

Setup Apache Cassandra on Windows

#1 Setup JDK (If not already setup)

Cassandra needs JDK to run. First, you need to install JDK on the system.

Go To Oracle (SignUp required) or Filehippo to download JDK 1.8

Run the Install as it is.

Open a command prompt or PowerShell to confirm if java is successfully installed. Execute the below command.

```
java -version
```

#2 Download Apache Cassandra

- Visit - https://cassandra.apache.org/_/download.html
- Download the Previous Stable Version - Apache Cassandra 3.11

Releases

Latest GA Version

Download the latest Apache Cassandra 4.0 GA release:

Released on 2022-10-23
Maintained until 4.3.0 release (May-July 2024)

4.0.7

(pgp, sha256 and sha512)

Previous Stable Version

Download the latest Apache Cassandra 3.11 release:

Released on 2022-10-23
Maintained until 4.2.0 release (May-July 2023)

3.11.14

(pgp, sha256 and sha512)



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We suggest the following site for your download:

<https://d1cdn.apache.org/cassandra/3.11.14/apache-cassandra-3.11.14-bin.tar.gz>

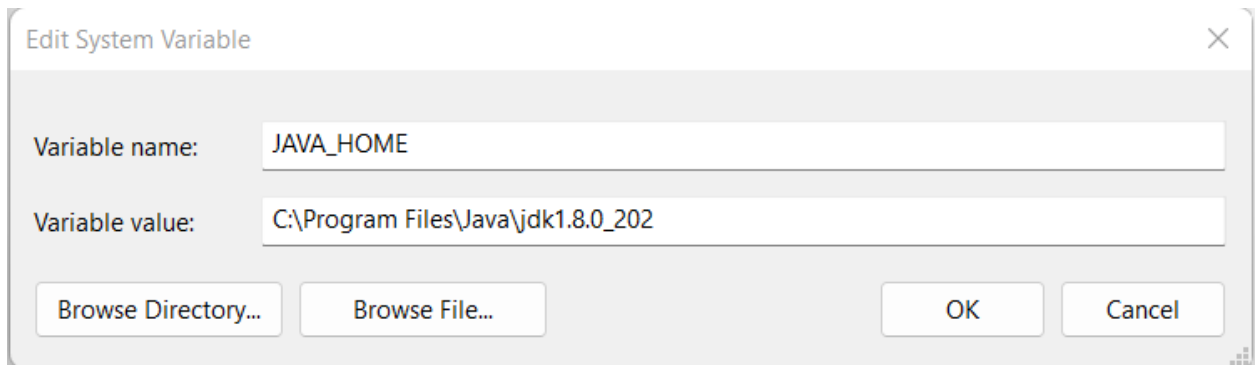
Alternate download locations are suggested below.

It is essential that you verify the integrity of the downloaded file using the PGP signature (`.asc` file) or a hash (`.md5` or `.sha*` file).

HTTP

<https://d1cdn.apache.org/cassandra/3.11.14/apache-cassandra-3.11.14-bin.tar.gz>

- Unzip it and place all files inside “C:\apache-cassandra-3.11.4”
- Make sure JAVA_HOME is set in the environment variable. Be careful to use the version installed in your system. The screenshot is just for reference.



#3 Start Cassandra

- Open a command prompt and navigate to the below location
C:\apache-cassandra-3.11.14\bin
- Execute the below command to start Cassandra server
Cassandra

#4 Install Python 2.7

Python 2.7 is required to run CQLSH the query language of Cassandra

Download and install Python 2.7 version for windows 64bit from the below location

<https://www.python.org/download/releases/2.7/>

Copy all the content of **C:\Python27** into **C:\apache-cassandra-3.11.14\bin**

#5 Open CQLSH

- Open a command prompt and navigate to the below location
C:\apache-cassandra-3.11.14\bin
- Execute the below command
cqlsh
- This will open the cqlsh prompt.