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Package Details: hadoop 3.3.5-2

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Git Clone URL: <https://aur.archlinux.org/hadoop.git> (read-only, click to copy)

Package Base: [hadoop](#)

Description: An open-source software for reliable, scalable, distributed computing

Upstream URL: <https://hadoop.apache.org/>

Keywords: big-data java map-reduce

Licenses: Apache

Conflicts: yarn

Submitter: sjakub

Maintainer: ttc0419

Last Packager: ttc0419

Votes: 84

Popularity: 0.41

First Submitted: 2009-04-07 16:39 (UTC)

Last Updated: 2023-06-25 06:58 (UTC)

Dependencies (10)

[inetutils](#) ([gettext-hostname](#)^{AUR}, [inetutils-git](#)^{AUR}, [busybox-coreutils](#)^{AUR})
[java-runtime-headless](#) ([jre10](#)^{AUR}, [jre6](#)^{AUR}, [jre12](#)^{AUR}, [server-jre](#)^{AUR}, [jdk9-openj9-bin](#)^{AUR}, [jdk10](#)^{AUR}, [jdk10-openj9-bin](#)^{AUR}, [jdk7](#)^{AUR}, [jre7](#)^{AUR}, [zulu-14-bin](#)^{AUR},

Required by (3)

[apache-flink](#) (*optional*)
[swcdb-lib-fs-hadoop-jvm](#) (*make*)
[swcdb-lib-fs-hadoop-jvm](#) (*optional*)

[amazon-corretto-15^{AUR}](#), [sapmachine-jdk-bin^{AUR}](#),
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aarch64^{AUR}](#), [jre17^{AUR}](#), [jre8-adoptopenjdk-headless^{AUR}](#),
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[openssh](#) ([openssh-hpn-git^{AUR}](#), [openssh-git^{AUR}](#),
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gssapi^{AUR}](#), [openssh-dotconfig^{AUR}](#), [openssh-dotconfig-
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[cmake](#) ([cmake-git^{AUR}](#)) ([make](#))
[gcc12](#) ([make](#))
[java-environment](#) ([java-gcj-compatible^{AUR}](#), [jdk12^{AUR}](#),
[jdk9-openj9-bin^{AUR}](#), [jdk10^{AUR}](#), [jdk10-openj9-bin^{AUR}](#),
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[make](#) *(make-git^{AUR}) (make)*
[maven](#) *(mvnvm^{AUR}) (make)*
[pkgconfig](#) *(pkgconf-git^{AUR}, pkg-config-git^{AUR}, pkgconf) (make)*

Sources (8)

[hadoop](#)
[hadoop-datanode.service](#)
[hadoop-historyserver.service](#)
[hadoop-namenode.service](#)
[hadoop-resourcemanager.service](#)
[hadoop-secondarynamenode.service](#)
[hadoop.sh](#)
<https://github.com/apache/hadoop/archive/refs/tags/rel/release-3.3.5.tar.gz>

Latest Comments

1 2 3 4 5 6 .. 8 Next › Last »

sourcandy commented on 2023-10-11 15:15 (UTC)

@ttc0419 I see that you maintained both Hadoop and Spark packages, but both have different directory structures that makes me go insane for the first few days. Is it possible to move everything centralized to `/opt/apache-hadoop` instead (like most AUR packages)? Is it for historical purpose? Because it doesn't even follow the default Hadoop directory structures (which search for log and config file in `/usr` directory) if you run it directly.

I also spotted a little inconsistencies between `/etc/profile.d/hadoop.sh` and `/etc/conf.d/hadoop` where `JAVA_HOME` is not set on one of them.

Other than the Java error, I think `/etc/profile.d/hadoop.sh` should be modified to something like this to make it consistent when running it manually (e.g. as root) vs when running it via hadoop daemons:

```
export HADOOP_COMMON_LIB_NATIVE_DIR=/usr/lib
export HADOOP_CONF_DIR=/etc/hadoop
export HADOOP_LOG_DIR=/var/log/hadoop
export HADOOP_USERNAME=hadoop

# Consistently use "hadoop" even when running as root or other user
# Make it behave like daemons and prevent creating wrong DFS path (username)
export HDFS_NAMENODE_USER=hadoop
export HDFS_DATANODE_USER=hadoop
export HDFS_SECONDARYNAMENODE_USER=hadoop
export YARN_NODEMANAGER_USER=hadoop
export YARN_RESOURCEMANAGER_USER=hadoop

export JAVA_HOME=/usr/lib/jvm/java-11-openjdk
```

Also I created [this guide](#) in case some of you poor souls have the same problems as me when setting up Hadoop on Arch (since I can't find a good one and the Arch wiki for Hadoop is kinda outdated).

lllf commented on 2023-10-09 10:26 (UTC) (edited on 2023-10-09 10:26 (UTC) by lllf)

Had to put in this grotesque hack into `build()` to get it to build due to multiple errors: 1. C++17 not being set 2. Linker errors 3. Test not compiling 4. Yarn dependency requiring node 14 when node 12 is baked in

```
sed -i 's#<JVM_ARCH_DATA_MODEL>${sun.arch.data.model}</JVM_ARCH_DATA_MODEL>
sed -i 's#<id>yarn install</id>#<id>yarn install</id><configuration><argument>
```

lllf commented on 2023-10-09 06:41 (UTC)

No longer building due to:

```
10 [WARNING] [ 31%] Built target copy_hadoop_files
9 [WARNING] make[2]: Leaving directory '/build/hadoop/src/hadoop-rel-release
8 [WARNING] make[2]: Leaving directory '/build/hadoop/src/hadoop-rel-release
7 [WARNING] make[1]: Leaving directory '/build/hadoop/src/hadoop-rel-release
6 [WARNING] In file included from /usr/include/absl/base/config.h:86,
5 [WARNING] from /usr/include/absl/base/attributes.h:
4 [WARNING] from /usr/include/absl/strings/string_view:
3 [WARNING] from /usr/include/google/protobuf/compiler:
2 [WARNING] from /build/hadoop/src/hadoop-rel-release
```

```
1 [WARNING] /usr/include/absl/base/policy_checks.h:79:2: error: #error
1897 [WARNING]      79 | #error "C++ versions less than C++14 are not suppo
```

Adding -std=c++14 to CXXFLAGS doesn't seem to help. Please advise.

gnagnoyil commented on 2023-06-18 18:29 (UTC)

I'm facing the same issue @dom encountered. I think it's exactly the issue described in <https://issues.apache.org/jira/browse/MINIFICPP-2116> . And as the upstream issue mentioned, adding -include cstdint to CXXFLAGS should be a working workaround.

dom commented on 2023-05-16 03:04 (UTC)

Getting the following failure. Unsure of how to fix.

```
[ERROR] Failed to execute goal org.apache.hadoop:hadoop-maven-plugins:3.3.0:
org.apache.maven.lifecycle.LifecycleExecutionException: Failed to execute
```

[Full log here](#)

lllf commented on 2022-10-19 03:00 (UTC)

Can line 31 be changed to

```
export JAVA_HOME=/usr/lib/jvm/java-8-openjdk
```

It's currently building with java 11 which creates binaries that are incompatible with java 8. Some apache utilities that use hadoop, such as hive, do not work with java 11.

gnagnoyil commented on 2022-08-27 14:15 (UTC)

@galaxy0419 Confirmed that package can be successfully built after your update. Thanks for your work.

ttc0419 commented on 2022-08-25 07:13 (UTC)

@petronny Thanks for the log, the issue should be resolved

petronny commented on 2022-08-24 18:36 (UTC) (edited on 2022-08-24 18:37 (UTC) by petronny)

The new log with -X -e enabled can be downloaded from <https://github.com/arch4edu/cactus/actions/runs/2921411343>

Also, you can reproduce the error yourself by build with extra-x86_64-build/

ttc0419 commented on 2022-08-24 12:34 (UTC) (edited on 2022-08-24 12:35 (UTC) by ttc0419)

@petronny As the error message said, please use -X and -e options to generate a useful debug log. The log is not very helpful.

1 2 3 4 5 6 .. 8 Next › Last »

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