

# 2019 3. Start and Stop

You can start and stop the Synap Document Viewer Server Edition in the following procedures.

## Operate database

Start the database. You need to execute in the `$(INSTALL_DIR)/hsq1` directory. A Linux system based example is provided below.

You can access and check the database properly. Using the `\q` command disconnect the database console.

### Startup database

```
#> cd ${INSTALL_DIR}/hsq1
#> ./hsq1_db_startup.sh
#> ./hsq1_db_tool.sh
SqlTool v. 5337.
JDBC Connection established to a HSQL Database Engine v. 2.3.2 database
as "docs" with R/W TRANSACTION_READ_COMMITTED Isolation.

... Skipped ...

After turning on variable expansion with command "*" (or any other PL
command), PL variables may be used in most commands like so:  *{PLVARIABLE}.
Be aware when using regular expressions on commands, that the regex.s
operate only on the command text after the * or \ prefix, if any.
sql>
sql> \q # Using the '\q' command disconnect the database console.
```

## Change database port

Database uses the 9001 port. You can change the port by modifying the `$(INSTALL_DIR)/hsq1/server.properties` file.

You can change the port number by adding `server.port` settings value.

### server.properties

```
server.database.0=file:data/convserv
server.dbname.0=convserv
server.port=${PORT_NUMBER}
```

**When you change database port, you must modify the JDBC connection information on `$(INSTALL_DIR)/config-properties.xml`.**

**If you modify `config-properties.xml`, you need to stop the server and perform modification. Otherwise, the server does not work properly.**

### config-properties.xml

```
... Skipped ...
<entry
key="jdbc.dbUrl">jdbc:hsqldb:hsq1://localhost:${PORT_NUMBER}/convserv</ent
ry>
... Skipped ...
```

## Start and stop tomcat

You can start the Synap Document Viewer Server Edition using tomcat.WAS. The default port for the server is 8080.

### Tomcat Start / Shutdown

```
#> cd ${INSTALL_DIR}/tomcat/bin

#> ./startup.sh
Using CATALINA_BASE:   ${INSTALL_DIR}/SynapDocViewServer/tomcat
Using CATALINA_HOME:   ${INSTALL_DIR}/SynapDocViewServer/tomcat
Using CATALINA_TMPDIR: ${INSTALL_DIR}/SynapDocViewServer/tomcat/temp
Using JRE_HOME:        /usr
Using CLASSPATH:
${INSTALL_DIR}/SynapDocViewServer/tomcat/bin/bootstrap.jar:${INSTALL_DIR}/
SynapDocViewServer/tomcat/bin/tomcat-juli.jar
Tomcat started.

#> ./shutdown.sh
Using CATALINA_BASE:   ${INSTALL_DIR}/SynapDocViewServer/tomcat
Using CATALINA_HOME:   ${INSTALL_DIR}/SynapDocViewServer/tomcat
Using CATALINA_TMPDIR: ${INSTALL_DIR}/SynapDocViewServer/tomcat/temp
Using JRE_HOME:        /usr
Using CLASSPATH:
${INSTALL_DIR}/SynapDocViewServer/tomcat/bin/bootstrap.jar:${INSTALL_DIR}/
SynapDocViewServer/tomcat/bin/tomcat-juli.jar
Tomcat stopped.
```

## Administrator's access to UI and conversion module check

You can access to the administrator site and perform check on whether the module operates properly. For more information about how to check the module operation, please refer to "Administrator manual".

The URL to access at the initial settings is <http://localhost:8080/SynapDocViewServer/admin>.



Synap **Document Viewer** | Admin

User	<input type="text" value="admin"/>	<input type="button" value="Log in"/>
Password	<input type="password"/>	