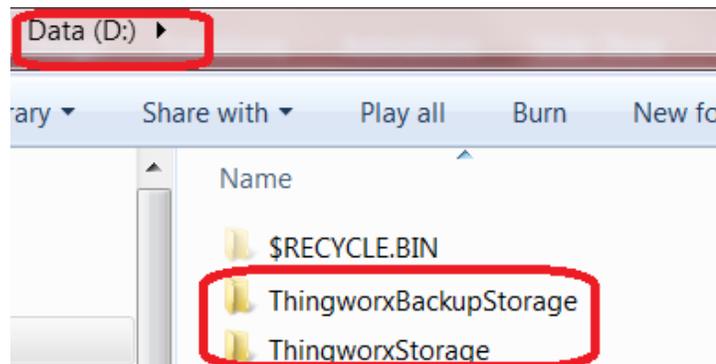
- If Tomcat was already running, restart the Tomcat.

THE DEPLOYED FILES

- Once the Tomcat server has been (re)started, the following folders will get created:
 - In webapps folder:



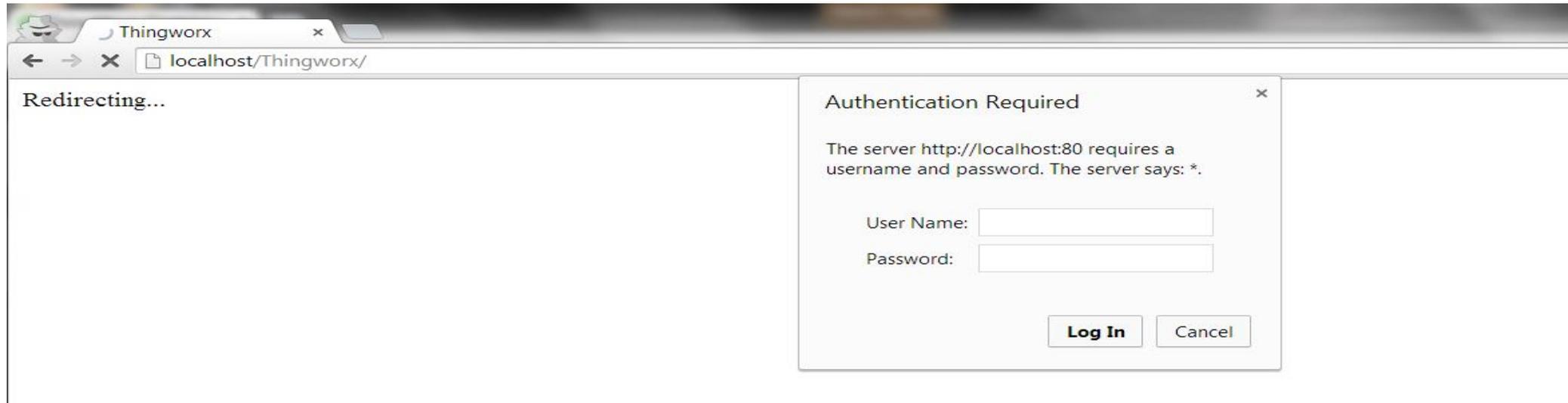
- In Root Directory:



TOMCAT

Open the hosted instance of ThingWorx

- Navigate to <http://localhost/Thingworx/>, and log in
- Username: Administrator
- Password: admin





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