# ThingWorx Installation Prerequisites (for all platforms)

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For additional help with ThingWorx Installation, view the installation video.

# Windows

## Installing Java

Visit the <u>Oracle website</u> to download and install the required version of the JRE. If necessary, refer to the System Requirements document.

#### Installing Tomcat

- 1. Visit the <u>Tomcat</u> website to download the **32-bit/64-bit** Windows Service Installer (pgp, md5).
- The Apache Tomcat Setup Wizard launches. Click Next.



3. Click I Agree.



- In the Components section, use the default settings.
- 5. Click Next.

6. In the **HTTP/1.1** - -Apache Tomcat Setup: Configuration Options **Connector Port** Configuration field, type 80. Tomcat basic configuration. 7. In the Tomcat Server Shutdown Port 8005 Administrator HTTP/1.1 Connector Port Login fields, 80 type the User AJP/1.3 Connector Port 8009 Name and Windows Service Name Tomcat7 Password. Create shortcuts for all users 8. Click Next. Tomcat Administrator Login User Name (optional) Password Roles manager-gui Nullsoft Install System v2.46 < Back Next > Cancel 9. Verify that the 💐 Apache Tomcat Setup: Java Virtual Machine path selection defined path is Java Virtual Machine directing to the Java Virtual Machine path selection. **Program Files** folder and the Please select the path of a Java SE 6.0 or later JRE installed on your system. proper 64-bit version of Java. 10. Click Next. C:\Program Files\Java\jre7 .... Nullsoft Install System v2.46 < Back Next > Cancel 11. In the 💐 Apache Tomcat Setup Destination Choose Install Location Choose the folder in which to install Apache Tomcat. Folder, verify that the install Setup will install Apache Tomcat in the following folder. To install in a different folder, click Browse and select another folder. Click Install to start the installation. path is to the root. If necessary, remove any Destination Folder spaces or C:\Program Files\Apache Software Foundation\Tomcat 7.0 Browse... special characters. Space required: 11.7MB 12. Click Install. Space available: 107.9GB Nullsoft Install System v2.46 < Back Install Cancel

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15.	Open the Tomsat Monitor	S Apache Tomca	at 7.0 Tomcat	/ Properties					
		General Log On	Logging Ja	va Startup	Shutdown				
	Java tab.	Use default	t						
14.	In the <b>Java</b>	Java Virtual Ma	chine:						
	Options field,	C: \Program Fi	les\Java\jre7\b	oin \server \jvm.dll					
	type the	Java Classpath	:						
	appropriate Java	C:\Program Files\Apache Software Foundation\Tomcat 7.0\bin\bootstrap.							
	Options, as	lava Ontions:							
	described in the	Destaling home-CilProgram Elles/Apache Software Enundation/Tor							
	Wiki.	-Dcatalina.home=C: \Program Files \Apache Software Foundation \Tom -Dcatalina.base=C: \Program Files \Apache Software Foundation \Tom							
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	nage and click	Apache Tomca	107.0.52				b http://www	.apache.org/	10×
	Managor Ann	H	'you're seeing l	this, you've succe	ssfully insta	alled Tomcat	. Congratulations	1	
	Manager App.		Recommended F	Reading:				Secure Status	
			Security Conside Manager Applica	tion HOW-TO				Manager App	
			Clustering/Sessi	on Replication HOW-1	0			Host Manager	
		Developer Quick St	art						
		Tomcat Setup	Realms	8 AAA	Examples		Servlet Specifi	cations	
		First web Application	300c 0	ald Sources			Tomical Version	5	
18.	Verify that the	WAR file to deploy							
	appropriate			Select WAR file to upload Choose F	le No lle chosen				
	versions of			Deploy					
	Tomcat and Java								
Check to see if a web application has caused a memory leak on stop, reload or undeploy									
	ale motanea.	rind leaks This diagno	eoc ofeck will trigger a full garbag	e colection. Use it with extreme cauti	on on production system	5.			
		Server Information	B/B Version	D/II Vender	OS North	OS Version	OS Indiantes	Hadrama	D Miler
		Apache Tomcat/7.0.52	1.7.0_51-513	Dracle Corporation	Windows 7	6.1	amd64	CNORRISSEYIL	10.128.0.140

# Linux

## Installing Java

Note: For Linux installation: Before upgrading, you have to create ThingworxStorage and ThingworxBackupStorage folders or give Tomcat proper permissions to be able to create those folders on the root.

- Visit the <u>Oracle website</u> to download and install the required version of the Java Development Kit (JDK). If necessary, refer to the System Requirements.
- 2. Deploy the JDK.
- 3. Verify that the correct version of Java is installed.
- 4. Verify Java Home points to the proper Java version.

#### Installing Tomcat

- 1. Visit the <u>Tomcat website</u> to download and install the required version of Tomcat. If necessary, refer to the System Requirements.
- 2. Deploy Tomcat.
- 3. Configure the user and the Java options. If necessary, refer to the Wiki for more information.

Connector Configuration:

In <tomcat install dir>/conf/server.xml

#### protocol="org.apache.coyote.http11.Http11NioProtocol

4. Launch Tomcat and verify it is up and running by going to the appropriate <servername>/Thingworx.