Installing Joget as a Windows Service

1. Download the desired Tomcat version from its official site. You can click here to get Tomcat 8.

i	32 or 64 bits?
	Make sure that you match Tomcat with the version of Java that you are using.

2. Make sure that you pick the bundle meant for Windows as highlighted below.

Binary Dis	stributions
• Co	re:
	 <u>zip</u> (pgp, <u>md5</u>, <u>sha1</u>)
_	 <u>tar.gz</u> (pgp, <u>md5</u>, <u>sha1</u>)
l 1	 <u>32-bit Windows zip (pgp, md5, sha1)</u>
	 <u>64-bit Windows zip (pgp, md5, sha1)</u>
-	 <u>64-bit Itanium Windows zip (pgp, md5, sha1</u>)
	• <u>32-bit/64-bit Windows Service Installer (pgp, md5, sha1)</u>
• Ful	I documentation:
Extract the content and put	t it into the Joget's installation directory.
In this article, our Joget Wor	rkflow installation directory is C:\joget.Joget-v5-Enterprise.\
At the time of writing, "apac	:he-tomcat-8.0.33" is the version downloaded.
Windows (C:) > joget	t > Joget-v5-Enterprise
^ Name	Date modified Type Size

^	Name	Date modified	Туре	Size
	📕 apache-ant-1.7.1	10/3/2016 2:56 PM	File folder	
	apache-tomcat-8.0.20	10/3/2016 2:56 PM	File folder	
	apache-tomcat-8.0.33	11/4/2016 4:33 PM	File folder	
	📕 data	10/3/2016 2:56 PM	File folder	
	📕 jre1.7.0_76	10/3/2016 2:56 PM	File folder	
	📕 wflow	11/3/2016 4:06 PM	File folder	
	192.168.56.1.tm32.epoch	11/4/2016 2:48 PM	EPOCH File	1 KB
	🖀 build.xml	10/3/2016 12:38 PM	XML Document	4 KB
	CHANGES.txt	10/3/2016 12:38 PM	Text Document	76 KB
	闷 joget.ico	10/3/2016 12:38 PM	lcon	10 KB
	🤗 joget_start.ico	10/3/2016 12:38 PM	lcon	5 KB
	🤗 joget_stop.ico	10/3/2016 12:38 PM	lcon	5 KB
	🖲 joget-start.bat	31/3/2016 11:10 AM	Windows Batch File	1 KB
	🖲 joget-stop.bat	10/3/2016 12:38 PM	Windows Batch File	1 KB

4. Copy the Jw.war and Jwdesigner.war from existing torncat's webapps folder into the new one (i.e. from \apache-torncat-8.0.20\webapp\ to \apache-torncat-8.0.33\webapp\)

5. Optional step: If you every plan to start up Joget Workflow manually next time by running the usual batch file or through Windows Start Menu, you can modify joget.start to point to the new tomcat folder.

Existing coo	le
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3.

set CATALINA_HOME=.\apache-tomcat-8.0.20

New code

set CATALINA_HOME=.\apache-tomcat-8.0.33

6. Open up \apache-tomcat-8.0.33\bin in your command prompt.

7. Run service.bat install.

Command Prompt	
C:\joget\Joget-v5-Enter	prise\apache-tomcat-8.0.33\bin>service.bat install
Installing the service	'Tomcat8'
Using CATALINA_HOME:	"C:\joget\Joget-v5-Enterprise\apache-tomcat-8.0.33"
Using CATALINA_BASE:	"C:\joget\Joget-v5-Enterprise\apache-tomcat-8.0.33"
Using JAVA_HOME:	"C:\Program Files\Java\jdk1.7.0_79"
Using JRE_HOME:	"C:\Program Files\Java\jdk1.7.0_79\jre"
Using JVM:	"C:\Program Files\Java\jdk1.7.0_79\jre\bin\server\jvm.dll"
The service 'Tomcat8' h	has been installed.

 \sim

<u>R</u>estart

Apply

8. To verify, you may check in Computer Management -> Services.

Startup type:

Service Status:

<u>S</u>tart

Manual

Stopped

S<u>t</u>op

🔍 Services						-	
<u>File</u> <u>Action</u> <u>View</u>	Help						
(+ +) 🗊 🗎 🤇	3 🔒 🛛 📷 🕨 🖬 🖬 🕬						
🔍 Services (Local)	O Seprices (Local)						
	Anache Tomcat 8 0 Tomcat8	Name	Description	Status Sta	rtup Type Log O	Δs	
	Apache Tomeato Tomeato	ActiveX Installer (AxInstSV)	Provides User Account Control validation for the installatio	Ma	inual Local S	vste	
	Start the service	AllJoyn Router Service	Routes AllJoyn messages for the local AllJoyn clients. If this	. Ma	nual (Trig Local S	ervice	
		Apache Tomcat 8.0 Tomcat8	Apache Tomcat 8.0.33 Server - http://tomcat.apache.org/	Ma	inual Local S	yste	
	Description: Apache Tomcat 8.0.33 Server -	App Readiness	Gets apps ready for use the first time a user signs in to this	Ma	inual Local	yste	
	http://tomcat.apache.org/	Application Host Helper Service	Provides administrative services for IIS, for example configu Determines and verifies the identity of an application. Dirah	Running Au	tomatic Locals	yste	
		Application Information	Facilitates the running of interactive applications with addit.	Running Ma	inual (Trig Local S	vste	
		Application Layer Gateway Service	Provides support for 3rd party protocol plug-ins for Interne	Ma	inual Local S	ervice	
		AppX Deployment Service (AppX	Provides infrastructure support for deploying Store applicat.	Ma	inual Local S	yste	
		ASP.NET State Service	Provides support for out-of-process session states for ASP	Ma	inual Netwo	rk S	
		Auto Time Zone Updater	Automatically sets the system time zone.	Ma	inual (Trig Local S	ervice	
Conoral			al distance				
General	Log On Logg	ing Java Star	tup Shutdown				
		10					
Servio	ce Name: tom	cato					
Displa	ay name: An	ache Tomcat 8.0 1	omcat8				
Descr	iption: An	ache Tomcat 8.0.	33 Server - http://tomcat.ar	bache.			
-							
D- H-	La constantinte de la constante						
Path	to executable:						
	-						
C · \i	nant\loget_v5_En	torprise) apache tr	ment 0.0.221hinItement0.e				
	uger puger-vu-li	iterprise (apacrie-ti	pincar-o.o.ppin/ionicaro.e	exe //R			

<u>P</u>ause

Cancel

ОК

10. Go to the Logging tab. Verify that the Log path is pointing to the correct location, by default, it should point it back to the logs folder of the current Tomcat already. Select the level of logging you wish for in the level drop-down list.

🏷 Apache Tomcat 8.0 Tomo	cat8 Properties	×
General Log On Logging	Java Startup Shutdown	
Level: Info	~	
Log <u>p</u> ath:		
C:\joget\Joget-v5-Enterp	prise\apache-tomcat-8.0.33\logs	
Log prefix: commo	ons-daemon	
Pid file:		
Redirect Stdout:		
auto		
Redirect Stderror:		
auto		
	OK Cancel Apply	

11. Next, go to the Java tab, append the following lines in the Java Options field. This is to define the wflow home folder from where Joget Workflow will run.

Append these lines

-Dwflow.home=C:\joget\Joget-v5-Enterprise\wflow	
-javaagent:C:\joget\Joget-v5-Enterprise\wflow/aspectjweaver-1.8.5.jar	

eneral Log On	Logging	Java	Startup	Shutdown		
Use default						
Java Virtual Mach	ine:					
C:\Program Files	;\Java\ji	dk1.7.0_	79\jre\bin\s	erver\jvm.o	JII	
Java Classpath:						
C:\joget\Joget-\	v5-Enter	rprise\apa	ache-tomca	it-8.0.33\bir	n\boots	strap.jar
lava Options:						
-Djava.io.tmpdir -Djava.util.loggir -Djava.util.loggir -Dwflow.home=	=C:\jog ng.mana ng.confi C:\joge	jet\Joget ager=org g.file=C: t\Joget-v	-v5-Enterpi .apache.ju \joget\Joge 5-Enterpris	rise \apache li.ClassLoad et-v5-Enterp e \wflow	-tomca erLogM orise \aj	t-8.0.3 Ianage pache-i
Initial memory poo	ol:	128			MB	
Maximum memory	pool:	256			MB	
Thread stack size					КВ	
			ОК	Cance	9	App
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13. You can now start up Joget as a service.

After you have successfully added Tomcat as a service, you may also want to add MySQL as a service and make Tomcat dependent on MySQL as well.

1. Installing MySQL as a Windows Service

2. Adding MySQL service as a Dependency to Tomcat service

Reference: Apache Tomcat 8 - Windows service HOW-TO