



## Migrating GoPrint to a new Server using MS SQL Server

Version: MS SQL Server 2005 -2008 -2014 -2016

This example assumes you're moving your GoPrint installation to a new server but continuing to use the same Db residing on a campus wide MS SQL Server.

Before moving the GoPrint system you must open the GoPrint Node and note your current database settings

<https://localhost:7767>

You must note the following fields because you will need to plug the same exact settings into at the new server.

JDBC driver: will change to MS SQL Server using 4.1.19 to 4.2.2 and higher  
Server name  
Database name  
MS SQL User name and Password!

<b>Configure Database</b>	Edit Configuration	Services	TLS Certificate
---------------------------	--------------------	----------	-----------------

The application server is currently configured to connect to the database s

**JDBC Driver**  1.

**Microsoft**

**Server**  2.

**Database Name**  3.


**Schema Name**

**User ID**  4.

**Password**  5.

Password is set. Enter a password to reset it.  
Enter a space to reset to a blank password.

6.

Database 



## Connecting to an existing Microsoft SQL Server Database

### GoPrint Version 4.2.2

When upgrading from 4.1.19 or performing a fresh install of 4.2.2 or higher you must manually download and apply the latest sqjdbc41.jar file

Use Server Setup to connect to an existing MS SQL Server database.

<https://localhost:7767>

### **Warning Message**

#### Configure Database

Configure Database Edit Configuration Services TLS Certificate Security Updates

The application server is currently configured to connect to the database specified below.

JDBC Driver

**Microsoft**

Server

Database Name

Schema Name

User ID

Password

Password is set. Enter a password to reset it.  
Enter a space to reset to a blank password.

**Failed to locate JDBC driver com.microsoft.sqlserver.jdbc.SQLServerDriver.  
Please add database vendor JAR file(s) to this server's D:\GS4\lib and restart the GS-4 service.**  
Error: java.lang.ClassNotFoundException: com.microsoft.sqlserver.jdbc.SQLServerDriver

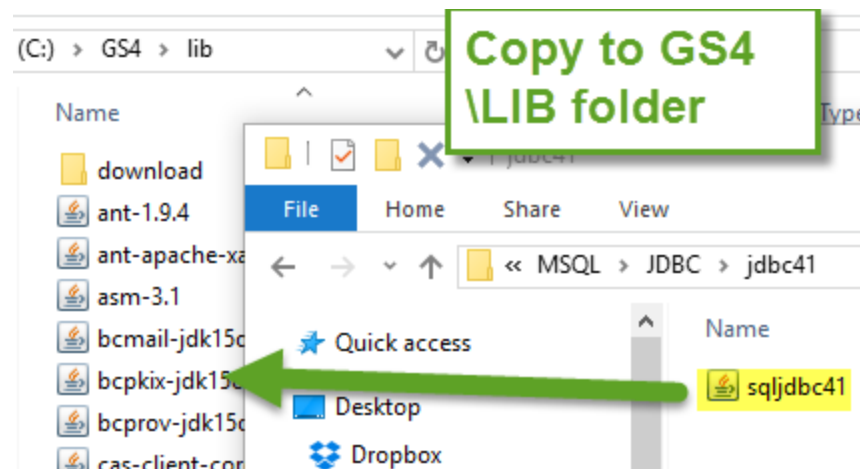


## APPLY THE MSSQL JDBC41.jar file

**Important; Prior to attempting to connect to the db with GoPrint version 4.2.2 the MS SQL Server SQL JDBC jar file MUST be download and placed in the GS4\lib folder and the GS4 Services restarted.**

JDBC driver can be downloaded here: <http://www.gprintsupport.com/jdbc41.zip>

1. Move the sqljdbc.jar file to the GS4\lib directory
2. Restart the GS4 Services under MS Services



## Navigate back to the GoPrint Node

1. Server setup from desktop short-cut or
2. <https://localhost:7767>



After Upgrading you may see the JDBC MS SQL Server driver has changed to JDBC HyperSQL.

Change to the MS SQL Server Driver and plug in the remaining fields as the appeared in the Node from the older GoPrint Node Settings.

Configure Database

Configure Database Edit Configuration Services TLS

The application server is currently configured to connect to the database.

JDBC Driver

**HyperSQL**

Server

Database Name

User ID

Password

Password is set. Enter a password to reset it.  
Enter a space to reset to a blank password.

JDBC Driver class org.hsqldb.jdbcDriver was located.  
Database configuration has been saved.

**Click Test Connection to verify this configuration.**  
**Use the Services link above to restart the GTX service.**

**Driver Notes:**

HSQLDB is designed for running out-of-the-box with minimal data.  
**DO NOT USE HSQLDB FOR PRODUCTION SYSTEMS!!**

Limit the Server parameter to use current working directory (C:\C



## Connect to the Database

1. Select the JDBC:Microsoft SQL Server JDBC Driver
2. Enter the MS SQL Server servername
3. Enter the database name
4. Enter the SQL Server User ID
5. Password
6. Press Test Connection

**Configure Database** Edit Configuration Services TLS Certificate

The application server is currently configured to connect to the database s

**JDBC Driver**  1.

**Microsoft**

**Server**  2.

**Database Name**  3.

**Schema Name**

**User ID**  4.

**Password**  5.

Password is set. Enter a password to reset it.  
Enter a space to reset to a blank password.

6.

If successful, a **Connection successfully made!** message appears

Enter a space to reset to a blank password.

JDBC Driver class com.microsoft.sqlserver.jdbc.SQLServerDriver was located.  
Database configuration has been saved.

**Connection successfully made!**



## Start the GTX Service

1. Select Services tab
2. Click to Start GTX

Wait 30 seconds for the page to refresh

Service Control

Configure Database Edit Configuration **Services**

Services on testserver @ 192.168.233.1

Online Services

Agent	Stop
-------	------

Offline Services

GTX	Start
-----	-------

Wait 40 to 60 seconds for the the database tables to be population and the services should come up.

Service Control

Configure Database Edit Configuration **Services** TLS Certificate Security Update

Services on testserver @ 192.168.233.1

Online Services

Agent	Stop	
GTX	Stop	GoPrint Web Client TLS GoPrint Control Center GoPrint Control Center TLS

Enter Control Center



If the GTX fails to start with an error could not start GTX Null, then restart the GS4 Services from MS Services

### Service GTX failed to start: null

**This happens when the database connection previously existed and a change was made. To resolve, restart the GS4 Services from MS Services**

#### Offline Services

GTX	Start	Service GTX failed to start: null
-----	-------	-----------------------------------

## Troubleshooting

ERROR Generated when the instance isn't provided

JDBC Driver: JDBC:Microsoft SQL Server

Microsoft

Server: nyccss

Database Name: goprint

Schema Name:

User ID: sa

Password:

Apply Create Database Test Connection

JDBC Driver class com.microsoft.sqlserver.jdbc.SQLServerDriver was located.  
Database configuration has been saved.

**Database server is not accessible. Failed to connect to default database at: jdbc:sqlserver://nyccss;databaseName=master**  
Check the Server, User ID, and Password settings.  
Make sure the database server is online and accessible from this node.  
Error: com.goprint.exception.DataAccessException: Failed to connect to data source at jdbc:sqlserver://nyccss;databaseName=master







## INSERT and UPDATE permission

SQL user requires INSERT and UPDATE permissions



## Service GTX failed to start: null

This happens when the database connection previously existed and a change was made. To resolve, restart the GS4 Services from MS Services

Offline Services		
GTX	Start	Service GTX failed to start: null



## Connection fails

1. Ensure the MS SQL server's hostname is resolvable from the GoPrint server.
2. If login failure, check the sa password. If the sa account isn't being used, check to ensure the assigned SQL DBO account has been created and granted Rights to manage the GoPrint database.
3. If another port other than the default MS SQL port (1433) is used, then the port and Instance must be entered under the Node server path.

### Example:

Servername;databaseName=goprintgs5;instanceName=GoPrint;<port>

4. A Firewall is blocking the MS SQL port either under the Windows Firewall or over the network or the port is in use by another application.

How do I open the firewall port for SQL Server on Windows Server 2008?

<http://support.microsoft.com/kb/968872>