Authentication server deployment on Windows and Linux

On this page:

The authentication server is part of Teamwork Cloud (TWCloud). You can deploy the authentication server onto your computer using the following instructions for Windows and Linux users.

Authentication server deployment on Windows

To deploy an authentication server using the zip file

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1. In the command prompt dialog, verify "**java –version**" is the active Java version, which is Oracle JDK 1.8.0_202.
2. Go to the directory where TWCloud is unzipped and select the *AuthServer* directory.
3. Update the file <*TWCloud directory*>*/AuthServer/config/authserver.properties* as follows:
    a. **server.public.host -** Enter the IP address of the authentication server in place of **${server.ip}**. If TWCloud is installed behind a proxy or firewall with NAT, use a public IP address. If you are accessing the server via an FQDN, use it instead of the IP address.
    b. **twc.server.host** - Enter the IP address of the server where TWCloud is installed in place of **${twc.server.ip}**.
    c. **twc.server.port** - Specify the port of TWCloud REST API (the default is **8111**).
    d. **twc.server.protocol** - Specify the protocol of TWCloud REST API (the default is **https**).
    e. **authentication.redirect.uri.whitelist -** Update the whitelist of redirect URI. Also, change the TWCloud swager's redirect URI (the initial is *https://${twc.server.ip}:8111/*) by setting the TWCloud IP address or FQDN instead of ${twc.server.ip}. Change the Web App Platform redirect URI (the initial is *https://${webapp.server.ip}:8443/webapp/*) by setting the Web App Platform IP address or FQDN (if you are accessing the server by FQDN) instead of **${webapp.server.ip}** (and change the port/protocol if they were changed).
    f. **cassandra.contactPoints** and **cassandra.port** - Update the Cassandra host(s) if the database is installed on a different machine(s) and the Cassandra port if the custom port is configured in the database for CQL clients listening.
4. Save the **authserver.properties** file.
5. Make sure that the log configuration points to the file location that is writable. You can find the log config in the file <*TWCloud directory*> */AuthServer/config/logback-spring.xml.*
6. Open the command prompt to <*TWCloud directory*>*/AuthServer* and run the file **registerWindowsService.bat**.
7. Open the Windows Services panel or Task Manager's **Services** tab.
8. Locate **Authentication Server** in the Windows Services panel (or **AuthServer** in Task Manager) and start it.

To deploy an authentication server using the installer

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1. Make sure that the log configuration points to the file location that is writable. You can find the log config in the file <*TWCloud directory*> */AuthServer/config/logback-spring.xml.*
2. By default, the Authentication Server will be started on the IP address specified during the installation process. If you want to access it through the public IP or FQDN, open the file <*TWCloud directory*>*/AuthServer/config/authserver.properties* and enter the public IP address or FQDN into the property **server.public.host.**
3. Open the Windows Services panel or Task Manager's **Services** tab.
4. Locate **Authentication Server** in the Windows Services panel (or **AuthServer** in Task Manager) and start it.

To undeploy an authentication server

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1. Open the Windows Services panel or Task Manager's **Services** tab.
2. Locate **Authentication Server** in the Windows Services panel (or **AuthServer** in Task Manager) service and stop it.
3. Open the command prompt to <*TWCloud directory*>*/AuthServer* and run the file **unregisterWindowsService.bat**.

Authentication server deployment on Linux

To deploy an authentication server using the zip file

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1. Go to the directory, where TWCloud is unzipped, and select the *AuthServer* directory.
2. Update the file <*TWCloud directory*>*/AuthServer/config/authserver.properties* as follows.
    a. **server.public.host** - Enter the IP address of the authentication server in place of **${server.ip}**. If TWCloud is installed behind a proxy or firewall with NAT, use a public IP address. If you are accessing the server via FQDN, use it instead of the IP address.
    b. **twc.server.host** - Enter the IP address of the server where TWCloud is installed in place of **${twc.server.ip}.**
    c. **twc.server.port** - Specify the port of TWCloud REST API (the default is **8111**).
    d. **twc.server.protocol** - Specify the protocol of TWCloud REST API (the default is **https**).

e. **authentication.redirect.uri.whitelist -** Update the whitelist of redirect URI. Also, change the TWCloud swager's redirect URI (the initial is *https://${twc.server.ip}:8111/*) by setting the TWCloud IP address or FQDN instead of **${twc.server.ip}**. Change the Web App Platform redirect URI (the initial is *https://${webapp.server.ip}:8443/webapp/*) by setting the Web App Platform IP address or FQDN (if you are accessing the server by FQDN) instead of *${webapp.server.ip}* (and change the port/protocol if they were changed).
f. **cassandra.contactPoints** and **cassandra.port** - Update the Cassandra host(s) if the database is installed on a different machine(s) and the Cassandra port if the custom port is configured in the database for CQL clients listening.

3. Save the file **authserver.properties**.
4. Make sure that the log configuration points to the file location that is writable. You can find the log config in the file *<TWCloud directory> /AuthServer/config/logback-spring.xml.*
5. Copy the file *<TWCloud directory>/AuthServer/script/authserver.service* to the following directory */etc/systemd/system*: ***sudo cp <TWCloud directory>/AuthServer/script/authserver.service /etc/systemd/system***.
6. To make the service start/stop with system startup/shutdown, use the following command: ***sudo chkconfig authserver on.***
7. Start the authentication server: ***sudo systemctl start authserver.***

To deploy an authentication server using the installer

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1. Make sure that the log configuration points to the file location that is writable. You can find the log config in the file *<TWCloud directory> /AuthServer/config/logback-spring.xml.*
2. Start the authentication server: ***sudo systemctl start authserver.***
3. Start the authentication server: ***sudo service authserver start.***

To undeploy an authentication server

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1. Type ***sudo systemctl stop authserver*** to stop the authentication server.
2. Remove the service from chkconfig management with this command: ***sudo chkconfig authserver off***.
3. Remove the file by typing: ***sudo rm /etc/systemd/system/authserver.service.***
4. Remove the directory _ <TWCloud directory>/AuthServer._

Related pages

- Data source parameters
- General parameters
- TWCloud server parameters