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Apache Ant

Overview

04.24.2012



```
vinuses@trojans:~$ ant -version
Picked up JAVA_TOOL_OPTIONS: -javaagent:/usr/share/java/jayatanaag.jar
Apache Ant(TM) version 1.9.4 compiled on April 29 2014
vinuses@trojans:~$
```

Apache ant download for windows 7 32 bit. Apache ant alternatives. Apache ant examples.

Apache Ant is a Java library and command-line tool whose mission is to drive processes described in build files as targets and extension points dependent upon each other. The main known usage of Ant is the build of Java applications. Ant supplies a number of built-in tasks allowing to compile, assemble, test and run Java applications. Ant can also be used effectively to build non Java applications, for instance C or C++ applications. More generally, Ant can be used to pilot any type of process which can be described in terms of targets and tasks. Ant is written in Java. Users of Ant can develop their own "antlibs" containing Ant tasks and types, and are offered a large number of ready-made commercial or open-source "antlibs". Ant is extremely flexible and does not impose coding conventions or directory layouts to the Java projects which adopt it as a build tool. Software development projects looking for a solution combining build tool and dependency management can use Ant in combination with Apache Ivy. The Apache Ant project is part of the Apache Software Foundation. Apache Ant 1.10.12 October 19, 2021 - Apache Ant 1.10.12 Released Apache Ant 1.10.12 are now available for download as source or binary from . The Apache Ant team currently maintains two lines of development. The 1.9.x releases require Java5 at runtime and 1.10.x requires Java8 at runtime. Both lines are based off of Ant 1.9.7 and the 1.9.x releases are mostly bug fix releases while additional new features are developed for 1.10.x. We recommend using 1.10.x unless you are required to use versions of Java prior to Java8 during the build process. Ant 1.10.12 is mainly a bug fix release Apache Ant/Unit 1.4.1 Jul 7, 2021 - Apache Ant/Unit 1.4.1 Released Apache Ant/Unit 1.4.1 is now available for download as binary or source release. This release fixes the antlib.xml descriptor so that Ant/Unit can now be used with a user-defined URI rather than having Ant/Unit's preferred URI hardcoded. EasyAnt retired Dec 13, 2016 - EasyAnt retired The Ant PMC voted to archive the EasyAnt subproject and all its modules. This means that all its resources are removed or made read only and no further development will be done. It also means that, if a community grows, the subproject could be reactivated. Apache Ivy 2.4.0 December 26, 2014 - Apache Ivy 2.4.0 Released Apache Ivy 2.4.0 is now available for download as source or binary (with and without dependencies) from . Key features of the 2.4.0 release are some new Ant tasks improved OSGI support a Bintray resolver numerous bug fixes as documented in Jira and in the release notes For more information see the Ivy home page. Apache IvyDE 2.2.0 November 22, 2013 - Apache IvyDE 2.2.0 Released The Apache IvyDE project is pleased to announce its 2.2.0 release. The Apache IvyDE Eclipse plugin integrates Apache Ivy's dependency management into Eclipse. It lets you manage your dependencies declared in an ivy.xml in your Java Eclipse projects, or any other kind of project which needs dependency management. Apache IvyDE will contribute to the classpath of your Java project or you can make it retrieve your dependencies directly into your project. Last but not least Apache IvyDE offer editors of ivy.xml and ivysettings.xml files with completion. Get some preview here: Major changes in this release The API of IvyDE has been stabilized so that third party plugins can rely on it, while still not complete, and still not advertised as stable in Ivy, support of OSGi has been added, javadoc and source attachment can be edited now one by one, improved stability of the resolve process, improved logging for easier debugging. Compatibility This release is expected to work with every version of Ivy 2.1 or superior. The OSGi features require Ivy 2.3.0 or superior though. This release is considered as stable. The beta of 2.2.0 has been out for a (too) long time. A more detailed release notes can be read there: Download the 2.2.0 release at: Or use directly the Apache IvyDE's updatesite: Issues should be reported to: More information can be found on the Apache IvyDE website: Documentation You can view the documentation for the current release online Comprehensive documentation is included in the source and binary distributions. Get Involved I want to install Apache ant on windows. Here is some information below: I followed its descriptions and step by step but it still cannot work. I think the entire environment variables I set are correct. May please someone helps me? And some copies from cmd. C:\>echo %ANT_HOME% C:\Program Files\apache-ant-1.9.4 C:\>echo %JAVA_HOME% C:\Program Files\Java\jdk1.6.0_34 C:\>java -version java version "1.6.0_34" Java(TM) SE Runtime Environment (build 1.6.0_34-b04) Java HotSpot(TM) Client VM (build 20.9-b04, mixed mode, sharing) C:\>ant is not recognized as an internal or external command,operable program or batch file. My Ant version is 1.9.4 8 Apache Ant is distributed under the Apache Software License which is a fully-fledged open source license certified by the open source initiative. The latest Apache Ant version, including its full-source code, class files, and documentation can be found at . Installing Apache Ant It is assumed that you have already downloaded and installed Java Development Kit (JDK) on your computer. If not, please follow the instructions available at file:///C:/java/java_environment_setup.htm Ensure that the JAVA_HOME environment variable is set to the folder, where your JDK is installed. Download the binaries from Unzip the zip file to a convenient location c:\folder by using Winzip, winRAR, 7-zip or similar tools. Create a new environment variable called ANT_HOME that points to the Ant installation folder. In this case, it is c:\apache-ant-1.10.12-bin folder. Append the path to the Apache Ant batch file to the PATH environment variable. In our case, this would be the c:\apache-ant-1.10.12-bin\bin folder. Verifying the installation To verify the successful installation of Apache Ant on your computer, type ant on your command prompt. You should see an output as given below - C:\>ant -version Apache Ant(TM) version 1.10.12 compiled on October 13 2021 If you do not see the above output, then please verify that you have followed the installation steps properly. Installing Eclipse This tutorial also covers integration of Ant with Eclipse integrated development environment (IDE). Hence, if you have not installed Eclipse, please download and install Eclipse. Steps to install Eclipse Download the latest Eclipse binaries from www.eclipse.org Unzip the Eclipse binaries to a convenient location, say c:\folder. Run Eclipse from c:\eclipse\ eclipse.exe. Developers are constantly learning. No amount of knowledge is enough when it comes to facing a new project, and, oftentimes, no arsenal of tools is large enough to help overcome the obstacles that they will surely find along the way. Although Java, a fairly common and widely used programming language, is solidly built in itself, some things can still be made more easily using specialized tools. For instance, libraries like this, which is incidentally also based on Java, help greatly in the process of building applications designed using this standard. Rather than rely on XML, this utility uses its own proprietary format and lets you test and run different building blocks of your project and automate them as well to see how they perform before actual integration to the app in development. It should be said, though, that this community favorite remains that and nothing more, given that its own development has faced some hardships and it is likely that it will suffer the fate of millions of open source projects available online. Try it for yourself while you can. Apache Ant is licensed as freeware for PC or laptop with Windows 32 bit and 64 bit operating system. It is in others programming category and is available to all software users as a free download. Install Apache Ant - Apache ANT is a Java library and command-line tool that help building software. Step 1: Go to this URL - 2: Download zip file named like apache-ant-1.10.1-bin.zip Step 3: Extract the zip file into a directory structure of your choice. Step 4: Go to Computer - Properties - Advanced system settings Step 5: A new window opens. Click on Environment Variables Step 6: Make sure JAVA_HOME is configured as Windows environment variable. If it's not set, click 'New...' button and set variable name as 'JAVA_HOME' and variable value as the root path to JDK. Step 7: Click 'New...' button and set variable name as 'ANT_HOME' and variable value as the root path to unzipped folder and click OK. Step 8: Select 'Path' variable from the list and click 'Edit' and append ANT Path till bin folder Step 9: Restart system one time and you are ready to use Ant build tool now. Step 10: To check the version of your Ant using command line: Open Command Prompt and type 'ant -version' as shown below. The system should find the command ant and show the version number of your installed ant. If you are not regular reader of my blog then I highly recommend you to sign up for the free email newsletter using the below link. Apache Ant is a Java library and command-line tool that help building software. Downloading Apache Ant Use the links below to download a binary distribution of Ant from one of our mirrors. It is good practice to verify the integrity of the distribution files, especially if you are using one of our mirror sites. In order to do this you must use the signatures from our main distribution directory. Ant is distributed as zip, tar.gz and tar.bz2 archives - the contents are the same. Please note that the tar.* archives contain file names longer than 100 characters and have been created using GNU tar extensions. Thus they must be untarred with a GNU compatible version of tar. In addition the JPackage project provides RPMs at their own distribution site. If you do not see the file you need in the links below, please see the master distribution directory or, preferably, its mirror. Mirror You are currently using . 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. Current Release of Ant The Apache Ant team currently maintains two lines of development. The 1.9.x releases require Java5 at runtime and 1.10.x requires Java8 at runtime. Both lines are based off of Ant 1.9.7 and the 1.9.x releases are mostly bug fix releases while additional new features are developed for 1.10.x. We recommend using 1.10.x unless you are required to use versions of Java prior to Java8 during the build process. Currently, Apache Ant 1.9.16 and 1.10.12 are the best available versions, see the release notes. Note Ant 1.10.12 has been released on 19-October-2021 and may not be available on all mirrors for a few days. Tar files may require gnu tar to extract Tar files in the distribution contain long file names, and may require gnu tar to do the extraction. 1.9.16 release - requires minimum of Java 5 at runtime 1.10.12 release - requires minimum of Java 8 at runtime Old Ant Releases Older releases of Ant can be found here. We highly recommend to not use those releases but upgrade to Ant's latest release. Verify Releases It is essential that you verify the integrity of the downloaded files using the PGP signature or the SHA1 or SHA512 checksums. The checksums are not as strong indicators as the PGP signature. The PGP signatures can be verified using PGP or GPG. First download the KEYS as well as the asc signature file for the particular distribution. Make sure you get these files from the main distribution directory, rather than from a mirror. Then verify the signatures using % gpgk -a KEYS % pgpv apache-ant-1.10.12-bin.tar.gz.asc or % gpgk -a KEYS % pgpv apache-ant-1.10.12-bin.tar.gz.asc or % gpgk -a KEYS % pgpv apache-ant-1.10.12-bin.tar.gz.asc or % gpg --import KEYS % gpg --verify apache-ant-1.10.12-bin.tar.gz.asc A command line version of GnuPG is also available for Windows users. Follow the instructions to verify the package. Alternatively, you can verify the checksums on the files. Unix programs called sha1/sha512 or sha1sum/sha512sum are included in many unix distributions. *sum is also available as part of GNU Textutils. fsum supports SHA1. We highly recommend to verify the PGP signature, though.

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