

Tomcat 9.x self-serve upgrade package

Script to upgrade FMW Tomcat 9.x to the latest 9.x version.

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Overview

Script name: TomcatInstaller.exe

Script version: 1.0

The package will have the following structure after you download and unzip the following file: TomcatInstaller.zip

TomcatInstaller 🕨
Name
퉬 embedded_tomcat
TomcatInstaller.exe
TomcatInstaller.log
🚳 uninstall_Tomcat9_FMW102.bat

The script you will use to upgrade your FMW Tomcat 9.x to the latest version of Tomcat 9.x is TomcatInstaller.exe. Please note the following important points:

- You must run the script as an administrator.
- It will upgrade your Tomcat 9.x version to Tomcat 9.0.102 with this version.
- Your old FMW Tomcat 9.x will not be affected, only disabled and stopped.
- The script is not intended to upgrade earlier major versions of Tomcat, such as Tomcat 7 or Tomcat 8.
- The new FMW Tomcat 9.x links will run at the same port where your old Tomcat 9.x links run.
- You will not have to recreate the FMW links.
- When the upgrade process is complete, the new FMW Tomcat 9.x will be enabled and running.
- When the upgrade process is complete, the script will generate a log file named TomcatInstaller.log under the same directory where the script is located.

If the upgrade goes wrong and you need to uninstall the new FMW Tomcat 9.x, a script is provided: uninstall_Tomcat9_FMW102.bat, which is also located in the same directory. You must run this script as an administrator.

Steps to run the script TomcatInstaller.exe

 After downloading the FMW Tomcat 9.x upgrade script from our website, unzip the TomcatInstaller.zip file on the FMW Application server. You may download and save the script to any location of your choice. For easy access, we recommend placing it in a directory you can easily navigate to from the file explorer. See example below:

installers	
Name	*
👔 TomcatInstaller	
🔒 TomcatInstaller.zip	

2. Right-click on the script **TomcatInstaller**.exe and run it as an administrator:

TomcatInstaller v C Searc		Search TomcatInstaller			
Name			Date modified		Туре
🔒 embedded tomcat			4/4	/2025 11:03 AM	File fol
TomcatInstaller.exe			<u>//</u> 8	/2025 5-13 DM	Applic
TomcatInstaller.log	_	Open			
uninstall_Tomcat9_FMW102	.ba 😌	Run as a	dm	ninistrator	

3. Windows will display a prompt requesting confirmation before proceeding.



Click on Yes.

4. Clicking "Yes" will trigger a pop-up to initiate the upgrade, see screenshot below:

	FMW Tomcat Updater	_ D X
1	Apache Tomcat 9.0 Tomcat9kc989fmw (Tomcat9kc989fmw - v9.x)	Update
	(2))[`
	Select a Tomcat service to update	
4	Found service executable path: D:\FMWWebKC\Tomcat 989 kc\bin \Tomcat9kc989fmw.exe Found Tomcat service: Tomcat9kc989fmw (Apache Tomcat 9.0 Tomcat9kc98 Path: D:\FMWWebKC\Tomcat 989 kc\bin\Tomcat9kc989fmw.exe Version: 9.x	9fmw)
1	The script scans the entire server and detects all Tomcat installations a	cross all drives.
2 3_	The script displays a drop-down containing all Tomcat installations dete server. A message asking you to select the Tomcat service to upgrade w This button initiates the upgrade.	ected on your vill display.
	FMW Tomcat Updater	– – ×
	Apache Tomcat 9.0 Tomcat9089kc (Tomcat9089kc - vUnknown) 💌	Update
~		

The script provides real-time logging of each step during the upgrade process. A detailed log is also automatically saved to a file named **TomcatInstaller.log**, located in the same directory as the script. This log file can be used for post-upgrade verification or troubleshooting purposes.

- 5. When the upgrade begins, the script will disable and stop your selected Tomcat 9.x server in the drop-down to allow the new Tomcat 9.x version to use the same port.
- 6. All configuration settings from the selected Tomcat 9.x server will be migrated to the new Tomcat 9.x installation.

7. Once the upgrade process finishes successfully, the script will display a message confirming successful completion. See below:

	FMW Tomcat Updater 📃 🗖	x
Apache Tomca	tt 9.0 Tomcat9089kc (Tomcat9089kc - v9.x) 🗾 Update	
Installation cor	nplete! Service is running.	
version with vu Detected old T Reading regist Foundation\Pro Preparing to w Foundation\Pro No path update \bootstrap.jar;(Successfully s Successfully s Successfully s Service is now Tomcat install	ersion detection\TomcatInstaller omcat version: Unknown ry settings from: SOFTWARE\WOW6432Node\Apache Software ocrun 2.0\Tomcat9_FMW\Parameters\Java rite registry settings to: SOFTWARE\WOW6432Node\Apache Software ocrun 2.0\Tomcat9_FMW102\Parameters\Java se needed for Java: C:\Java\jre1.8.0_202\bin\server\jvm.dll se needed for Classpath: C:\FMWWeb-Dev\Tomcat 9.0.80\bin C:\FMWWeb-Dev\Tomcat 9.0.80\bin\tomcat-juli.jar opied and updated registry settings et service to automatic startup tarted service running ation completed successfully to start automatically and is now running	
berrice is set	a start datamatically and is now ranning	
	Success	
	Tomcat has been installed successfully and the service is running!	
	ОК	

If the process is not completed successfully, the following message will be displayed:

	FMW Tomcat Updater	
Apache Tomca	t 9.0 Tomcat9kc989fmw (Tomcat9kc989fmw - v9.x) 💌 Update	:
Extracting Tom	icat	
Found Tomcat Path: D:\FMW Version: Unkk Starting Tomca Selected servi Found existing New Tomcat w Stopping and c Stopped servi Disabled servi Downloading T	service: Tomcat9089kc (Apache Tomcat 9.0 Tomcat9089kc) WebKC\Tomcat 9.0.89\bin\Tomcat9089kc.exe nown at installation process ce: Tomcat9089kc (Apache Tomcat 9.0 Tomcat9089kc) g Tomcat at: D:\FMWWebKC\Tomcat 9.0.89 ill be installed at: D:\FMWWebKC\Tomcat 9.0.102 disabling service: Tomcat9089kc ce: Tomcat9089kc ice: Tomcat9089kc fomcat 9.0.102	^
Extracting Ton Execution extr	ncat files action command	
PowerShell ex Error: Failed to	traction process failed with exit code: 1 o extract Tomcat - extraction process failed	=
	Error	
	Error: Failed to extract Tomcat - extraction process failed	
	ОК	

In this case, you will need to run the uninstall script and then enable and restart the old Tomcat 9.x service to ensure it is running properly. For detailed instructions, refer to the "Steps to Run the Uninstall Script" section at the end of this document.

- 8. Click ok, copy the log lines to a text file, and save it. This is just a safe step to have all the steps tracked.
- 9. Open Windows Services and confirm that both the old FMW Tomcat 9.x service and the newly installed Tomcat 9.x service are present on the list.

			Services		
	File Action View Help				
	🗇 🔿 📰 🖾 🙆 📓 🖬 🕨 🕨				
	Services (Local)				
	Apache Tomcat 9.0	Name	Description	Status	Startup Type Log On As A
	Tomcat9kc989fmw	🔍 Apache Tomcat 8.5 Tomcat8	Apache Tomcat 8.5.15 Server - http://tomcat.apache.org/	Running	Automatic (D Local Syste
	Description: Apache Tomcat 9.0.89 Server -				=
https://tomcat.apache.org/ NEW TOMCAT	The American Transmission (A PA MATO)	A	Durasia a	Automatic Landforder	
	M Apache Tomcat 9 Piviw 102	Apache Tomcat 9.0.102 Server - https://tomcat.apache.org/	Kunning	Automatic Local Service	
OLD TOMCAT		Apache Tomcat 9.0 Tomcat9kc989fmw	Apache Tomcat 9.0.89 Server - https://tomcat.apache.org/		Disabled Local Service
		1.2 Ann Pandinara	Late same conductor una tina fuel timo a curar come in the time UI. And colore a	AAIAA AA	RANAUNI LACALAURA

Check that the New FMW Tomcat 9.x service is running.

10. Log in to the app by either using the links from the web page or by double-clicking the desktop shortcut.

Steps to run the uninstall script if the Tomcat 9.x upgrade script did not run successfully

 Locate the script uninstall_Tomcat9_102.bat in the folder where you downloaded and extracted the tomcatinstaller.zip file. It should look as follows:

TomcatInstaller 🕨				
Name				
퉬 embedded_tomcat				
TomcatInstaller.exe				
TomcatInstaller.log				
🚳 uninstall_Tomcat9_FMW102.bat				

Right-click on the script and run it as an administrator:

TomcatInstaller		
Name	Date modified Type	
퉬 embedded_tomcat	4/4/2025 11:03 AM File folder	
TomcatInstaller.exe	4/8/2025 5:13 PM Application	
Tomcatinstaller log	4/17/2025 11:31 AM Text Document	t
🚳 uninstall_Tomcat9_FMW102.bat	A/8/2025.6-37.PM Windows Batch	- File
	Open	
	Edit	
	Print	
	🛞 Run as administrator	
	The second se	

- 2. When the uninstall script finishes, a message will appear confirming the completion.
- 3. The uninstall script will remove the new Tomcat 9.x version, but it will not delete the installation folder. Please delete the folder **Tomcat_9.0.102** manually.

퉬 Tomcat_9.0.102

- 4. Check the services and confirm that the Tomcat_9.0.102 is not available.
- 5. Enable and start the old FMW Tomcat 9.x
- 6. Log in to the app by either using the links from the web page or by double-clicking the desktop shortcut.