

Installation guide

2c8 Server

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Overview

2c8 Server functionality allows users with 2c8 Modeling Tool or 2c8 Lite to work simultaneously with a number of repositories and have access to the same set of models.

The installation consists of two parts:

- An application server called Payara. Payara has a web based administration tool called Admin Console (default port 4848).
- The 2c8 Server component that is deployed in the application server. 2c8 Server component communicates with the users installed clients over HTTP or HTTPS (default port 8080).

No other software are needed than the 2c8 Server installer. After the installation of the MSI package a shortcut is available in the Start Menu called "2c8 Server Setup", which will guide you through the configuration process.

Before the installation

2c8 Server requires Windows Server 2008 or later, and Microsoft SQL Server 2005 or later. This installation guide currently only supports Microsofts SQL Server, for details on how to use MySQL please contact support@2c8.com.

The following steps needs to be performed before the installation begins:

- Create a database.
- Create a user (SQL user, mixed mode) that is DBO on the database. Configure the user so that the password does not expire.
- Enable TCP/IP protocol in SQL Server.
- Enable the selected port in the firewall. The clients will connect to the server via HTTP (default port 8080).

2c8 Server Setup

After the MSI package has been installed on the server start "2c8 Server Setup" from the Start Menu.

3.1 Database configuration

Server	Host name of the Microsoft SQL Server.
Port	Port of the Microsoft SQL Server.
Instance	Instance name, or blank if default.
Database	Name of the existing database.
User	Database user's username.
Password	Database user's password

3.2 Database setup

This step will try to connect to the database to verify that the connection details are correct, and if the database is empty it will populate the database.

3.3 Application server configuration

Administrator user	This is the Payara administrator user, which is used to log in to the Admin Console. Please note this as it will be needed in the future when a new version of the 2c8 Server component is released.
Console port	This is the port that Payara's Admin Console will listen to.
Modeling Tool HTTP Port	This is the port that the 2c8 Modeling Tool clients will connect to if using HTTP.

Modeling Tool HTTPS Port	This is the port that the 2c8 Modeling Tool clients will connect to if using HTTPS.
Create windows service	If selected a Windows service called "2c8 Payara Server" will be created that starts Payara automatically.
Use SSL Certificate	The SSL certificate to use for HTTPS. The file format should be PKCS12 and end in either .pfx or .p12 and contain one and only one alias. The password for the file must be the same as the password for the private key. Note that the password given for the certificate file will be used as the password for the keystore so it will be required at a later time when certificate needs to be updated.

3.4 Application server configuration

A Payara domain is now created with the settings specified in previous steps. If a Windows service is selected it will also be created. This step may take some time to complete.

3.5 Validate database update

This step is only enabled if the database needed to be updated.

3.6 Test connection

This step acts as the client software and tries to connect to the 2c8 Server to verify that it works as intended. The user and password are that of a client user. When a new database is created the default username is "admin" and the password is "2c8". If the database was updated this may have been changed.

3.7 End user documentation

The setup is now complete. We will now create getting documentation and customized MSI packages for the clients. For this we need to know the server hostname, port and 2c8 Server version. Please email this to support@2c8.com.

It is useful for us to know the details of the installation so that we give the customer the best support we can. For this reason you may also include the extra setup information.

Changing the service account

If the service is installed it is called "2c8 Payara Server" (id "2c8") and run as the local system account. If the service should log in as another account you need to change the account and ownership of the domain directory. First stop the service and then to change the service:

- Open the Services Manager as administrator (services.msc).
- Right click on the service "2c8 Payara Server" and choose Properties.
- In the tab Log On change the account.

The account that runs the service also needs to have write access to some of the files in the installation:

- Right click on the `payara5\glassfish\domains\2c8` directory in the install directory (default `C:\Program Files\2conciliate\2c8 Server\payara5\glassfish\domains\2c8`) and select properties.
- Open the Security tab.
- Click the Advanced button.
- Click Change to the right of Owner.
- Select the service account and click OK.
- Select the checkbox "Replace owner on subcontainers and objects" and click OK.

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Backup

All user data is stored in the database, so only a normal database backup is required.

Uninstalling

- Stop the service "2c8 Payara Server" ("domain1 Payara Server" in older installations).
- Uninstall the 2c8 Server program.
- Remove the service by running a command prompt as administrator: "sc delete 2c8" (or "sc delete domain1" in older installations)
- Remove any old files in the installation directory (default C:\Program Files\2conciliate\2c8 Server).

Upgrading an existing server

Log in to the Admin Console (<http://localhost:4848>) and check the version by clicking About. If application server is called Glassfish or Payara with a lower version than 5 it needs to be uninstalled. See chapter "Uninstalling". A new installation can then be performed.

If the Payara version is 5 or later:

- Log in to the Admin Console by going to <http://localhost:4848/>
- Open Applications
- Select the existing application
- Click the Undeploy button
- Click the Deploy button
- Click Browse... and select the supplied EAR file.
- Click OK
- Go to <http://localhost:8080/MTServer-WEB/> or <http://localhost/MTServer-WEB/> and validate that the database update was successful.