

# Installing TWCloud using the zip file on Windows

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This section explains how to install Teamwork Cloud (TWCloud) on a single server by using zip files and setting up its configuration file to allow access to the authentication server.

## Installing TWCloud on Windows by unzipping the file

To install TWCloud on Windows by unzipping the file

1. Verify that '**java -version**' is the active version of Java (Oracle JDK 1.8.0\_202).
2. Unzip the contents of the TeamworkCloudSuite directory to the installation directory (for example, *C:\Program Files\TeamworkCloud*).
3. Open the server configuration file *C:\Program Files\TeamworkCloud\configuration\application.conf* and edit the following lines (the hostname and seed-nodes) to use the node's own IP address.  
You must also set the IP address of the Cassandra node in the seeds section. If your Cassandra instance is on the same server, then use the node's own IP address.

```
hostname = "10.1.1.123"
```

```
### Configuration for the Netty based transport drivers
artery.canonical {
    # The hostname or ip clients should connect to.
    # If it is not set, it will be set automatically to the IP that can connect to the seed
node.
    hostname = "10.1.1.123"

    # The default remote server port clients should connect to.
    # Default is 2552 (AKKA). Use 0 if you want a random available port.
    # This port needs to be unique for each actor system on the same machine.
    port = 2552
}
```

```
seed-nodes = ["akka://twcloud@10.1.1.123:2552"]
```

```
cluster {
    # Initial contact points of the cluster.
    # The nodes to join automatically at startup.
    # The comma separating full URIs defined by a String in the form of
    # "akka://system@hostname:port"
    # Can be set by system property.
    # e.g. ["akka://twcloud@10.1.1.123:2552","akka://twcloud@10.1.1.124:2552"]
    # The default value depends on the operation mode. In cluster mode, the seed node is
mandatory in all nodes.
    # In single server mode, the seed node configuration is optional. It is set to 127.0.0.1
by default at runtime.
    seed-nodes = ["akka://twcloud@10.1.1.123:2552"]
}
```

```
seeds = ["10.1.1.123"]
```

```

persistence {
    cassandra {
        keyspace {
            replication-factor = 1
        }

        # Enable this section to enable the cassandra authentication.
        authentication-enabled = false
        authentication {
            username = cassandra
            password = cassandra
        }

        connection
        {
            cluster-name = "Test Cluster"
            # List of comma delimited host.
            # Setting the value as localhost will be resolved from InetAddress.
            getLocalHost().getHostAddress()
            # Ex. seeds = ["10.1.1.123", "10.1.1.124", "10.1.1.125"]
            seeds = ["10.1.1.123"]
        }
    }
}

```

4. Update the AuthServer configuration: `<AuthServer install root>\config\authserver.properties` by specifying the IP address instead of `<serverIP>`:

```

server.public.host=<serverIP>
authentication.redirect.uri.whitelist=https://<serverIP>:8443/webapp/
twc.server.host=<serverIP>
cassandra.contactPoints=<serverIP>

```

5. Update the configuration file: `C:\Program Files\TeamworkCloud\WebAppPlatform\shared\conf\webappplatform.properties` - the configuration file for TWCloud Admin Console
  - **twc.admin.username** - Set it to the username of a local account with Administrator privileges (default is Administrator)
  - **twc.admin.password** - Set it to the password corresponding to the Administrator user (default is Administrator).
  - If you changed the **pswd** field in `C:\Program Files\TeamworkCloud\configuration\application.conf` from the default, you must modify this file accordingly. Search for **authentication.client.secret** and replace the **CHANGE\_ME** value with the same value as that in **application.conf**.
6. Generate default keypair and certificate by running the following command from the command prompt. If your TeamworkCloudSuite is under a folder that requires Administrative permission, for example, `C:\Program Files`, make sure that you start the command prompt using **"Run as administrator"**.

```


C:\> cd C:\TeamworkCloudSuite\scripts\windows
C:\> genkey

```

 If the server is accessed via FQDN or public IP address, then the `authentication.redirect.url` must also contain entries for them, accordingly, in the format:

```
authentication.redirect.uri.whitelist=https://<serverIP>:8443/webapp/,https://<PublicIP>:8443/webapp/,https://
```

There are additional steps to run TWCloud as a service on Windows. Before proceeding, make sure the server's log configuration points to the file location that is writable. You can find the log config in the file `C:\TeamworkCloudSuite\configuration\logback.xml`.

 You need to check if the file location path is editable.

## Running TWCloud on Windows

To run TWCloud on Windows

1. Set the necessary environment variables in the shell that will execute the service installation script where:
  - **TW\_CLOUD\_HOME** is the path that points to the directory where TWCloud was installed.
  - **JAVA\_HOME** is a directory containing a Java JDK or JRE.

For example:

```
C:\> set TWCLoud_HOME=C:\Program Files\TeamworkCloud
C:\> set JAVA_HOME=C:\Program Files\Java\jdk-11.0.12+7
```



Alternatively, set the environment variables by adding them through the **Environment Variables** dialog (click **Control Panel > System > Advanced > Environment Variables > New**).

2. Run the Teamwork Cloud service installation script, for example:

```
C:\Program Files\TeamworkCloud\scripts\windows>installService.bat
```

3. Run the Authserver service installation script, for example:

```
C:\Program Files\TeamworkCloud\AuthServer\bin\registerWindowsService.bat
```

4. Run the Webapp service installation script

- The Webapp service requires its bundled Java (JAVA 11). Therefore, prior to executing the service install script, we must set **JRE\_HOME** and **CATALINA\_HOME\_WEBAPP** to point to it.

```
C:\> set JRE_HOME=C:\Program Files\TeamworkCloud\WebAppPlatform\jre
C:\> set CATALINA_HOME_WEBAPP=C:\Program Files\TeamworkCloud\WebAppPlatform
C:\Program Files\TeamworkCloud\WebAppPlatform\bin>service.bat install
```

5. Set service dependencies

```
C:\> sc config webapp depend= teamworkcloud
C:\> sc config authserver depend= teamworkcloud
```



- The scripts should be executed from an elevated command prompt (**Run as Administrator**).
- On Windows, the values of the environment variables are evaluated only once, when the service is installed. Subsequent changes to these variables will not affect service startup. Therefore, if the values are modified and the service must use the new values, the service must be re-installed.

## Uninstalling TWCloud on Windows

To uninstall TWCloud:

- Run the service uninstallation scripts:

```
C:\Program Files\TeamworkCloud\scripts\windows>uninstallService.bat
C:\Program Files\TeamworkCloud\AuthServer\bin>unregisterWindowsService.bat
C:\Program Files\TeamworkCloud\WebAppPlatform\bin>service.bat uninstall
```

### What's next?

[Configure TWCloud Admin](#)

[Starting TWCloud on Windows](#)