

Centre Name: ACE-HCMC-2-FPT.

Address: 590 Cach Mang Thang 8, District 3, Ho Chi Minh City, Viet Nam.

## HTD PC Shop

# Installation Guide

Supervisor: *TRAN DUC QUANG*

Semester: *04*

Batch No: *T1.1804.M1*

Group No: *03*

Order:	Full name	Roll No.
1.	<i>Nguyen Phan Hai Thien</i>	<i>Student1103012</i>
2.	<i>Vo Duc Dung</i>	<i>Student1106037</i>
3.	<i>Nguyen Phuoc Viet Hai</i>	<i>Student1102742</i>

**Month: 2 Year: 2020**

# I - System Requirement Specification

## 1. Server

### Hardware

<b>Processor</b>	Intel Core i3 or higher.
<b>Memory</b>	8 GB RAM or greater.
<b>Modem/ADSL</b>	Connection to internet 24/7

### Software

<b>Operation System</b>	Windows 7 or higher
<b>Browser</b>	Chrome version 35 or later / Microsoft Edge.
<b>Database</b>	Microsoft SQL Server 2017
<b>Software</b>	Netsbean 8.2 or higher
	Microsoft SQL Server Management Studio 17 or higher
	Java JDK 1.8 or higher
	Glassfish 4.0 (should be this version, not higher or lower to prevent any unwanted bug.)

## 2. Client

### Hardware

<b>Processor</b>	Intel Core i3 or higher.
<b>Memory</b>	4 GB RAM or greater.
<b>Monitor</b>	1024x768 or higher resolution device
<b>Internet</b>	Connection to internet


### Software

<b>Operation System</b>	Windows 7 or higher
<b>Browser</b>	Chrome version 35 or later / Microsoft Edge.

## II – Installation and configuration

1. Microsoft SQL Server and SSMS (Microsoft SQL Server Management Studio)
2. Step 1: Download Microsoft SQL Server installer from <https://www.microsoft.com/en-us/sql-server/sql-server-downloads>. Click the download button for version **Developer** or **Express**


Or, download a free specialized edition



**Developer**

SQL Server 2019 Developer is a full-featured free edition, licensed for use as a development and test database in a non-production environment.

[Download now ↓](#)



**Express**

SQL Server 2019 Express is a free edition of SQL Server, ideal for development and production for desktop, web, and small server applications.

[Download now ↓](#)

3. Step 2: Open the installer, click **Basic**

SQL Server 2019

Developer Edition

Select an installation type:

**Basic**

Select Basic installation type to install the SQL Server Database Engine feature with default configuration.

**Custom**

Select Custom installation type to step through the SQL Server installation wizard and choose what you want to install. This installation type is detailed and takes longer than running the Basic install.

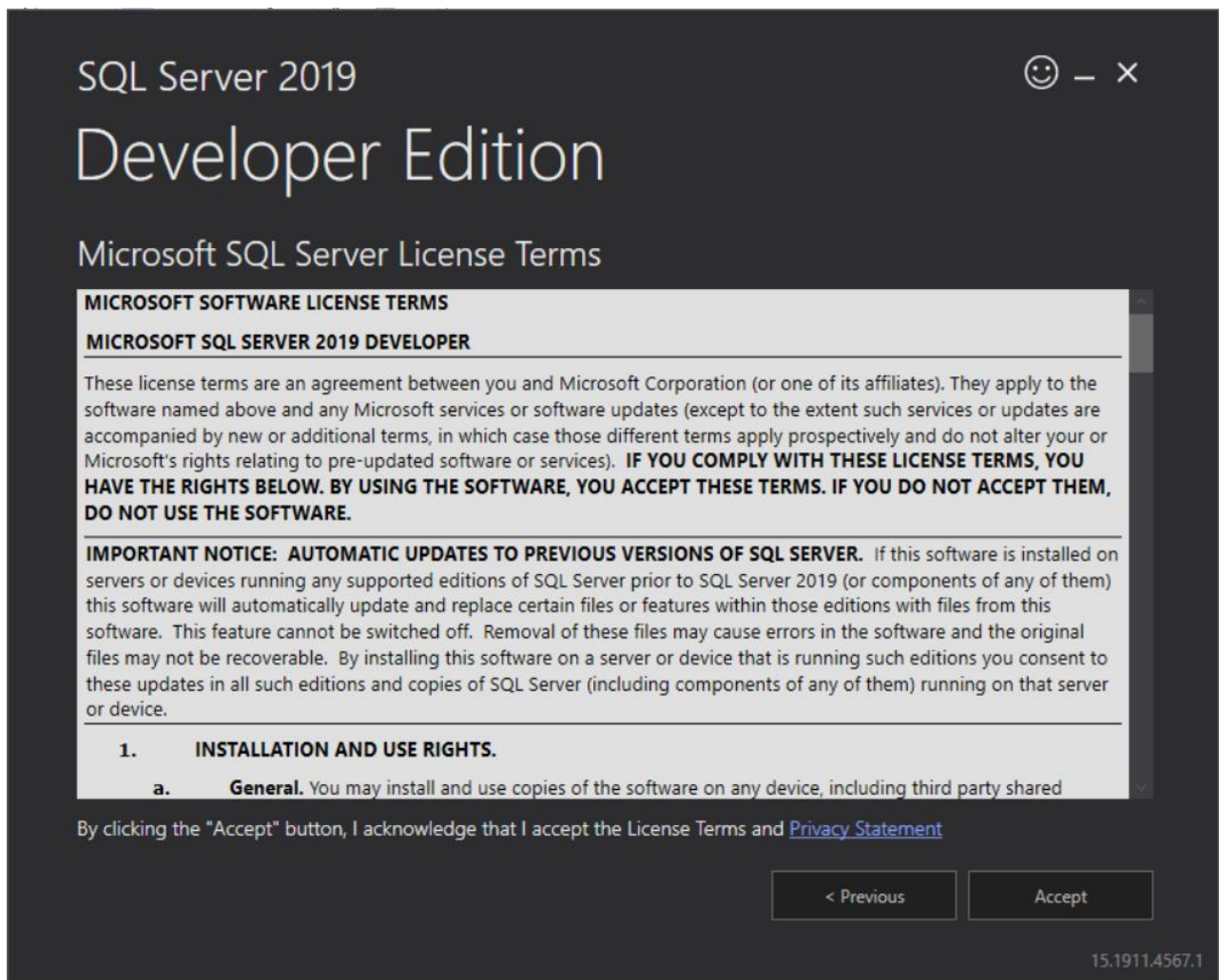
**Download Media**

Download SQL Server setup files now and install them later on a machine of your choice.

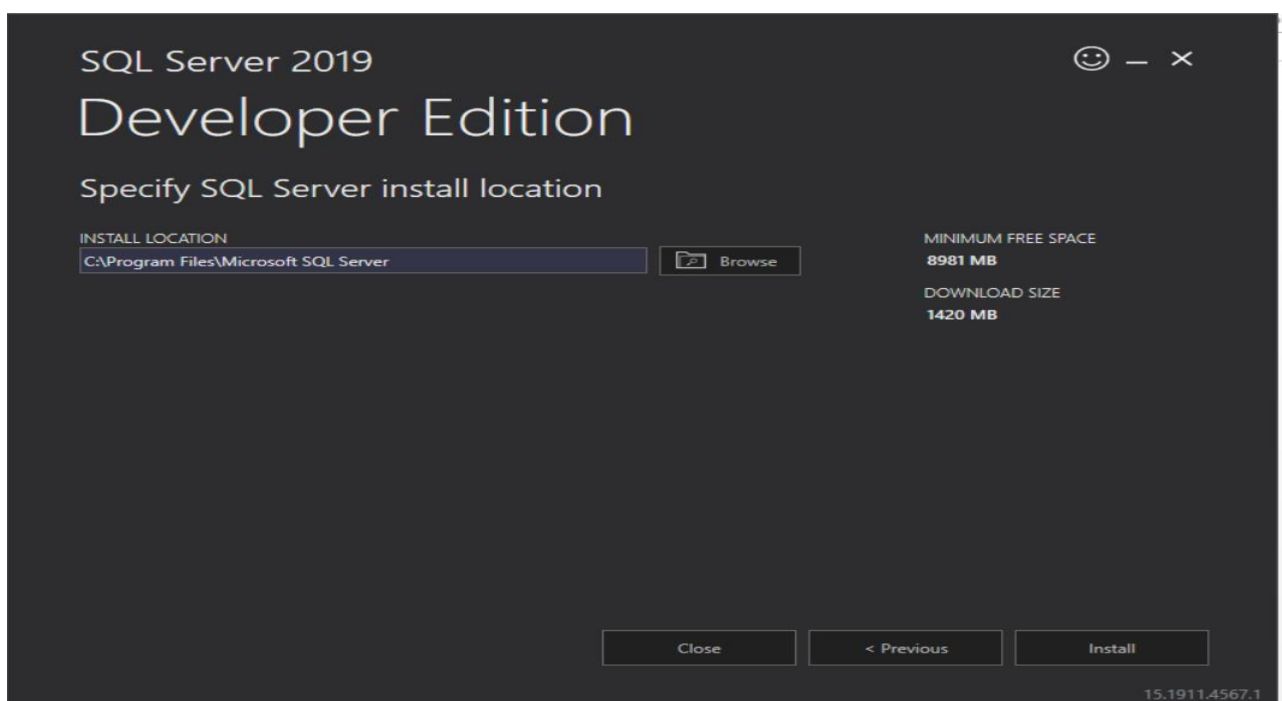
SQL Server transmits information about your installation experience, as well as other usage and performance data, to Microsoft to help improve the product. To learn more about data processing and privacy controls, and to turn off the collection of this information after installation, see the [documentation](#)

15.1911.4567.1

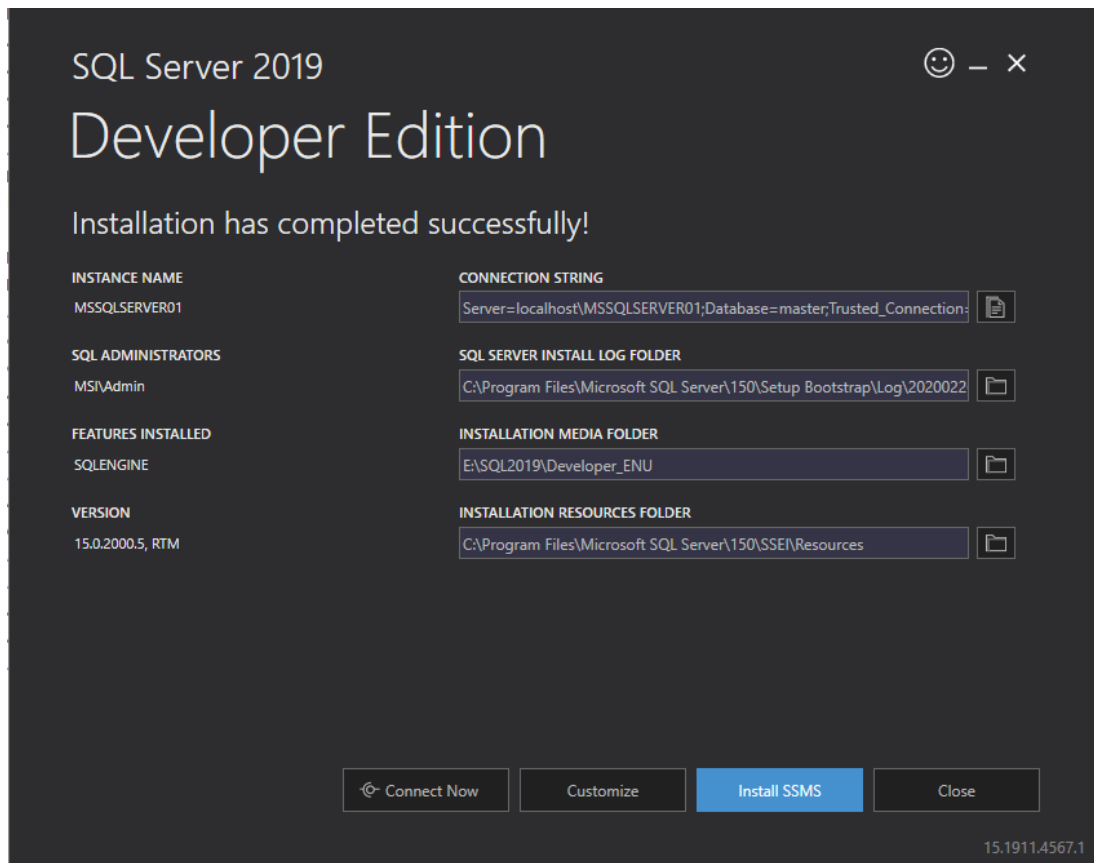
#### 4. Step 3: Click **Accept**



#### 5. Step 4: Click **Install**



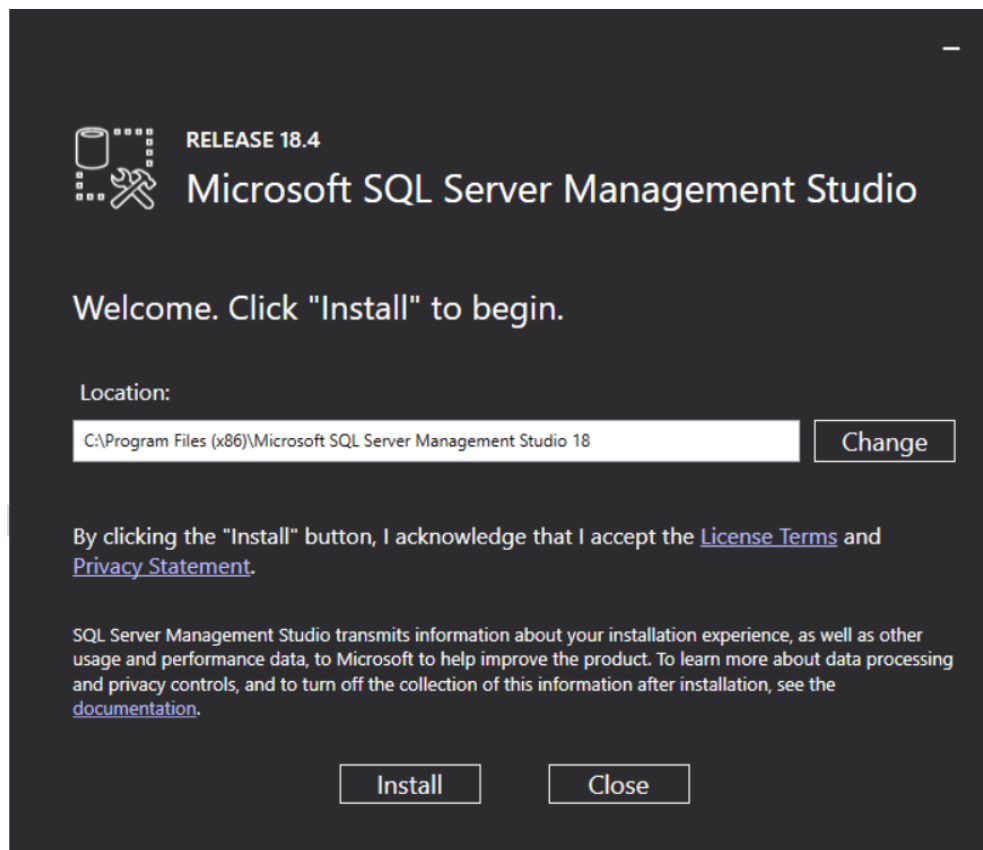
6. Step 5: : Wait for installation to complete and click **Install SSMS**



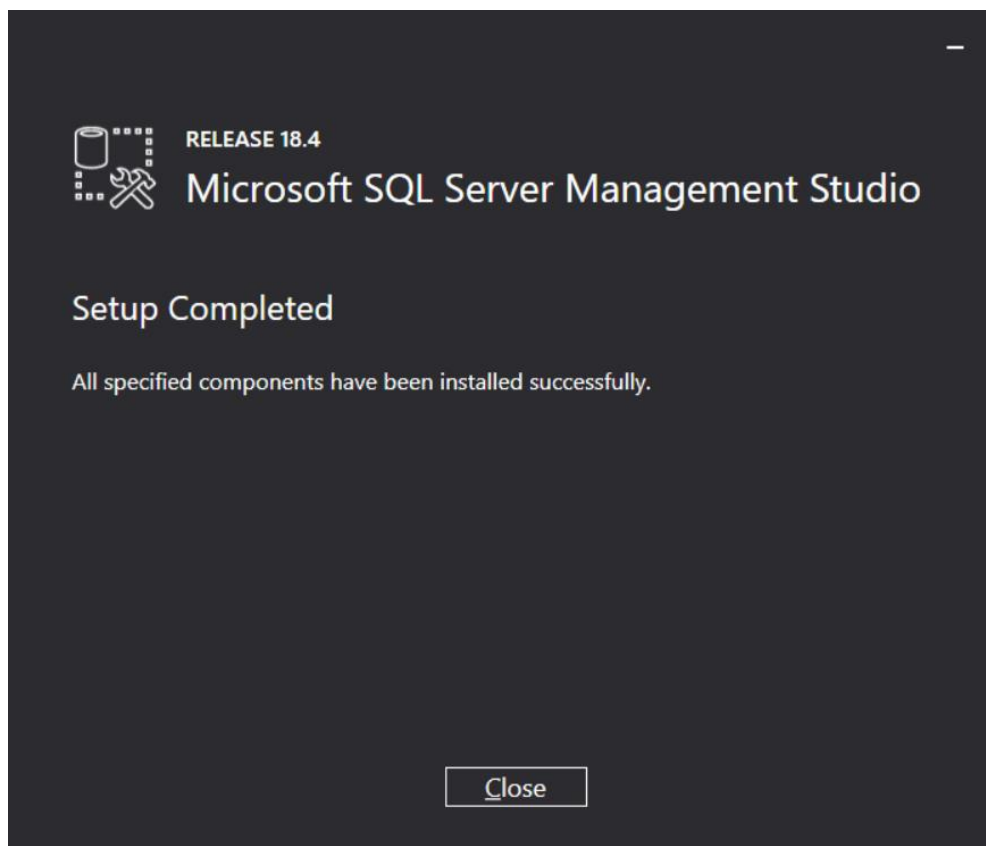
7. Step 6 : After click, redirect to this page and click **Download SQL Server Management Studio(SSMS)**



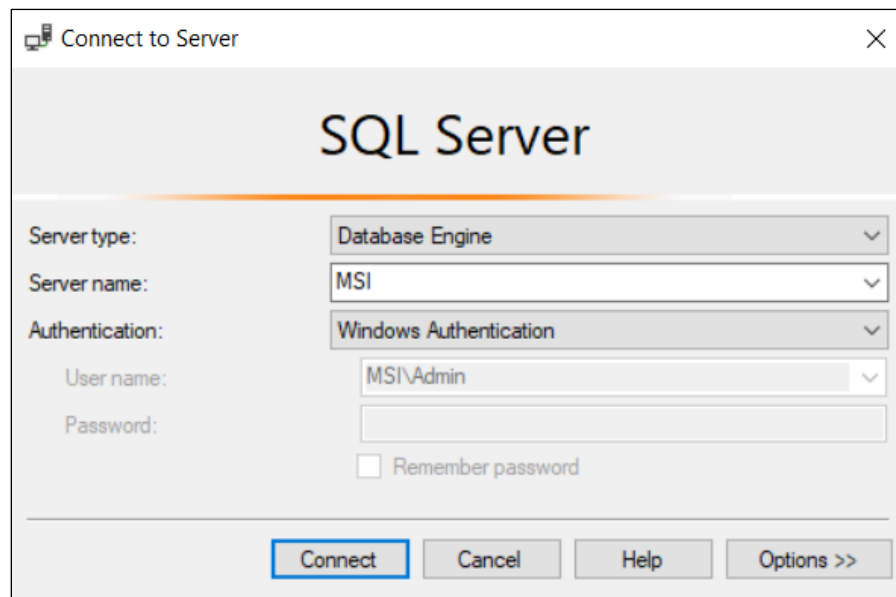
8. Step 7 : Open the SSMS Installer and click Install



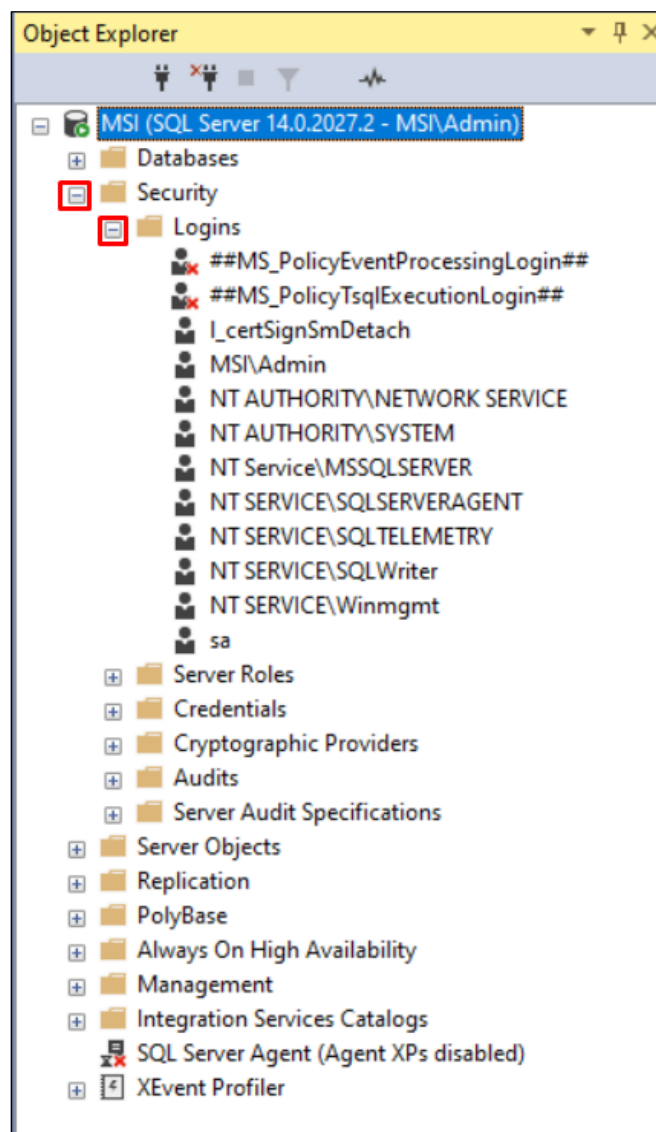
9. Step 8 : Wait for installation to complete and click Close



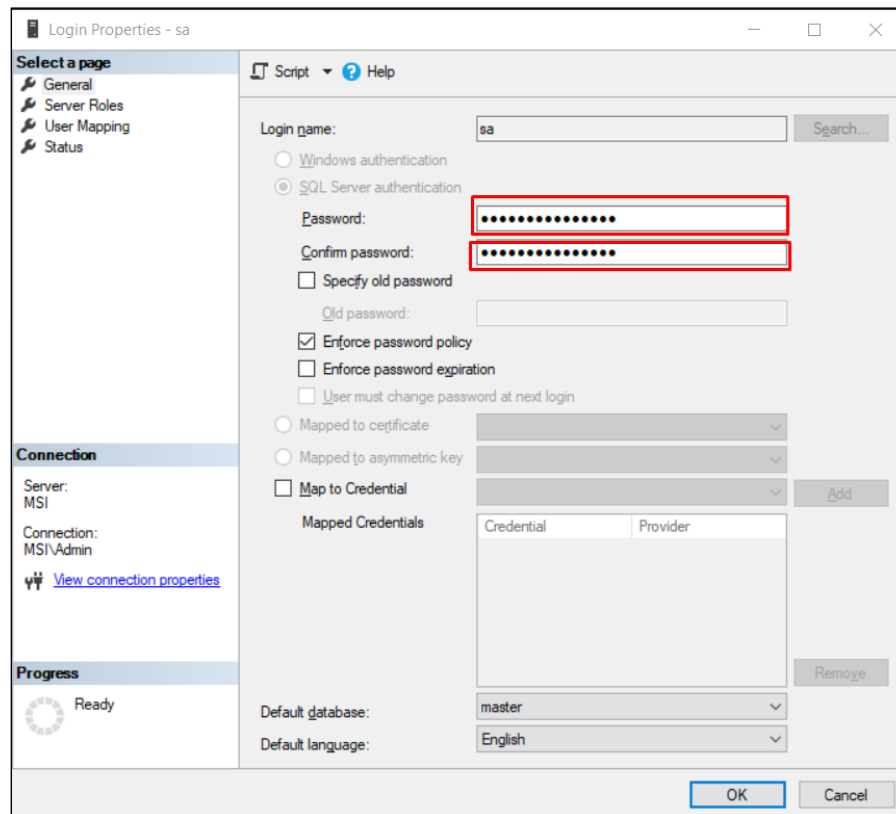
10. Step 9 : Open **SSMS** and connect with **Windows Authentication**



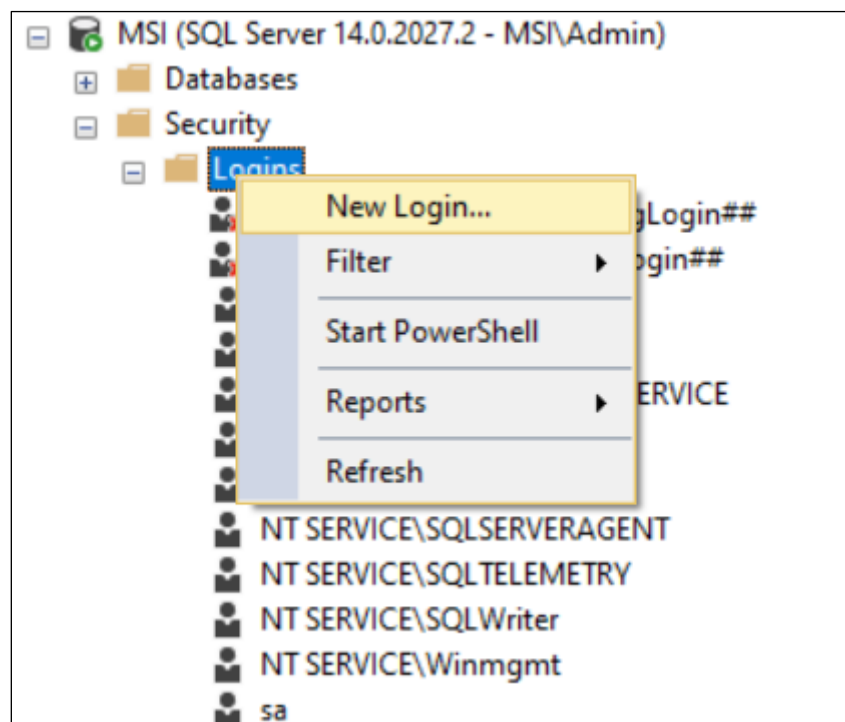
11. Step 9 : After Connect, Expand **Security** and **Logins** in **Objects Explorer**



12. Step 10 : Look at folder **Logins**, if it have **sa**, you can double click and change your password and click **OK**.

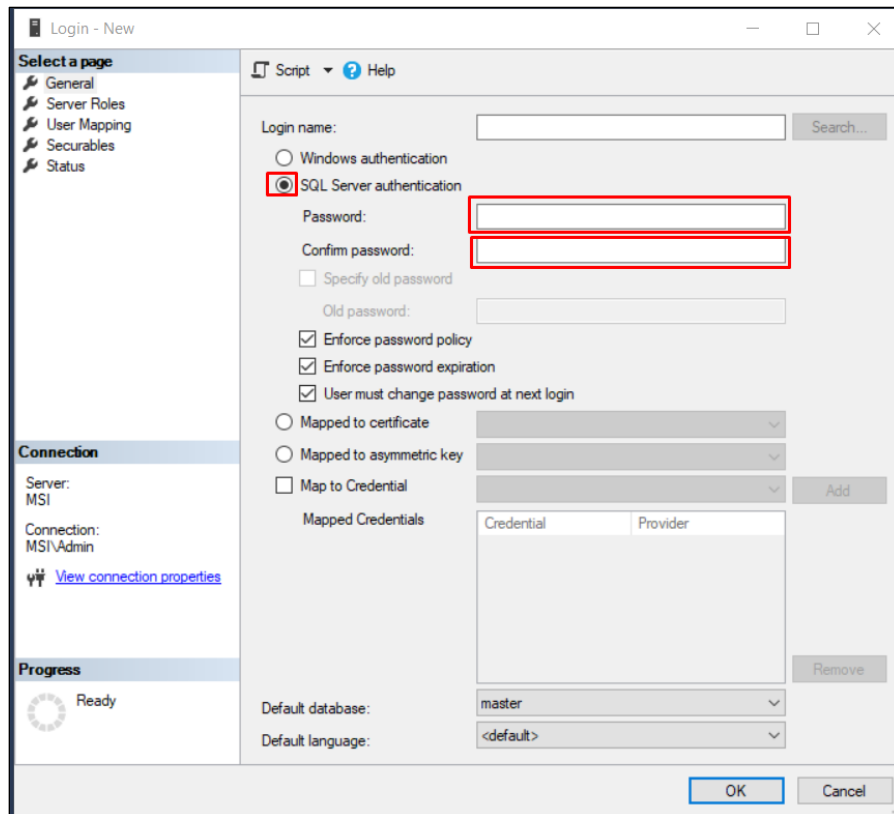


13. Step 11 : if folder **Logins** don't have **sa**, you click mouse-rights on **Logins** and choose **New Login**.

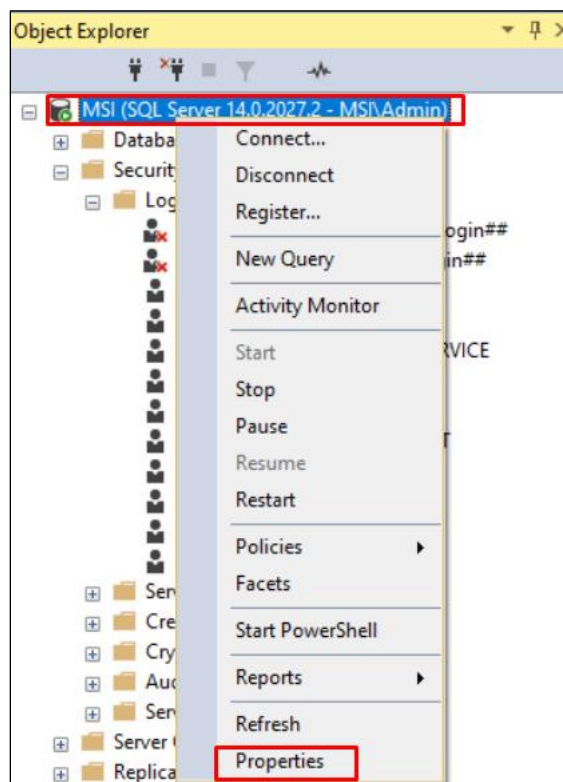


14. Step 12 : Choose **SQL Server authentication**, enter your **password** and click **OK**.

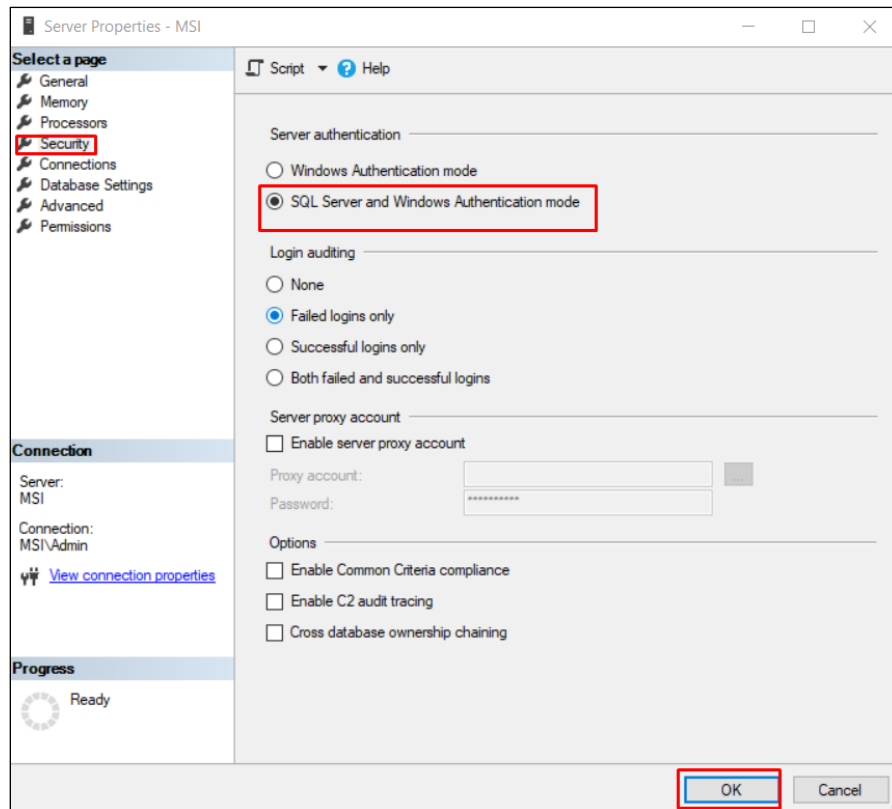




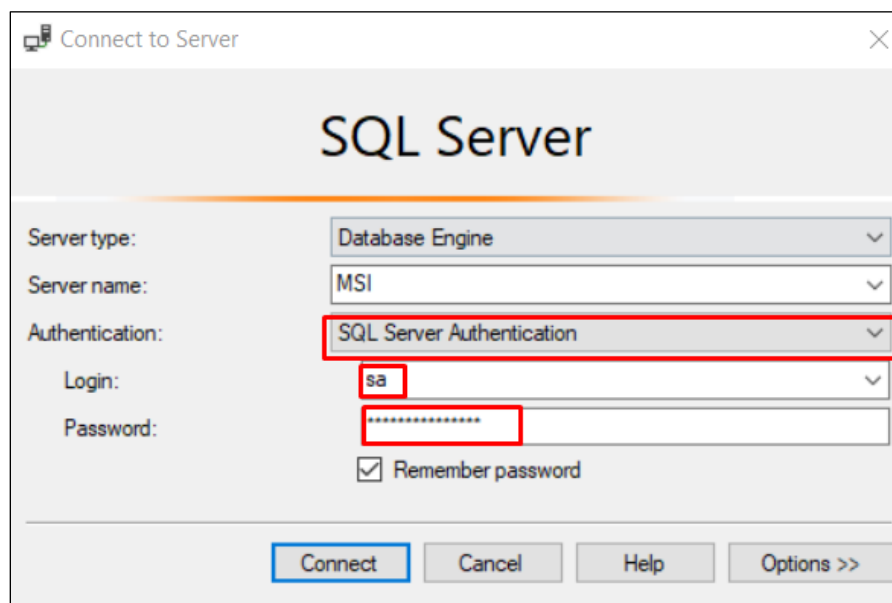
15. Step 13 : When you finish, click mouse-right to your computer's name in **Object Explorer** and choose **Properties**.



16. Step 14: Choose **Security** in board, next choose **SQL Server and Windows Authentication mode** and click **OK**.



17. Step 15: When you finish, Disconnect and Connect again with **SQL Server authentication** and Account (login name: **sa**, password: your password).



## 18. Netbeans 8.2

- Step 1: Download Netbeans 8.2 installer from <https://netbeans.org/downloads/8.2/> . Click the download button for **Java EE**.

### NetBeans IDE 8.2 Download

8.1 | 8.2 | Development | Archive

Email address (optional):

Subscribe to newsletters: ☒ Monthly ☐ Weekly

☒ NetBeans can contact me at this address

IDE Language: English Platform: Windows

Note: Greyed out technologies are not supported for this platform.

#### NetBeans IDE Download Bundles

Supported technologies *	Java SE	Java EE	HTML5/JavaScript	PHP	C/C++	All
NetBeans Platform SDK	•	•				•
Java SE	•	•				•
Java FX	•	•				•
Java EE		•				•
Java ME						•
HTML5/JavaScript		•	•	•		•
PHP			•	•		•
C/C++					•	•
Groovy						•
Java Card™ 3 Connected						•
Bundled servers						
GlassFish Server Open Source Edition 4.1.1		•				•
Apache Tomcat 8.0.27		•				•

Download

Download

Download x86

Download x86

Download x86

Download

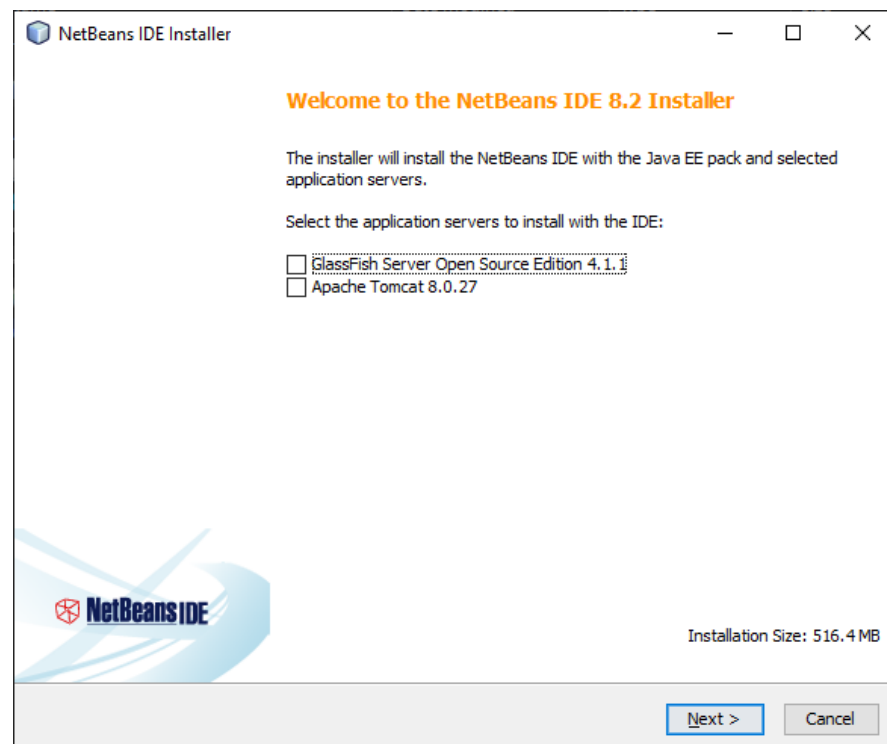
Download x64

Download x64

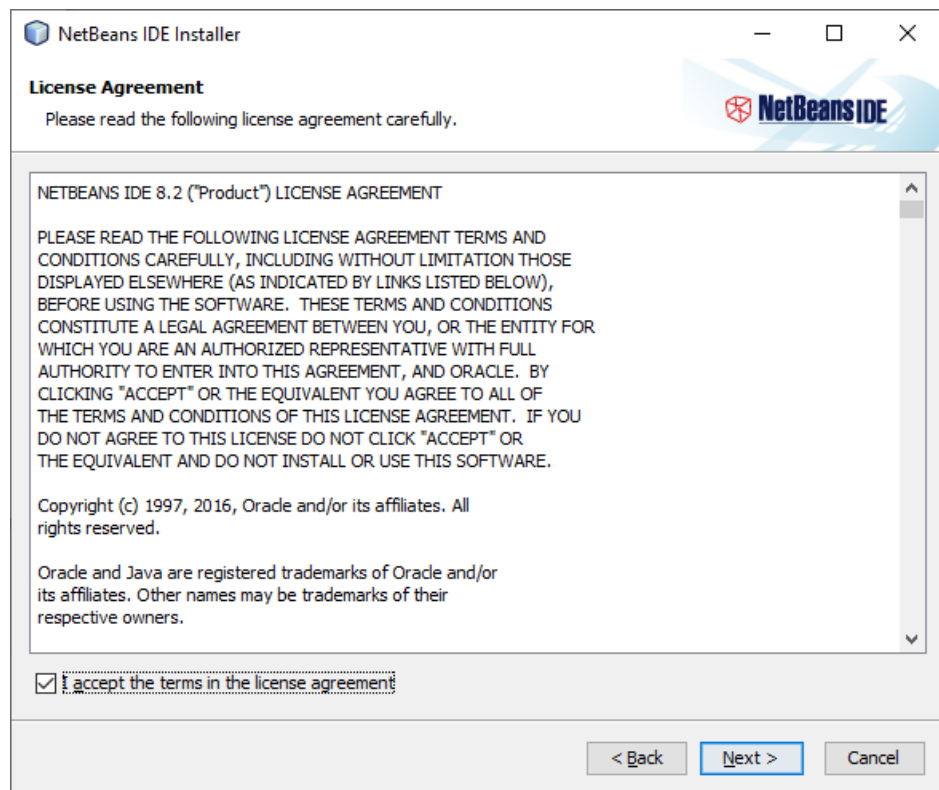
Download x64

Free, 95 MB   Free, 197 MB   Free, 108 - 112 MB   Free, 108 - 112 MB   Free, 107 - 110 MB   Free, 221 MB

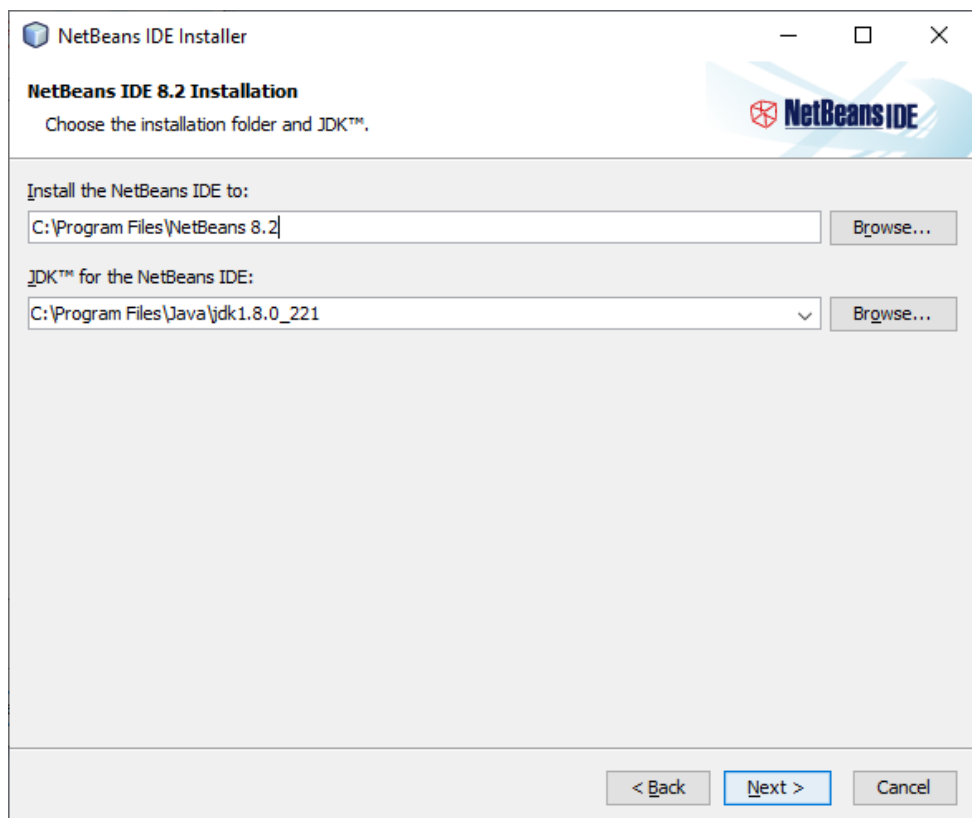
- Step 2: Open the installer, uncheck GlassFish Server installation option and click Next.



- Step 3: Accept terms and services and click next.

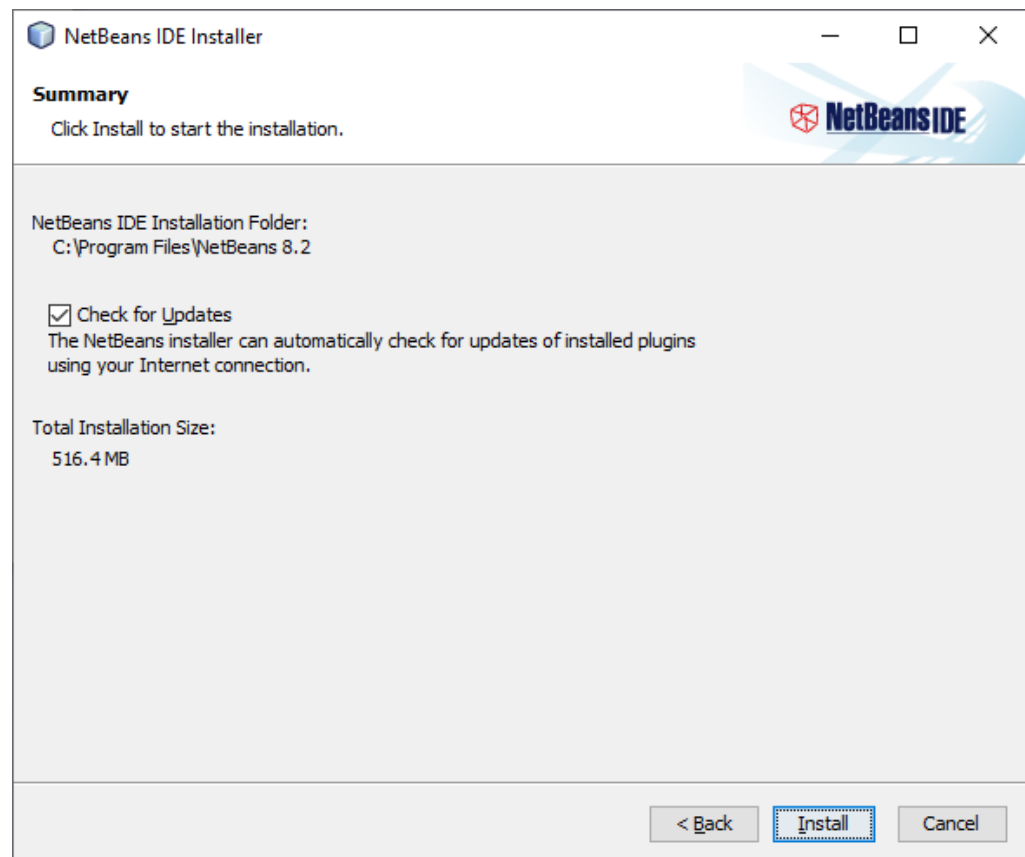


- Step 4: Choose your preferred destination for installation. We'll use default locations.

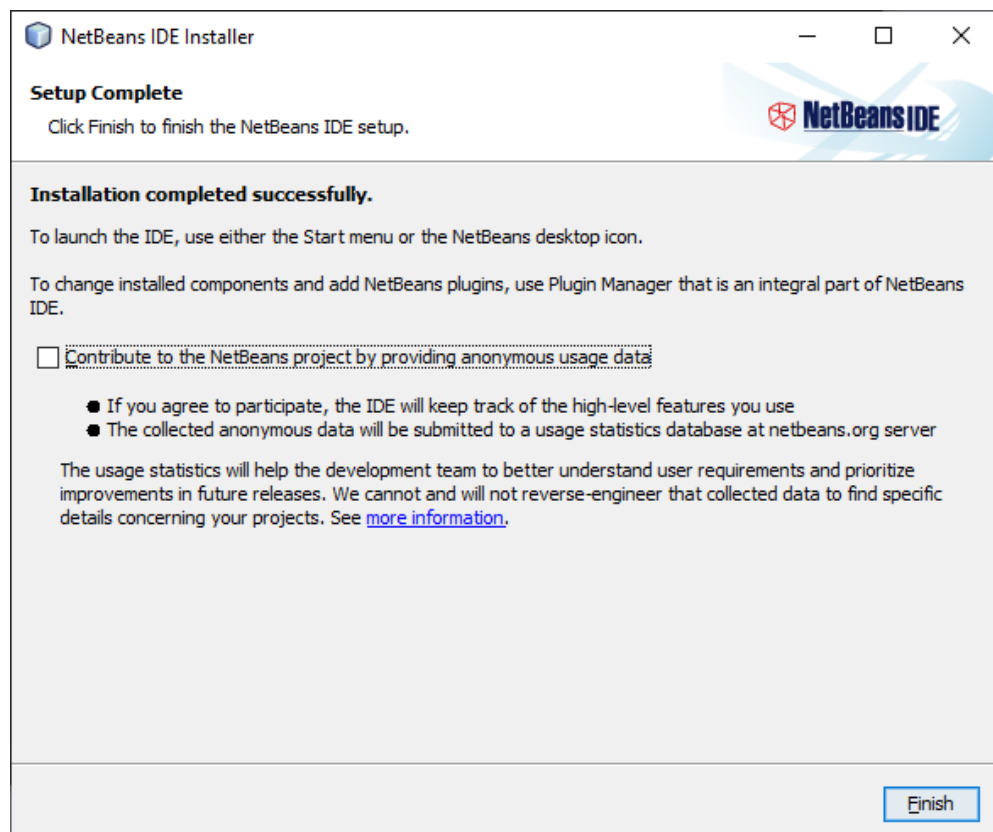


- Once you're done, click next.

- Step 5: Choose whether or not you want automatic updates enabled and click install to proceed to installation.

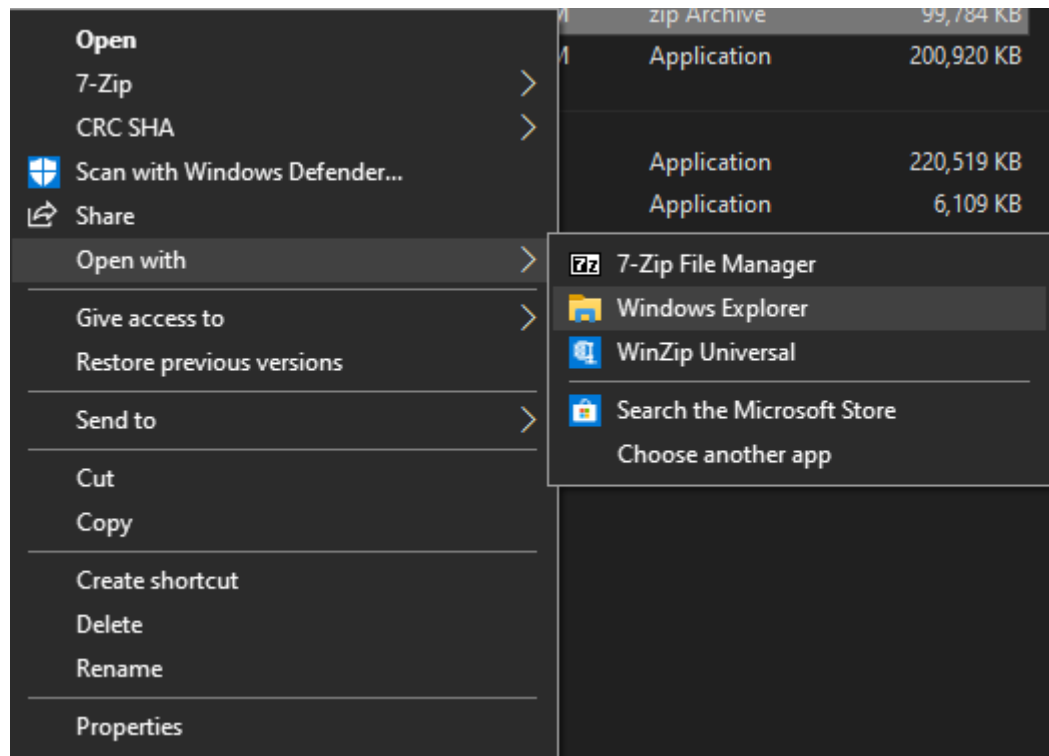


- Step 6: Wait for installation to complete and click Finish once it is completed.

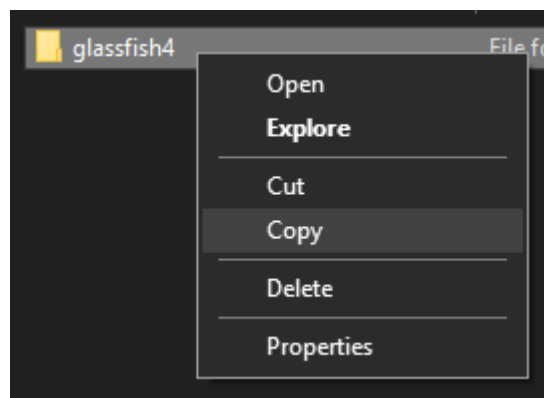


## Glassfish 4

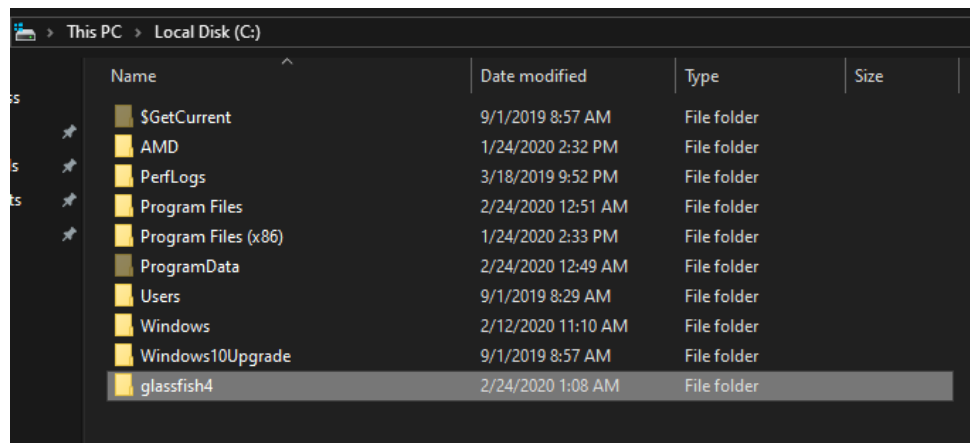
- Step 1: download GlassFish 4.0 from <http://download.oracle.com/glassfish/4.0/release/glassfish-4.0.zip>.



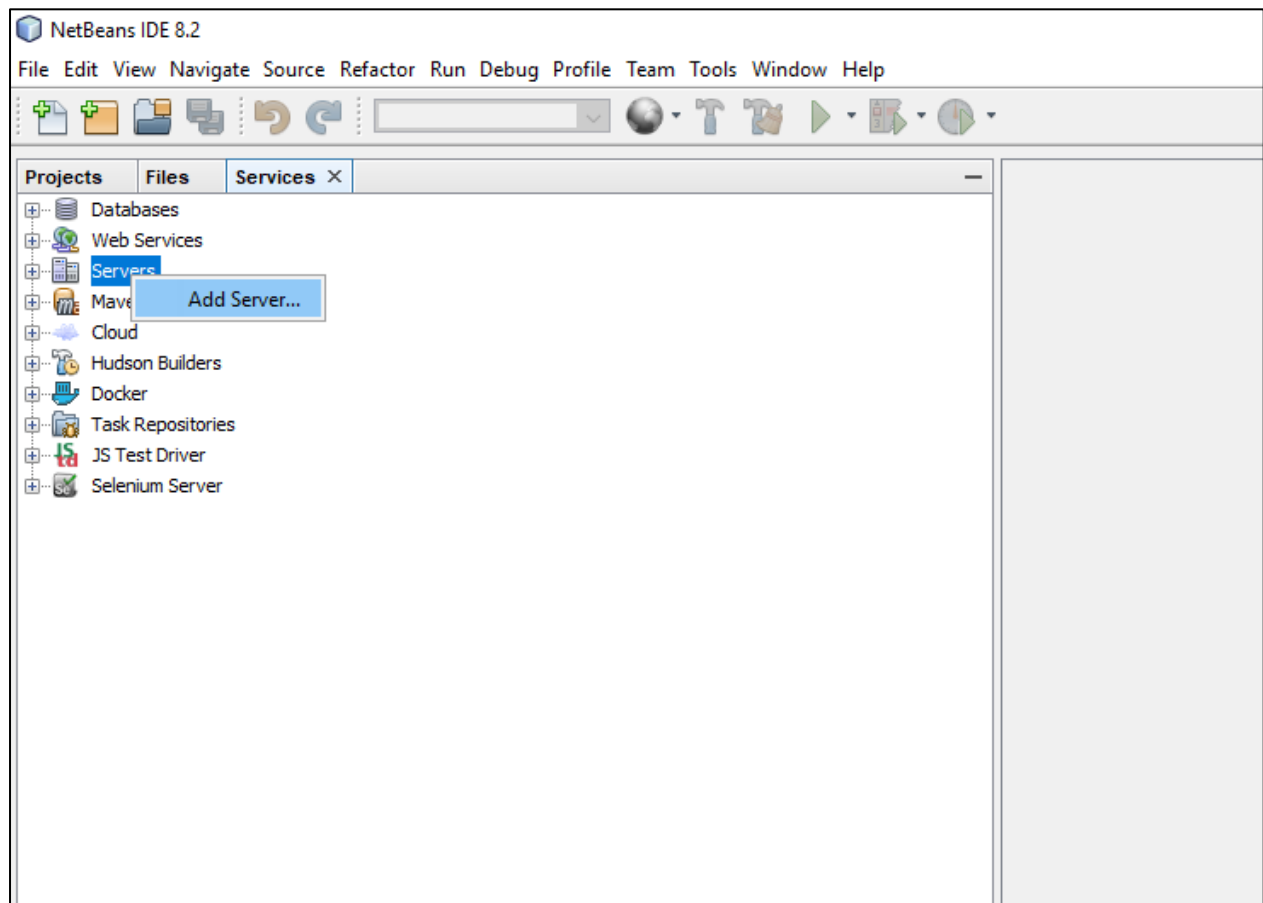
- Step 2: Open the zipped file with an archiver or with Windows Explorer.
- Step 3: Copy the GlassFish folder.



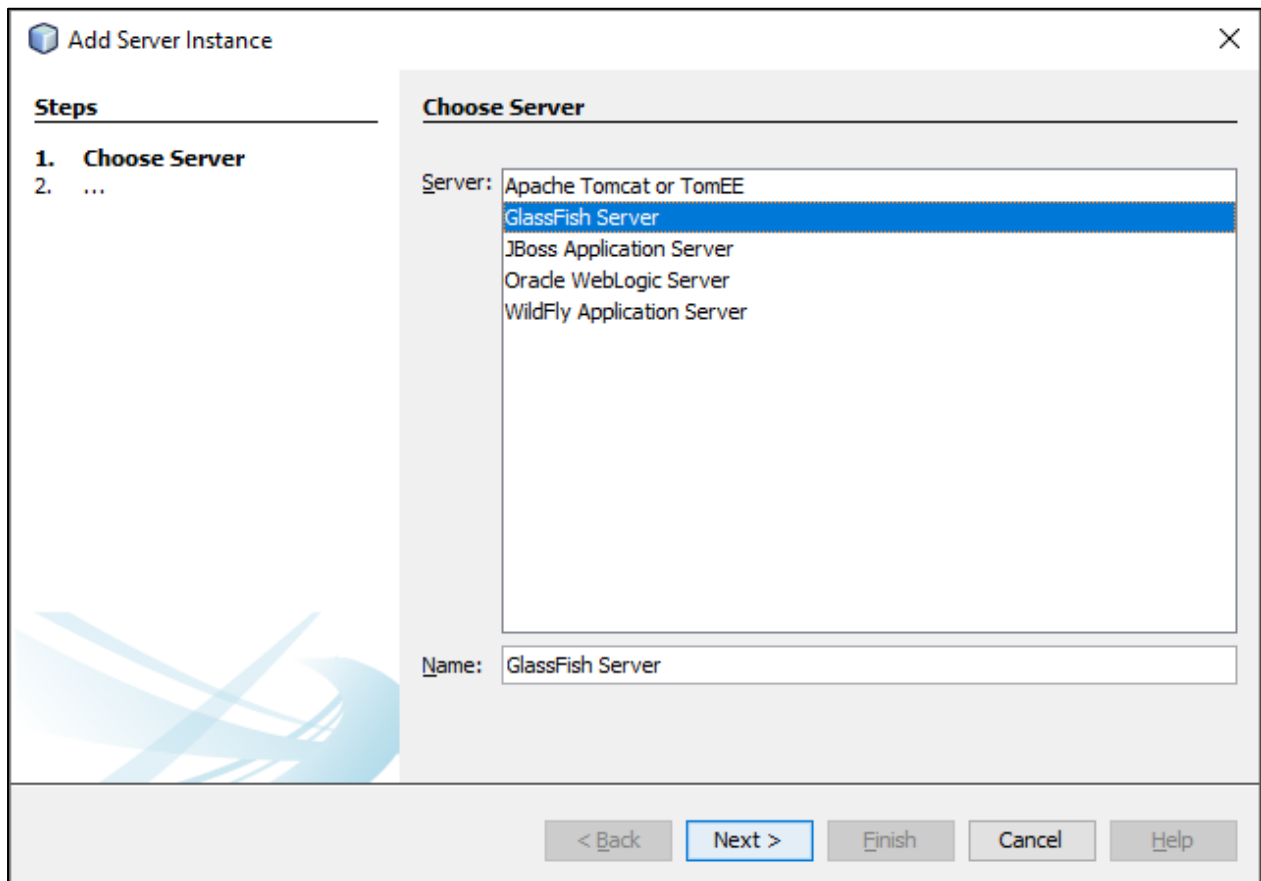
- Step 4: Place the folder in desired location. In this guide, we'll place it in the C: drive.



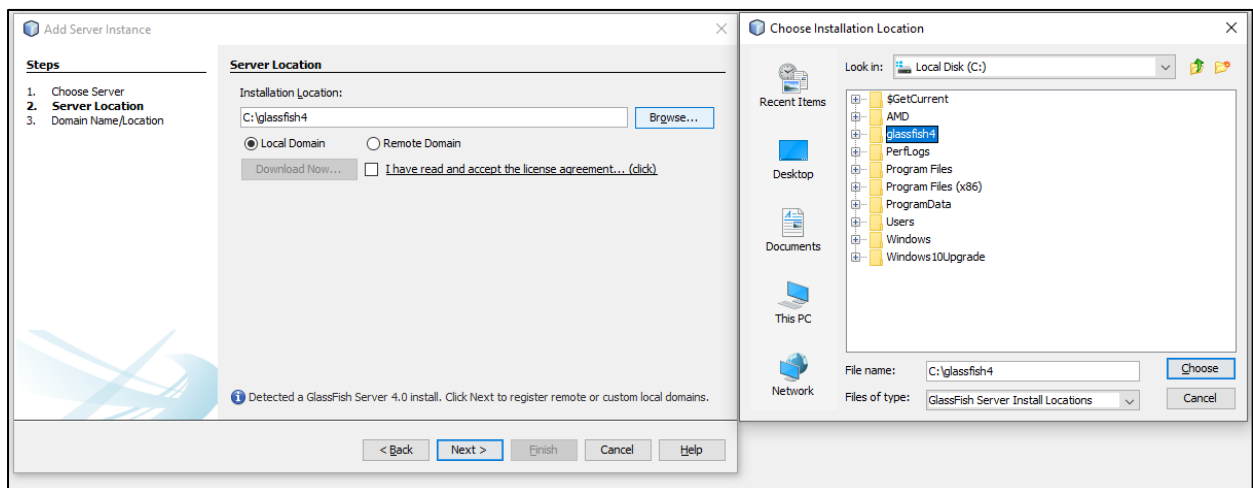
- Step 5: In Netbeans, go to **Services** tab → Right Click on **Servers** → click **Add Servers**.



- Step 6: Select **GlassFish Server** then click Next.

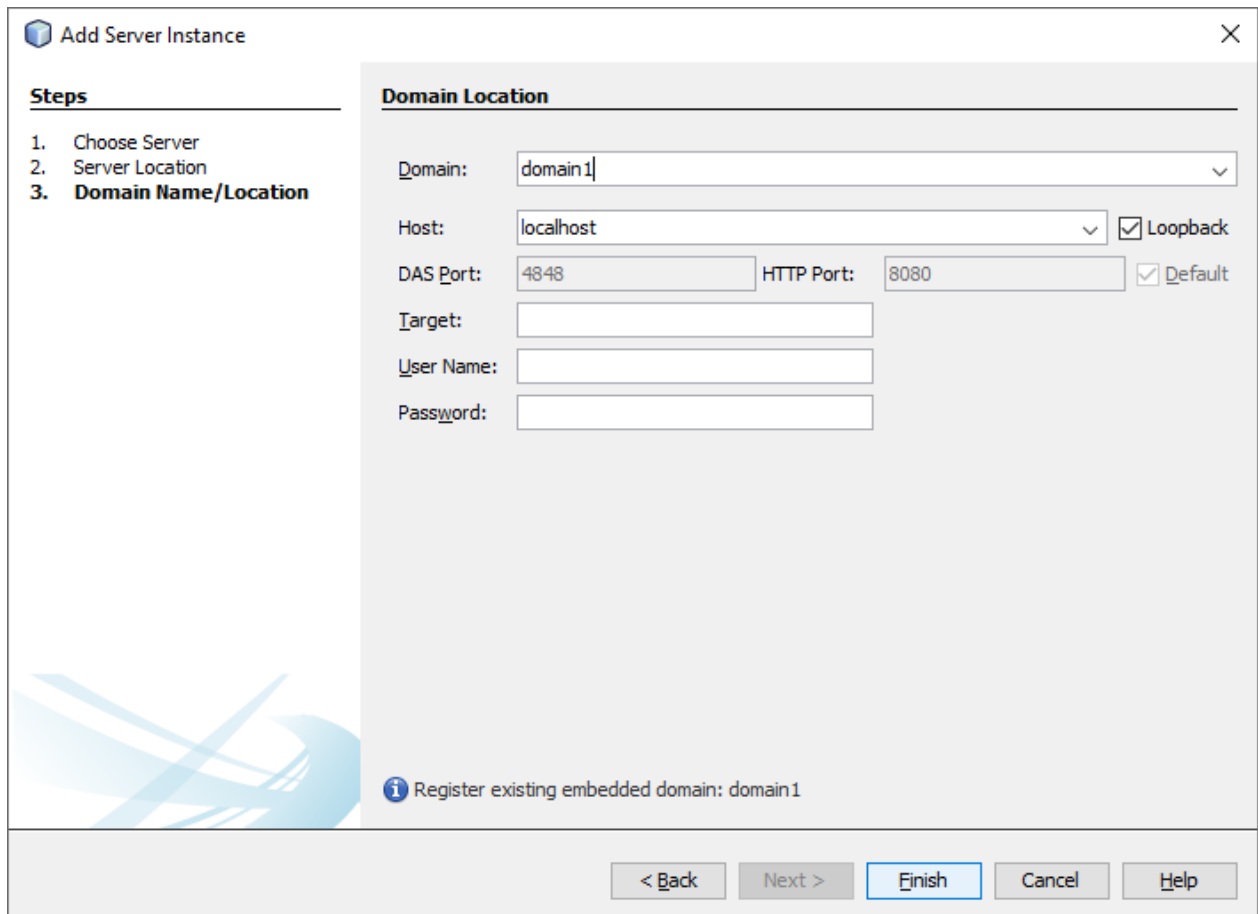


- Step 7: Click **Browse** and select the GlassFish folder extracted in step 4.





- Step 8: Leave configurations as is and click **Finish**.

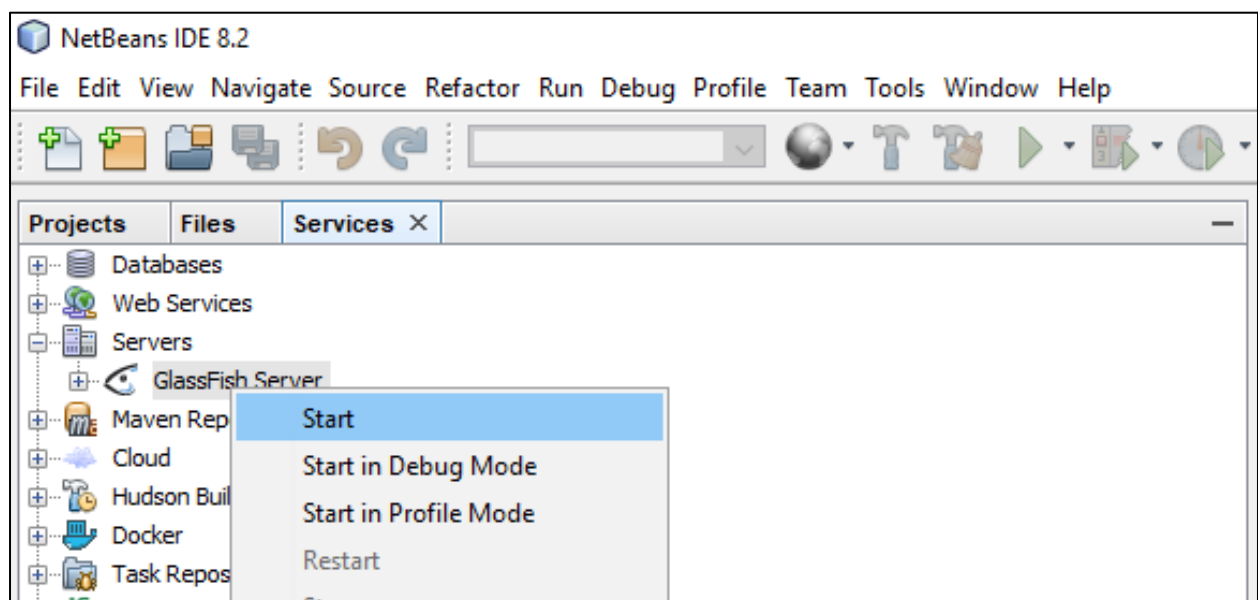


The 'Add Server Instance' dialog box is shown with the 'Domain Location' tab selected. The 'Steps' list on the left indicates the current step is '3. Domain Name/Location'. The 'Domain Location' section contains the following fields and options:

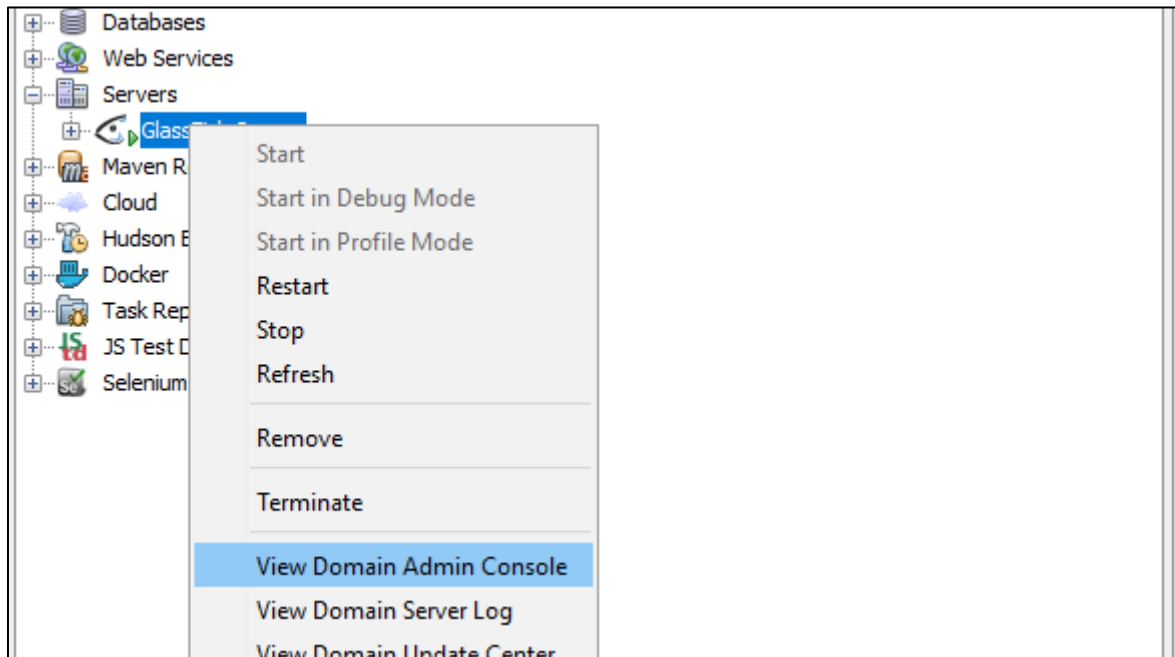
- Domain:** A dropdown menu with 'domain1' selected.
- Host:** A dropdown menu with 'localhost' selected, and a checked checkbox for 'Loopback'.
- DAS Port:** A text field containing '4848'.
- HTTP Port:** A text field containing '8080', with a checked checkbox for 'Default'.
- Target:** An empty text field.
- User Name:** An empty text field.
- Password:** An empty text field.

At the bottom of the dialog, there is an information icon and the text 'Register existing embedded domain: domain1'. The bottom of the dialog features a row of buttons: '< Back', 'Next >', 'Finish' (highlighted in blue), 'Cancel', and 'Help'.

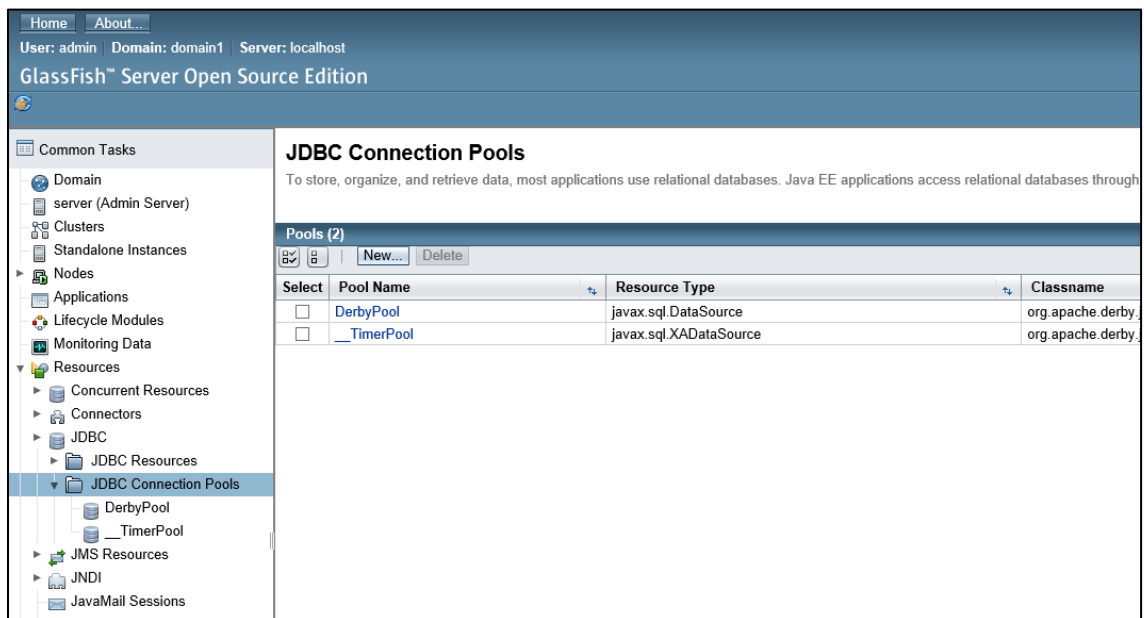
- Step 9: Once the server is added, **Right Click** on the added GlassFish server under **Servers** and select **Start**.



- Step 10: Once server is started, **Right Click** the server → select **View Domain Admin Console**.



- Step 11: In the admin page, select **JDBC** → **JDBC Connection Pools** and click on **New** button.



- Step 12: Name Pool Name: **HTDShop**. Resource Type: **javax.sql.DataSource**. Database Driver Vendor: **MicrosoftSqlServer**. Click **Next**.

Home About...

User: admin Domain: domain1 Server: localhost

GlassFish™ Server Open Source Edition

Common Tasks

- Domain
  - server (Admin Server)
- Clusters
  - Standalone Instances
- Nodes
  - Applications
  - Lifecycle Modules
  - Monitoring Data
- Resources
  - Concurrent Resources
  - Connectors
  - JDBC
    - JDBC Resources
    - JDBC Connection Pools
      - DerbyPool
      - TimerPool

### New JDBC Connection Pool (Step 1 of 2)

Identify the general settings for the connection pool.

**General Settings**

Pool Name: \* HTDShop

Resource Type: javax.sql.DataSource  
Must be specified if the datasource class implements more than 1 of the interface.

Database Driver Vendor: MicrosoftSqlServer  
Select or enter a database driver vendor

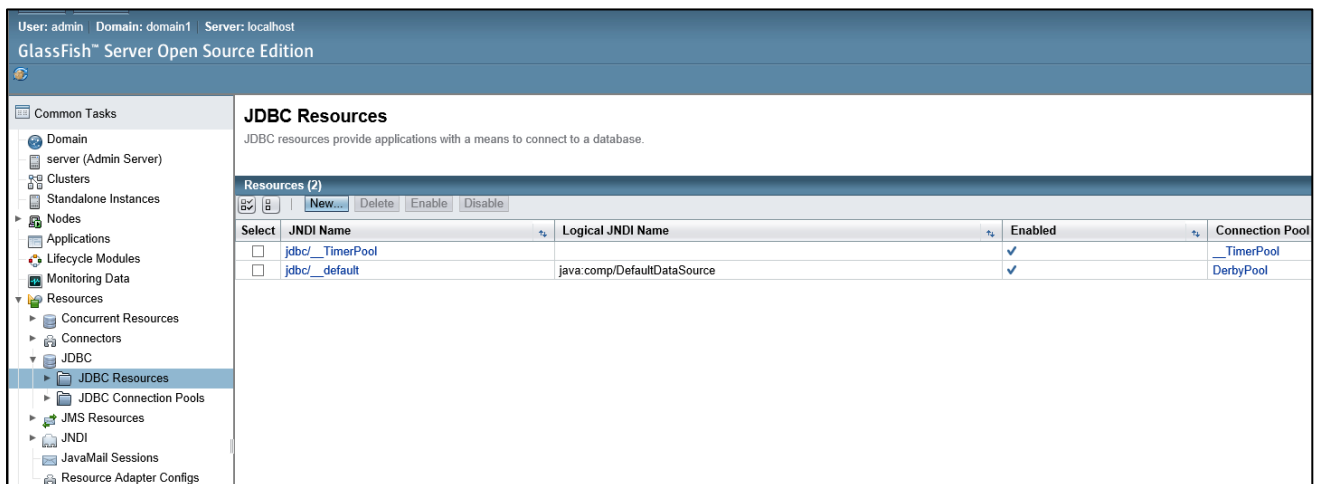
Introspect: ☐ Enabled  
If enabled, data source or driver implementation class names will enable introspection.

- Step 13: Scroll down and change the following values:
  - DatabaseName: **HTDShop**
  - Domain: **localhost**
  - User: **sa**
  - URL: **jdbc:sqlserver://localhost:1433;DatabaseName=HTDShop**
  - Password: **password123**

Once filled, click the **Finish** button.

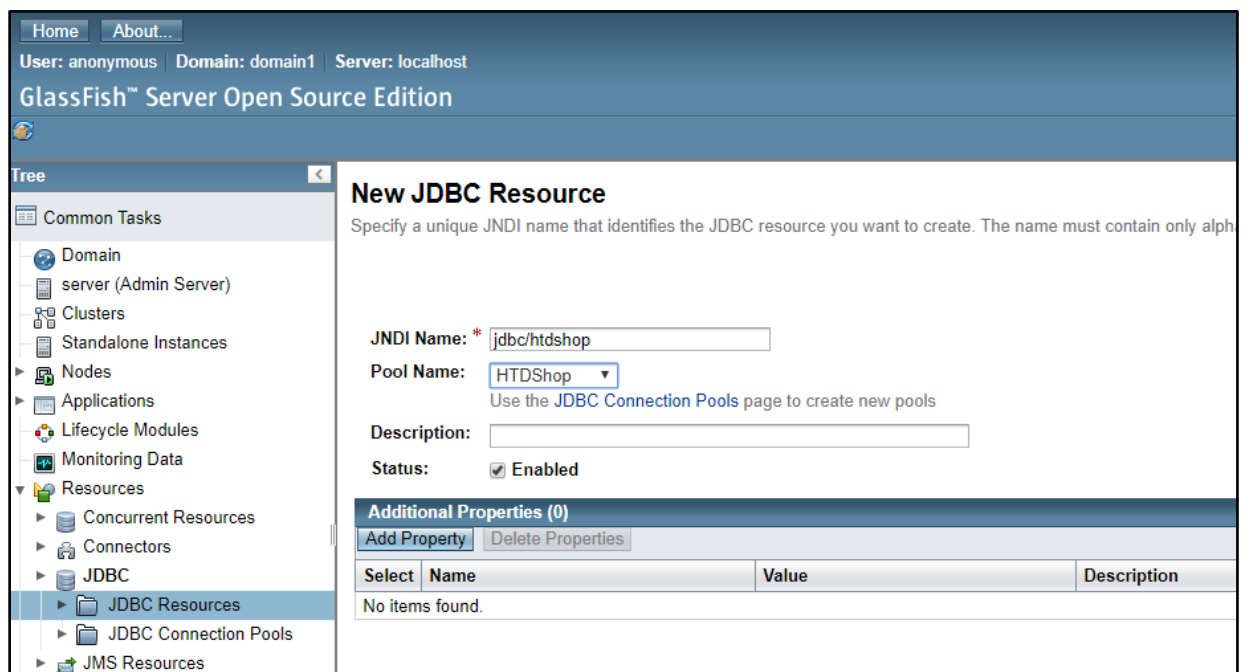
<input type="checkbox"/>	FIPS	false
<input checked="" type="checkbox"/>	DatabaseName	HTDShop
<input type="checkbox"/>	TrustStore	
<input type="checkbox"/>	Encrypt	false
<input type="checkbox"/>	JASSConfigurationName	SQLJDBCdriver
<input type="checkbox"/>	LockTimeout	-1
<input type="checkbox"/>	InstanceName	
<input type="checkbox"/>	MultiSubnetFailover	false
<input type="checkbox"/>	IntegratedSecurity	
<input type="checkbox"/>	ApplicationIntent	readwrite
<input type="checkbox"/>	WorkstationID	DESKTOP-GKR4U5K
<input checked="" type="checkbox"/>	Domain	localhost
<input type="checkbox"/>	HostNameInCertificate	
<input type="checkbox"/>	PortNumber	1433
<input type="checkbox"/>	DisableStatementPooling	true
<input type="checkbox"/>	TrustStorePassword	
<input type="checkbox"/>	StatementPoolingCacheSize	0
<input type="checkbox"/>	Description	
<input type="checkbox"/>	TrustServerCertificate	false
<input checked="" type="checkbox"/>	User	sa
<input type="checkbox"/>	EnablePrepareOnFirstPreparedStatementCall	false
<input type="checkbox"/>	TrustManagerClass	
<input type="checkbox"/>	KeyVaultProviderClientKey	
<input type="checkbox"/>	ColumnEncryptionSetting	Disabled
<input type="checkbox"/>	ResponseBuffering	adaptive
<input type="checkbox"/>	TransparentNetworkIPResolution	true
<input checked="" type="checkbox"/>	URL	jdbc:sqlserver://localhost:1433;databaseName=HTDShop
<input type="checkbox"/>	MSIClientId	
<input type="checkbox"/>	PacketSize	8000
<input type="checkbox"/>	SocketTimeout	0
<input checked="" type="checkbox"/>	Password	password123
<input type="checkbox"/>	ApplicationName	Microsoft JDBC Driver for SQL Server

- Step 14: Under **JDBC** select **JDBC Resources** and click the **New** button.



- Step 15: Fill out the fields:
  - JNDI Name: **jdbc/htdshop**
  - Pool Name: select **HTDShop**

Once done, click the **OK** button.



## 19. Extract source, configure and run

+ Step 1: Extract source (**HTDShop.zip**) to your desired folder.

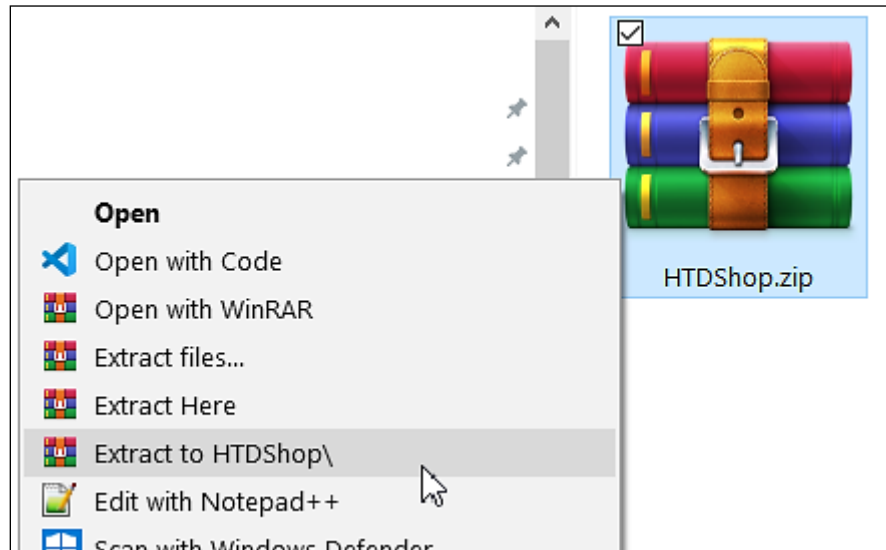


Figure 1

Step 2: In the extracted folder, double click on **HTDPCShop.sql** or open this file with **SSMS** (Microsoft SQL Server Management Studio) (Figure 2)

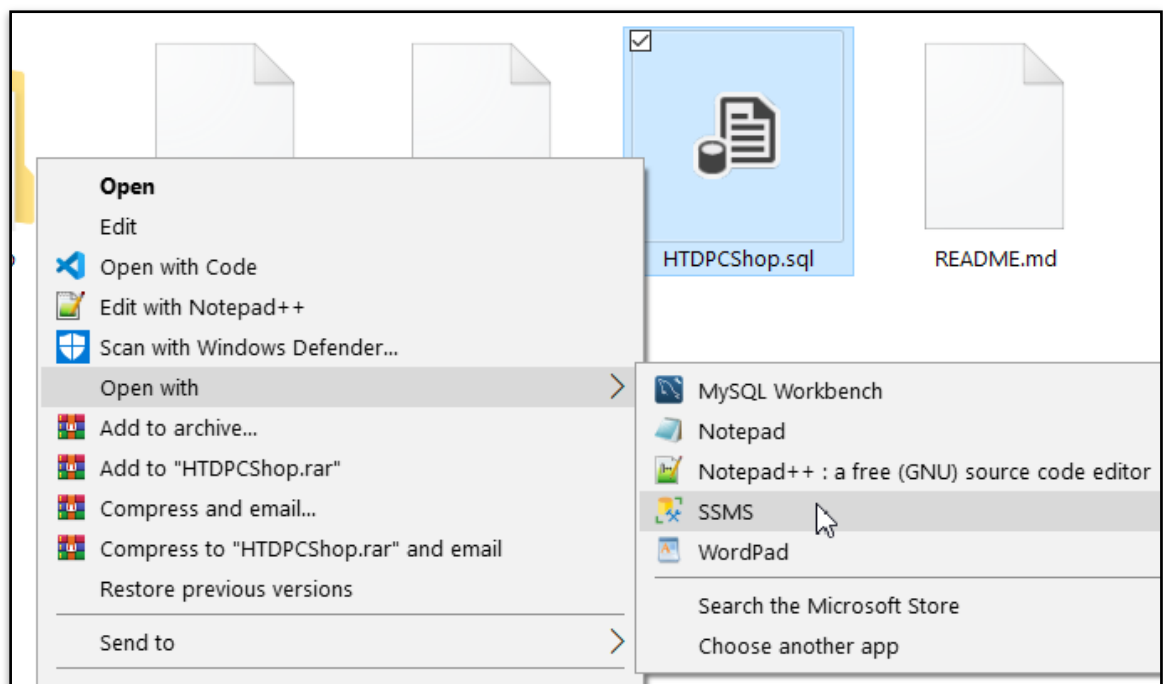


Figure 2

+ Step 3: Choose **SQL Server Authentication** in **Authentication** box (Figure 1) and login as your **"sa"** account.

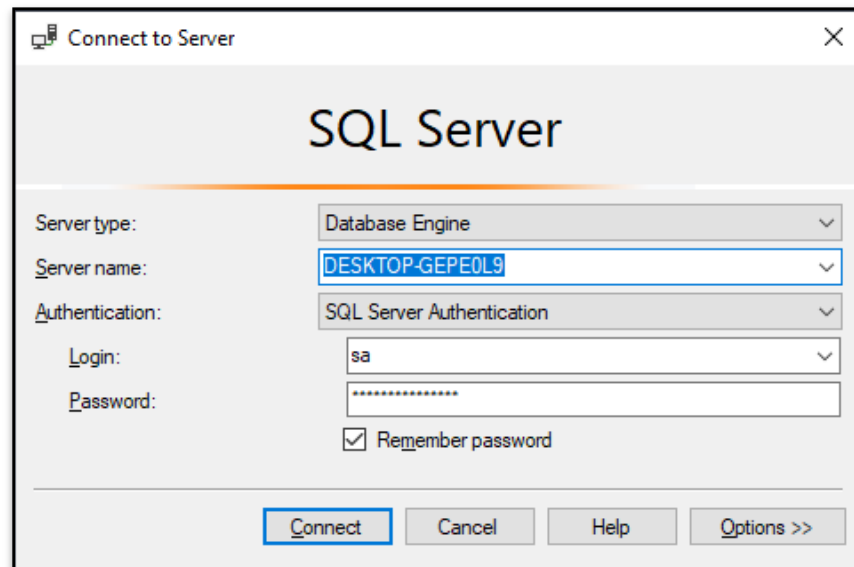


Figure 3

+ Step 4: Press **F5** or click on **Excute** button (Figure 4) on menu bar to excute database creation script.

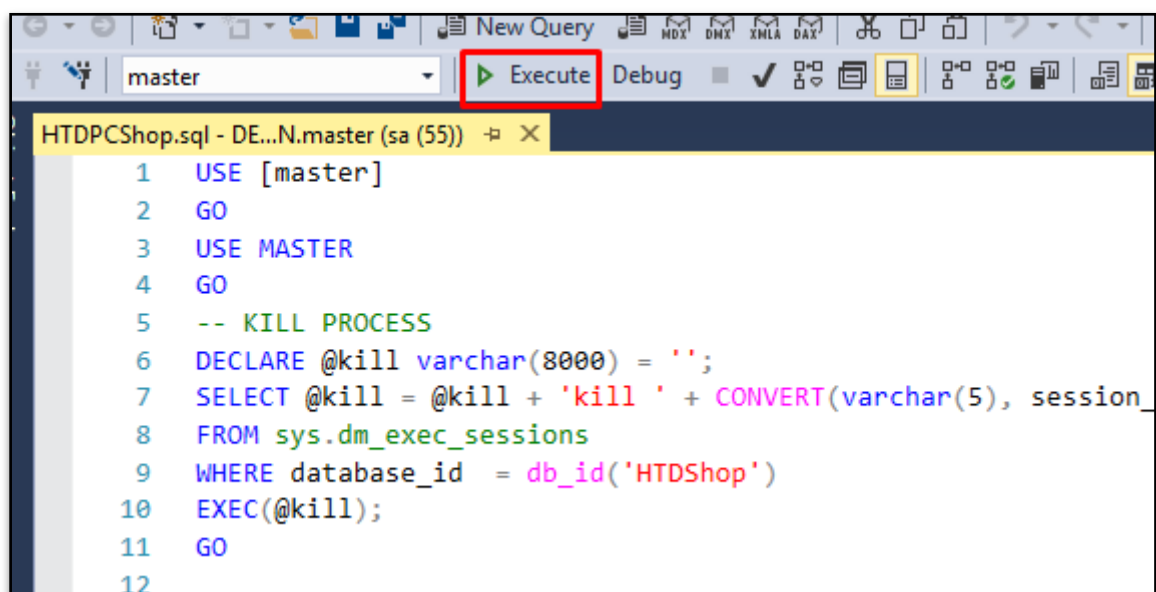


Figure 4

+ Step 5: Run **Netsbean**, choose menu **File > Open Project...** or press **Ctrl+Shift+O**. (Figure 5)

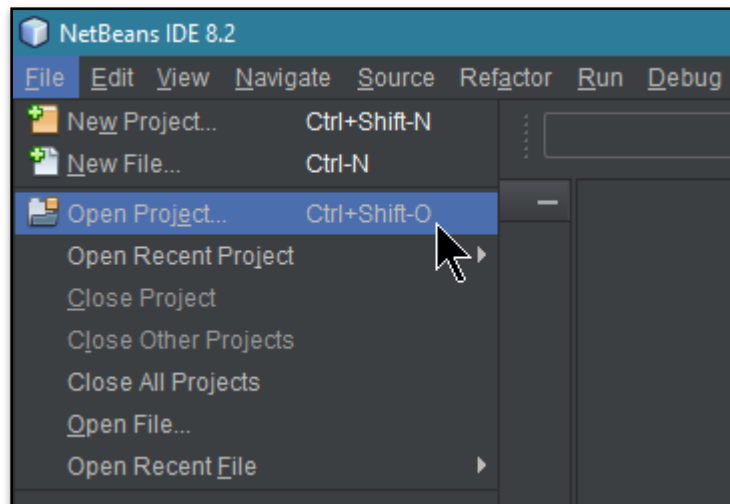


Figure 5

+ Step 6: Navigate to source folder > HTDShop > choose **HTDShop** project, check on **Open Required Projects** option then click **Open Project**. (Figure 6)

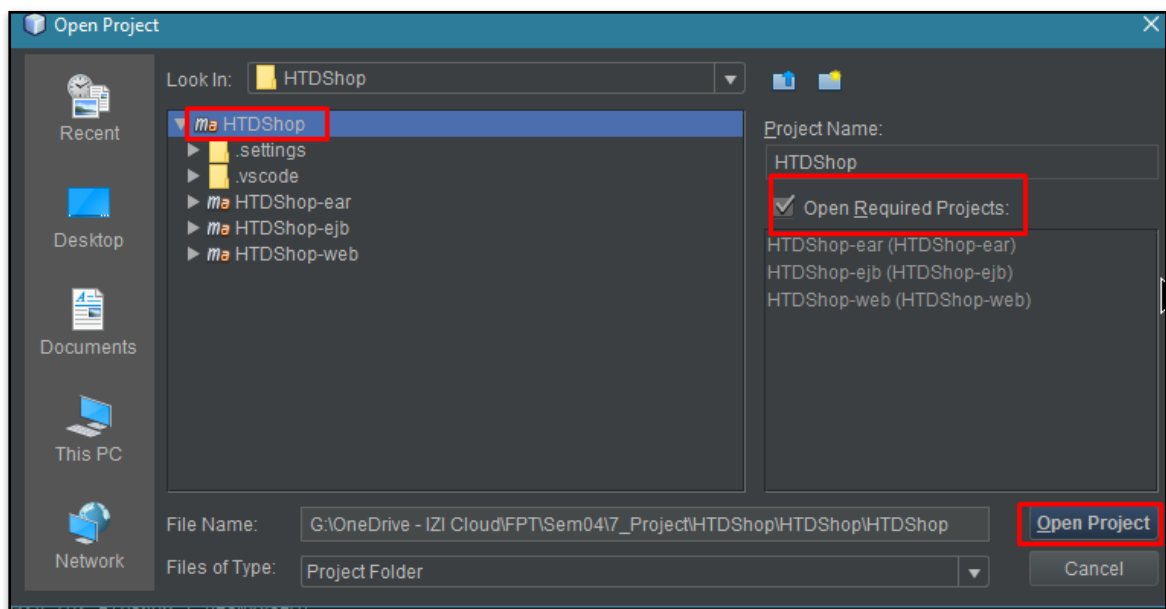


Figure 6

+ Step 7: Right click on **HTDShop-ear** project, click **Properties**. At the **Run** tab, choose created glassfish server (Figure 7) then click OK.

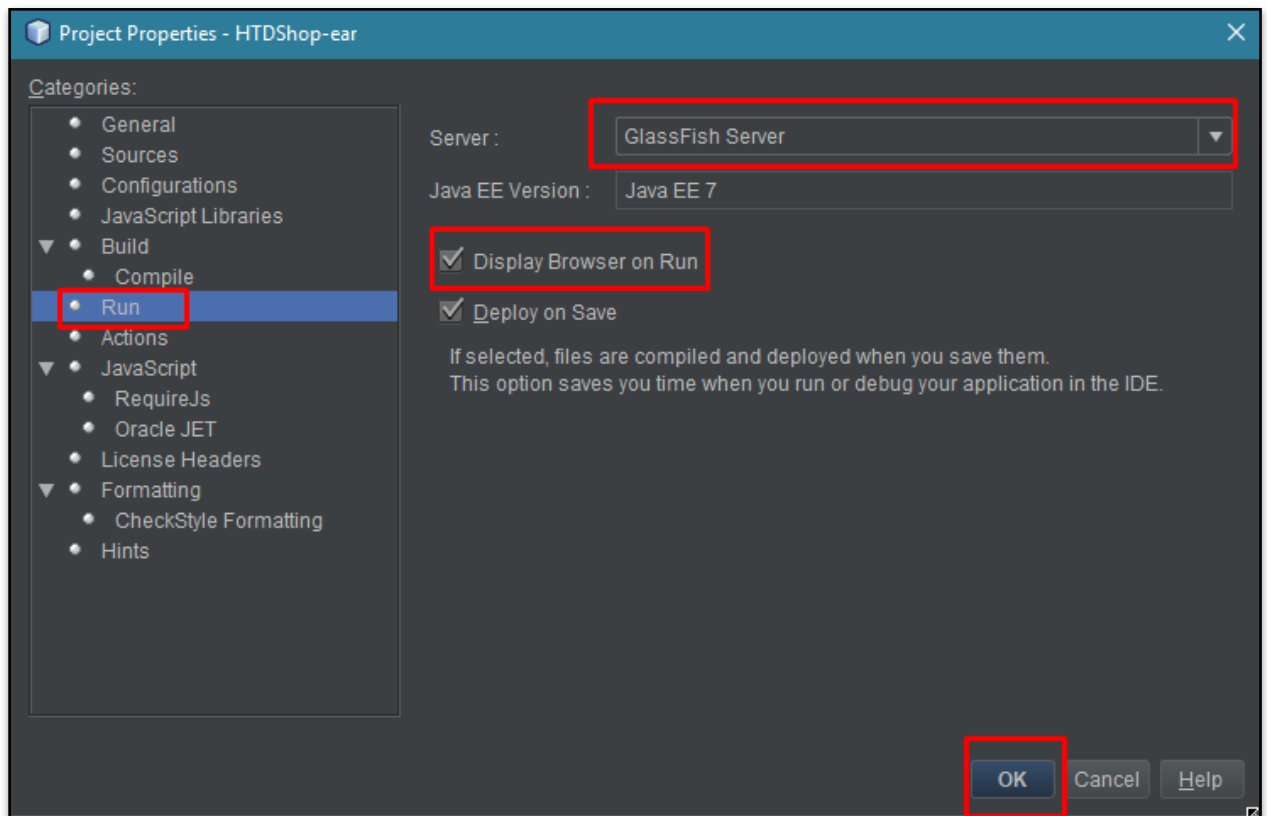


Figure 7

+ Step 8: **Right click** on **HTDShop-ear** project, click **Build with Dependencies** (Figure 8). Then **right click** on **HTDShop-ear** project again > **Run**. And the website is ready on: <http://localhost:8080/HTDShop-web>

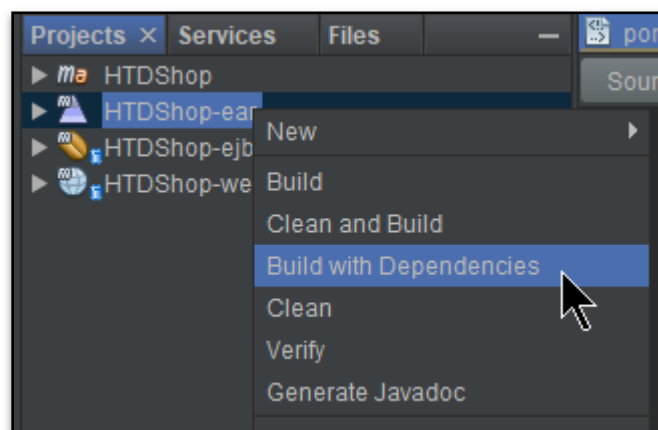


Figure 8