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## Jmeter installation guide

In the previous tutorial, we installed Java 8 on our machines because we need Java to run JMeter. In this tutorial, we're going to install the latest version of JMeter, i.e. JMeter 4 (as well as July 4, 2018) and the following topics that we're going to cover in this tutorial. Preliminary Requirements for Installing JMeter 4.0 JMeter 4.0 Highlights How to Download JMeter? How do I run JMeter? Before installing let's look at the preliminary requirements for installing JMeter 4.0 and the features presented in JMeter 4.0 Preliminary Software Requirements: Since JMeter is a pure Java software, Java should be on your machine. JMeter 4.0 only supports Java 8 and 9. It doesn't support any previous version of Java, nor does it support Java 10. Set Java on Mac Install Java to the requirements of the Windows operating system: If your operating system supports Java, then JMeter should work properly in your system. Below are the operating systems and file required to run JMeter on their respective operating systems. Windows: jmeter.bat (Launch JMeter on Windows) MAC: jmeter.sh (Launch JMeter on MAC) Linux: jmeter.sh (Launch JMeter On Linux) We'll talk about these files in later sections. JMeter4.0 Highlights: JMeter 4.0 is a major release after JMeter 3.3, which was released within two years of its previous major release, i.e. JMeter 3.0. The improvements in JMeter 4.0 are largely focused on the user experience and, with that in mind, it made it easier for the user to navigate and create the test. Below are some features that will be recognized as a JMeter 4.0 user. Workbench will no longer be considered for GUI as stated in JMeter 4.0. GUI JMeter4.0 has been changed to black from white. English is now the JMeter 4.0 default language. Previous versions of JMeter use the language language language language of the computer language. Most of the items you use will be seen for the first time in JMeter 4.0. JMeter 4.0 uses an 8 or 9 version of Java. JSON's approval is now a core part of JMeter. Thus, a third-party plug-in for JSON approvals is no longer required. The Frontier Extractor is new in JMeter 4.0. It is a post-processor that performs after each sample request in its query and allows the user to extract values from the server response using the right and left boundaries provided by the user. Accurate bandwidth timer, this timer introduces variable pauses calculated to keep overall bandwidth (e.g. in terms of samples per minute) as close as possible to the figure give. Note: JSON approval is used to make statements in the JSON document. For a deeper understanding of the changes made to JMeter 4.0, please contact JMeter. How to download JMeter? In this section, we'll download the latest version of JMeter. JMeter download is similar to MAC, so is Windows. In the below steps I'll be downloading JMeter 4.0 on mac but you can follow the same steps for Windows as well. 1. Go to the Apache Jmeter website to download JMeter. 2. Tap apache-jmeter-4.0.zip for MAC as well as Windows 3. How do you hit apache-jmeter-4.0.zip apache-jmeter-4.0.zip will start downloading. 4. Once the download is complete go to downloading your machine folder and there you will see apache-jmeter-4.0.zip file. 5. Unpack the file and keep it in its preferred location. For MAC I twice clicked the file to Unzip it; For Windows you can right click on it and Unzip. After Unzip, open the folder. In my case, I copied the folder to my desktop, and now I'm going to open the folder. The Bin folder contains templates, .bat, .sh, .jar files to run JMeter. It also contains user and JMeter property files. The Lib folder contains all the necessary bank files. jmeter.bat required to run Jmeter GUI on windows jmeter.sh required to run Jmeter GUI on MAC and Linux so now we've downloaded JMeter and now we're ready to run this JMeter graphical interface on our system. How do I run JMeter? For MAC go to the terminal press team and space. As soon as you click on the team and the Spotlight space will appear. For Windows go to the Operational Team click Window r or go to run. Note: If the terminal is already open, please close and open it 1. Running JMeter by switching to the catalog bin and typing the following: qlt;file path/apache-jmeter-4.0/bin/jmeter.sh Example in my case is:/Users /mohitgarg/Desktop/apache-jmeter-4.0/bin/jmeter.sh 2. Once you click enter after entering the above command your terminal will look like the image below. 3. Apache JMeter will start downloading. 4. In a few seconds, the JMeter GUI will start. JMeter GUI looks like the one below. Note : To run JMeter on Windows, just double-click jmeter.bat file or go to the command hint of the zlt;file path and type /apache-jmeter-4.0/bin/jmeter.bat and wait for a few seconds JMeter GUI will be launched. So, summing up this tutorial. Now we know how to download and run JMeter on MAC OS as well as Windows. In the upcoming tutorial, we'll look at the JMeter gui interface and eventually build our first test plan. The JMeter JMeter installation is Java-based software, and it's a fully Java application developed by Apache software to test load, test the performance of web applications, and respond time to a website. Basically, we'll use JMeter for performance and download testing of a web application, using a lot of load and sending more requests to the web application. It was originally designed to test web and FTP applications. We can use his app for functional database testing. The JMeter app is used to simulate the performance or download of an app, such as real-time scenarios. We'll look at how to install JMeter on Windows as below. Steps to install JMeter on Windows steps to install JMeter are as follows: Step 1: To install JMeter on windows first we need The latest JDK (Java Development Kit) from the website and find the JRE and JDK link version 8 and click on the download. Step 2: After that, user service conditions and choose the appropriate operating system to download, here we chose the windows as below Step 3: Save performed and as soon as the download is performed, then double click on the execution to install JDK on our system as below: Step 4: Now click on the start installation later click on the next go to the installation, then you get options, leave as it is and click on the next, then asks to save Java source code/ files. We can give the desired location, then click on the following and it will end the installation as below: Step 5: Once the above installation is done another dialogue box will come and select close on it. We have successfully installed JDK and JRE on our system and we can install JMeter Now Step 6: To install JMeter on the Windows operating system we must have a jmeter file.bat to run JMeter on Windows and jmeter.sh on the JMeter lunch JMeter Step 7: Now download JMeter from the official site and download the JMeter latest version of the dia file by selecting the lightning version as below Step 8: Now click on apache-jmeter-5.1.1.zip sha512 pgg and it will be downloaded. Once the download is complete, then go to the folder where the download occurred, then find the mail file and unpack the file in one folder, and we'll see content as below: Step 9: The bin folder contains files like templates, .sh .bat and .jar files that are needed to run the JMeter app and lib folder contains all the libraries and cans of files required for the JMeter app and as we discussed as above jmeter.bat required for the Windows platform while Jmeter.sh required for the Windows platform. Step 10: We successfully downloaded the app, and now we'll run the app by moving to the JMeter files and the deacons location below: User/Dasu/Apache-JMeter-5.0/bin/JMeter.sh and execute the .sh script, then we'll watch below the message or process of Step 11: Now Apache JMeter will start downloading the app and will be seen as a step below 12: After that, as JMeter loads successfully we will see the opening of the GUI and command line modes like below step 13: Successfully we installed and run the JMeter app, and if we want to check which version of Java is installed on our system, then we need to open the console command line on the windows by clicking windows'r and then enter cmd. The terminal will open and then enter the Java version, as below Step 14: JMeter Binary Files and other folder files will have the following folders as below: Backup: This folder will store backup for JMeter projects, and we can edit them in JMeter. Bin: This folder contains to perform files, files needed for configuration to simulate load and performance and change the settings of JMeter, etc. Step 15: JMeter app has a folder with the name of documents that will have information and document in HTML format that we have to collect and Additional tools are available that are used to compare graphs with JMeter jobs. The Lib folder will have all the Java JAR files required for the JMeter app while printable\_docs that will have documentation and other information. Step 16: We can see above the JMeter theme, which is dark and enjoyable for users to use the JMeter app. Step 17: We can upgrade the existing JMeter to the last JMeter available by following the steps below: we have to download the latest JMeter and unpack it in a new folder rather than in the existing folder and repeat the above steps as described. Step 18: If we want to remove JMeter from our system it is very easy as we need to just select the apache-jmeter-xx folder where xx is the version number and remove that particular folder. We have successfully removed the JMeter app. Step 19: If we are unable to get JMeter up and running, then we need to check whether JRE and JDK are set up to fix versions in variable environments as JAVA\_HOME, if that's not right, then we should add a JRE and JDK bin path to JAVA\_HOME and save the environment. Step 20: Now we can run the JMeter app and it will be successfully launched as we discussed above. Step 21: Using JMeter, we can perform and download testing, creating a testing plan where we will mention every step of the task we have to do with the appropriate comments, so that JMeter will simulate all these actions while doing our job. Step 22: Similarly, we can install JMeter in the Linux and MAC environment by downloading the .sh file and follow the remaining procedure as the same in the Windows environment, and we will be able to install JMeter successfully in these environments too. Conclusion Finally, this is a review of the JMeter installation, a problem we may encounter how to update and remove it on all platforms. I hope you'll have a good understanding and able to install the JMeter app successfully on your machines through Windows, Linux, MAC platforms and fixing all the problems. Featured article This was a guide on how to install JMeter? Here we discussed the steps needed to install JMeter on the window system. You can also go through our other suggested articles to find out more - Set .NET Install Java 8 Install PostgreS'L Install Apache Apache