

## Downloading and Installation

Apache Kafka can be downloaded from its official site [kafka.apache.org](https://kafka.apache.org)



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## Download

2.5.0 is the latest release. The current stable version is 2.5.0.

You can verify your download by following these [procedures](#) and using these [KEYS](#).

### 2.5.0

- Released April 15, 2020
- [Release Notes](#)
- Source download: [kafka-2.5.0-src.tgz](#) (asc, sha512)
- Binary downloads:
  - Scala 2.12 - [kafka\\_2.12-2.5.0.tgz](#) (asc, sha512)
  - Scala 2.13 - [kafka\\_2.13-2.5.0.tgz](#) (asc, sha512)

We build for multiple versions of Scala. This only matters if you are using Scala and you want a version built for the same Scala version you use. Otherwise any version should work (2.12 is recommended).

Kafka 2.5.0 includes a number of significant new features. Here is a summary of some notable changes:

For the installation process, follow the steps given below:

**Step 1:** Go to the Downloads folder and select the downloaded Binary file.

**Step 2:** Extract the file and move the extracted folder to the directory where you wish to keep the files.

**Step 3:** Copy the path of the Kafka folder. Now go to *config* inside kafka folder and open *zookeeper.properties* file. Copy the path against the field *dataDir* and add */zookeeper-data* to the path.

```
13 # See the License for the specific language governing permissions
14 # limitations under the License.
15 # the directory where the snapshot is stored.
16 dataDir=c:/kafka/zookeeper-data
17 # the port at which the clients will connect
18 clientPort=2181
19 # disable the per-ip limit on the number of connections since
20 maxClientCnxns=0
```

For example if the path is *c:/kafka*

**Step 4:** Now in the same folder *config* open *server.properties* and scroll down to *log.dirs* and paste the path. To the path add */kafka-logs*

**Step 5:** This completes the configuration of zookeeper and kafka server. Now open command prompt and change the directory to the kafka folder. First start zookeeper using the command given below:

```
.\bin\windows\zookeeper-server-start.bat  
.\config\zookeeper.properties
```

```
C:\kafka>.\bin\windows\zookeeper-server-start.bat .\config\zookeeper.properties  
[2020-06-09 00:17:04,344] INFO Reading configuration from: .\config\zookeeper.properties (org.apache.zookeeper.server.quorum.QuorumPeerConfig)  
[2020-06-09 00:17:04,352] INFO autopurge.snapRetainCount set to 3 (org.apache.zookeeper.server.DataDirCleanupManager)  
[2020-06-09 00:17:04,353] INFO autopurge.purgeInterval set to 0 (org.apache.zookeeper.server.DataDirCleanupManager)  
[2020-06-09 00:17:04,355] INFO Purge task is not scheduled. (org.apache.zookeeper.server.DataDirCleanupManager)  
[2020-06-09 00:17:04,356] WARN Either no config or no quorum defined in config, running in standalone mode (org.apache.zookeeper.server.quorum.QuorumPeerMain)  
[2020-06-09 00:17:04,381] INFO Reading configuration from: .\config\zookeeper.properties (org.apache.zookeeper.server.quorum.QuorumPeerConfig)  
[2020-06-09 00:17:04,383] INFO Starting server (org.apache.zookeeper.server.ZooKeeperServerMain)
```

**Step 6:** Now open another command prompt and change the directory to the kafka folder. Run kafka server using the command:

```
.\bin\windows\kafka-server-start.bat .\config\server.properties
```

```
C:\kafka>.\bin\windows\kafka-server-start.bat .\config\server.properties  
[2020-06-09 00:30:10,103] INFO Registered kafka:type=kafka.Log4jController MBean (kafka.utils.Log4jController)  
[2020-06-09 00:30:10,985] INFO starting (kafka.server.KafkaServer)  
[2020-06-09 00:30:10,991] INFO Connecting to zookeeper on localhost:2181 (kafka.server.KafkaServer)  
[2020-06-09 00:30:11,016] INFO [ZooKeeperClient] Initializing a new session to localhost:2181. (kafka.ZooKeeperClient)
```

Now kafka is running and ready to stream data.

Source: <https://www.geeksforgeeks.org/how-to-install-and-run-apache-kafka-on-windows/>