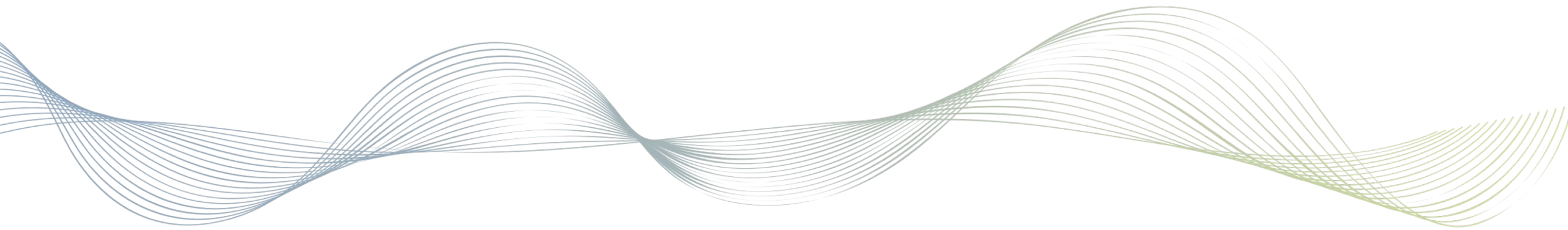


VeSion™ Server

Installation Guide

April 2020 | D08-00-075 Rev. A00





VeSion™ Server Installation Overview



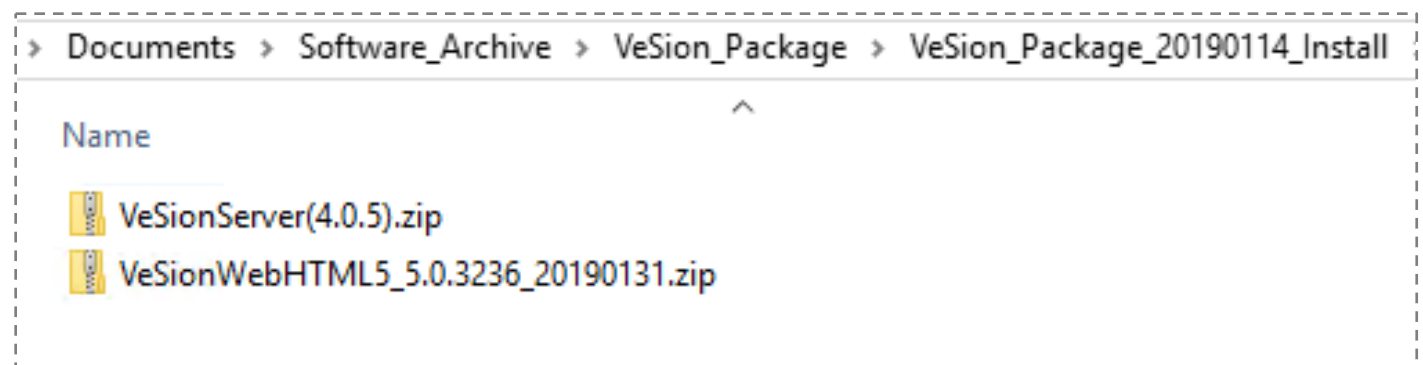
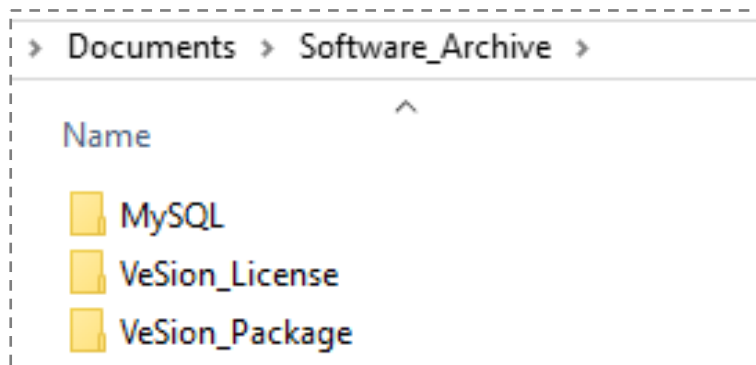
- The VeSion system software runs on Microsoft Windows operating system. The operating system can be
 - Windows Server 2008 R2
 - Windows Server 2012
 - Windows Server 2016
- This quick guide provides detail steps to install the applications needed for a VeSion Server. The below are the major software and server role that need to be installed on the server in addition to the relevant tools to facilitate the installation.
 - Web Server (IIS), .NET Framework 3.5 and Telnet Client features
 - MySQL database and workbench
 - GnuPG Privacy Guard for VeSion system license
 - VeSion Server Application
 - VeSion Web HTML5 Application running under Internet Information Services (IIS)

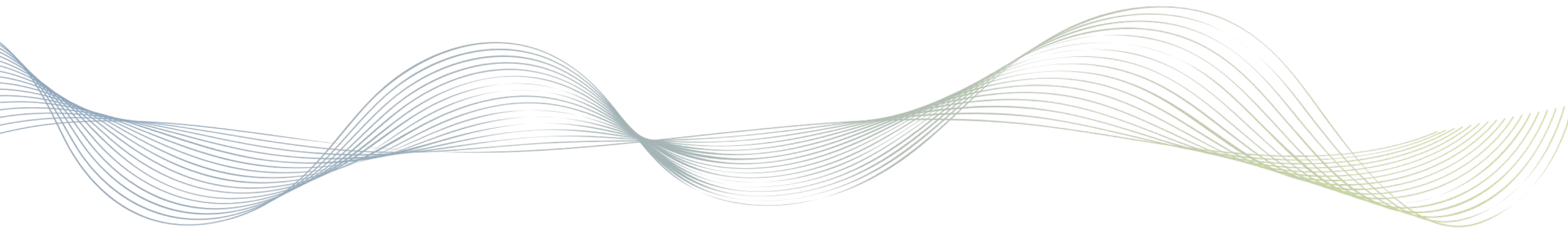
- This guide is based on the use of Windows Server 2016
- Procedure highlights
 - Add operating system features and Install Microsoft applications
 - Turn on Remote Desktop Connection
 - Add Web Server (Internet Information Services) role
 - Add .NET Framework 3.5 feature
 - Add Telnet Client feature
 - Install Microsoft Visual C++ Runtime Libraries 2015 Redistribution
 - Open TCP ports on firewall (assuming that the built-in firewall of the Windows Operating System is used)
 - Install database and configure VeEX applications
 - Install MySQL Installer version 8
 - Install MySQL Server
 - Install MySQL Workbench
 - Configure MySQL Database
 - Install and configure VeSion Sever application
 - Install VeSion Web HTML5 application and upload system license
 - Add application shortcuts to Startup

- MySQL Installer for Windows version 8.0.17.0.
 - <https://dev.mysql.com/downloads/mysql/>
 - Consult with VeEX [Customer Care](#) for compatibility with other versions
- MySQL configuration tool <MySQLConfigurationHelper(3.0.0)190218>
 - Provided by VeEX
- PnuGPG <gpg4win-vanilla-2.3.3.zip>
 - Provided by VeEX
- VeSion GPG public key file <vesion_public.key>
 - Provided by VeEX
- VeSion license file:
 - Provided by VeEX for the ordered configuration and license duration
- VeSion Server
 - Provided by VeEX
- VeSion Web HTML5
 - Provided by VeEX

Organizing the Software on the Server

- To allow an easy reference to the software installation history and access to the software for future use, it is recommended to put the installation software on the server.
- If Drive C: has a good amount of free disk space, use the default Documents folder.
- Create a Software_Archive folder under Documents.
- Under the Software_Archive folder, create the following folders
 - MySQL, which contains the MySQL installation software, MySQL Configuration Helper
 - VeSion_License, which contains the gnu installation software and the vesion_public.key file
 - VeSion_Package, which contains the VeSion Server and the VeSion Web HTMLT software





Server Roles and Features

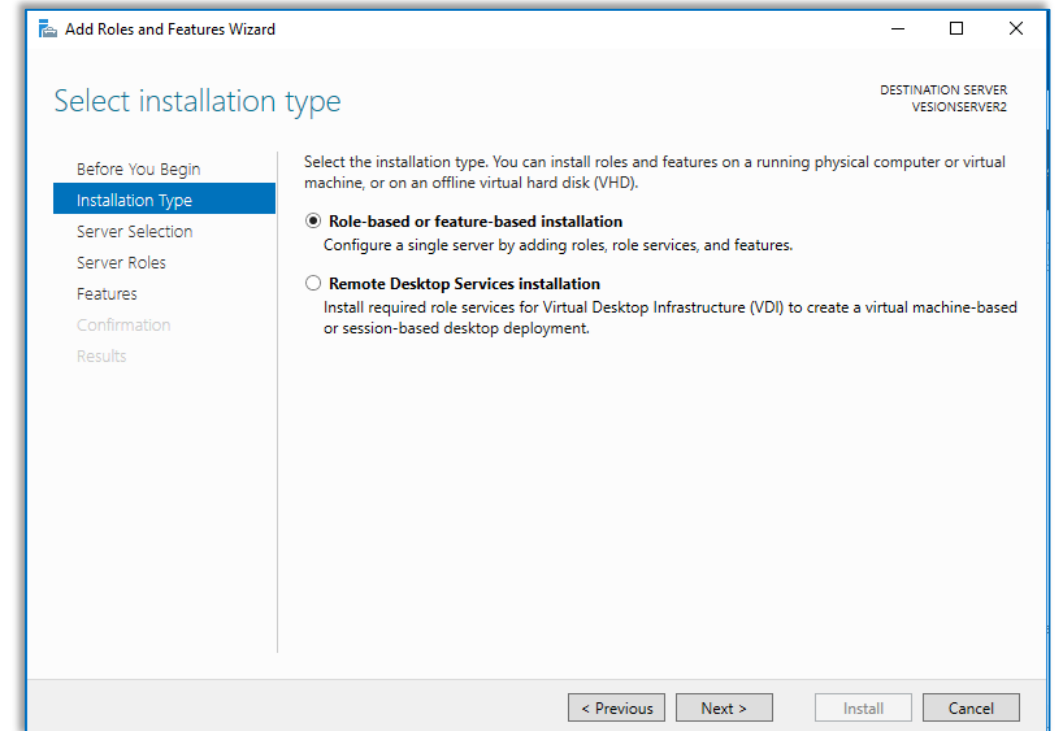
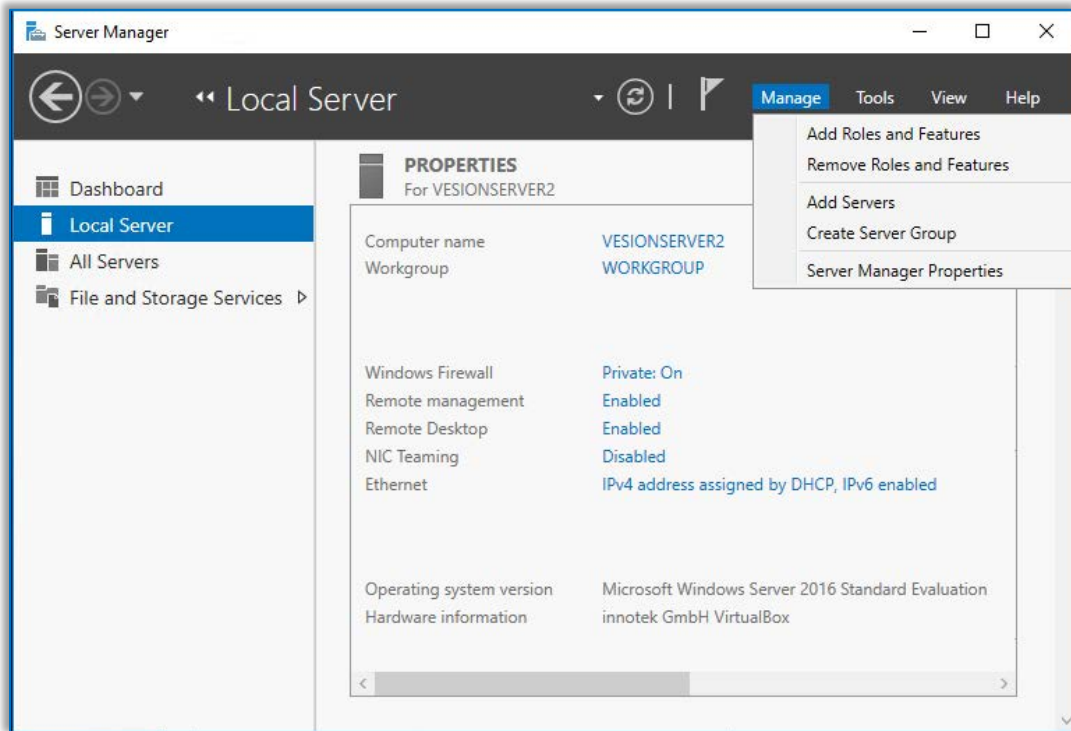
Step 1



Server Manager

Add Roles and Features

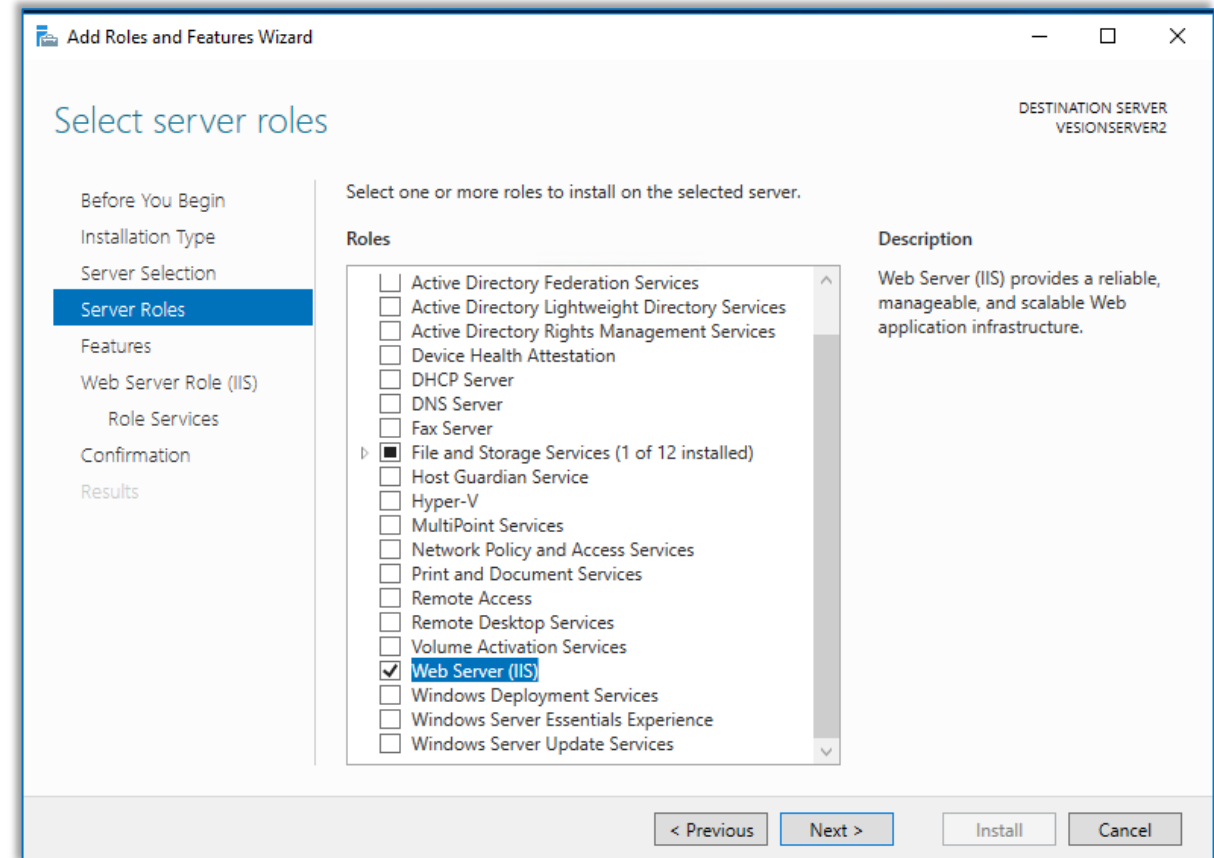
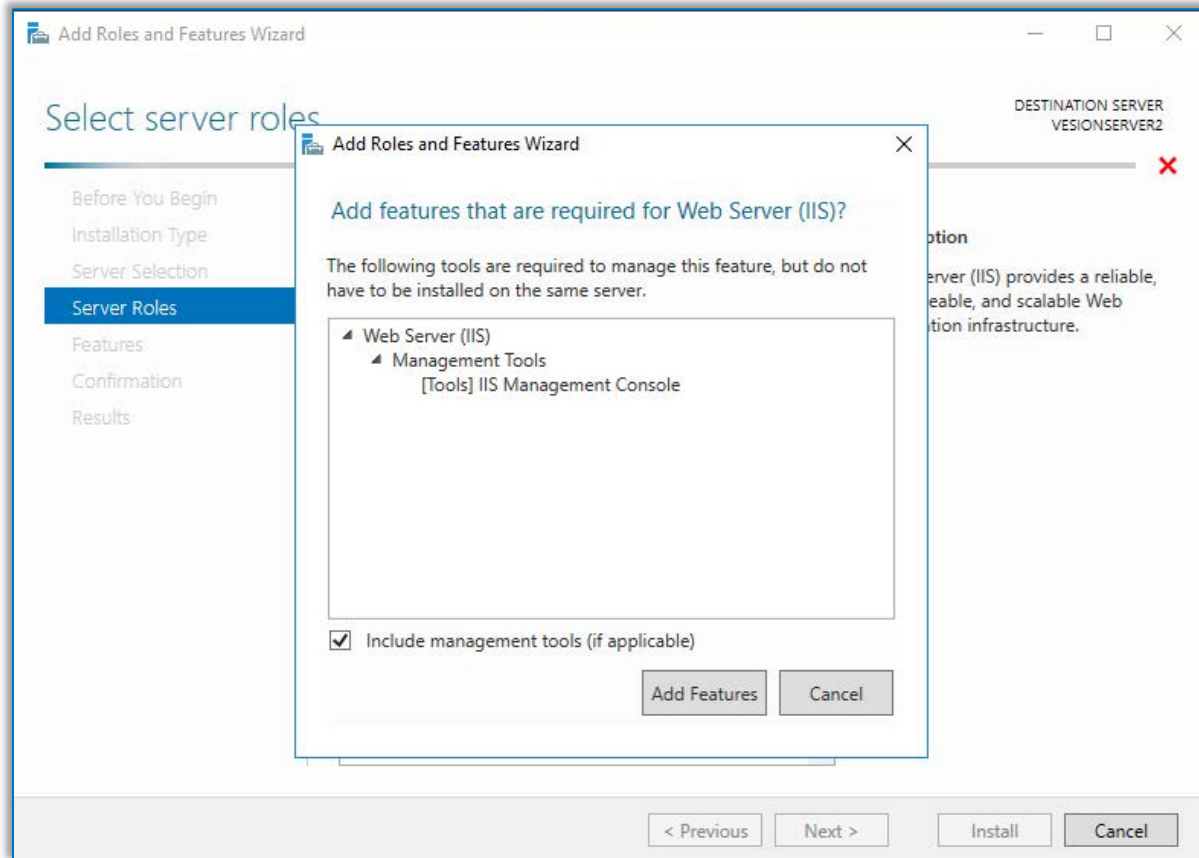
- The first step of the installation is to use the Add Roles and Features of the Server Manager to add the below roles and features
 - Web Server (IIS)
 - .NET Framework 3.5 Features
 - Telnet Client



Server Manager

Add Web Server (IIS) Role

- Web Server (IIS) and associated features



Server Manager

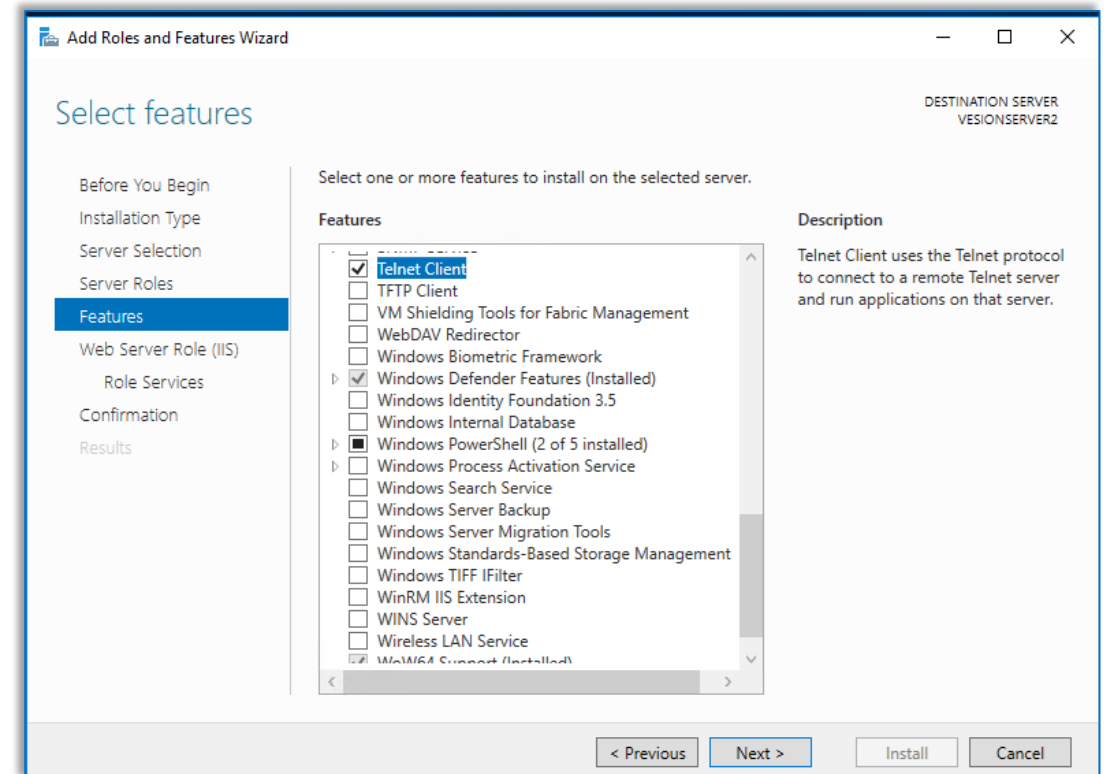
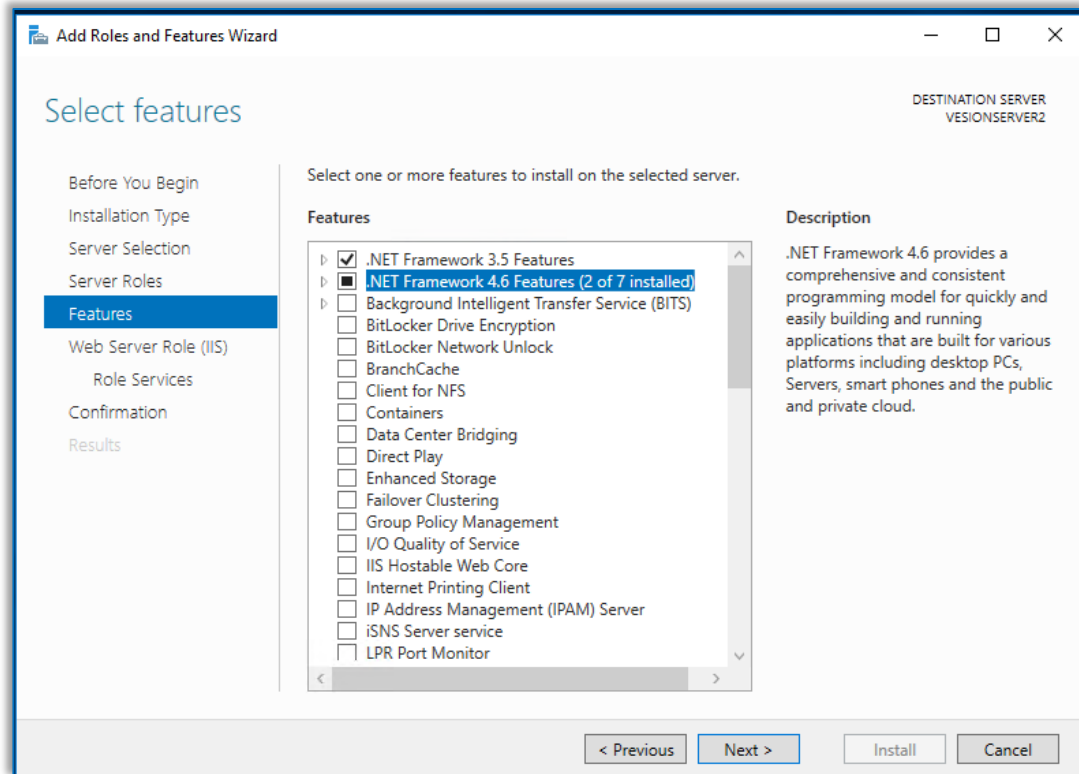
Add .NET Framework and Telnet Features

- .NET Framework 3.5 Features

- The .NET Framework 3.5 features are needed to run the MySQL Configuration Tool when setting up the database

- Telnet client

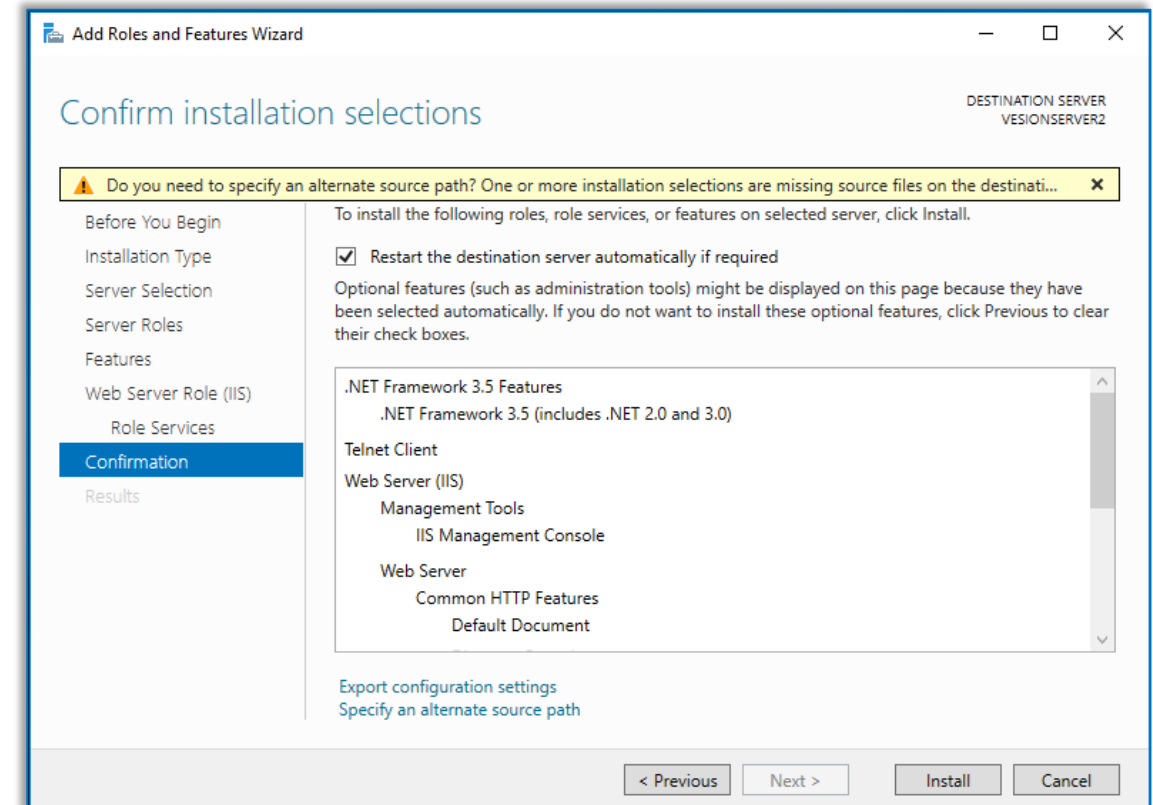
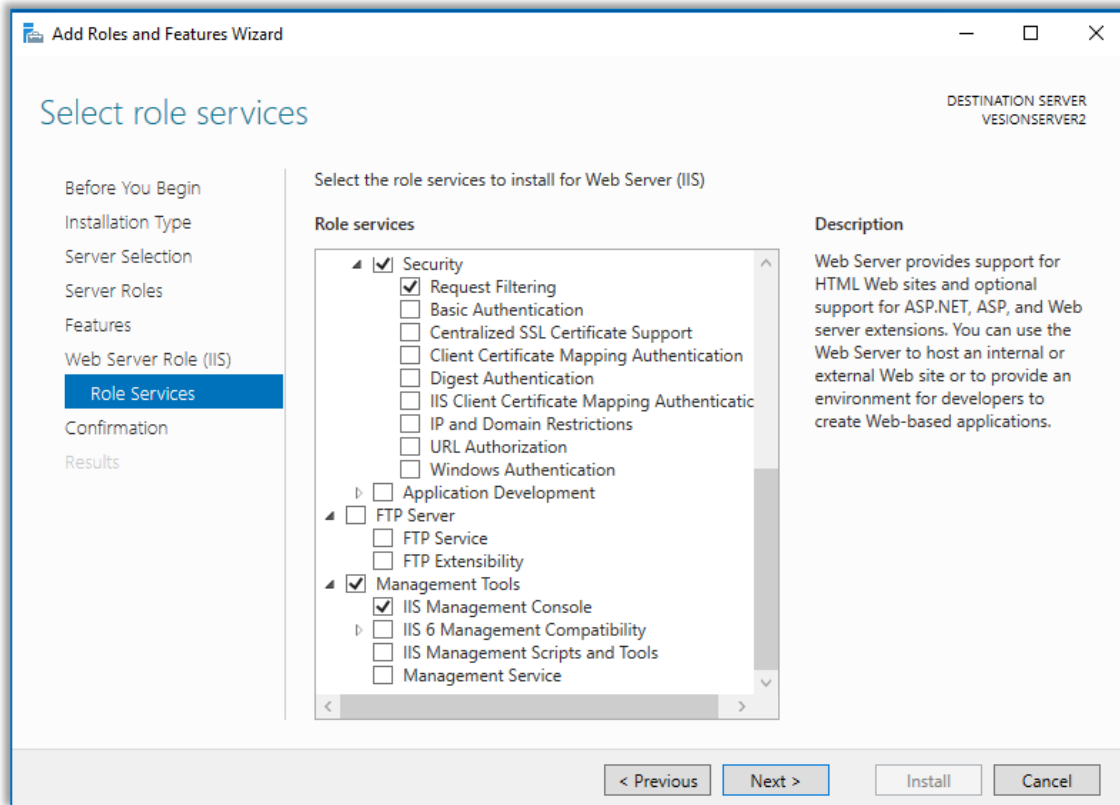
- The telnet client is needed for probe troubleshooting, if needed.



Server Manager

Add Roles and Features

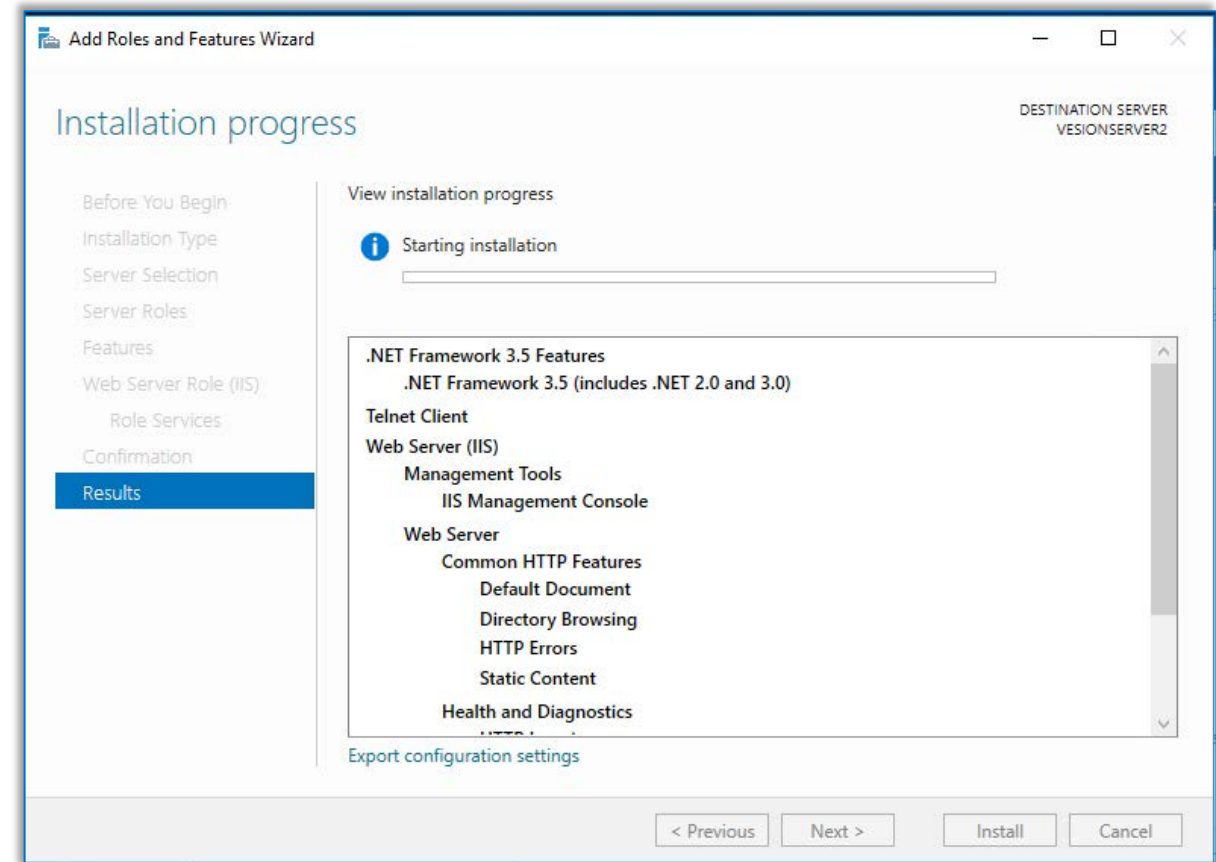
- Check in the Web Server Role (IIS) > Role Services includes Management Tools > IIS Management Console. Then click Next> to continue.



Server Manager

Add Roles and Features

- Click Install in the Confirmation to proceed add the IIS role and the .NET Framework and Telnet Client features. Let it finish the installation.



Open Ports on Windows® Firewall

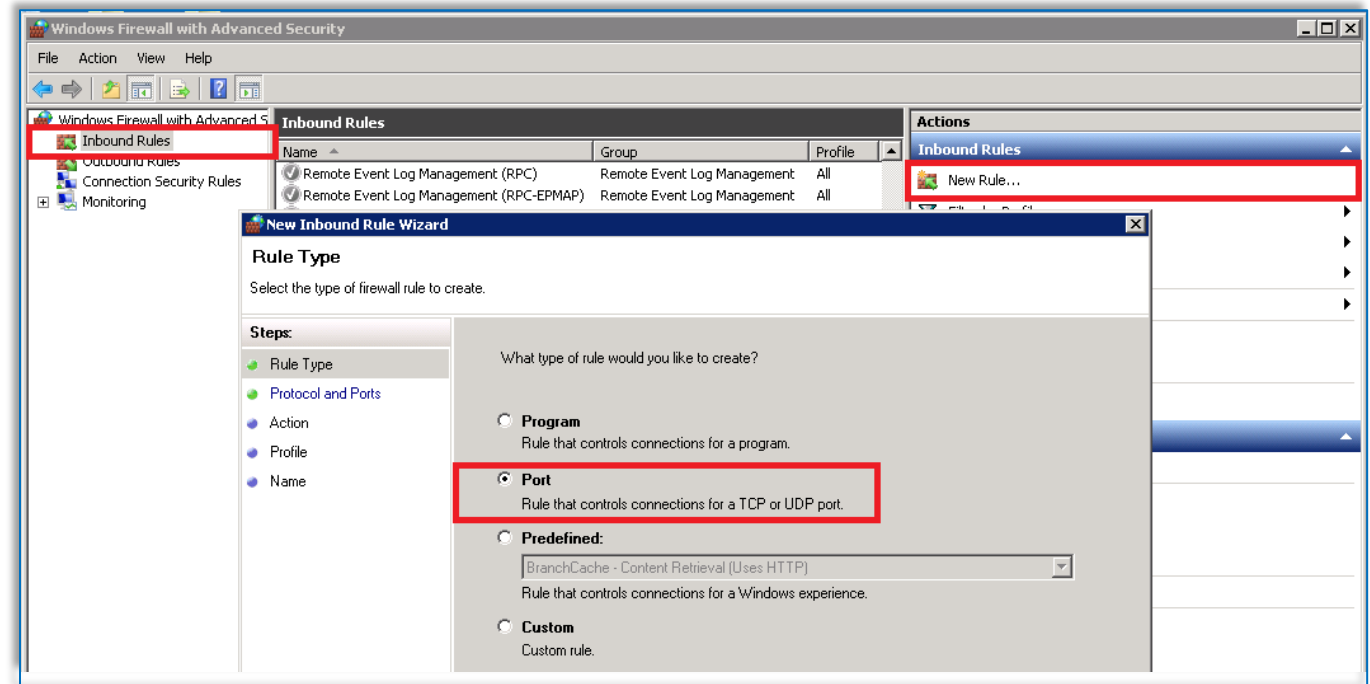
Step 2



Open Required Ports on Windows Firewall

- For the VeSion Server, the following inbound TCP ports need to be opened:
 - Port 80 for http web access
 - Port 4523 for access from HTML5 web client and mobile app
 - Port 40000 for VeSion probe servers to VeSion Server access

- Launch Windows Firewall with Advanced Security
 - Click Inbound Rules at the left pane, then click New Rule... at the right under Actions > Inbound Rules to bring up the Rule setting pop-up.



Open Required Ports on Windows Firewall

Inbound Rules

- Click Inbound Rules at the left pane, then click New Rule... at the right under Actions > Inbound Rules to bring up the Rule setting pop-up.
- Select Port, click Next > to continue then pick Specific local ports and enter the tcp port 80, 4523 and 40000. Click Next > to continue. Select Allow the connection and apply the rule to all three

Does this rule apply to TCP or UDP?

TCP
 UDP

Does this rule apply to all local ports or specific local ports?

All local ports
 Specific local ports:
Example: 80, 443, 5000-5010

When does this rule apply?

Domain
Applies when a computer is connected to its corporate domain.

Private
Applies when a computer is connected to a private network location.

Public
Applies when a computer is connected to a public network location.

What action should be taken when a connection matches the specified conditions?

Allow the connection
This includes connections that are protected with IPsec as well as those are not.

Open Required Ports on Windows Firewall

Inbound Rules

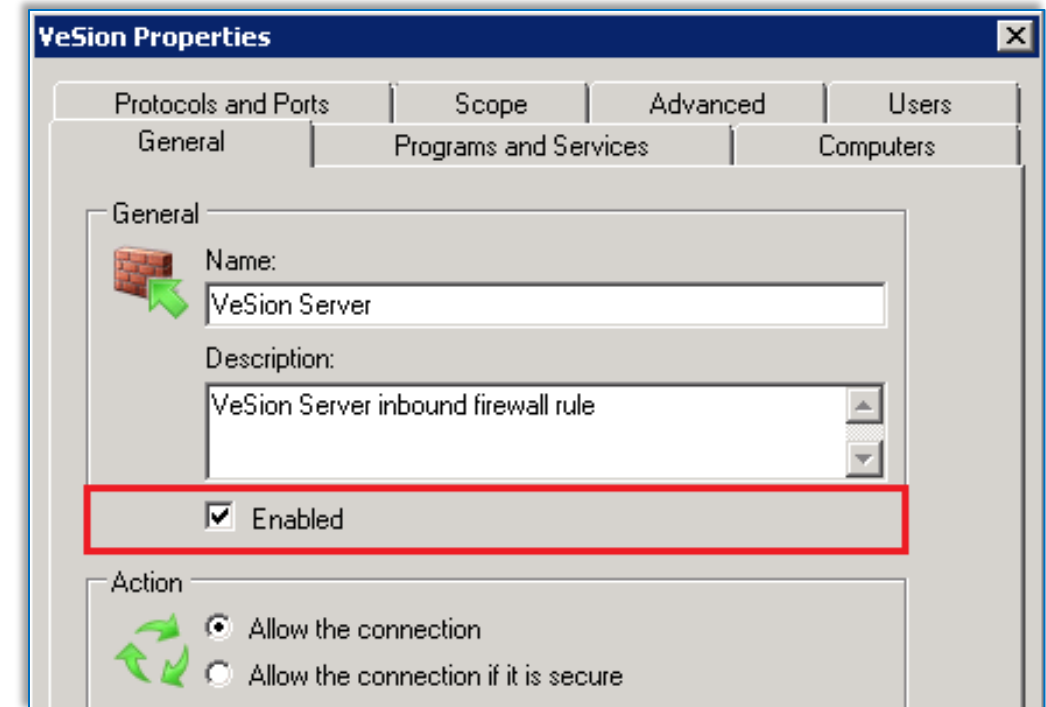
- Apply the rule to Domain, Private and Public networks
- In the next screen enter VeSion Server for the Name and a short statement, e.g. VeSion Server inbound firewall rule for the Description.
- Make sure that the rule is enabled, then click Apply.

When does this rule apply?

Domain
Applies when a computer is connected to its corporate domain.

Private
Applies when a computer is connected to a private network location.

Public
Applies when a computer is connected to a public network location.



VeSion Properties

Protocols and Ports | Scope | Advanced | Users

General | Programs and Services | Computers

General

Name: VeSion Server

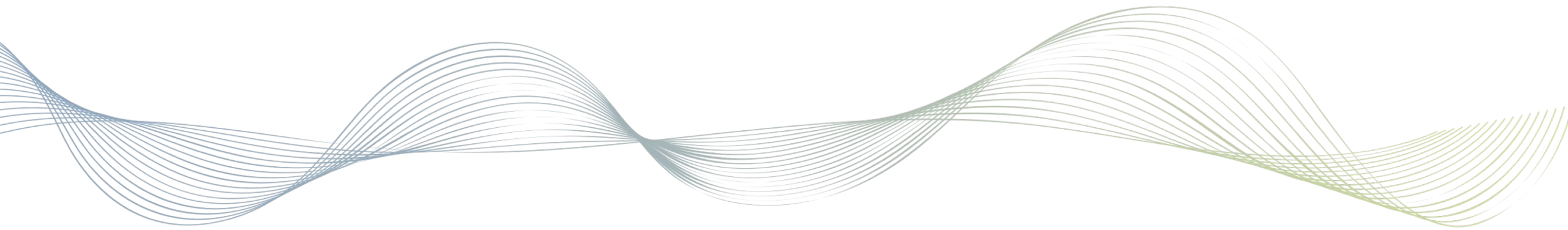
Description: VeSion Server inbound firewall rule

Enabled

Action

Allow the connection

Allow the connection if it is secure



Installing MySQL

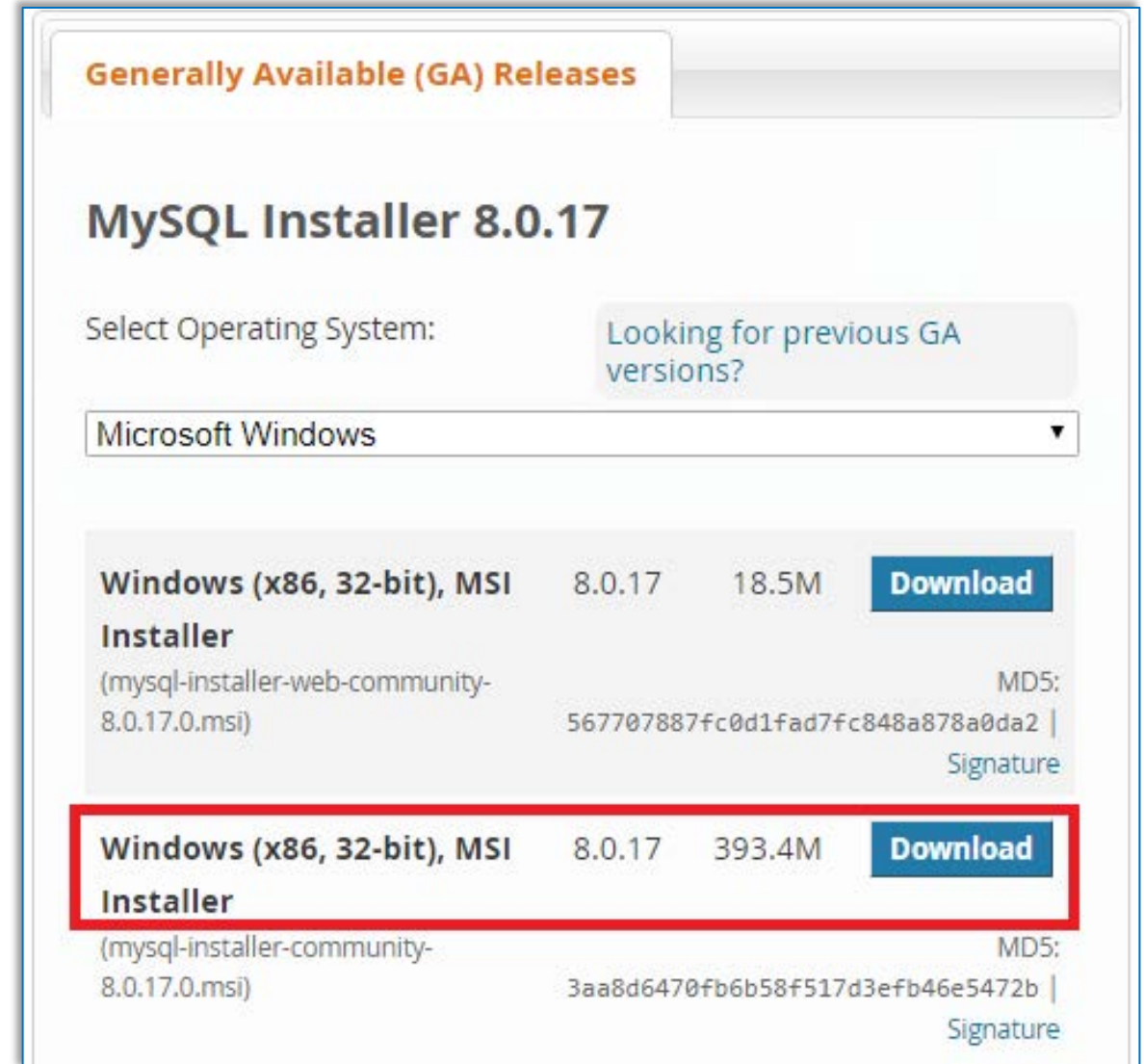
Step 3



MySQL Installer

Download

- Download MySQL Installer for Windows for MySQL Community Server from
 - <https://dev.mysql.com/downloads/mysql/>
 - Download the mysql-installer-community version, which has a large file size and keep a copy on the server. this way if there is a need to reinstall/reconfigure MySQL Server or Workbench the software is readily available.



Generally Available (GA) Releases

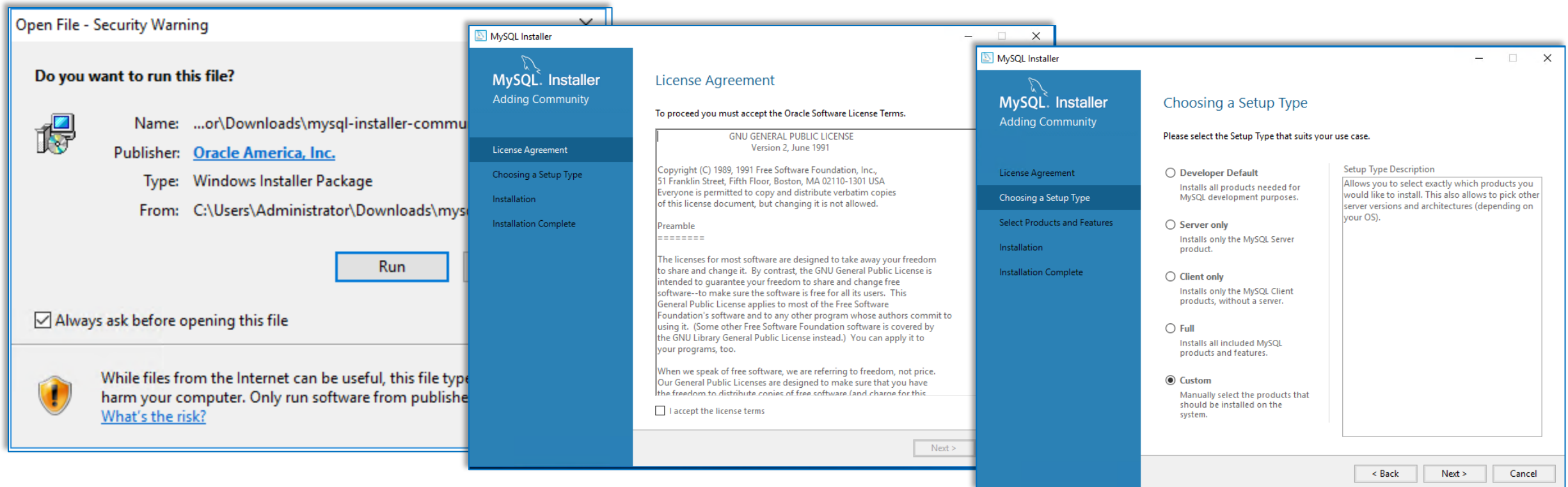
MySQL Installer 8.0.17

Select Operating System: Looking for previous GA versions?

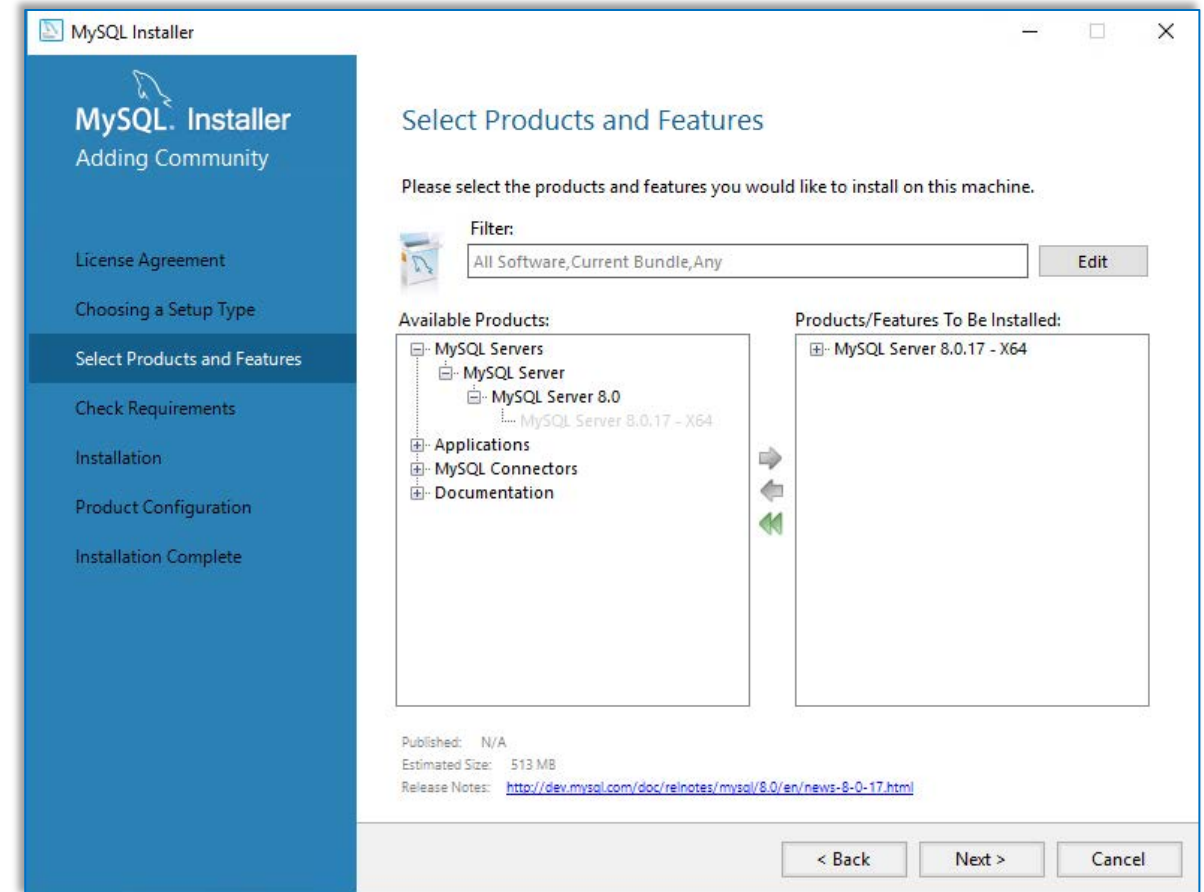
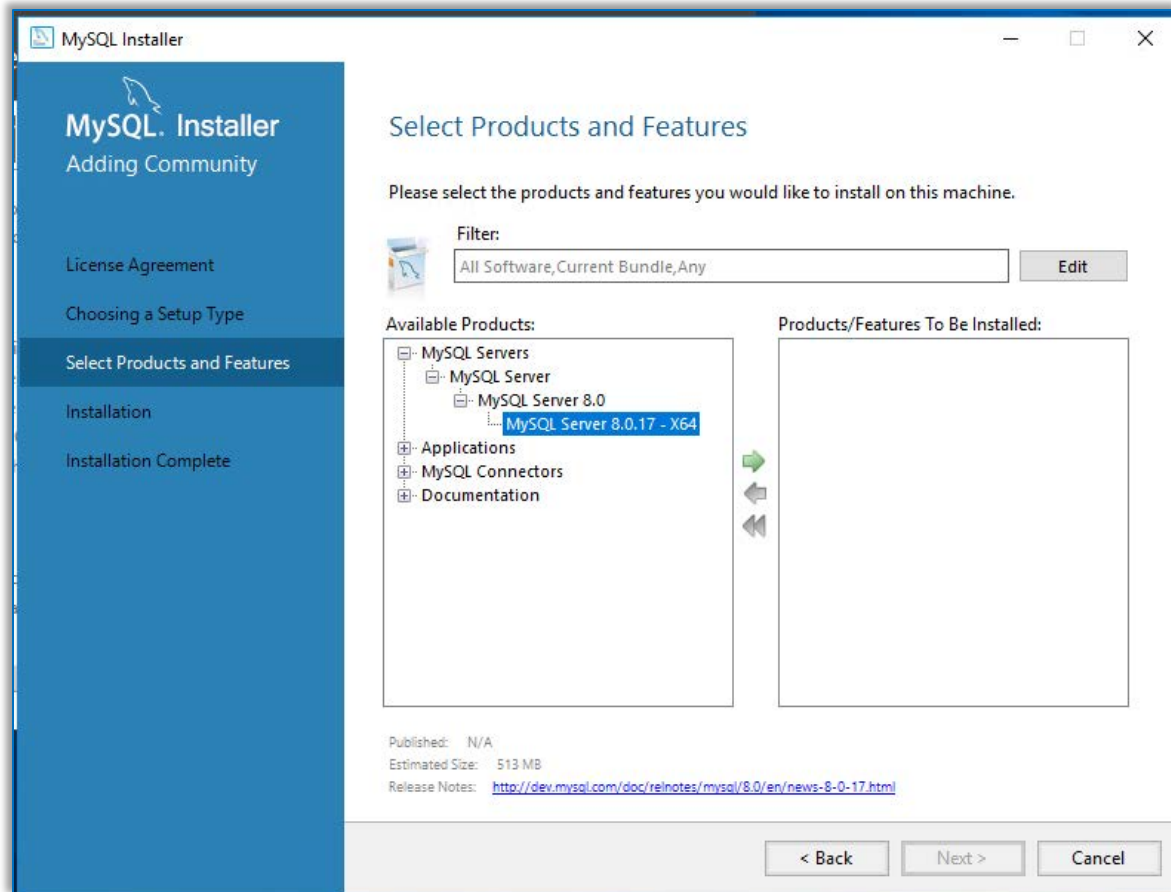
Microsoft Windows

Windows (x86, 32-bit), MSI Installer (mysql-installer-web-community-8.0.17.0.msi)	8.0.17	18.5M	Download	MD5: 567707887fc0d1fad7fc848a878a0da2 Signature
Windows (x86, 32-bit), MSI Installer (mysql-installer-community-8.0.17.0.msi)	8.0.17	393.4M	Download	MD5: 3aa8d6470fb6b58f517d3efb46e5472b Signature

- Run the installer and choose Customs as the Setup Type



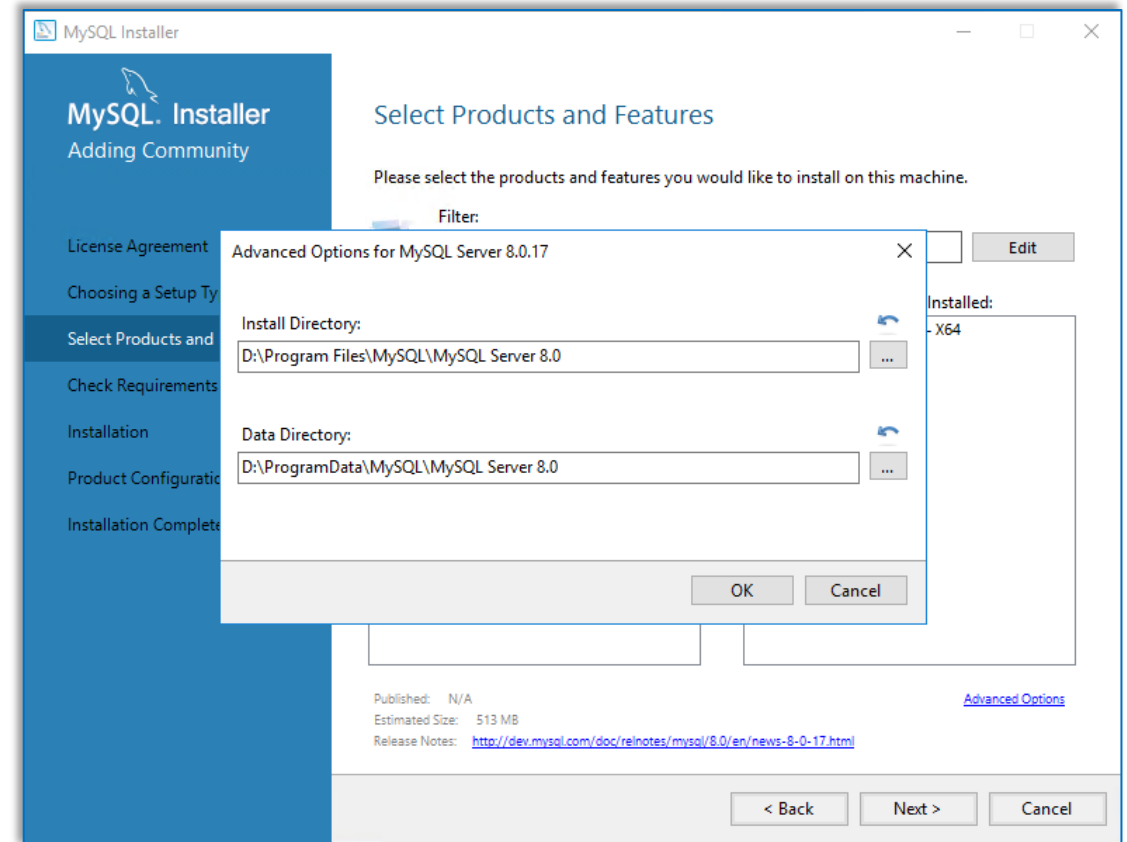
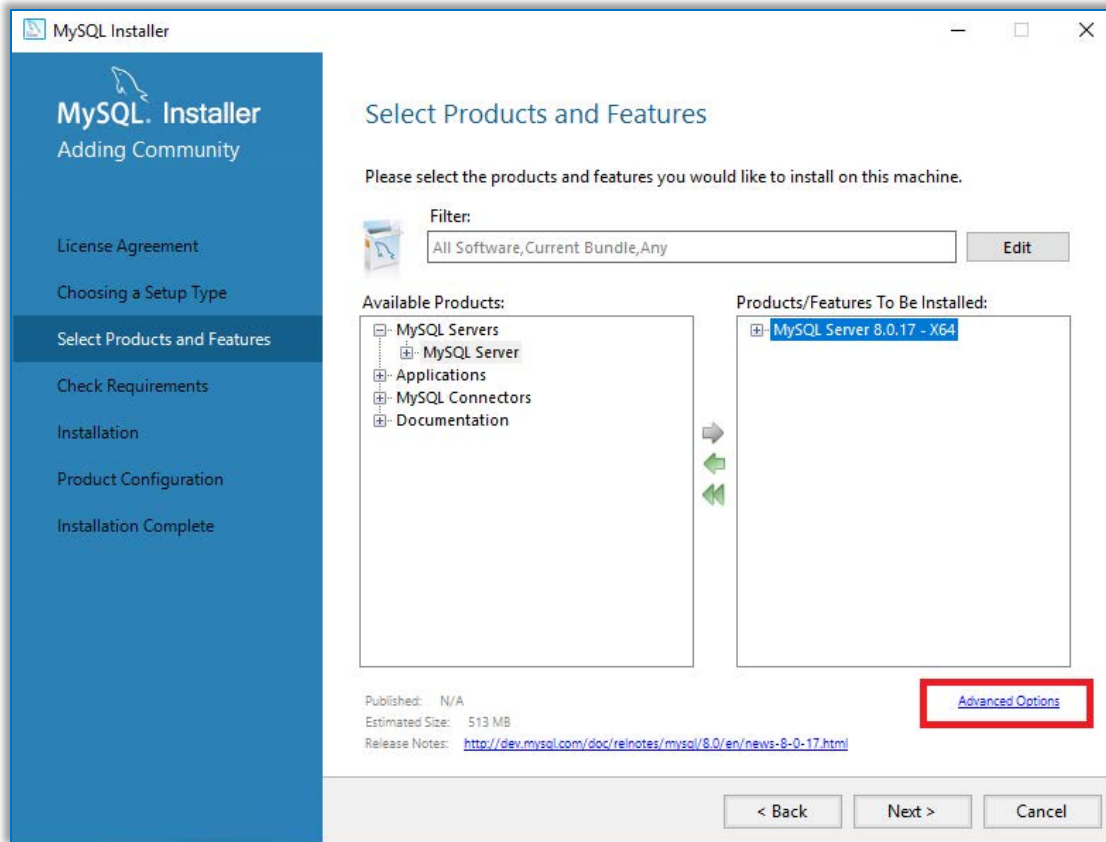
- Expand the MySQL Servers tree and select the MySQL Server version available to install.



MySQL Installation

MySQL server installation location

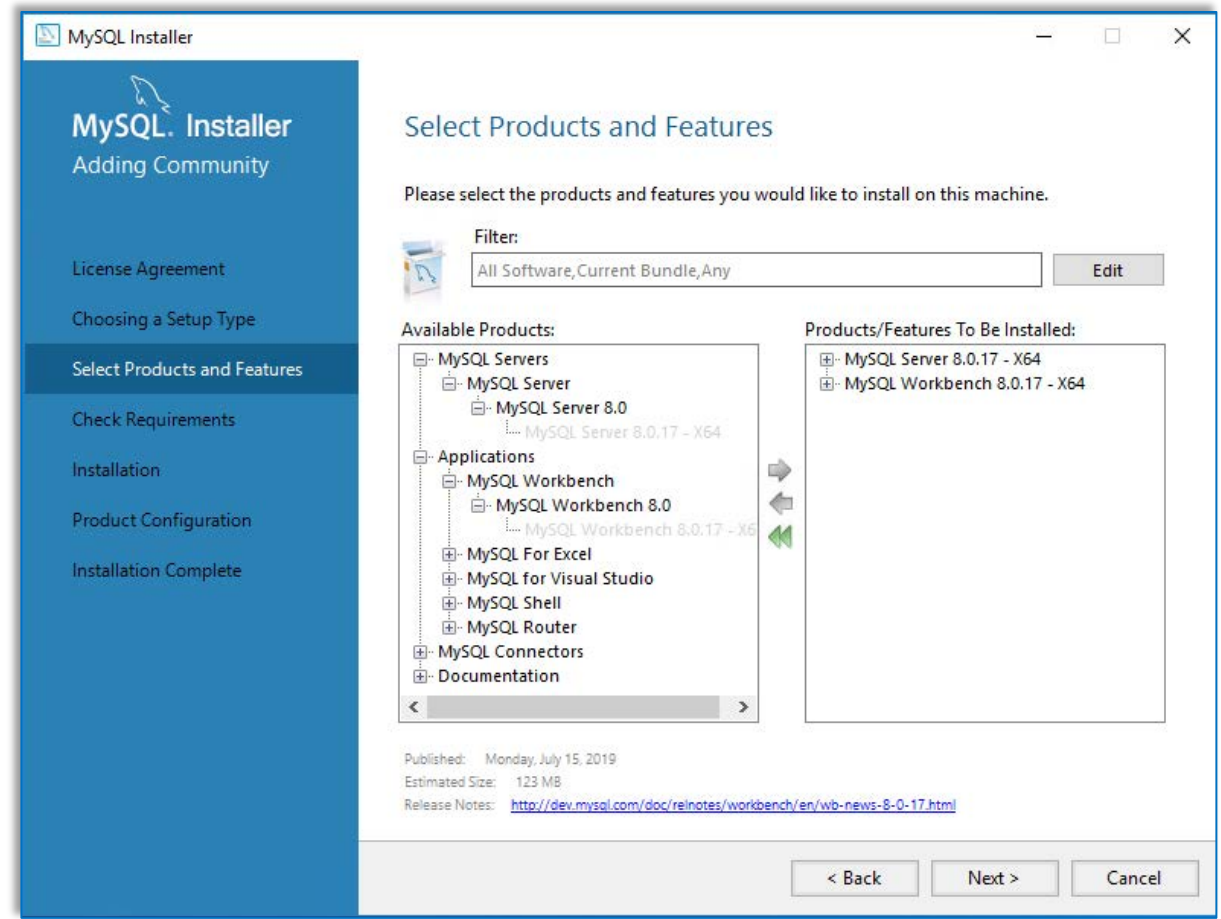
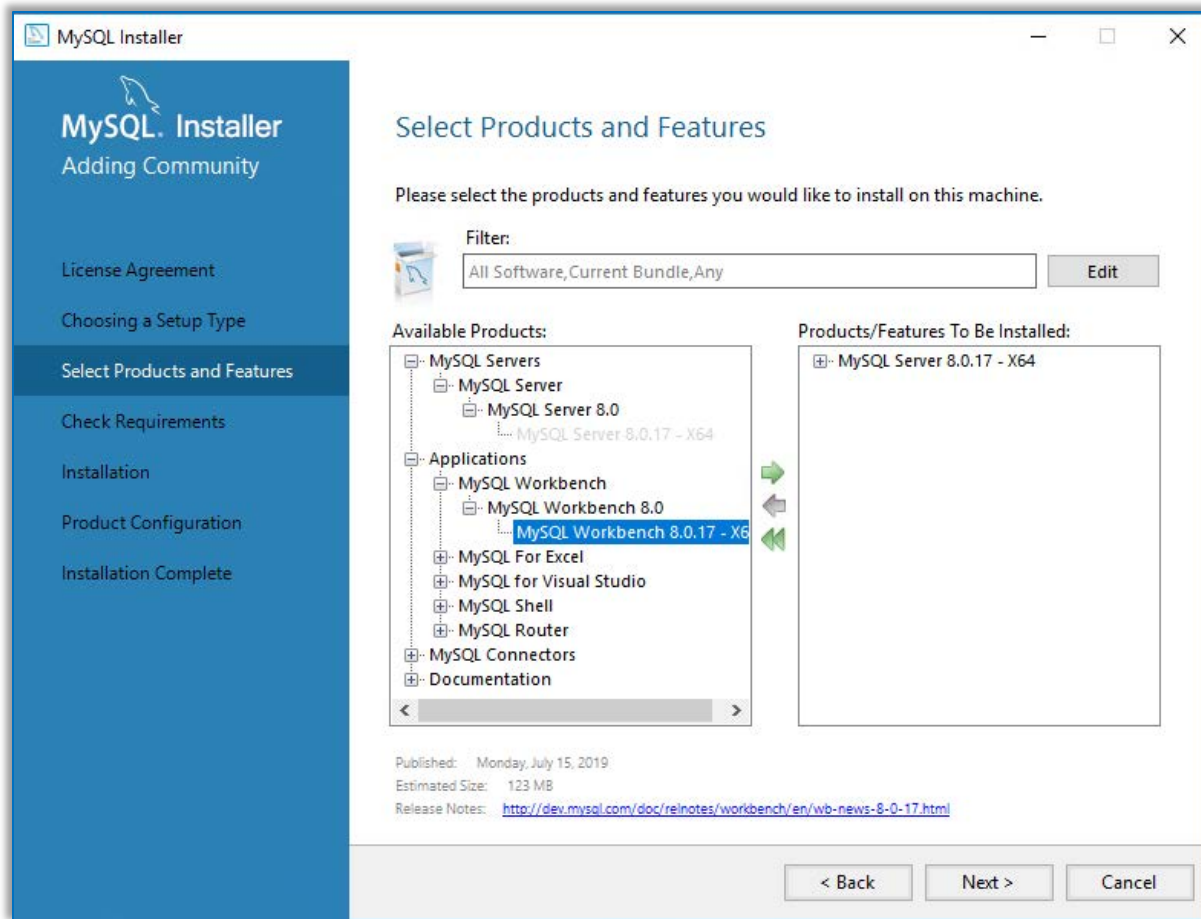
- Highlight MySQL Server in the Products/Features To be Installed section
- Click Advanced Options to bring up the Install Directory and Data Directory. Change the directory as appropriate. In our example, drive D: is used for the installation.



MySQL Installation

Add Workbench application

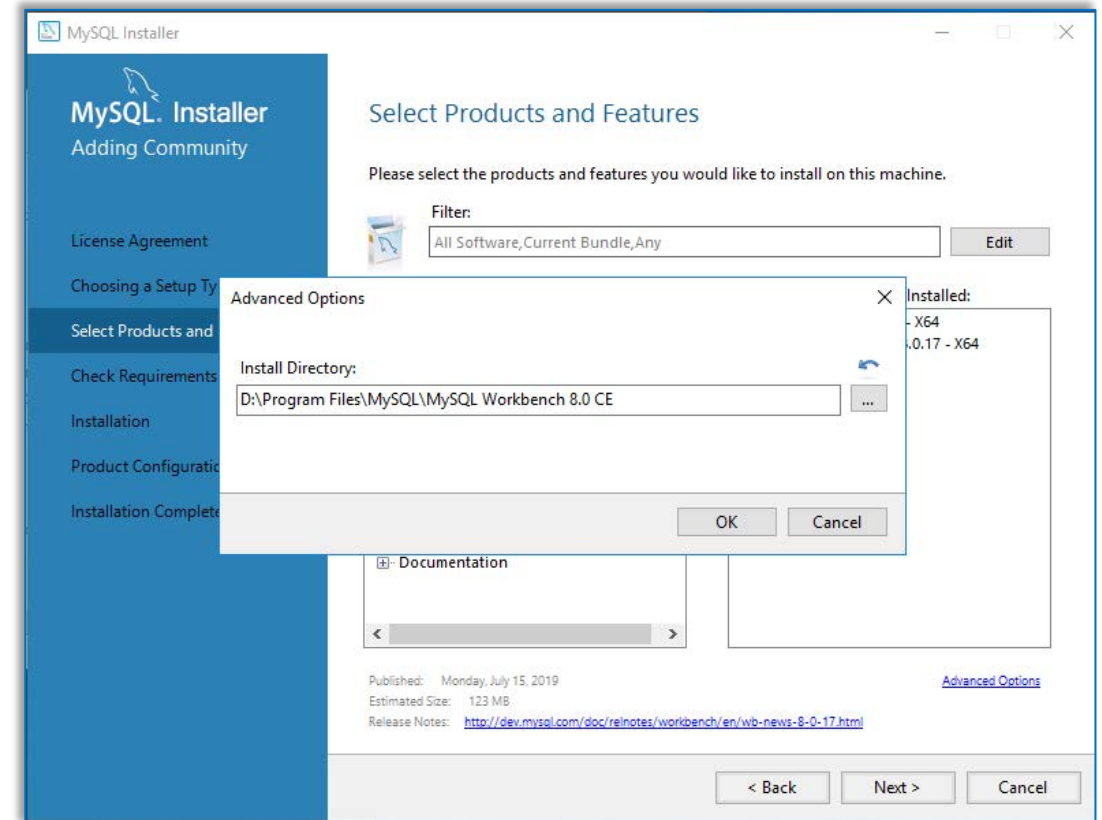
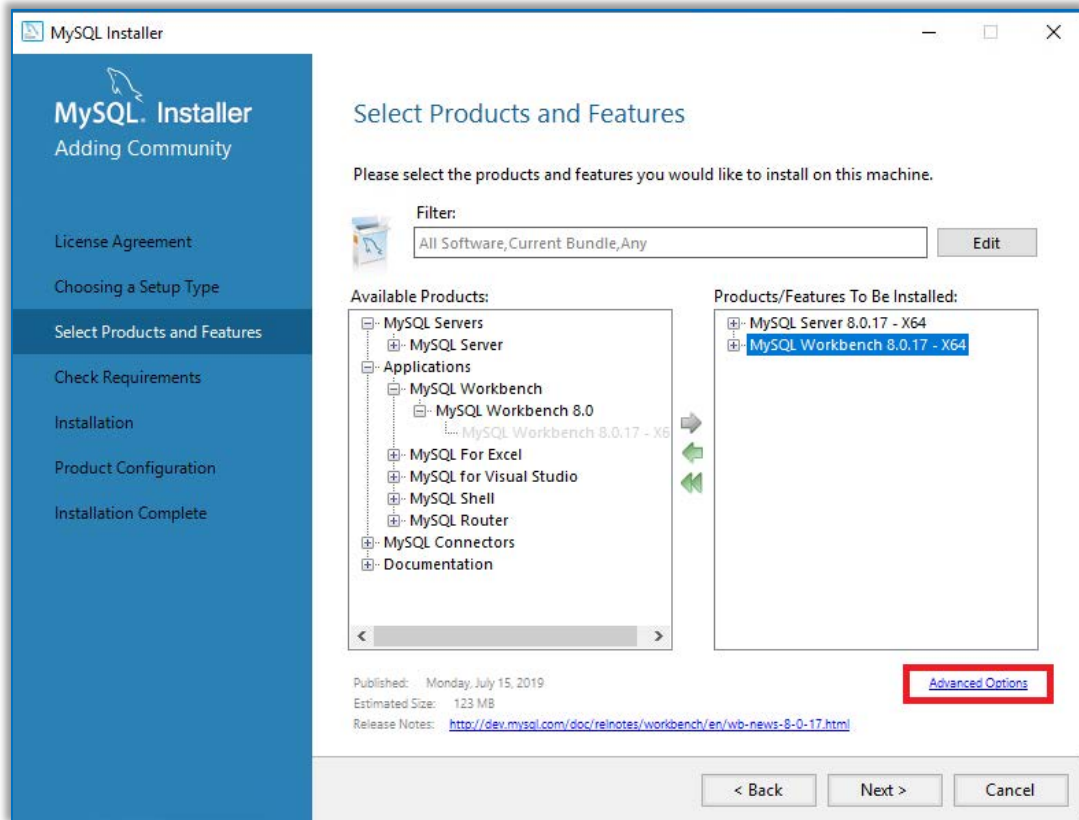
- Expand the Applications tree and navigate to the MySQL Workbench



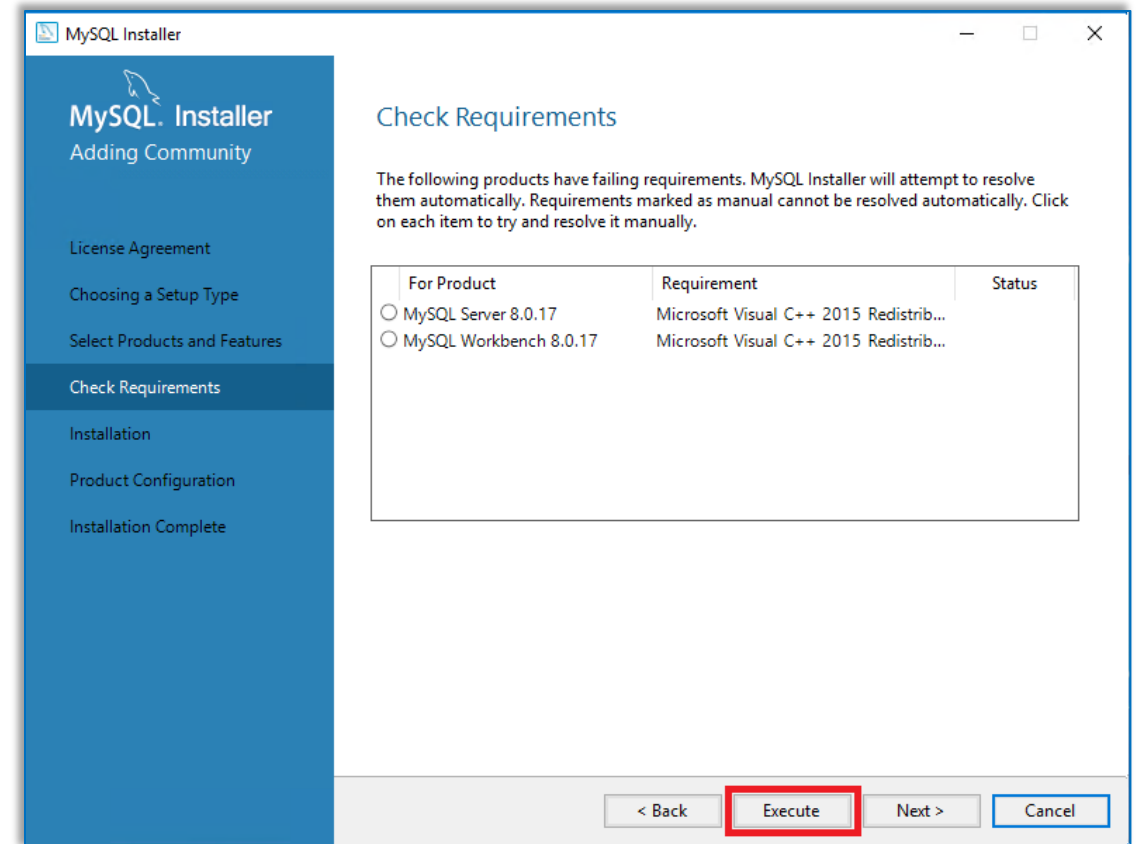
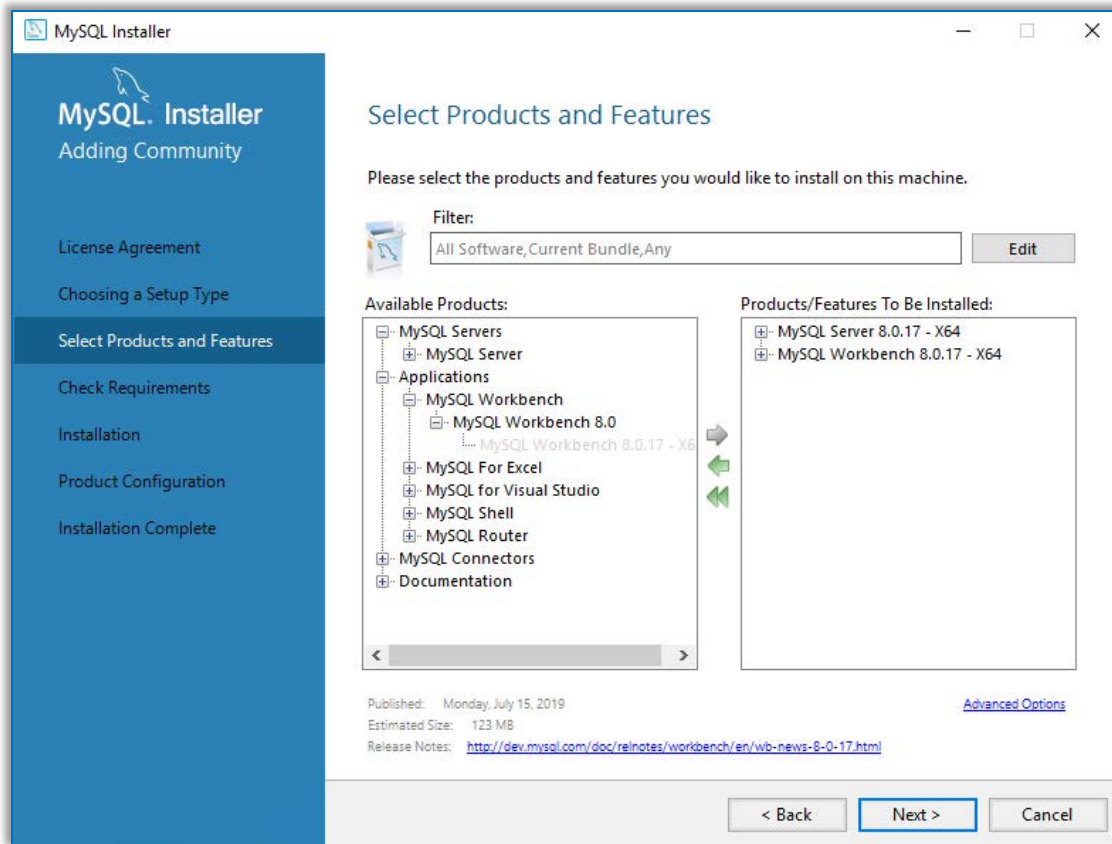
MySQL installation

Workbench installation location

- Select MySQL Workbench in the Products/Features To Be Installed section.
- Click Advanced Options and change the directory as appropriate. Change the directory as appropriate. In our example, drive D: is used for the installation.



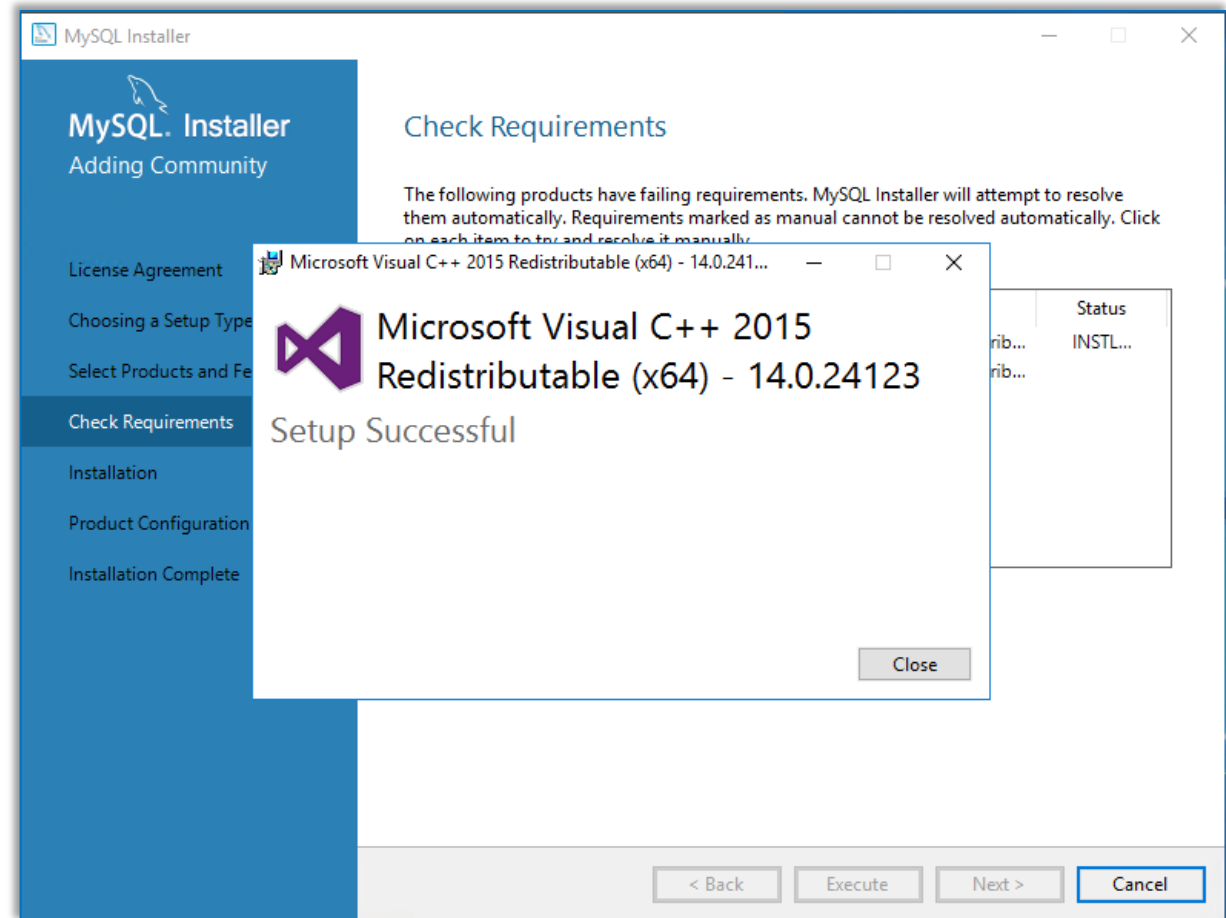
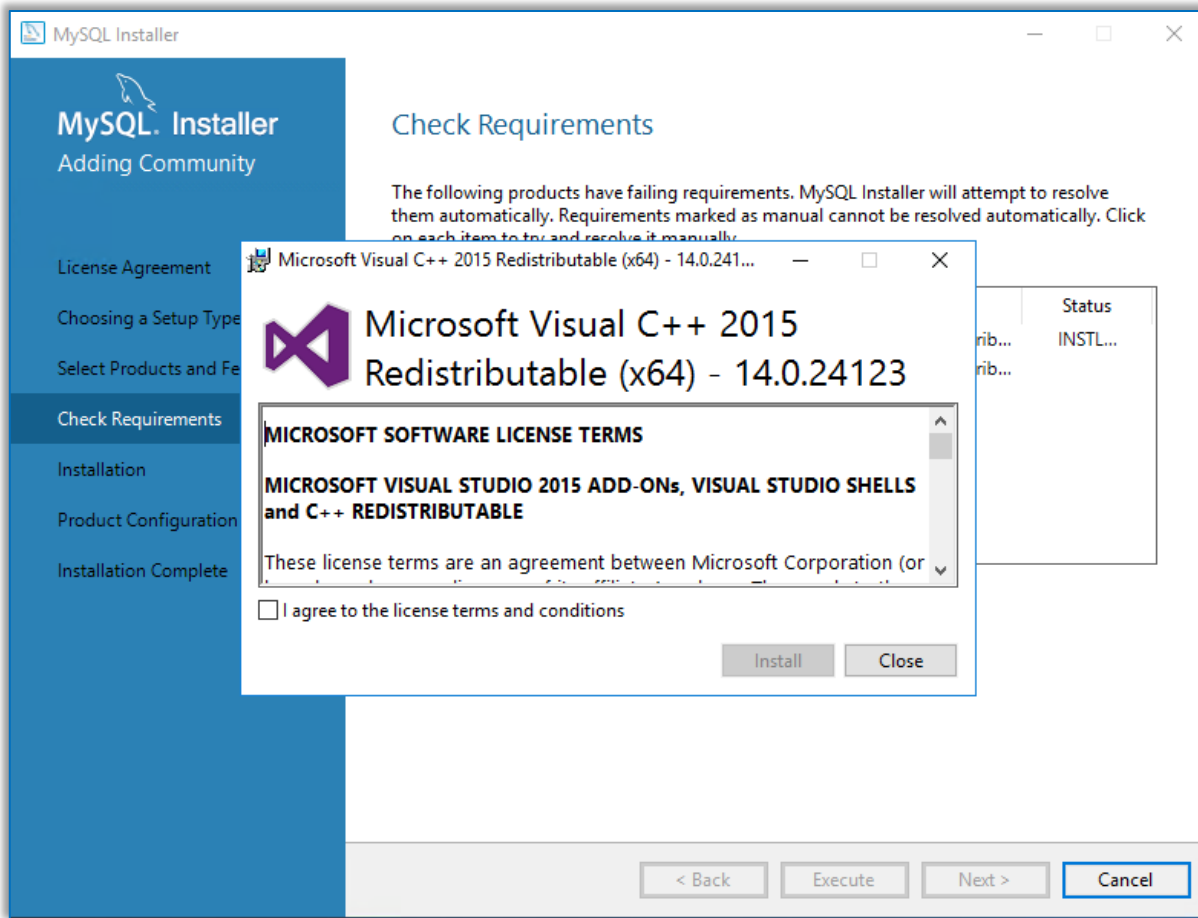
- Click Next > to proceed. The installer will check if the Microsoft Visual C++ redistribution required is already installed in the system and provides the relevant requirement. Click Execute and the installer will attempt to download and install the required redistribution software.



MySQL Installation

Visual C++ Redistribution

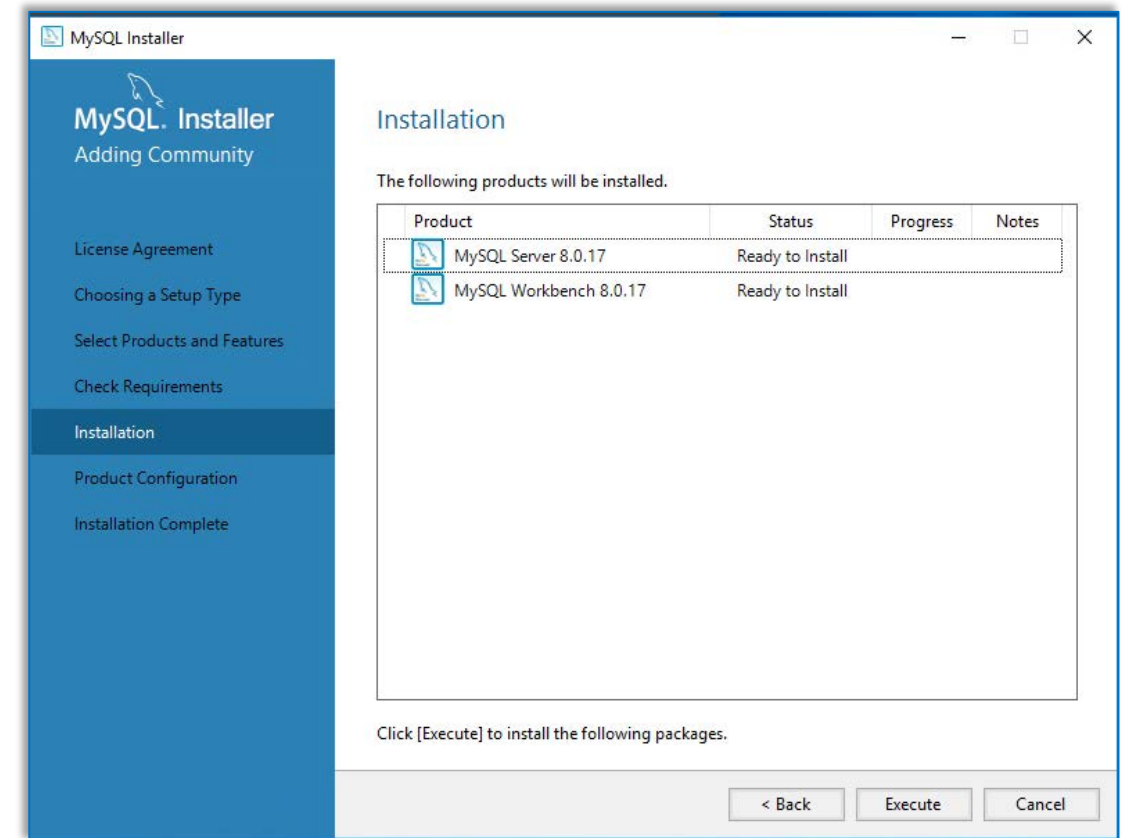
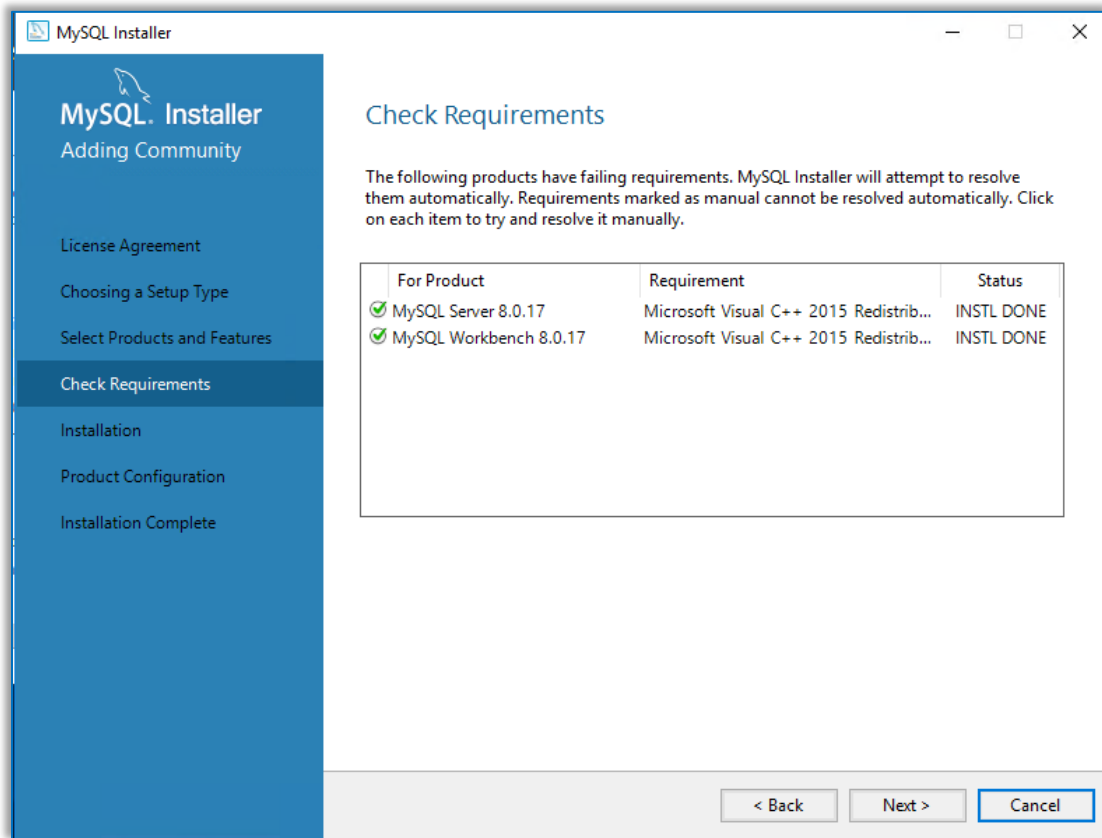
- Accept the agreement and click Install to proceed.



MySQL Installation

Visual C++ Redistribution

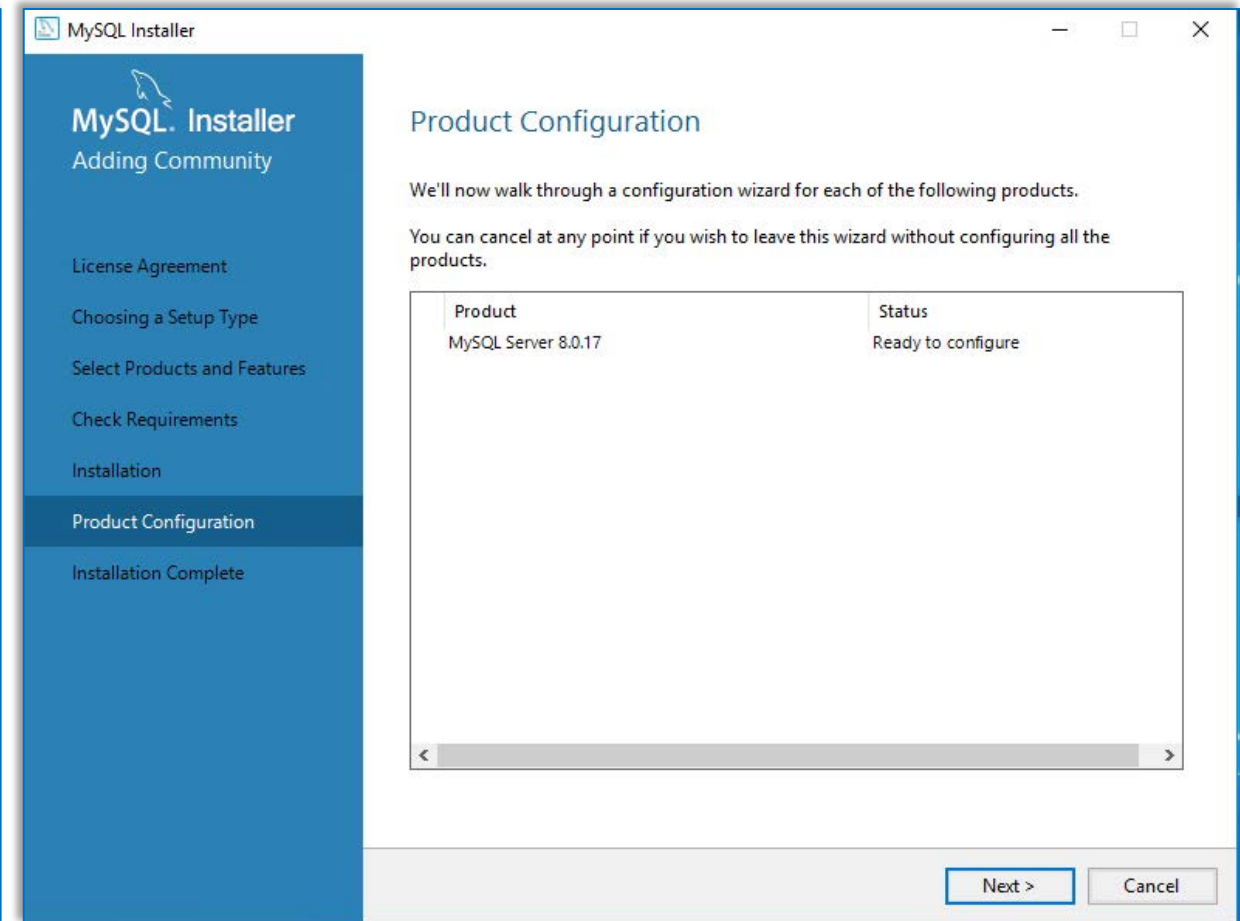
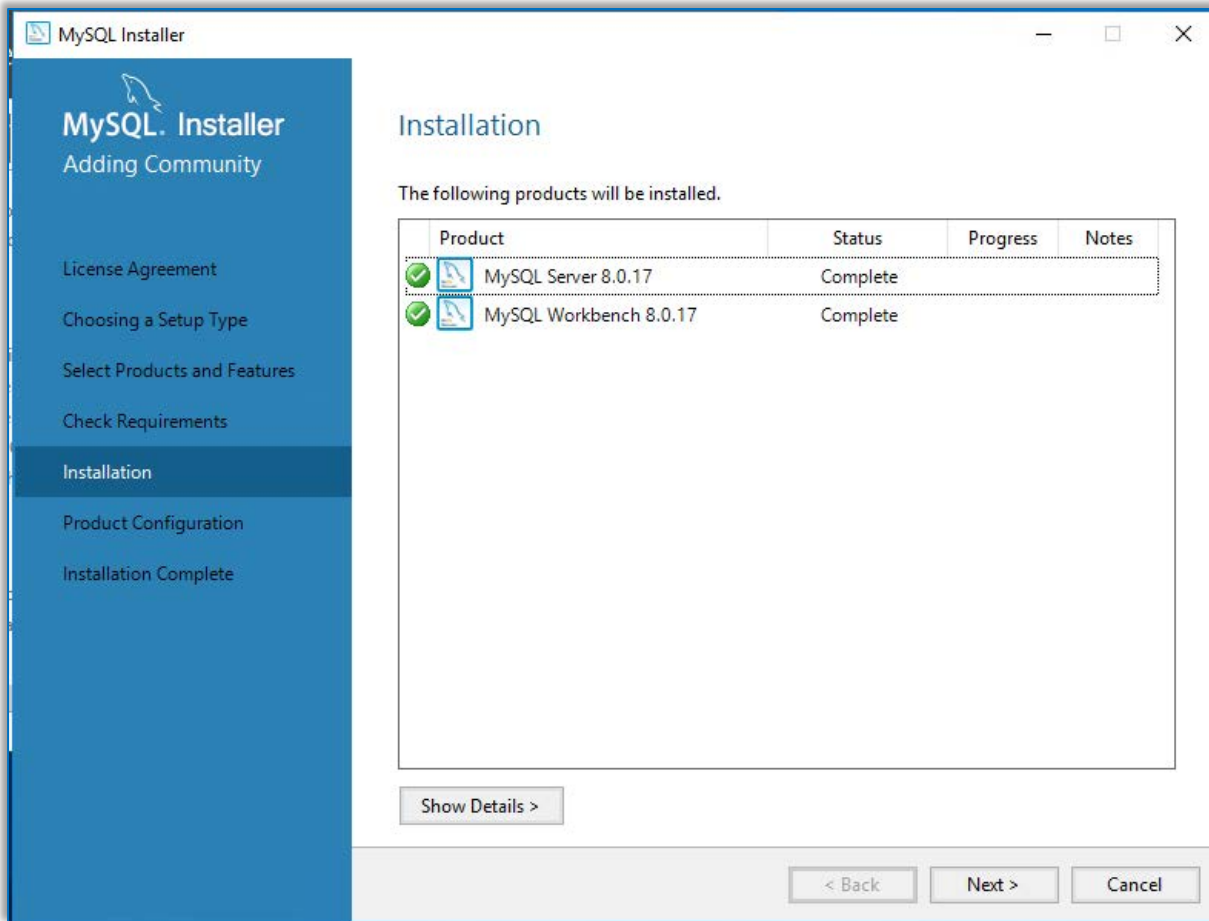
- Click Next > to verify the prerequisite of the installation has been met that the MySQL Server and MySQL Workbench are ready to install.
- Click Execute to continue the installation.



MySQL Installation

Installation completed

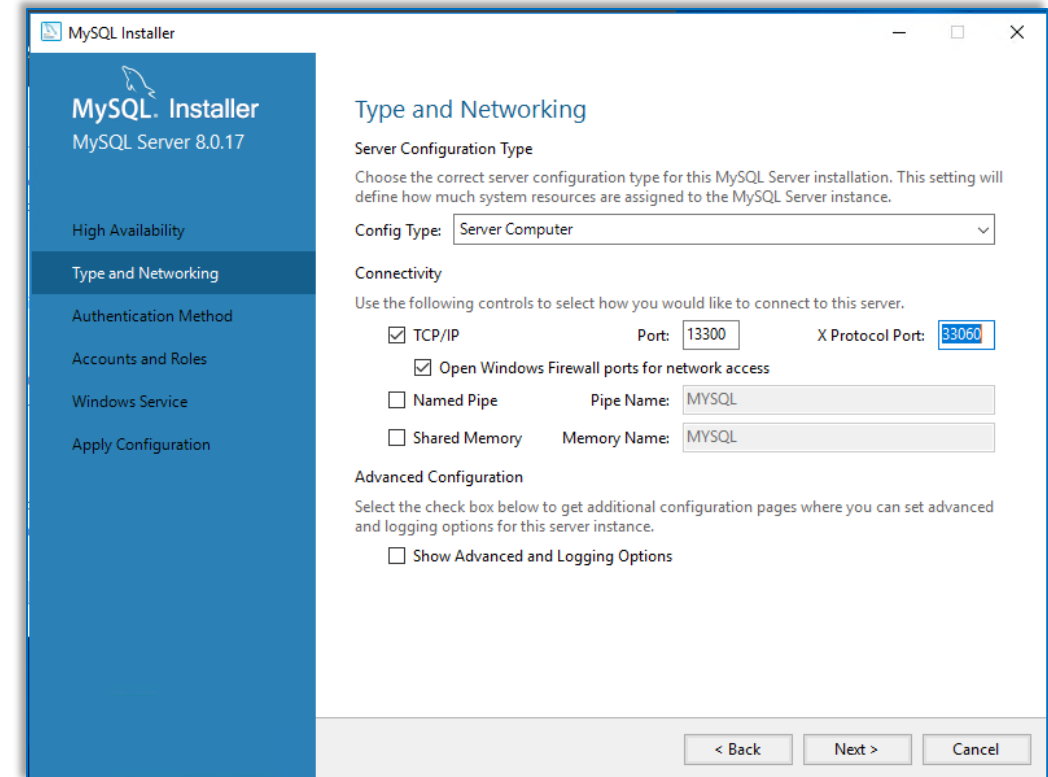
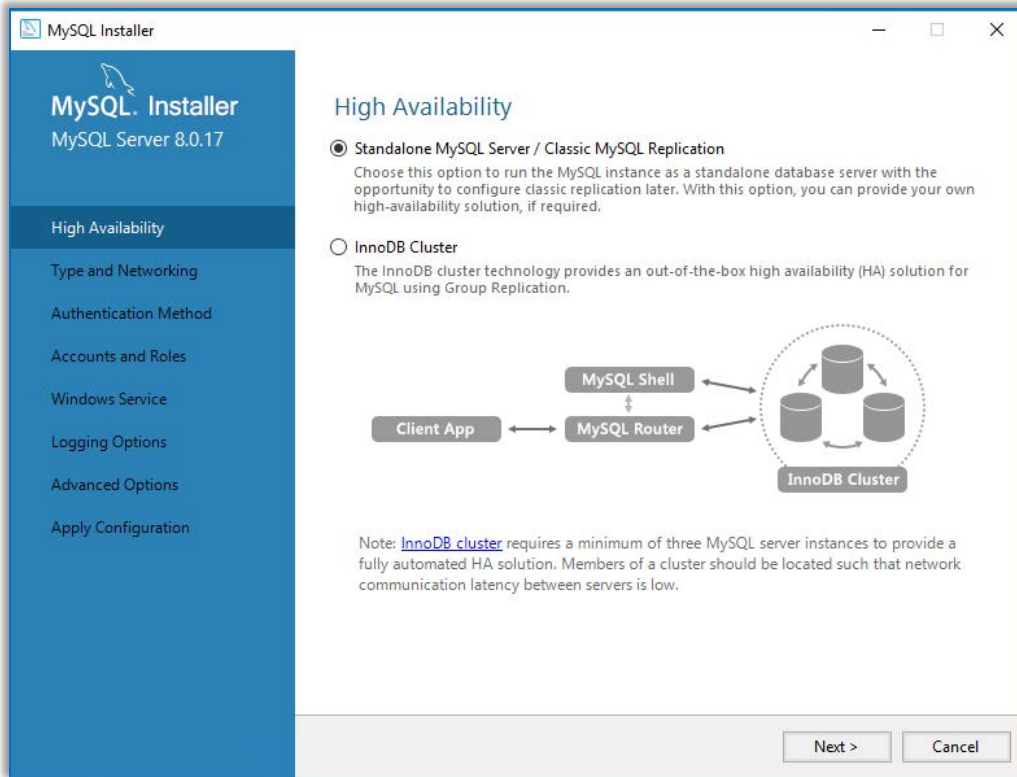
- Once the installation has been completed, the next step is to configure the MySQL Server.



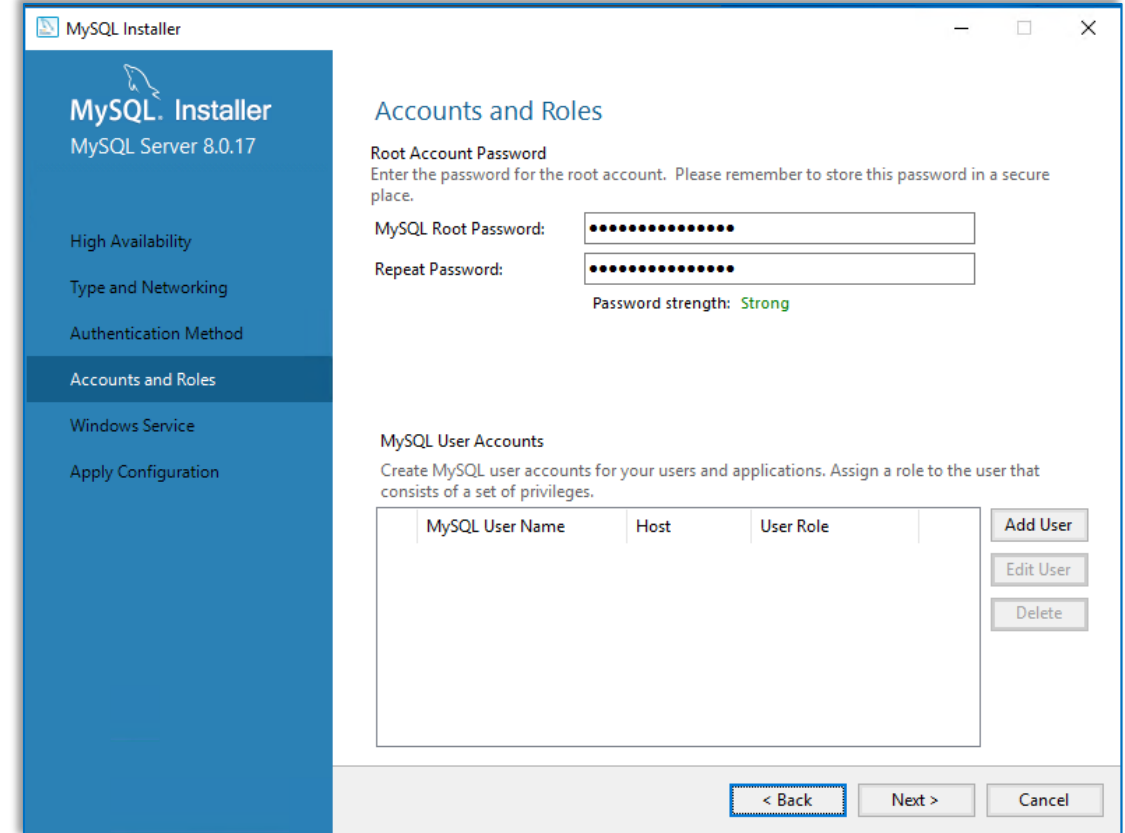
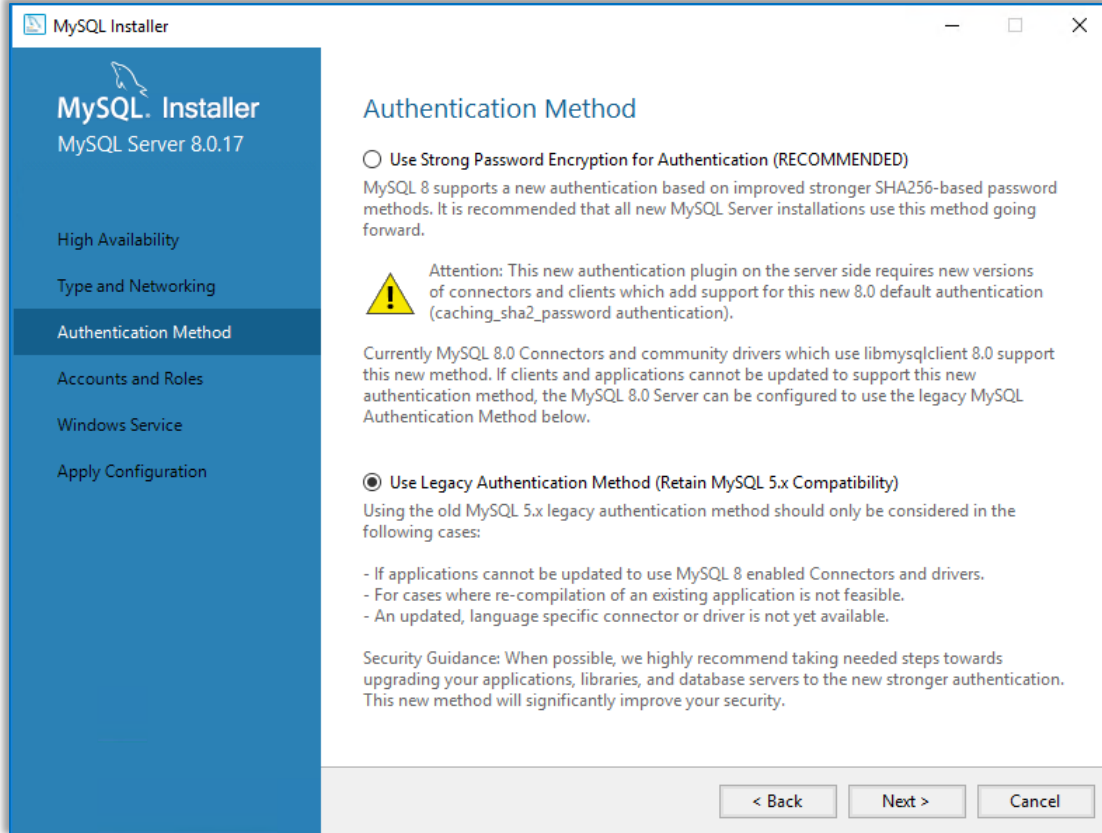
MySQL Server

Basic configuration

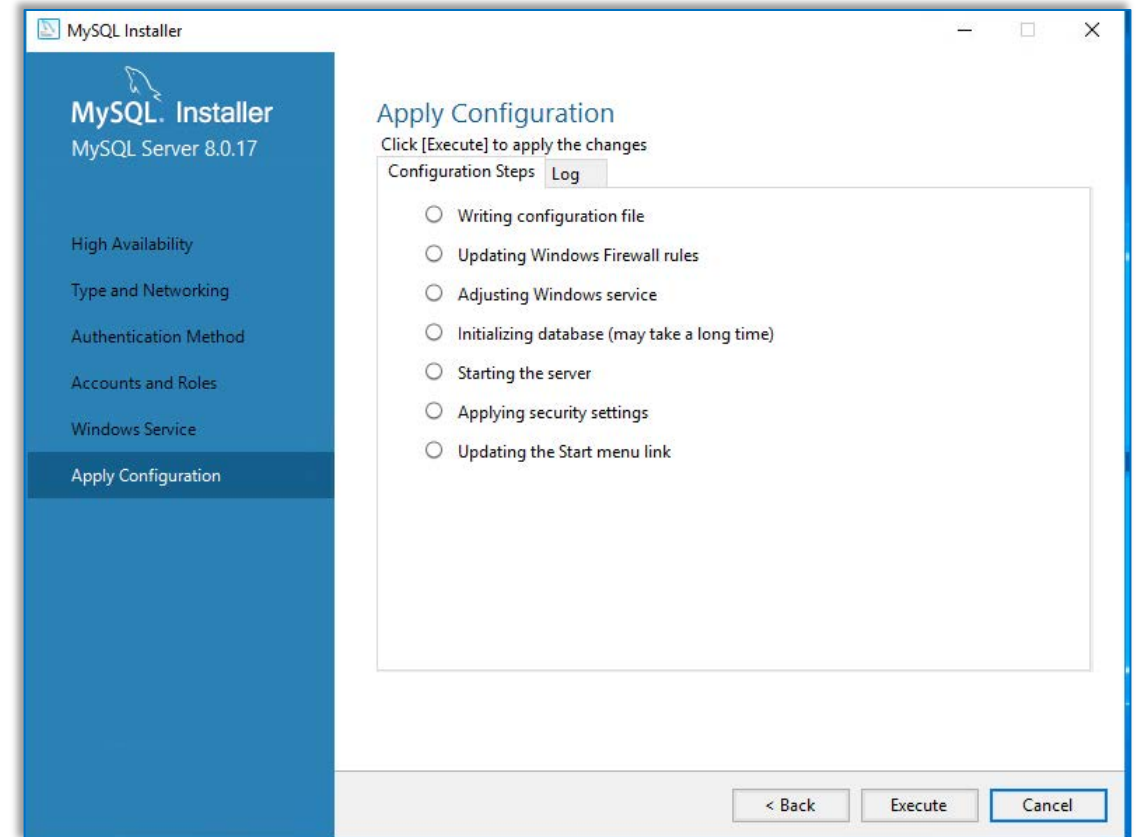
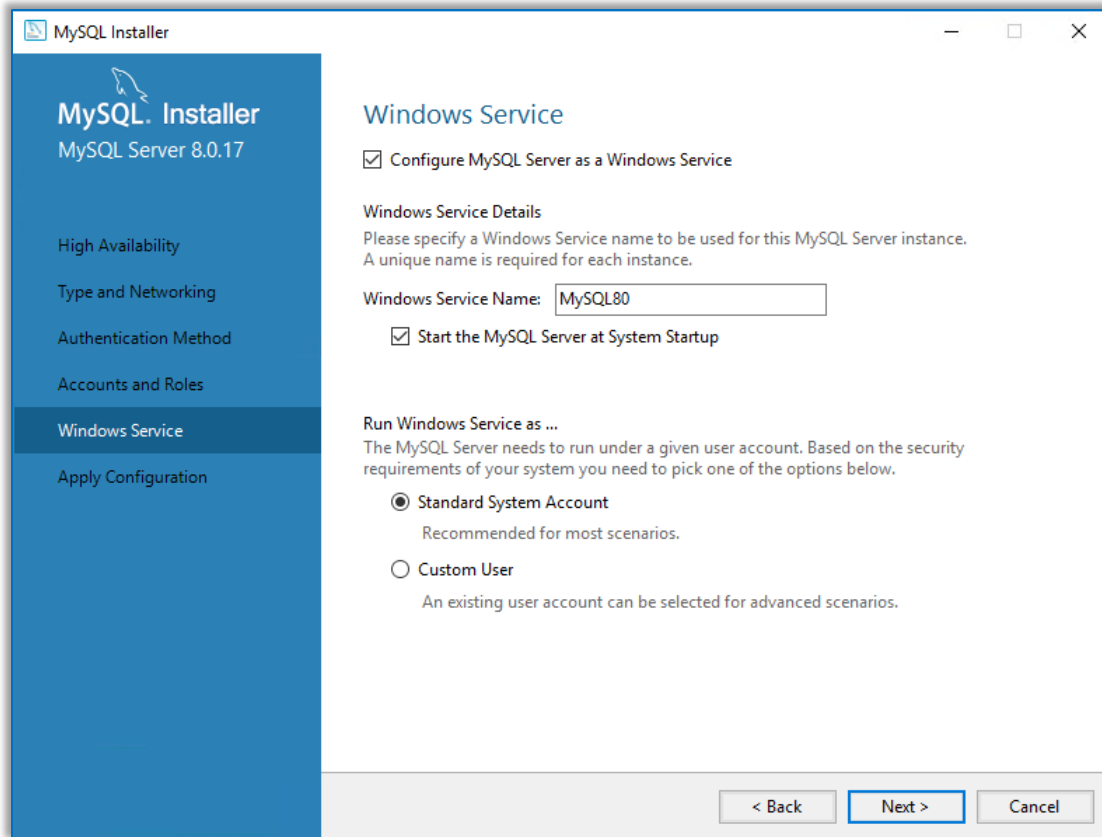
- Select Standalone MySQL Server / Classic MySQL Replication.
- Use the below settings for Type and Networking configuration
 - Config Type: Server Computer
 - TCP/IP Port: 13300



- Select Use Legacy Authentication Method. Click Next to continue
- Set the MySQL Root Password. Safe keep this root password and is needed to reconfigure MySQL and perform database export and import, if needed.



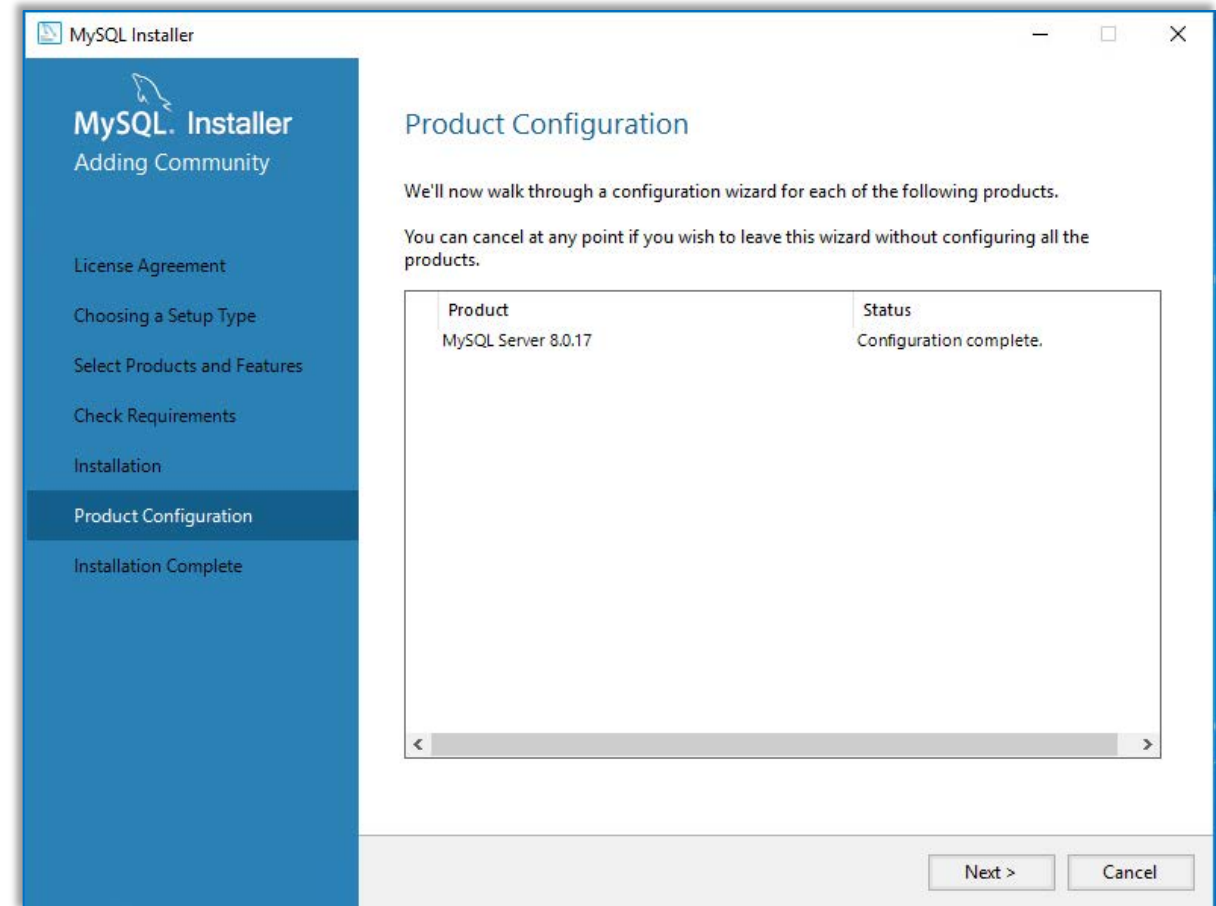
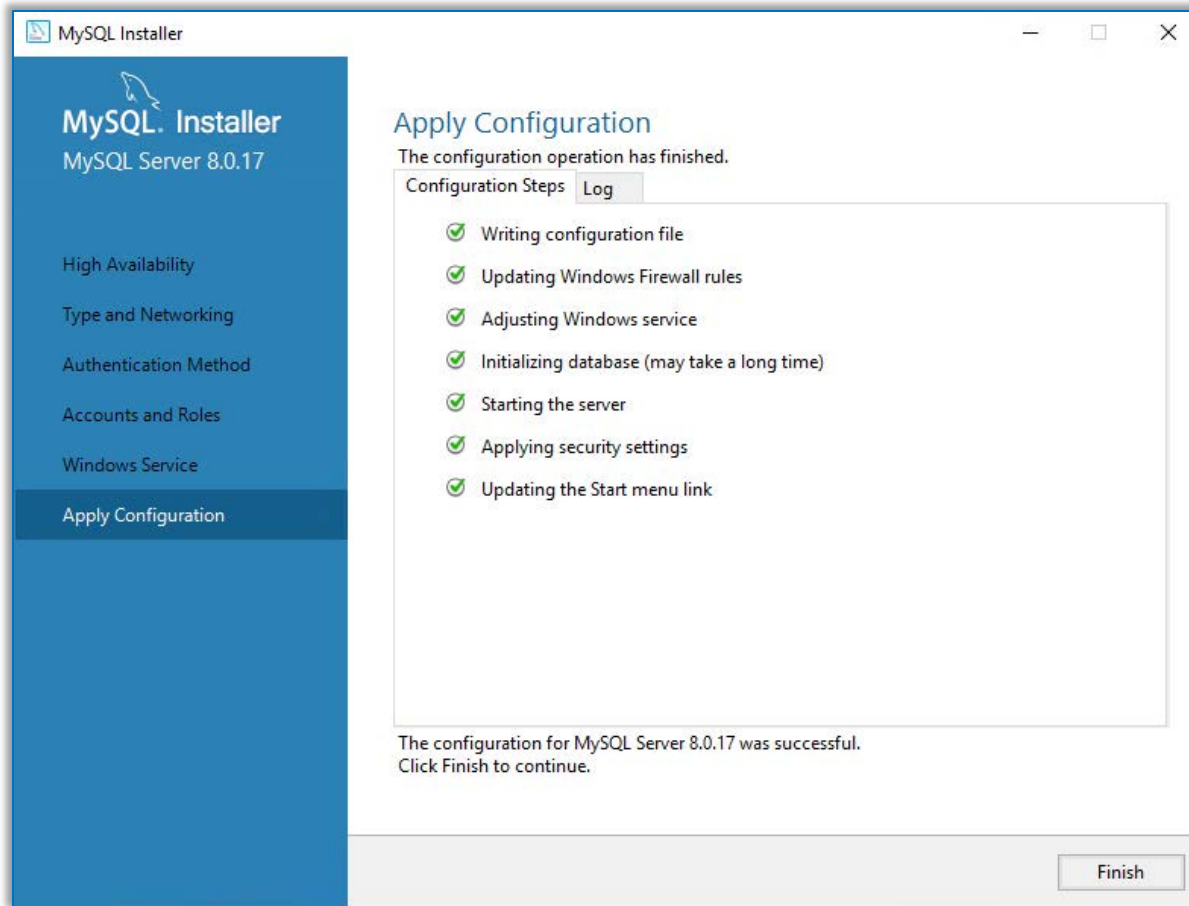
- Take note of the default Windows Service Name make sure that the MySQL Server starts at Windows system startup.
- Click Execute to apply and complete the configuration.



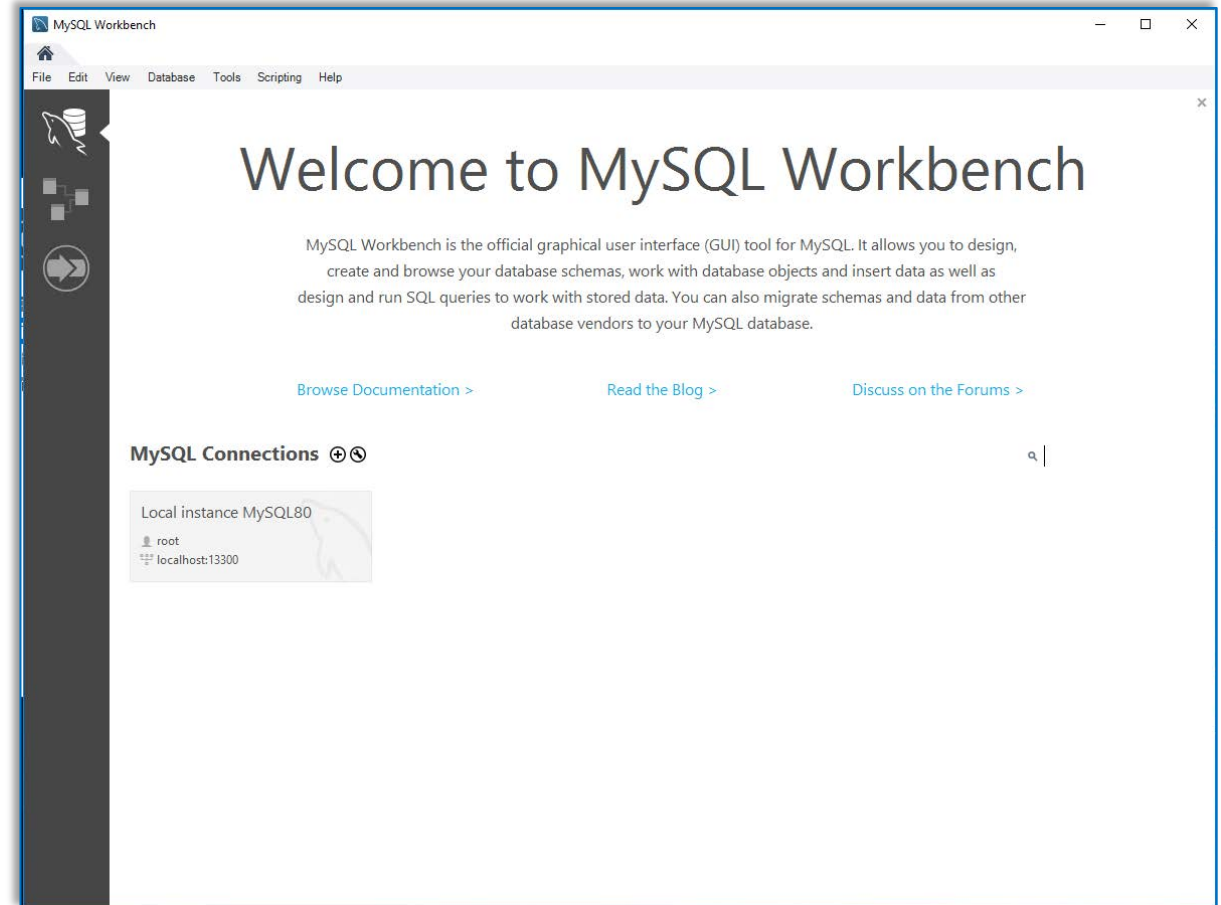
MySQL Server

Basic configuration

- At this point the basic configuration of MySQL is complete.
- Click Next to finish and it will bring up Workbench.



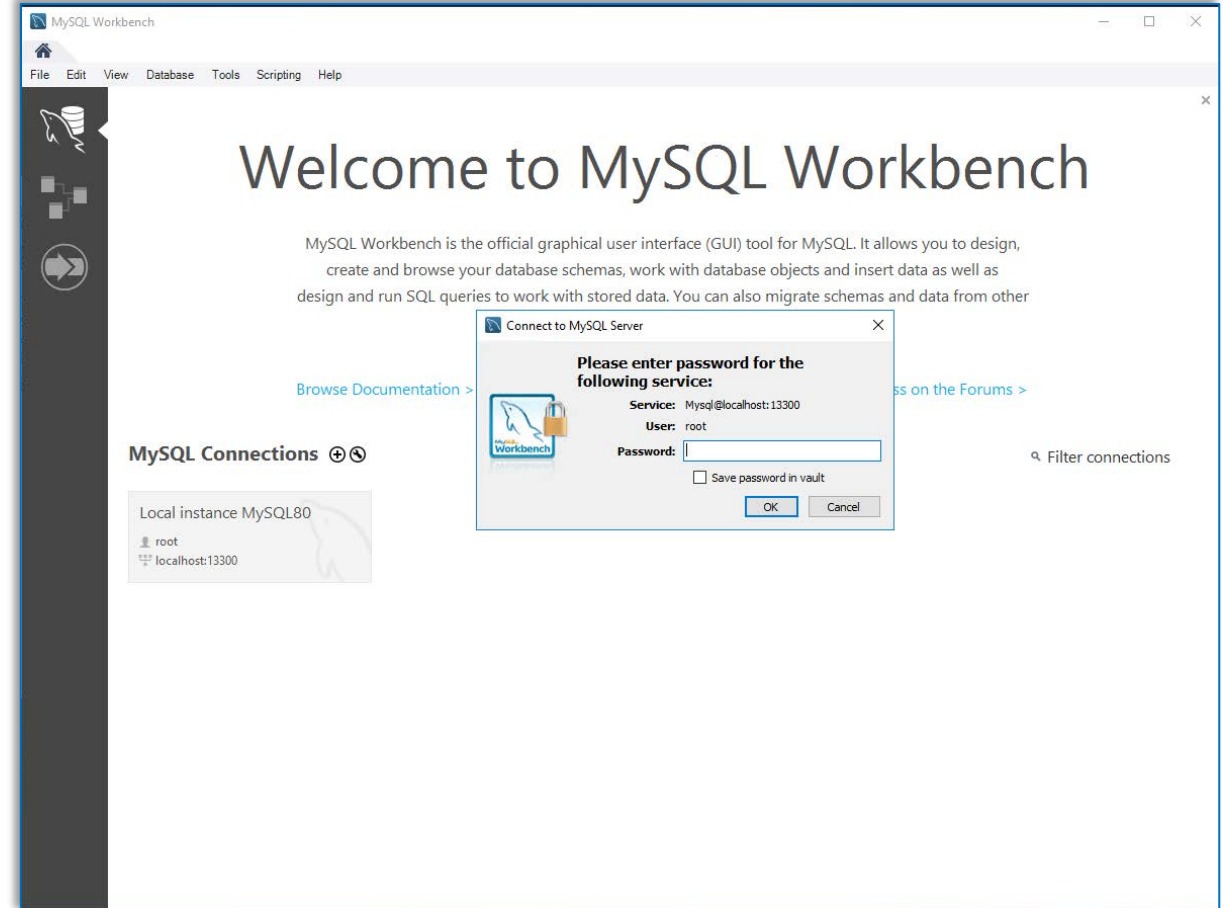
- When done, the MySQL Workbench opening menu is displayed.
- There is a Local Instance MySQL80 in the MySQL Connections list. The connection was set up during MySQL configuration phase earlier.



MySQL Database

Setup for VeSion

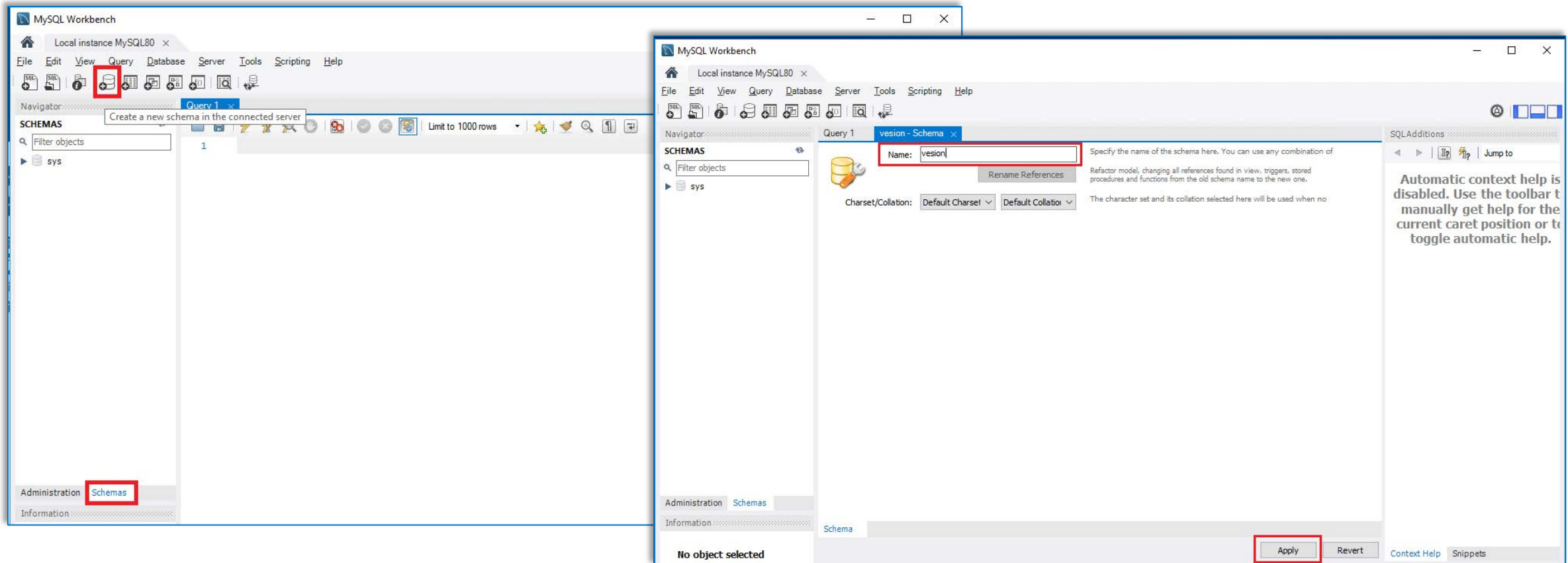
- Double click on the Local instance MySQL80 connection and log in as root, with the password previously set up during MySQL Server installation and configuration.



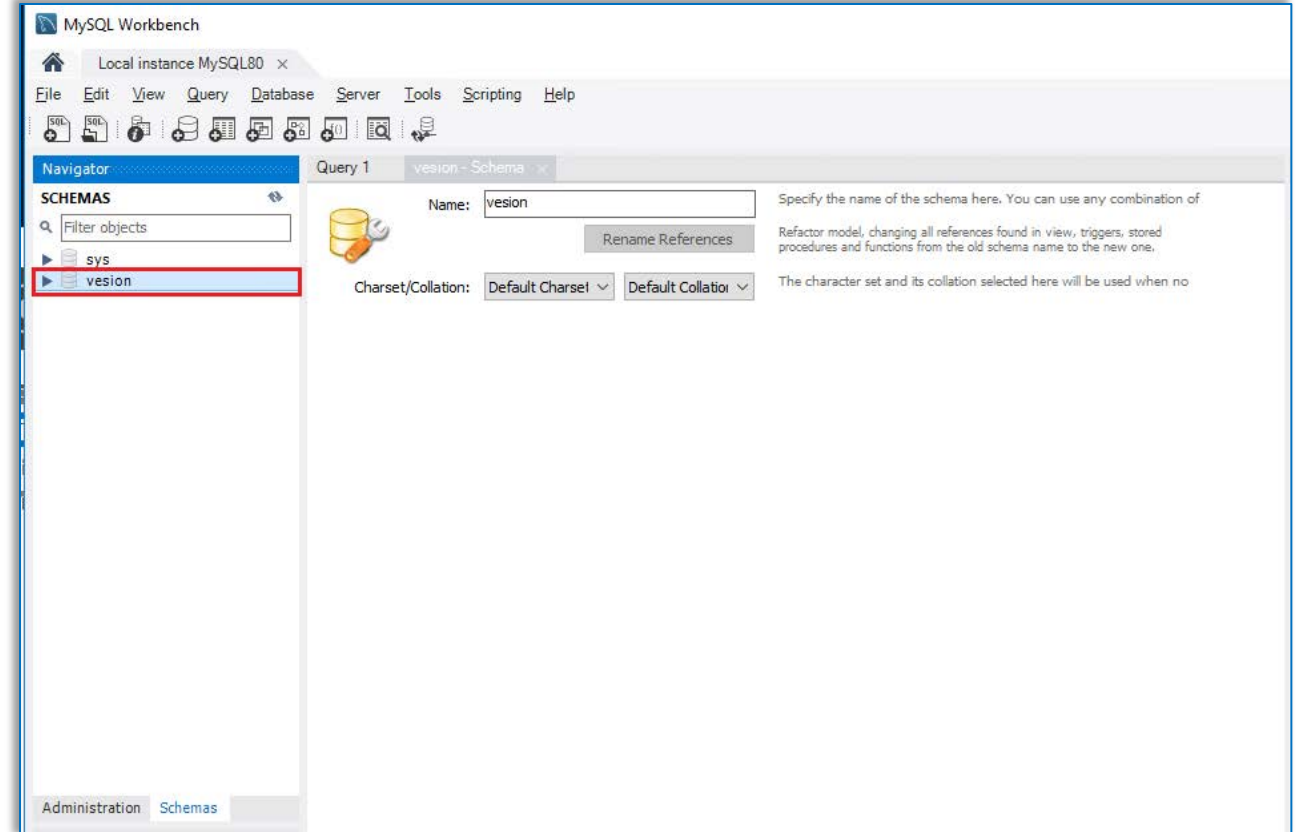
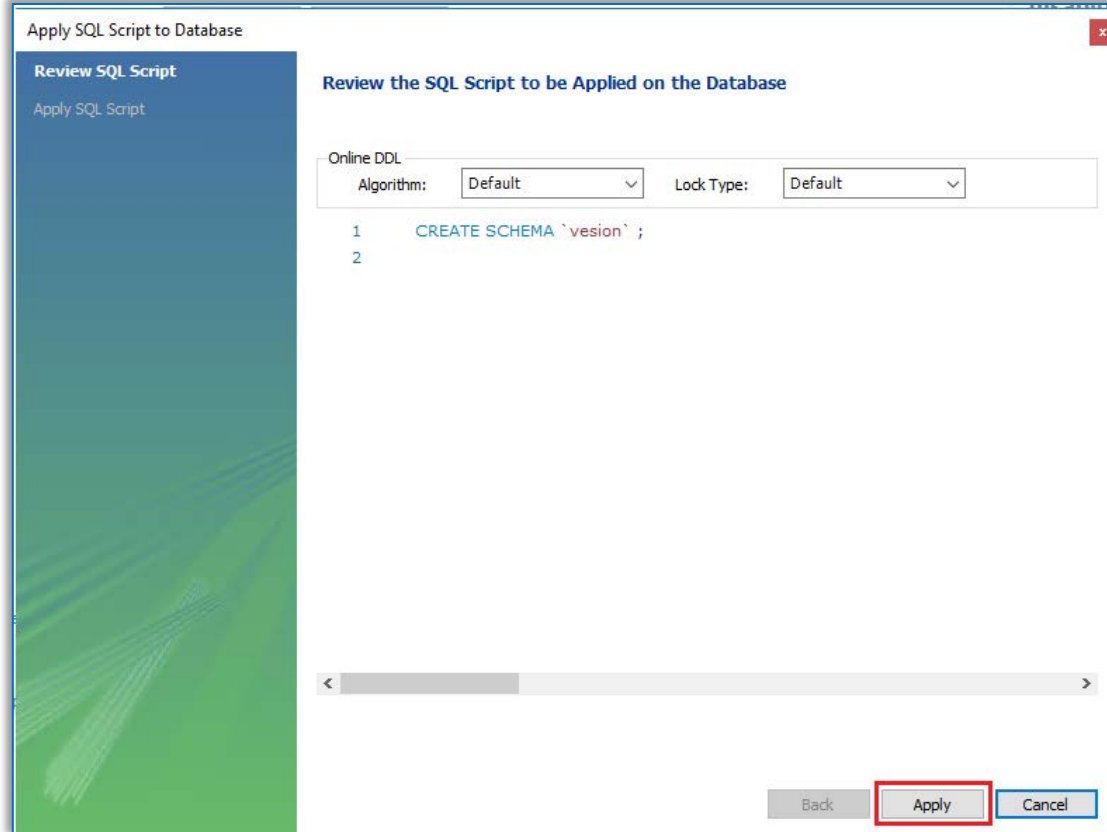
MySQL Database

Create Schema

- Select the Schemas tab near the bottom left, then click on the Create a new schema icon at the tool bar.
- Type vesion as the name of the schema. Click Apply.



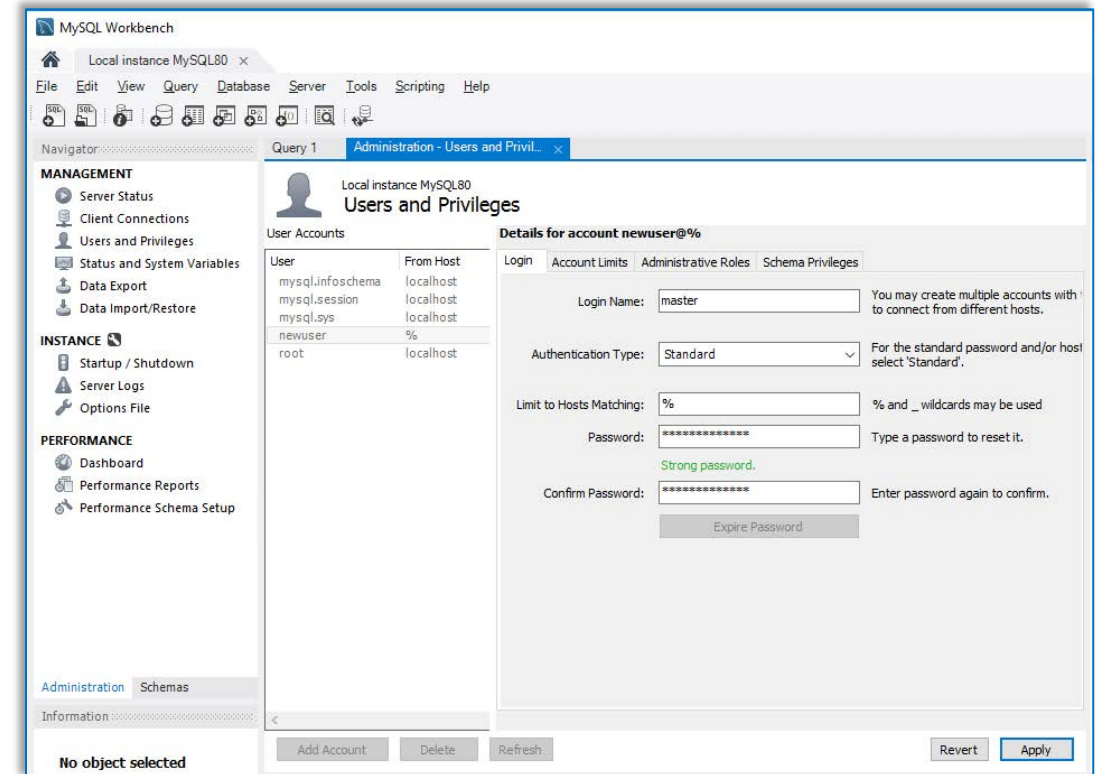
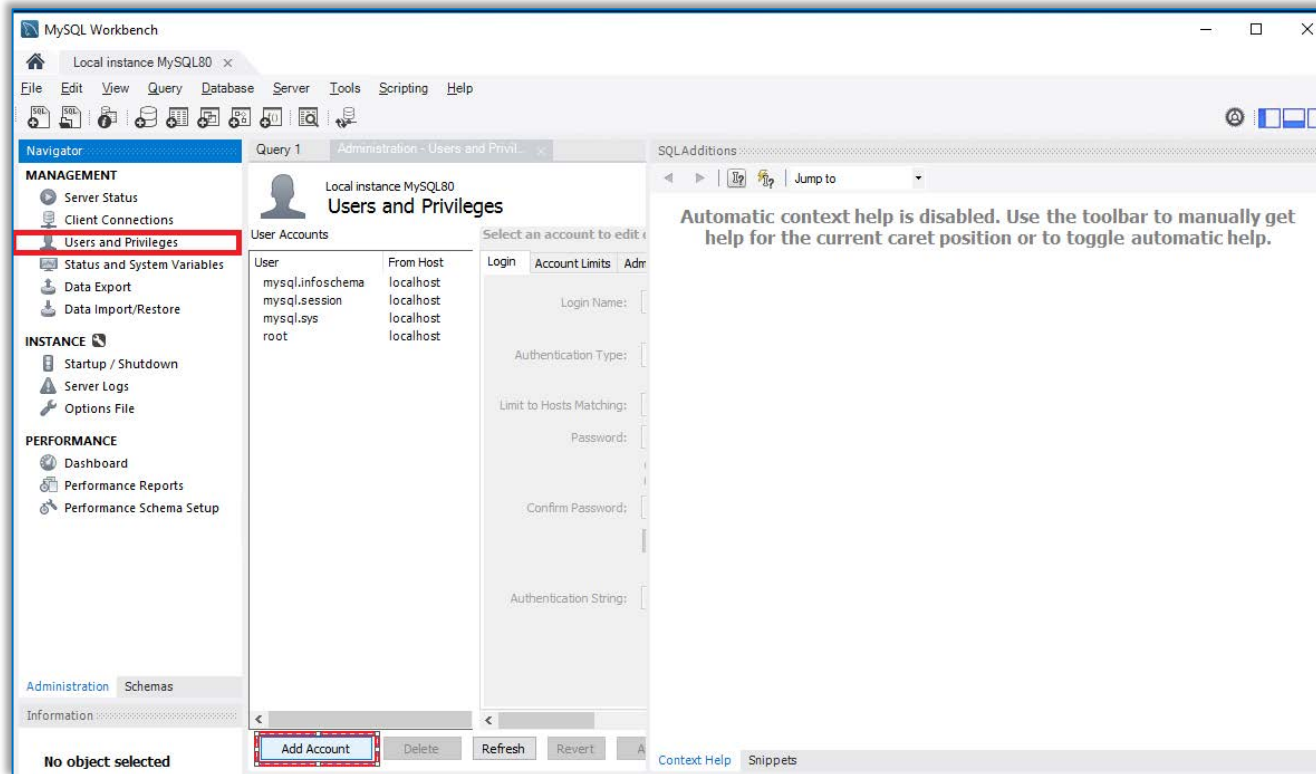
- In the Review SQL script click Apply to create the schema. Click Finish to complete creating the schema.
- Check that the VeSion schema is listed in the SCHEMAS section



MySQL Database

Add user for VeSion server login

- Select Administration tab at the bottom left, then click on Users and Privileges and Add Account.
- Add a new user account with login name “master”. Enter a password and click Apply. Safe keep the user account password.



MySQL Database

Assign administrative roles

- While with user “master” selected in the User section, move to the Administrative Roles tab and enable DBA. This allocates all privileges to the user “master”.

The screenshot shows the MySQL Workbench interface for a local instance of MySQL 8.0. The 'Administration - Users and Privileges' window is open, displaying the 'Users and Privileges' configuration for the user 'newuser@%'. The 'User Accounts' table lists several users, with 'newuser@%' selected. The 'Details for account newuser@%' window is open, showing the 'Administrative Roles' tab. The 'Role' column lists various roles, and the 'Description' column provides details for each role. The 'Global Privileges' column lists all available privileges, all of which are checked, indicating that the user has been granted all administrative privileges.

User	From Host
mysql.infoschema	localhost
mysql.session	localhost
mysql.sys	localhost
newuser	%
root	localhost

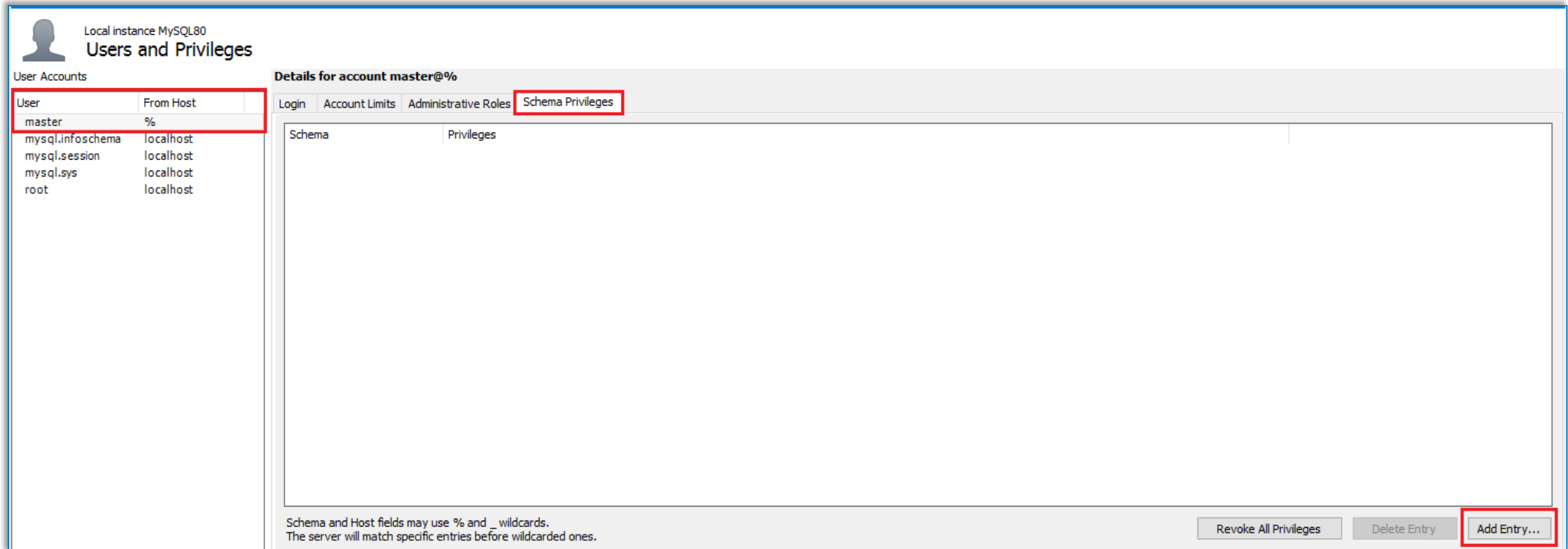
Role	Description
<input checked="" type="checkbox"/> DBA	grants the right
<input checked="" type="checkbox"/> MaintenanceAdmin	grants rights n
<input checked="" type="checkbox"/> ProcessAdmin	rights needed t
<input checked="" type="checkbox"/> UserAdmin	grants rights to
<input checked="" type="checkbox"/> SecurityAdmin	rights to manag
<input checked="" type="checkbox"/> MonitorAdmin	minimum set of
<input checked="" type="checkbox"/> DBManager	grants full right
<input checked="" type="checkbox"/> DBDesigner	rights to create
<input checked="" type="checkbox"/> ReplicationAdmin	rights needed t
<input checked="" type="checkbox"/> BackupAdmin	minimal rights t

Global Privileges
<input checked="" type="checkbox"/> ALTER
<input checked="" type="checkbox"/> ALTER ROUTINE
<input checked="" type="checkbox"/> CREATE
<input checked="" type="checkbox"/> CREATE ROUTINE
<input checked="" type="checkbox"/> CREATE TABLESPACE
<input checked="" type="checkbox"/> CREATE TEMPORARY TABLES
<input checked="" type="checkbox"/> CREATE USER
<input checked="" type="checkbox"/> CREATE VIEW
<input checked="" type="checkbox"/> DELETE
<input checked="" type="checkbox"/> DROP
<input checked="" type="checkbox"/> EVENT
<input checked="" type="checkbox"/> EXECUTE
<input checked="" type="checkbox"/> FILE
<input checked="" type="checkbox"/> GRANT OPTION
<input checked="" type="checkbox"/> INDEX
<input checked="" type="checkbox"/> INSERT
<input checked="" type="checkbox"/> LOCK TABLES
<input checked="" type="checkbox"/> PROCESS
<input checked="" type="checkbox"/> REFERENCES

MySQL Database

Schema Privileges

- Now, make sure that the Workbench window is maximized to fully display the window select the Schema Privileges tab and hit the Add Entry... button to access the schema list.



The screenshot shows the MySQL Workbench interface for managing users and privileges. The window title is "Local instance MySQL80 Users and Privileges". On the left, the "User Accounts" table lists several users, with the "master" user highlighted. The main area shows "Details for account master@%", with the "Schema Privileges" tab selected. The "Add Entry..." button at the bottom right is highlighted.

User	From Host
master	%
mysql.infoschema	localhost
mysql.session	localhost
mysql.sys	localhost
root	localhost

Details for account master@%

Schema Privileges

Schema Privileges

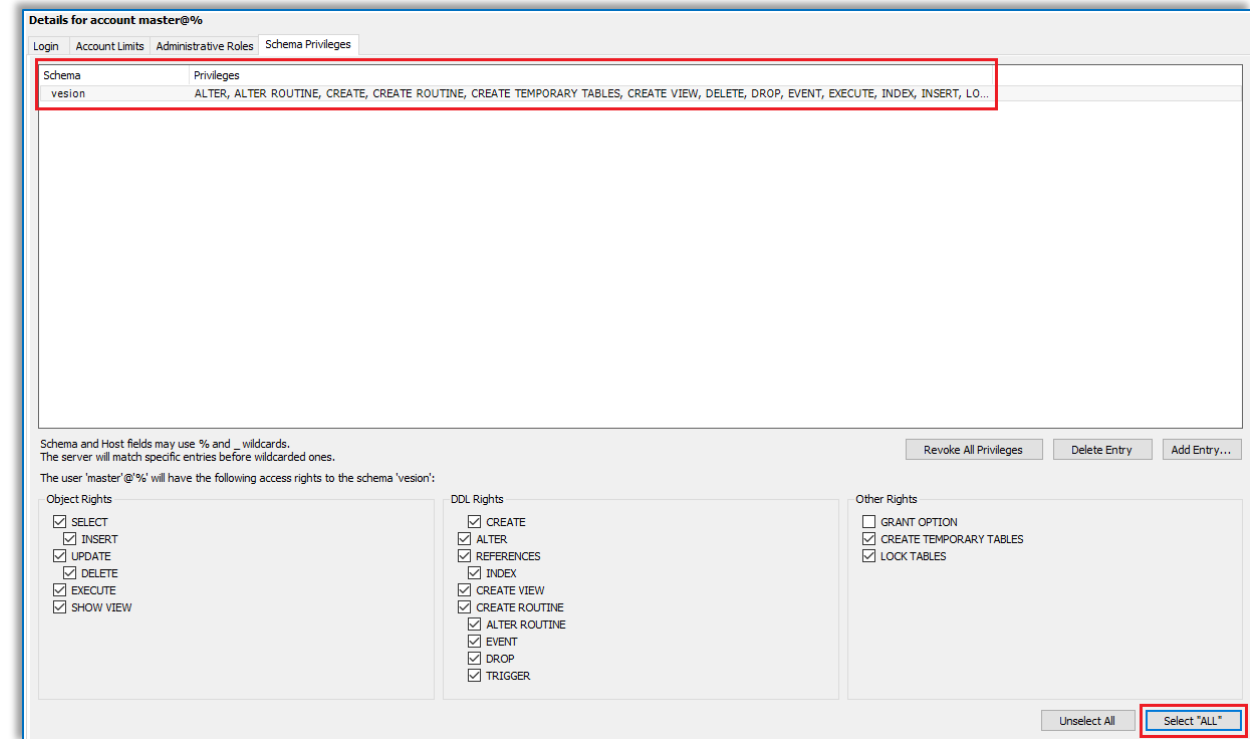
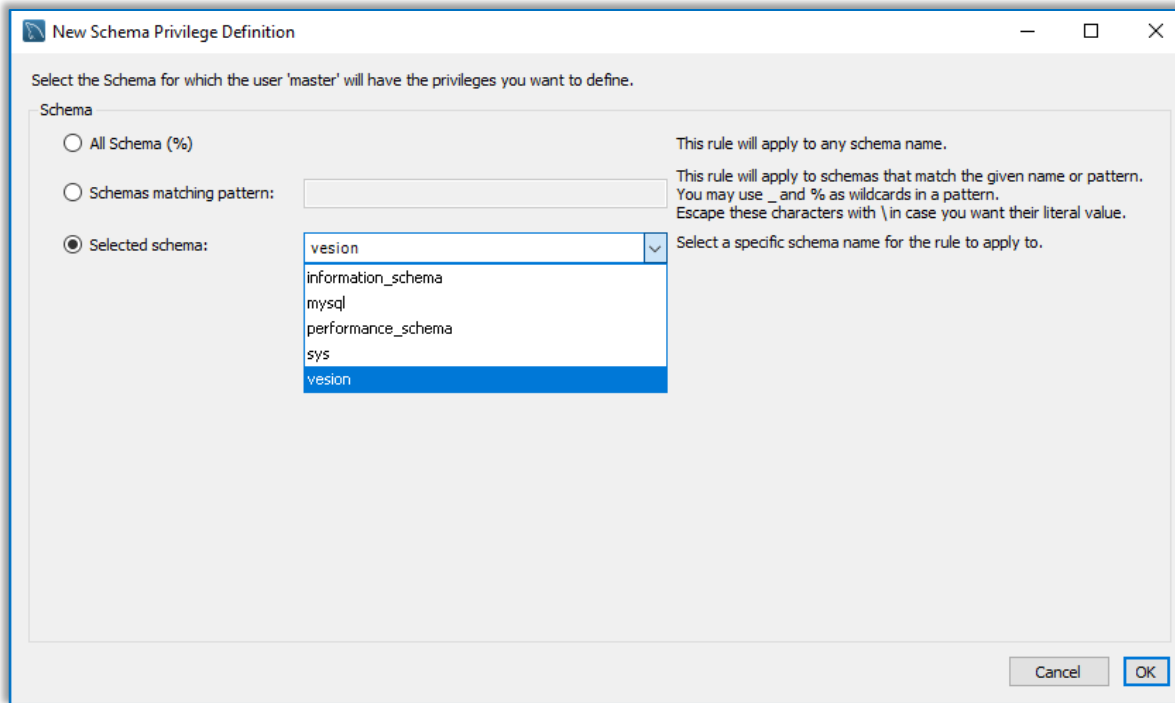
Schema and Host fields may use % and _ wildcards.
The server will match specific entries before wildcarded ones.

Revoke All Privileges Delete Entry Add Entry...

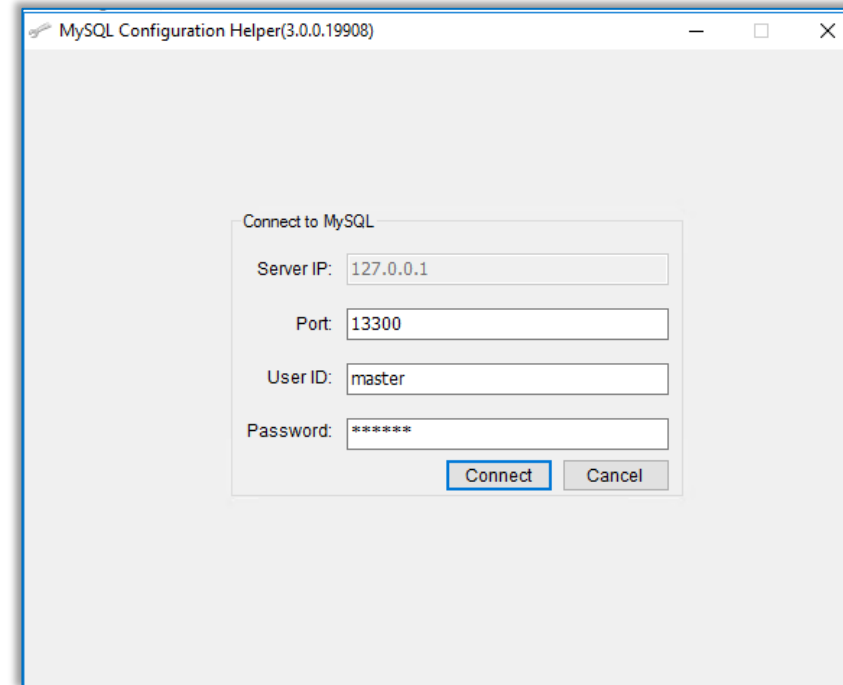
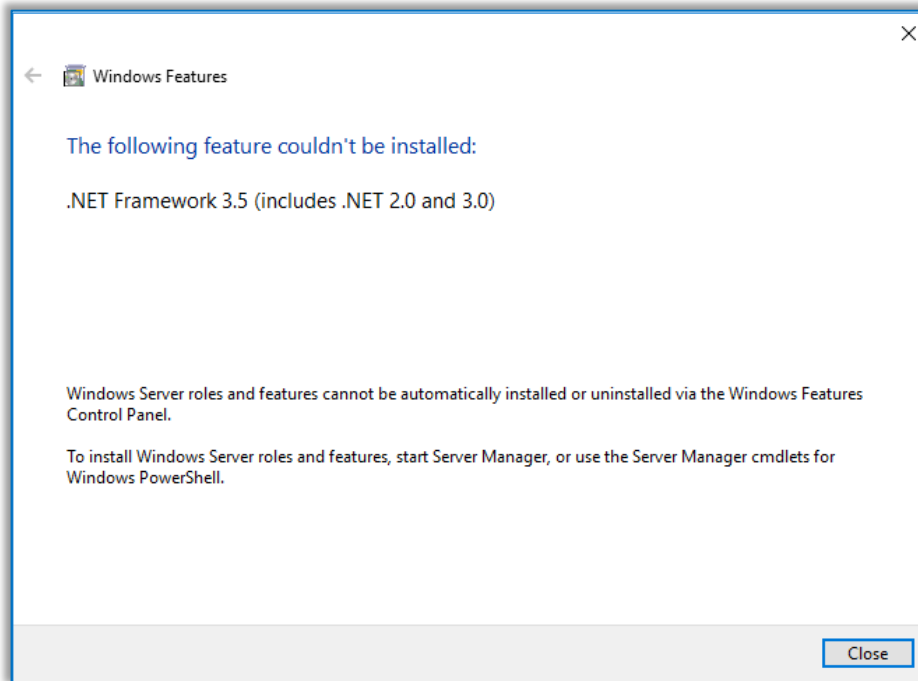
MySQL Database

Assign VeSion Schema Privileges to “master” user

- Choose the Selected schema option in the New Schema Privilege Definition pop-up. Pick the vesion schema from the list, then click OK to close the selection window.
- Click on Select “ALL” to allocate all applicable privileges.



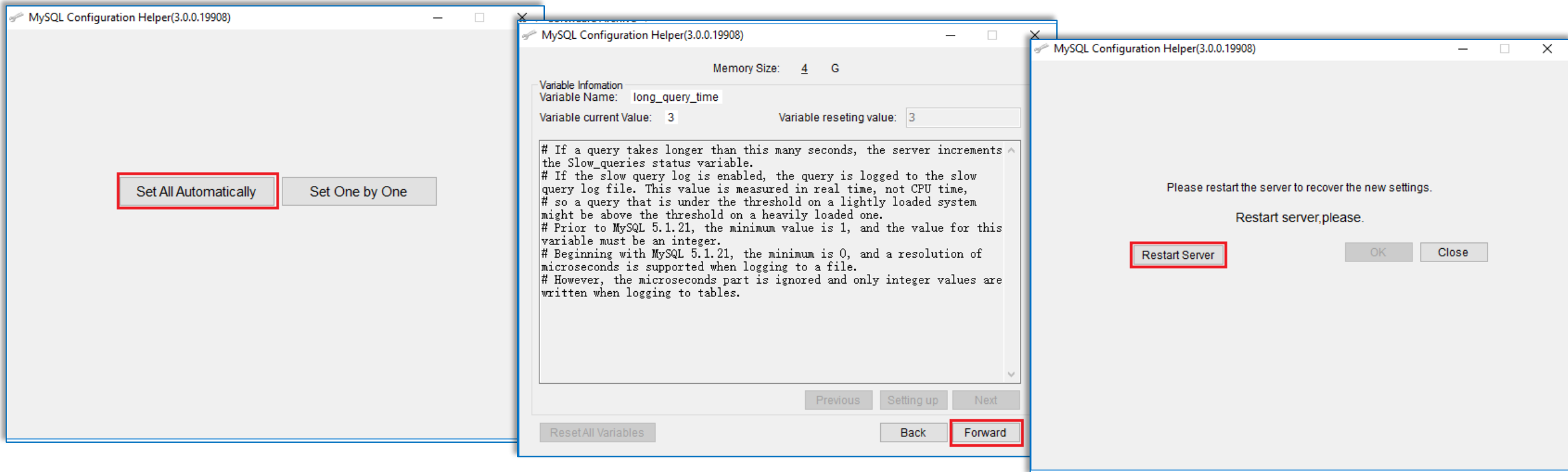
- Unzip MySQLConfigurationHelper(3.0.0) and put a copy in the local drive of the server.
- Execute the software by clicking on MySQLConfigurationHelper.exe. If .NET Framework 3.5 features have not been added, then it will prompt for the required features.
- Once the configuration tool is launched, enter the password for user “master” and then Connect.

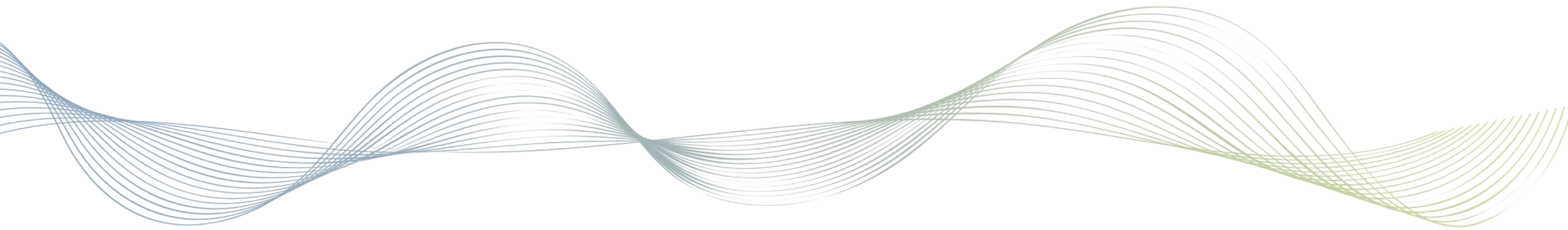


MySQL Database

Set up variable values

- Select Set All Automatically to run the configuration tool.
- It will go through each variable setting and set the value. Click Forward when prompted.
- Click Restart Server to restart MySQL to take the new variable settings. Or click Close to restart MySQL using Workbench.





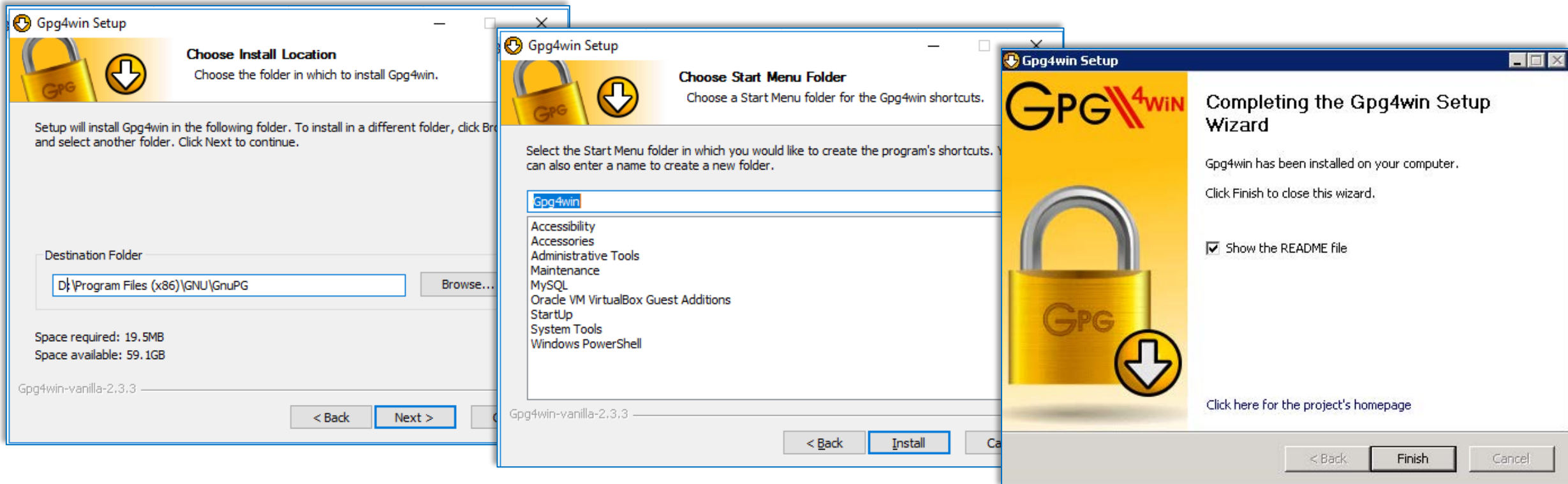
Installing PnuGPG

Step 4



Install GPG4win Application

- Unzip the gpg4win-vanilla-2.3.3.zip then double-click gpg4win-vanilla-2.3.3.exe to start the installation
- Set the Destination Folder to the appropriate installation drive, Drive D: in our example. Follow the on-screen instruction to complete the installation.



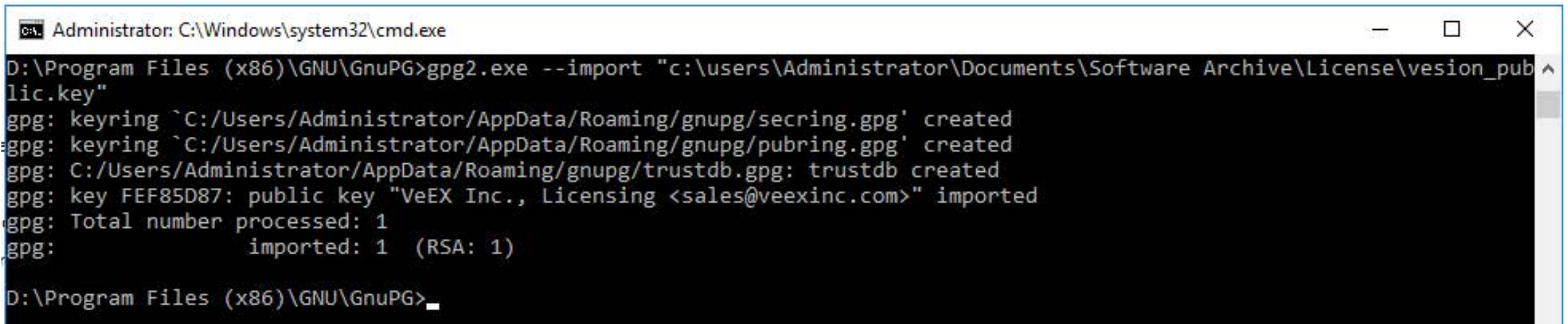
GnuPG Installation

Import public key file

- Copy the provided vesion_public.key file to \Documents\Software Archive\License folder
- Launch Command Prompt (cmd). Change directory to the GnuPG installation folder and enter the below command to import the public key to the system.

```
D:\Program Files (x86)\GNU\GnuPG>gpg2.exe --import "c:\users\Administrator\Documents\Software Archive\License\vesion_public.key"
```

- Below is the expected output of the command for a successful public key import.

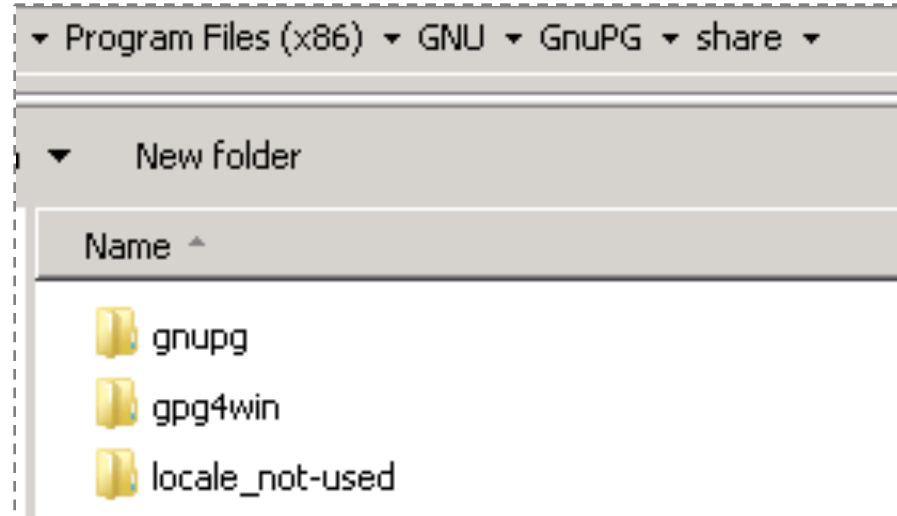


```
Administrator: C:\Windows\system32\cmd.exe
D:\Program Files (x86)\GNU\GnuPG>gpg2.exe --import "c:\users\Administrator\Documents\Software Archive\License\vesion_public.key"
gpg: keyring `C:/Users/Administrator/AppData/Roaming/gnupg/secring.gpg' created
gpg: keyring `C:/Users/Administrator/AppData/Roaming/gnupg/pubring.gpg' created
gpg: C:/Users/Administrator/AppData/Roaming/gnupg/trustdb.gpg: trustdb created
gpg: key FEF85D87: public key "VeEX Inc., Licensing <sales@veexinc.com>" imported
gpg: Total number processed: 1
gpg:         imported: 1 (RSA: 1)
D:\Program Files (x86)\GNU\GnuPG>
```

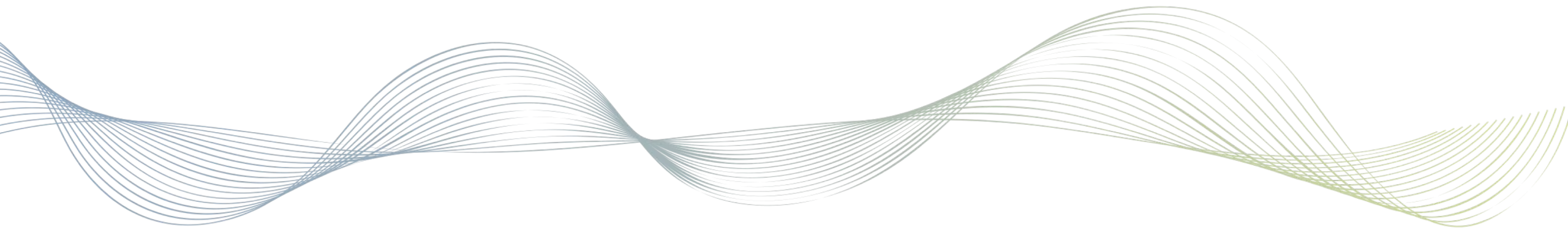
GnuPG Installation

Running on Windows OS in non-English version

- If the VeSion system is running on a non-English language version, then it is required to remove the locale folder in the GnuPG installation.
 - This can be done by renaming the folder from locale to locale_not-used.



- If this is not done, the VeSion System will always display the license expiration page when logging in, even when having a valid license.



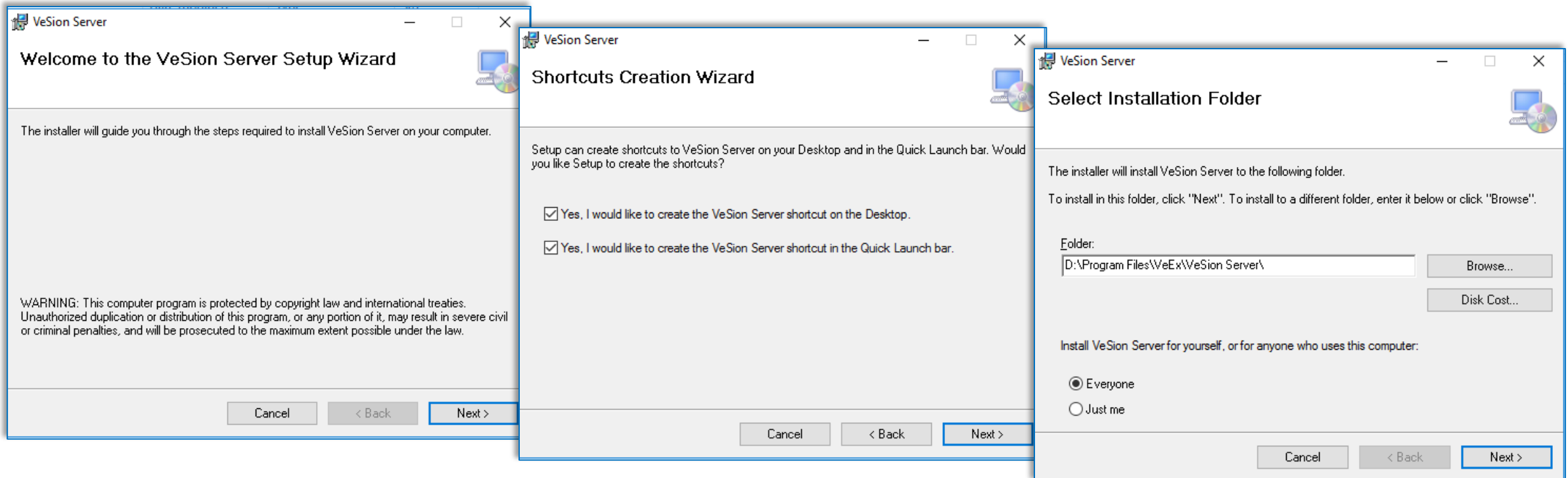
Installing VeSion Server

Step 5



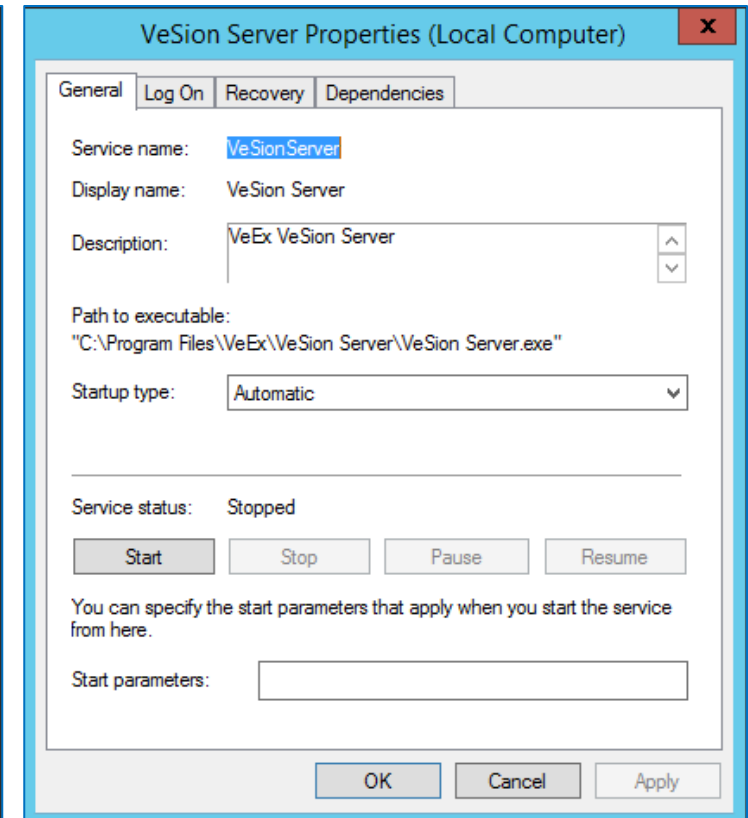
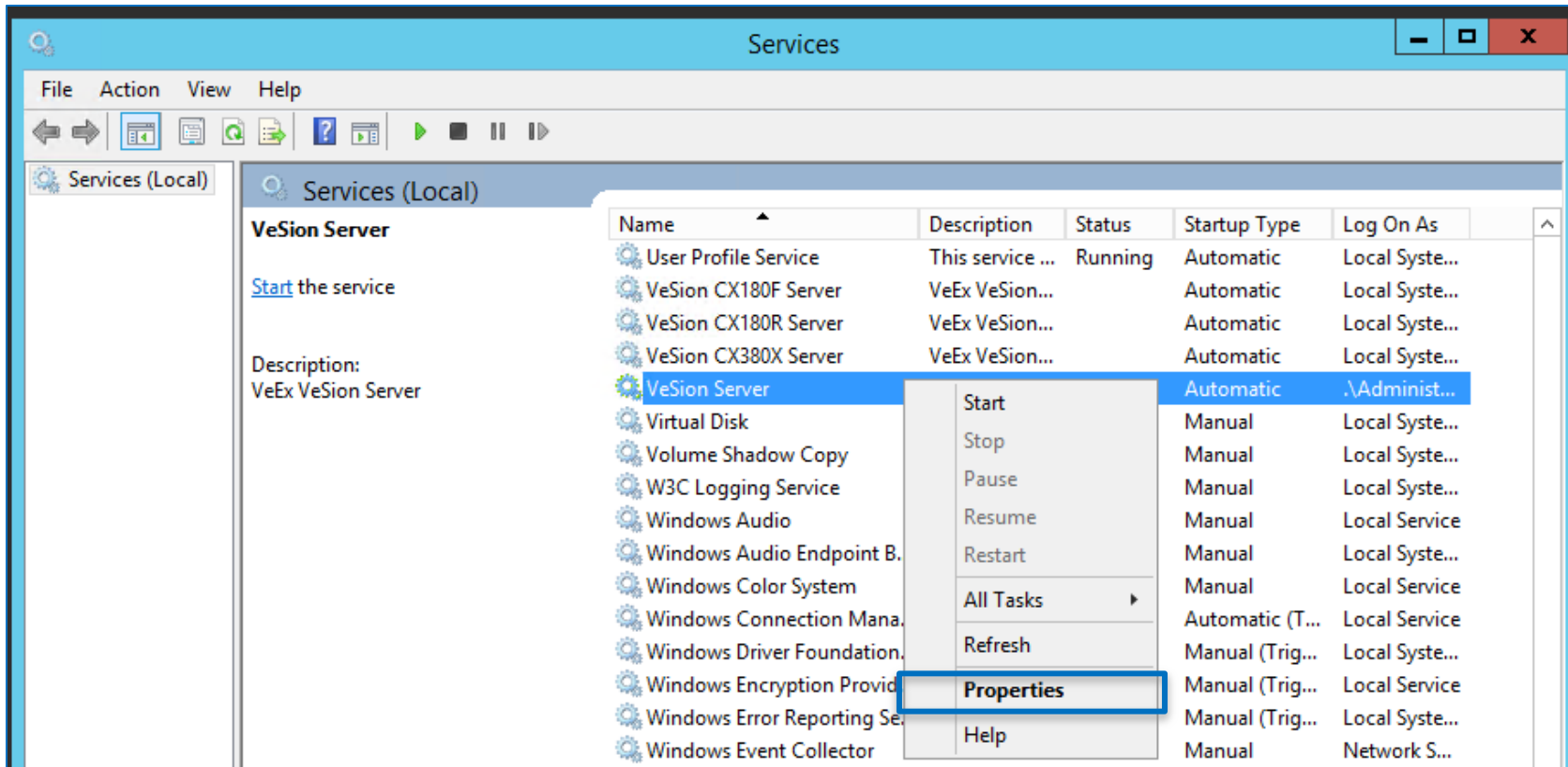
Install VeSion Server Application

- Run `setup.exe` to install the VeSion Server application to the target hard drive.
 - The VeSion Server is a 64-bit application and will install in the `\Program Files\VeEx\VeSion Server\` by default.
 - Set the target drive as appropriate. In the example below drive D: is the target drive.
 - Select install VeSion for Everyone.
 - Click Next> to continue.



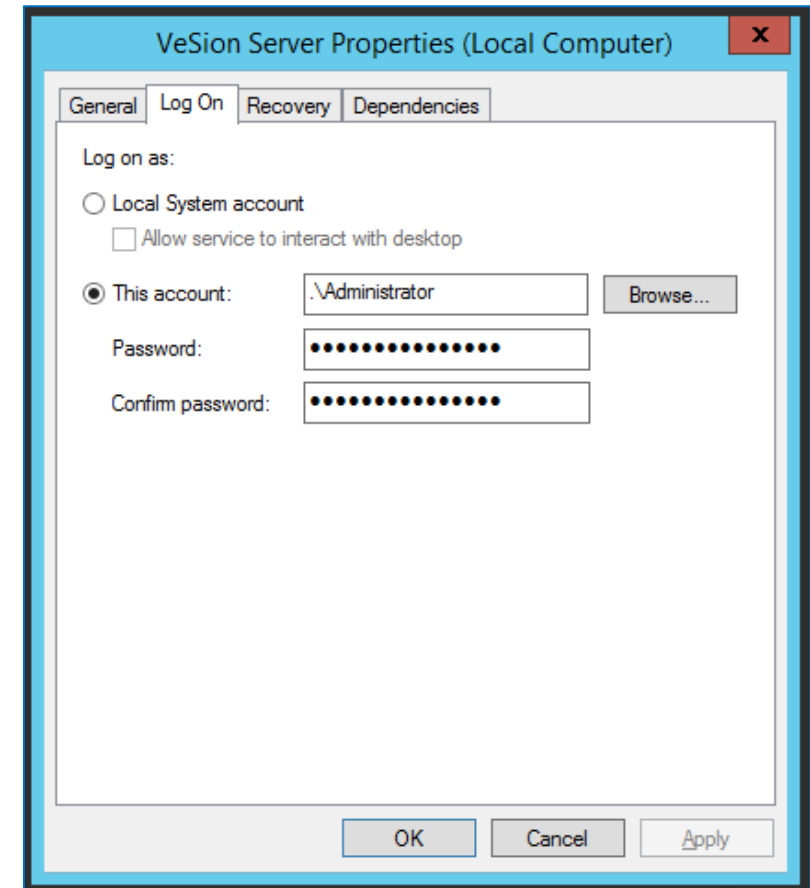
Configure Login for VeSion Server Services

- After the VeSion Server application has been installed, open Windows Services.
- Navigate to and double click on VeSion Server service, then open Properties.



Configure VeSion Server Application

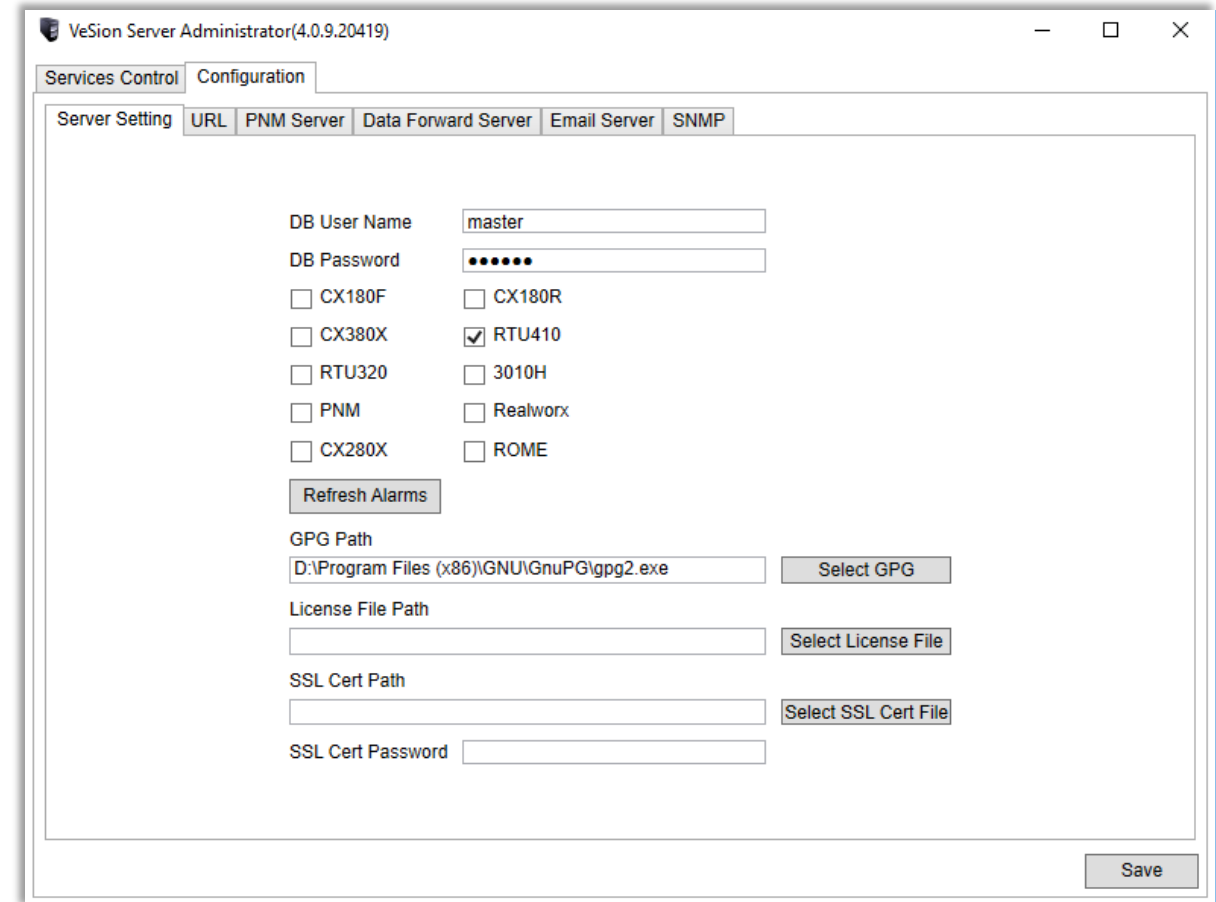
- Open the Log On tab.
- Select This account:
 - Enter the credentials of the user account with the administrator rights
 - The Administrator account was used in this example.
- Click Apply
- Click OK to exit.



Configure VeSion Server Application

Server Setting

- Launch VeSion Server Administrator and select the Configuration tab
- Update the settings in the Server Setting sub-tab:
 - DB User Name: master
 - DB Password: as previously configured
 - Mark the checkbox corresponding to the VeSion sub-systems that the VeSion system is supposed to use and is licensed for
 - To set the PGP Path, click Select GPG and navigate
 - to the GnuPG installation folder and select gpg2.exe
 - Click Save to save settings



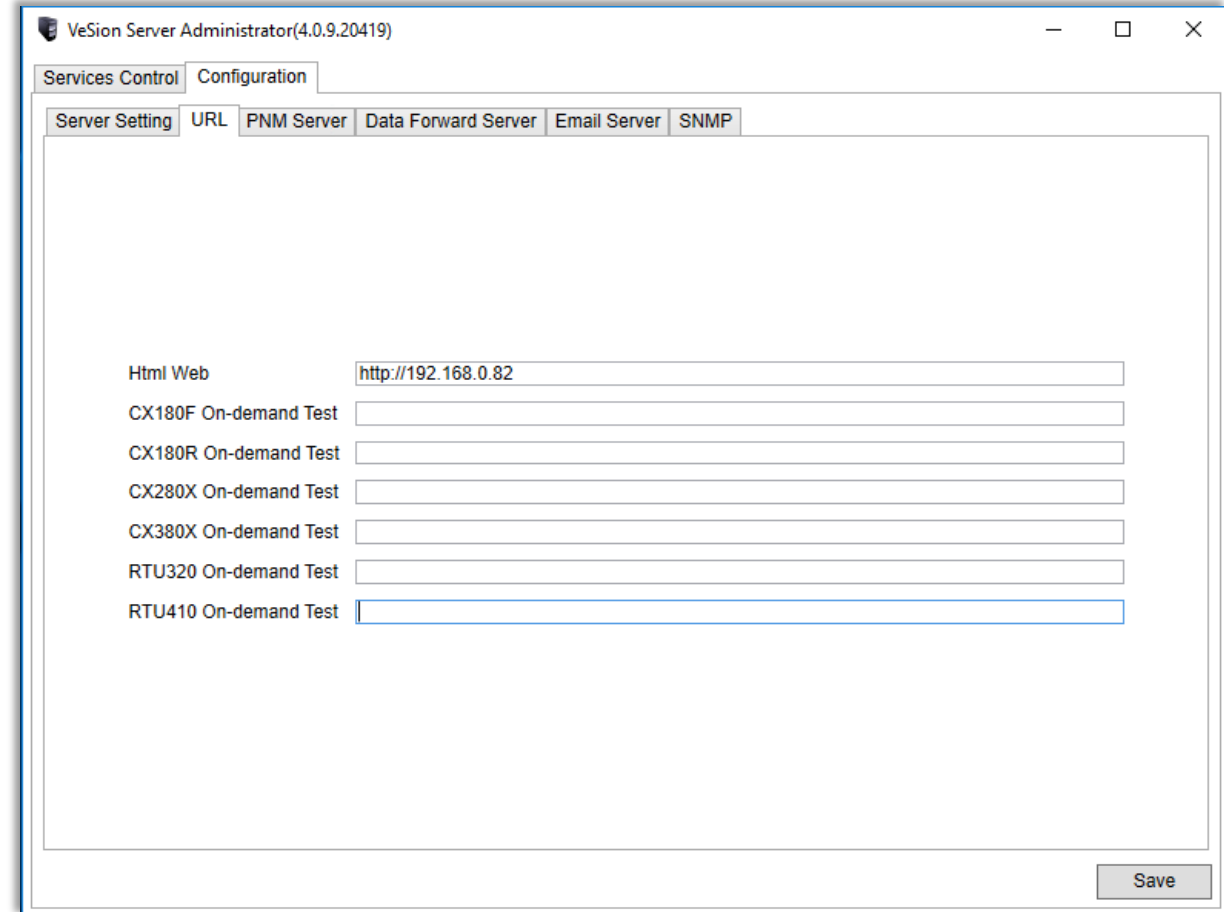
The screenshot shows the 'VeSion Server Administrator(4.0.9.20419)' window with the 'Configuration' tab selected. The 'Server Setting' sub-tab is active, displaying various configuration options:

- DB User Name:
- DB Password:
- Device selection checkboxes:
 - CX180F
 - CX380X
 - RTU320
 - PNM
 - CX280X
 - CX180R
 - RTU410
 - 3010H
 - Realworx
 - ROME
- Refresh Alarms:
- PGP Path:
- License File Path:
- SSL Cert Path:
- SSL Cert Password:
- Save:

Configure VeSion Server Application

URL

- Go to the URL tab
 - Enter the VeSion Web HTML5 URL
 - The other on-demand test links are used to provide a link to the alarmed port in the SNMP alarm trap to facilitate a Network Operator Center tester to verify the issue.



The screenshot shows the 'VeSion Server Administrator(4.0.9.20419)' window with the 'Configuration' tab selected. The 'URL' sub-tab is active, displaying a list of configuration items with text input fields:

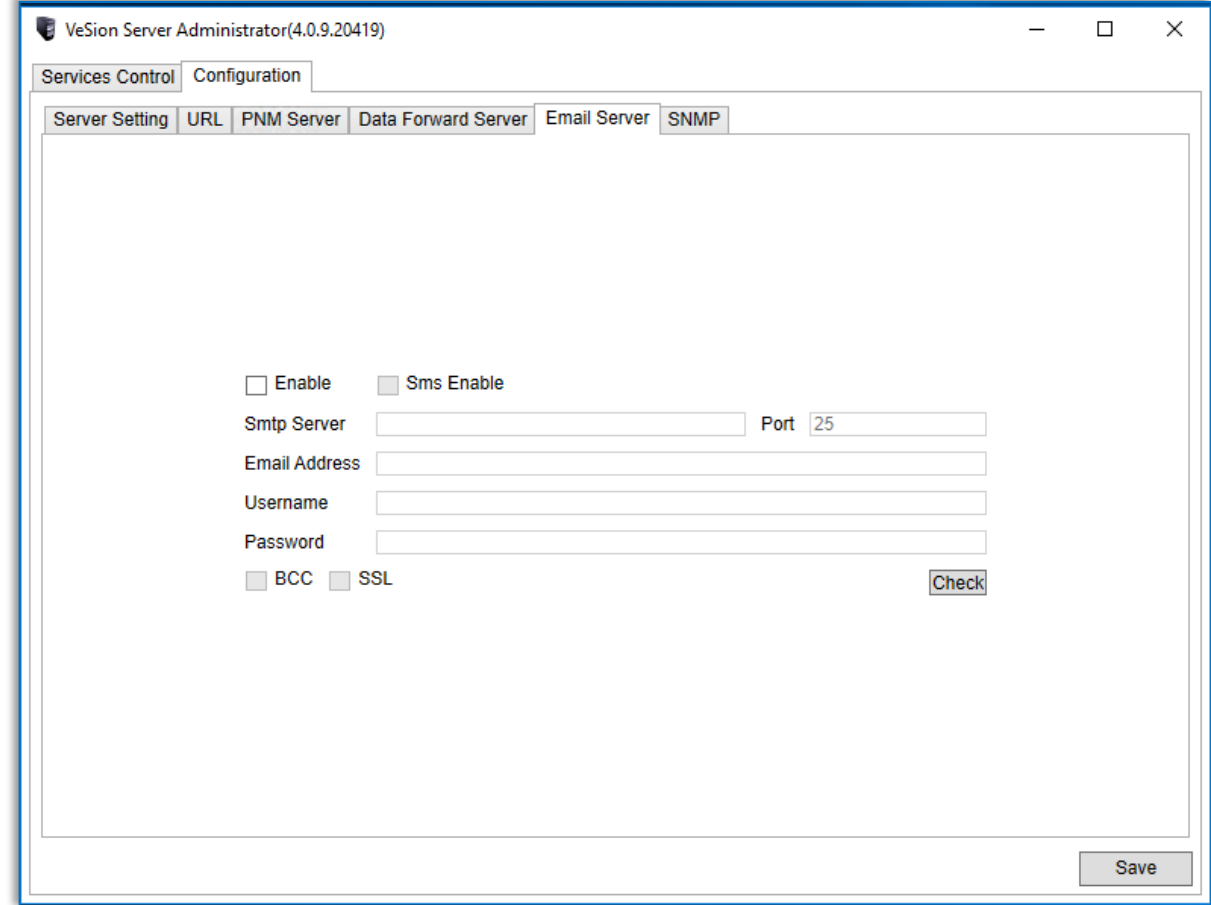
Configuration Item	Value
Html Web	http://192.168.0.82
CX180F On-demand Test	
CX180R On-demand Test	
CX280X On-demand Test	
CX380X On-demand Test	
RTU320 On-demand Test	
RTU410 On-demand Test	

A 'Save' button is located at the bottom right of the configuration area.

Configure VeSion Server Application

Email Server

- Navigate to the Email Server tab to set up email account for email notifications
- When finish all the settings, click the Check button to run an email check



The screenshot shows the 'VeSion Server Administrator(4.0.9.20419)' window with the 'Configuration' tab selected. The 'Email Server' sub-tab is active, displaying the following settings:

- Enable
- Sms Enable
- SmtP Server: Port:
- Email Address:
- Username:
- Password:
- BCC SSL
-
-

Configure VeSion Server application

SNMP Server

- Navigate to the SNMP tab to configure the IP address and the UDP port of the SNMP trap collector server.
- The SNMP Server settings on the VeSion Server Administrator are for sending system alarm traps.

VeSion Server Administrator(3.0.5.29904)

Services Control | Configuration

Server Setting | URL | PNM Server | Data Forward Server | Email Server | **SNMP**

Enable

Enterprise VeEX OID(1.3.6.1.4.1.36290) Custom OID

Community

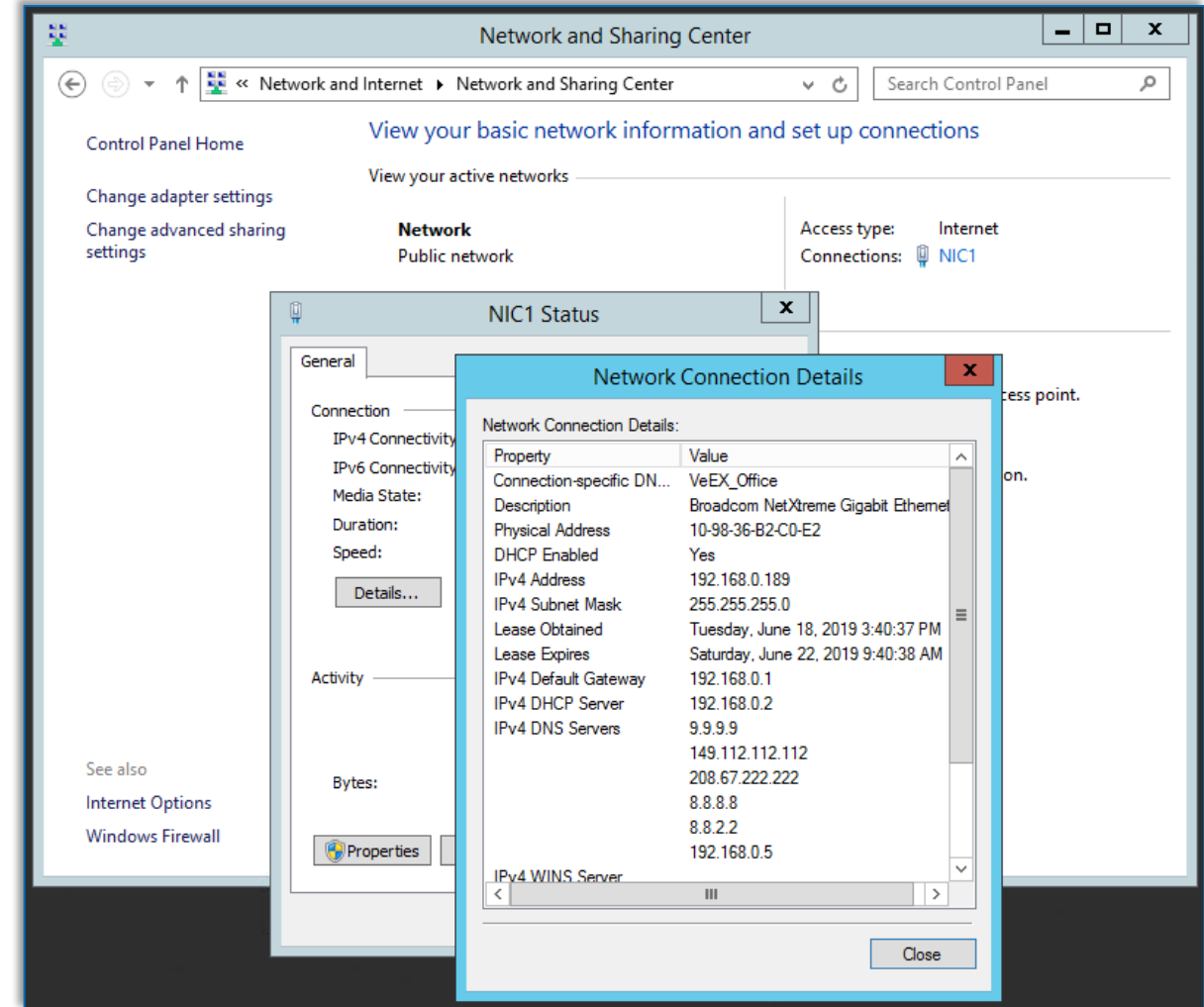
Host(IP:Port;IP:Port)

Save

Starting VeSion Server

Ethernet port

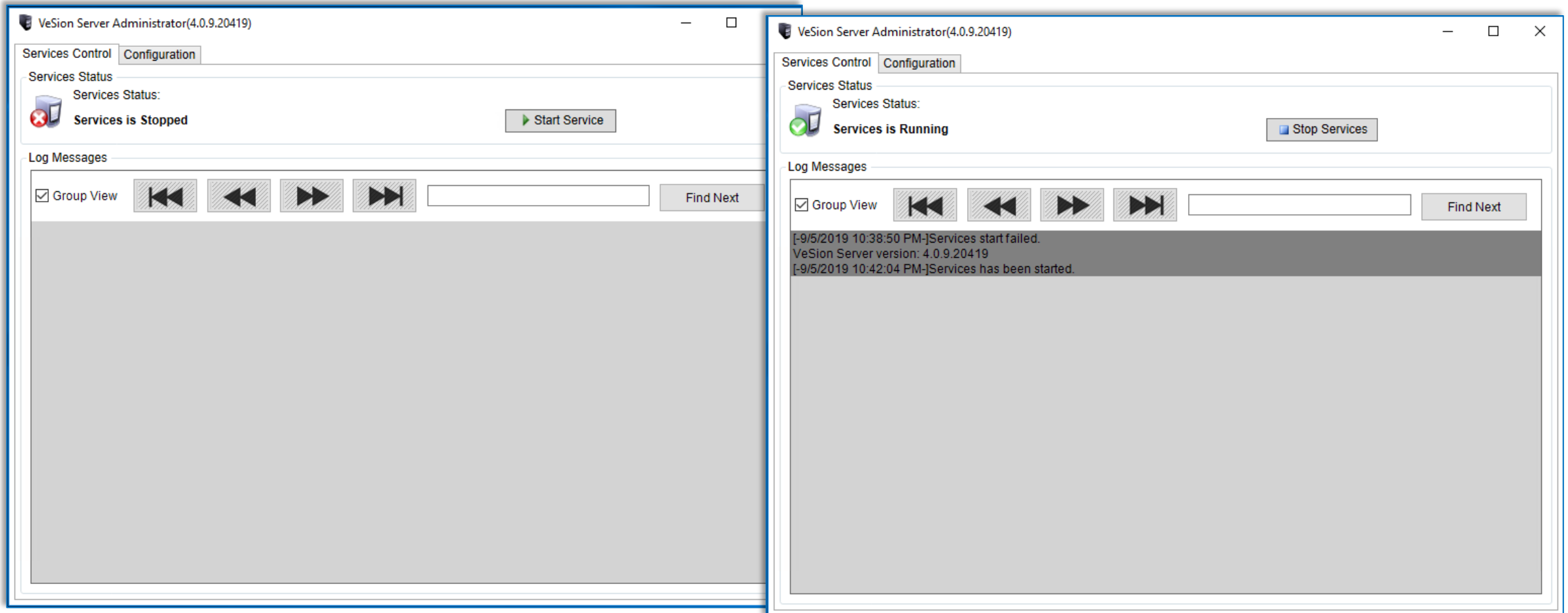
- Before starting VeSion Server service, make sure the Ethernet port, with the MAC address the VeSion Server is licensed for, is in port linkup state.
- The MAC address of the Ethernet port should be provided to VeEX in order to obtain a license file for the VeSion system.
 - The MAC address of the Ethernet port is found in the 'Network Connection > Details...' window.
 - When there are multiple Ethernet ports in the server, make sure to provide the one that will be used for connecting the server to the network.

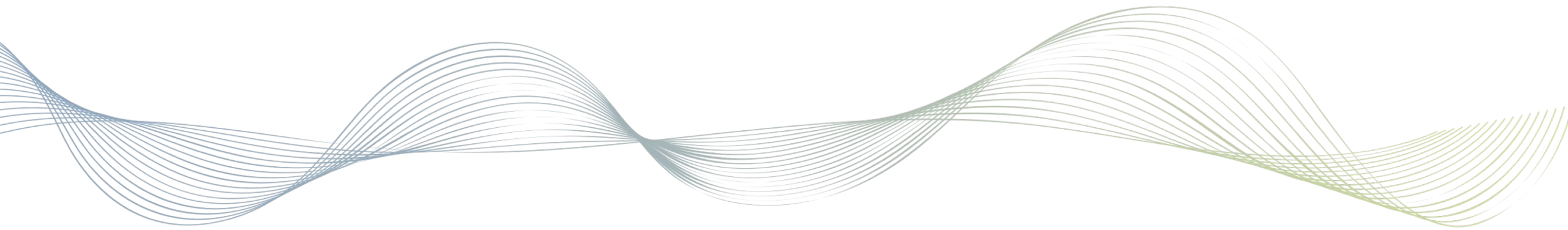


Starting VeSion Server

Services Control

- Go to the Services Control tab on the VeSion Server Administrator.
- Click Start Service button to start the VeSion Server service.





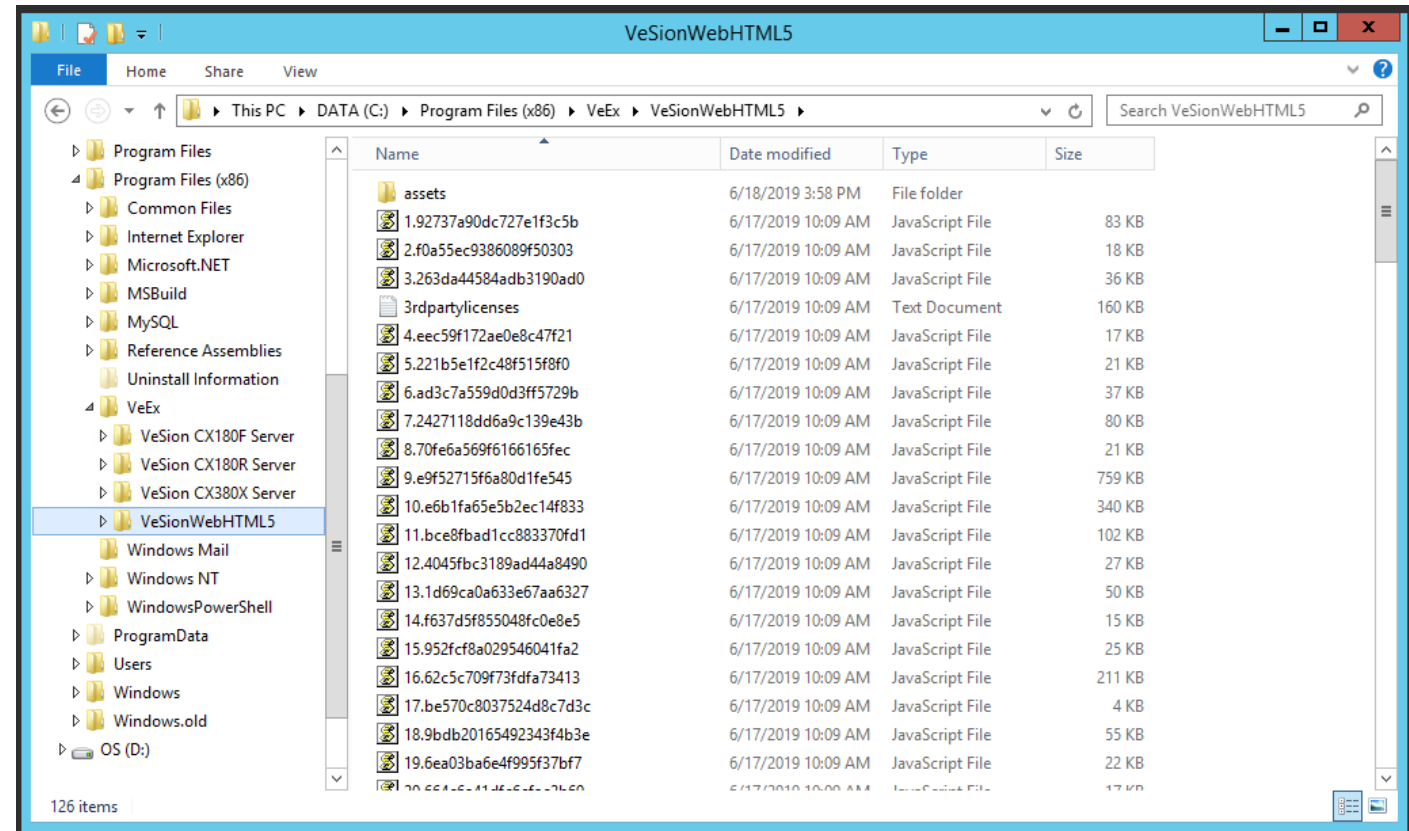
Installing VeSion Web HTML5

Step 6



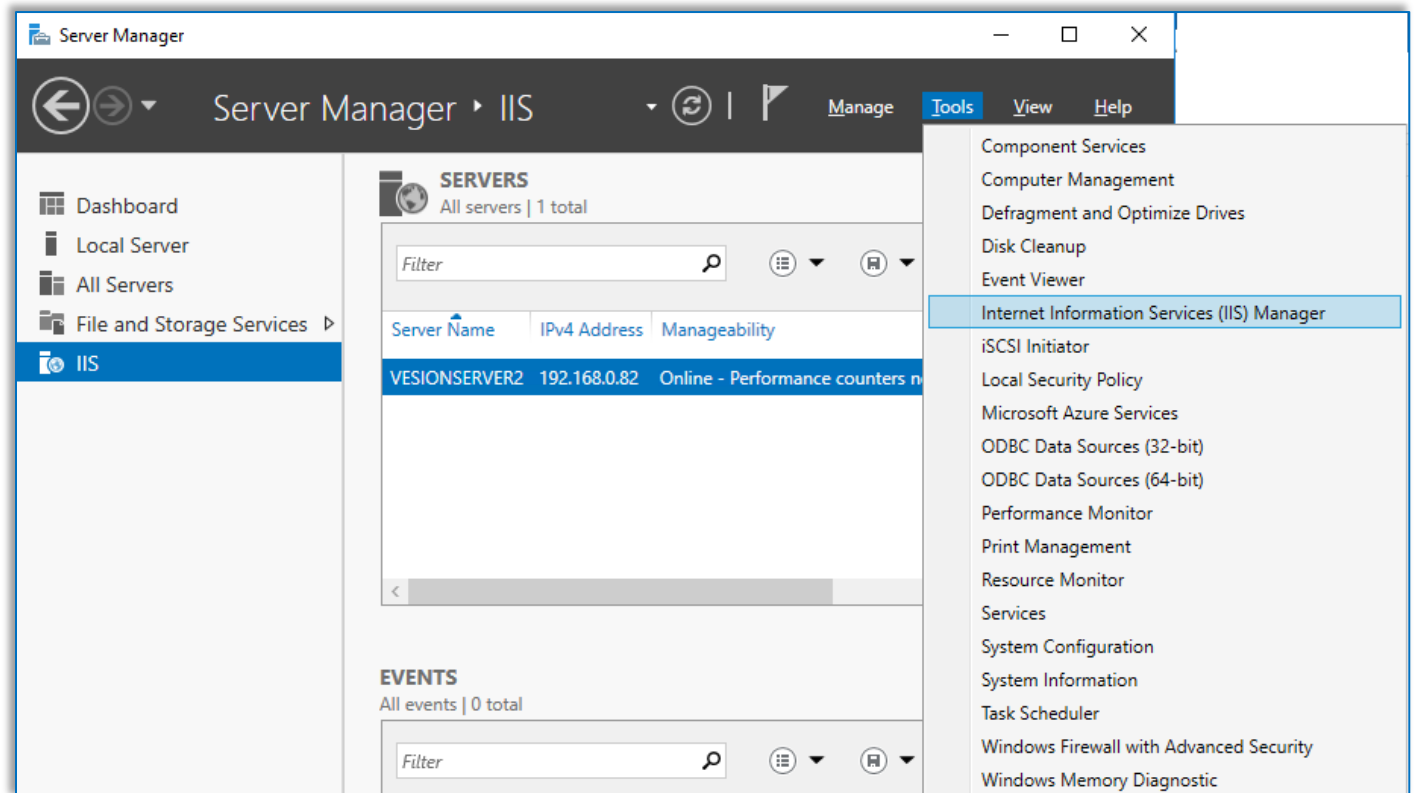
VeSion Web HTML5 Installation

- Create a VeSionWebHTML5 folder under the Drive:\Program Files\VeEx\.
- Unzip the VeSionWebHTML5 software
- Copy all the files to the \Program Files\VeEx\VeSionWebHTML5 folder.



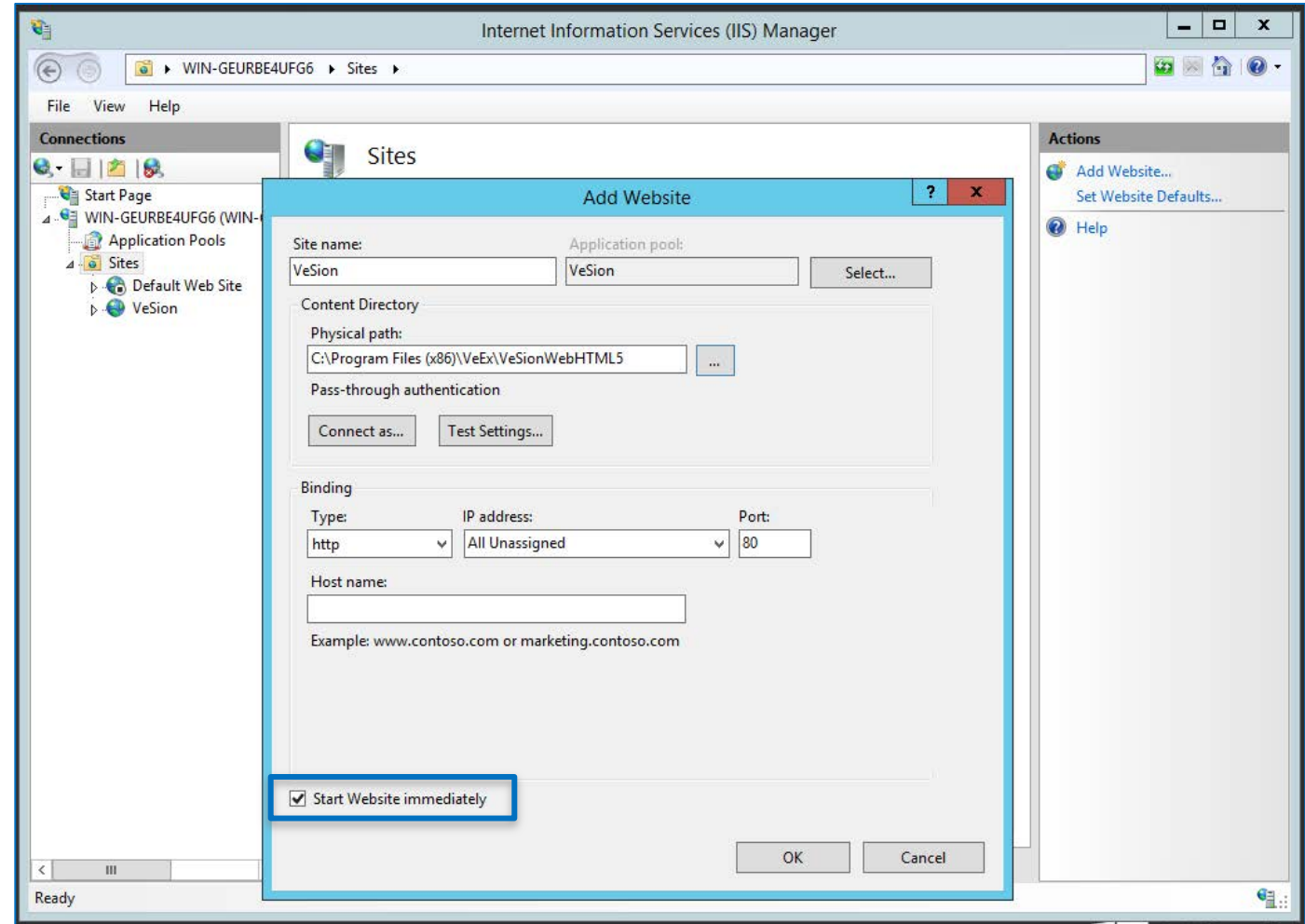
Setting Up VeSion Website

- Open Internet Information Services (IIS) Manager on the Server Manager.



Setting Up VeSion Website

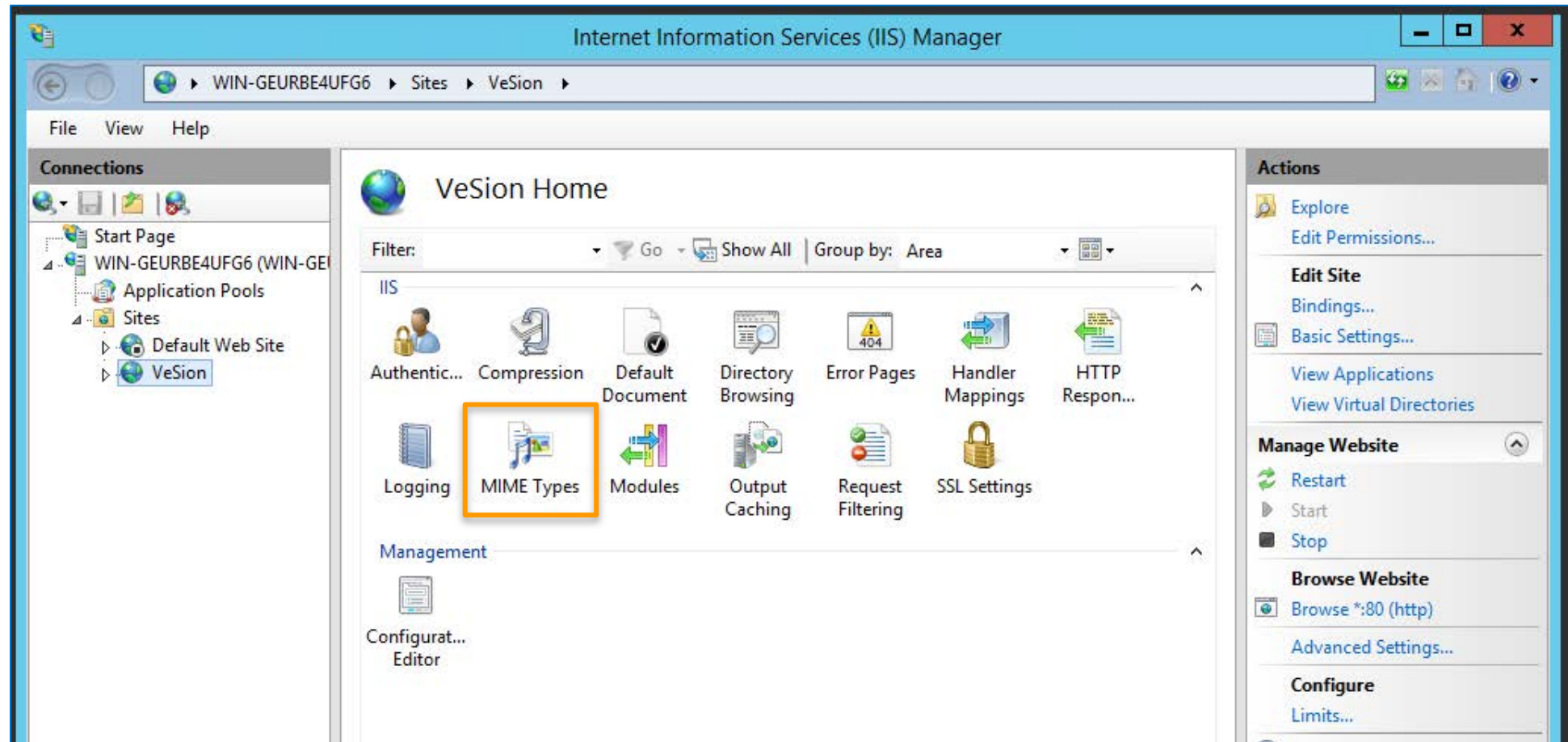
- Right click on Sites and then select Add Web Site...
- In the Add Web Site window
 - Enter VeSion as the Site Name
 - Set Physical path to Drive:\Program Files\VeEx\VeSionWebHTML5
 - Enable 'Start Website immediately'
- Press OK



Setting Up VeSion Website

MIME Types

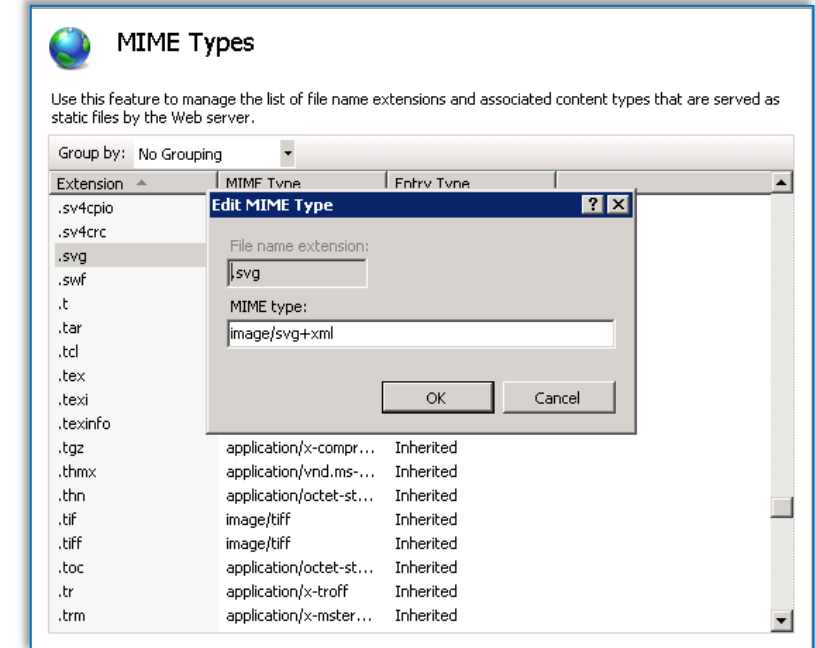
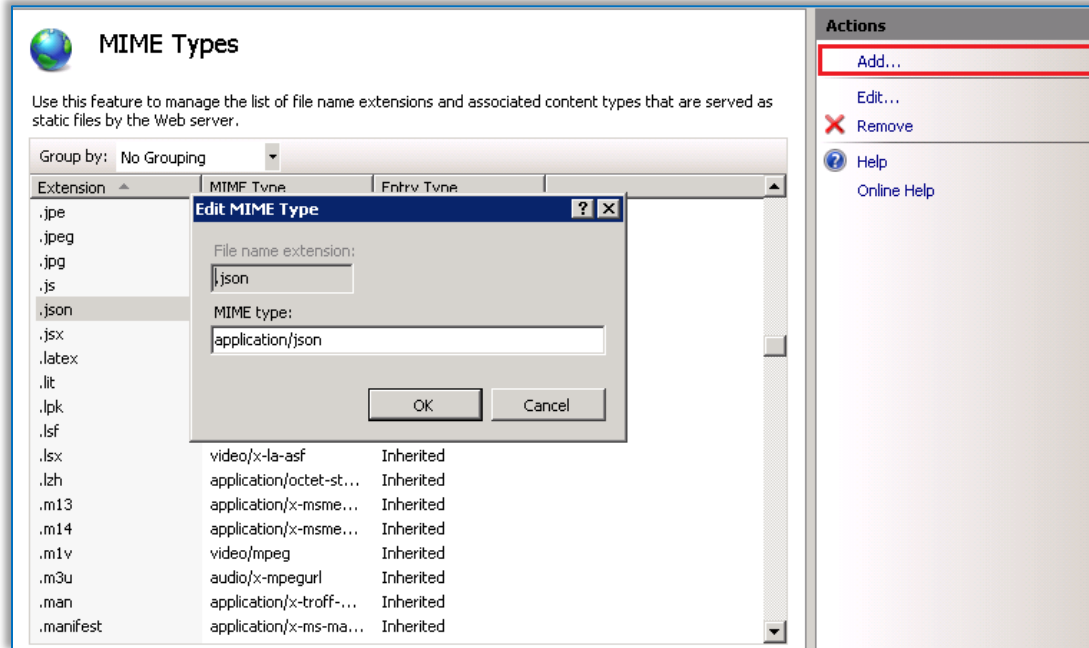
- Select VeSion in the Sites list
- Double-click MIME Types



Setting Up VeSion Website

MIME Types

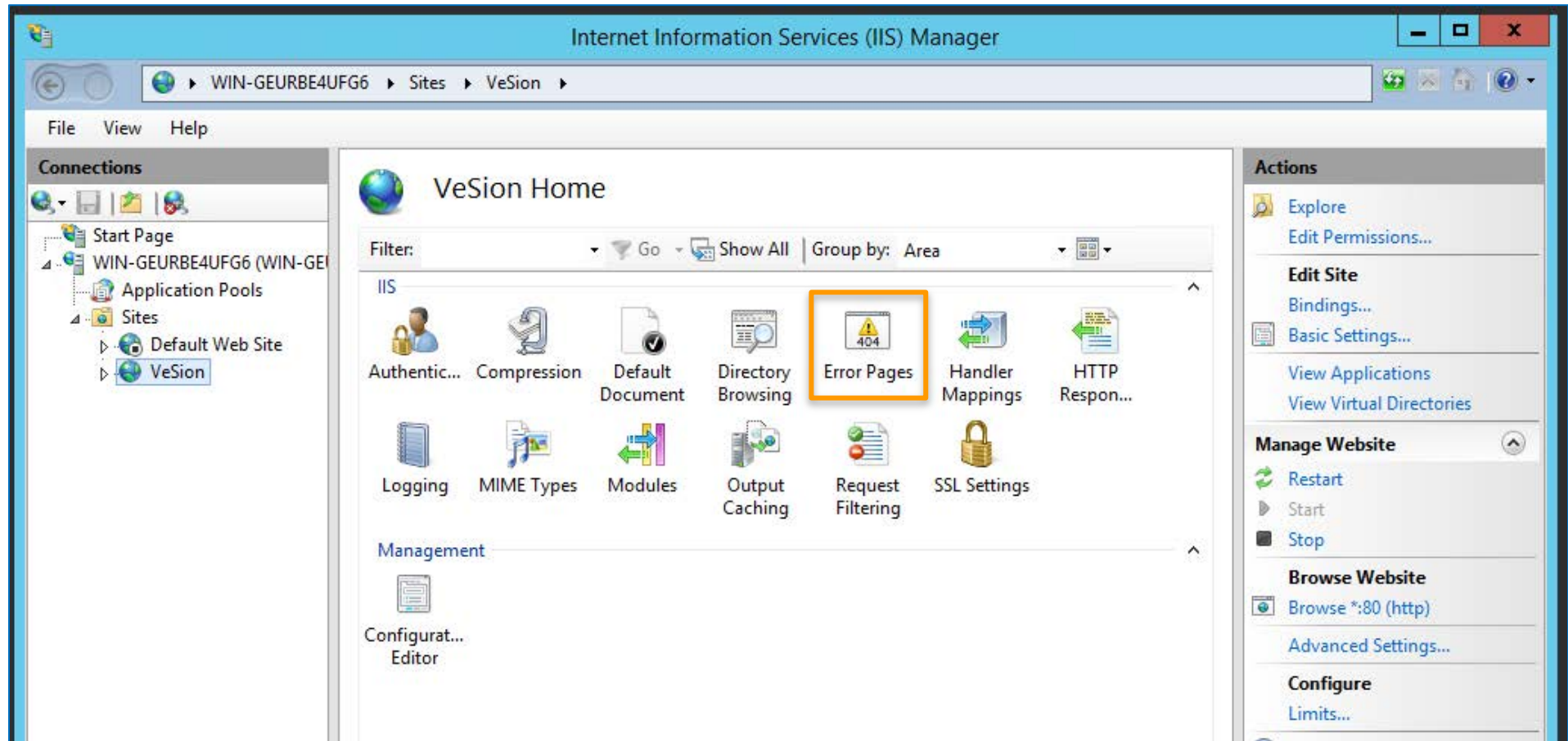
- Click on Add... in the Actions pane at the right.
- Add or modify the below 2 MIME types
 - Filename extension: .json
MIME type: application/json
 - Filename extension: .svg
MIME type: image/svg+xml



Setting Up VeSion Website

Error Pages

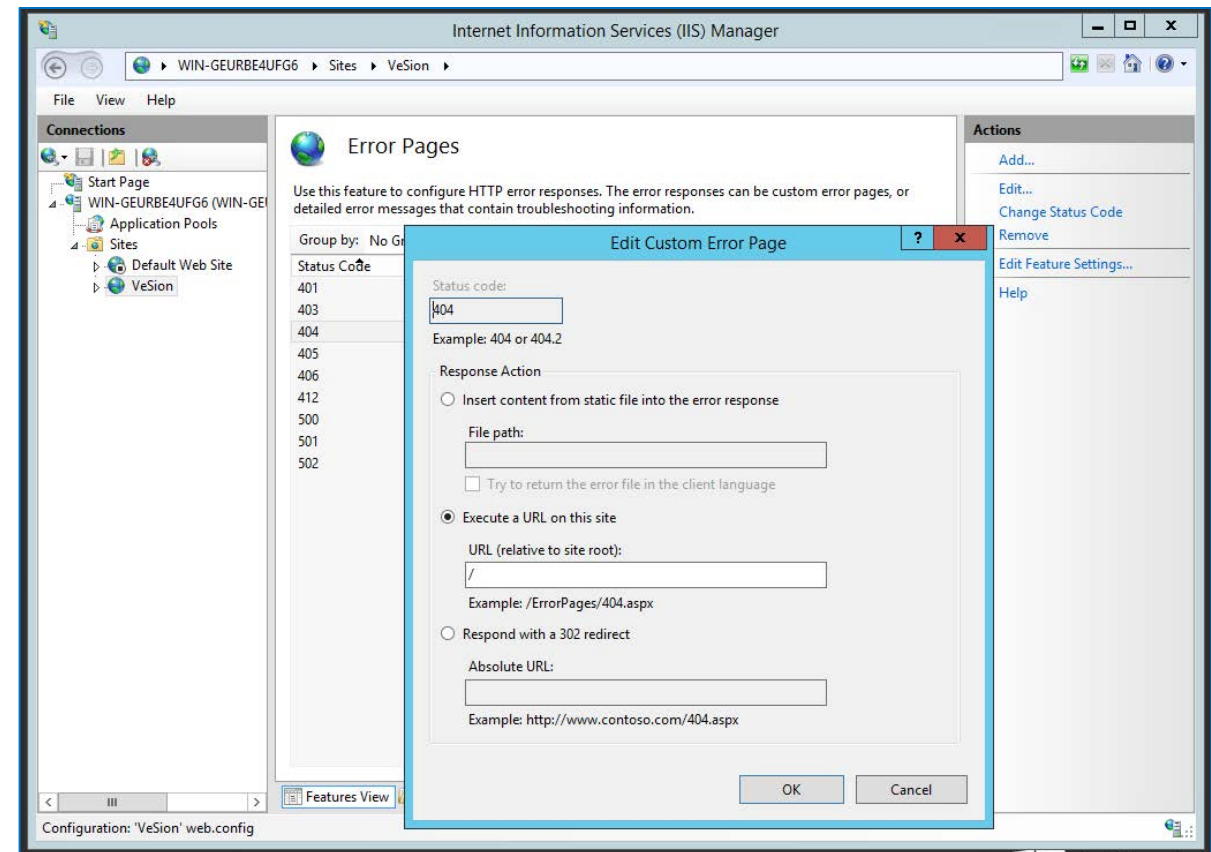
- Double click on Error Pages



Setting Up VeSion Website

Error Pages

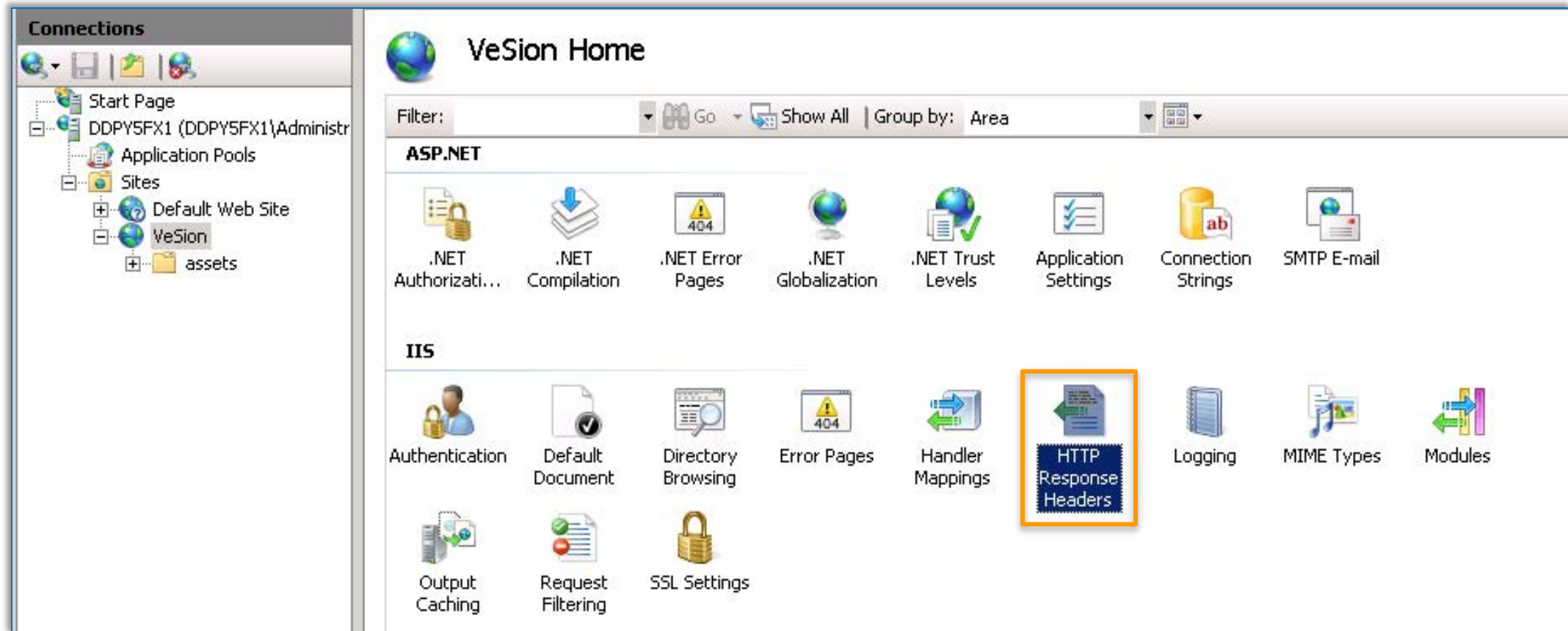
- This setting is to support user account password reset email function.
 - Double click Status Code 404 to edit the setting.
 - Select Execute a URL on this site and enter “ / ”



Setting Up VeSion Website

HTTP Response Headers

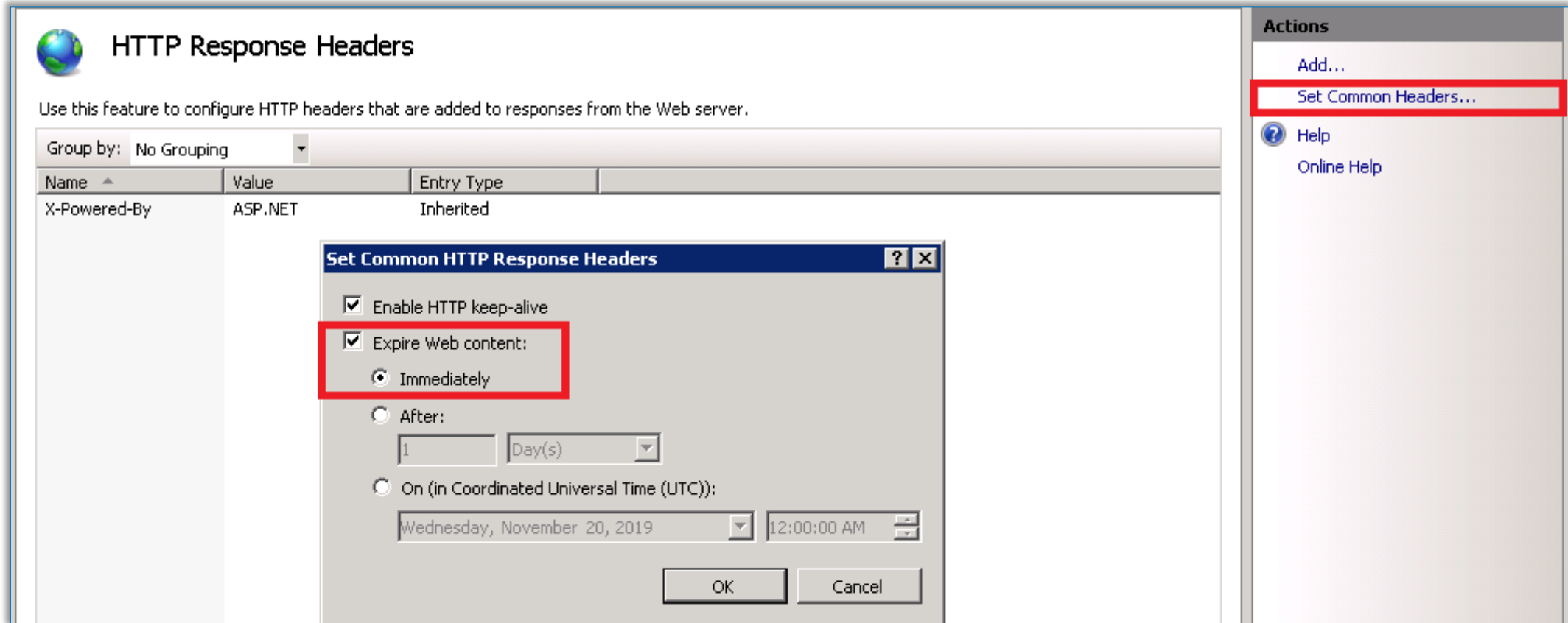
- Double click on HTTP Response Headers



Setting Up VeSion Website

Web content expiration

- In the left Actions pane, click on Set Common Headers... to bring up the Set Common HTTP Response Headers setting window.
- Enable Expire Web contents: Immediately.

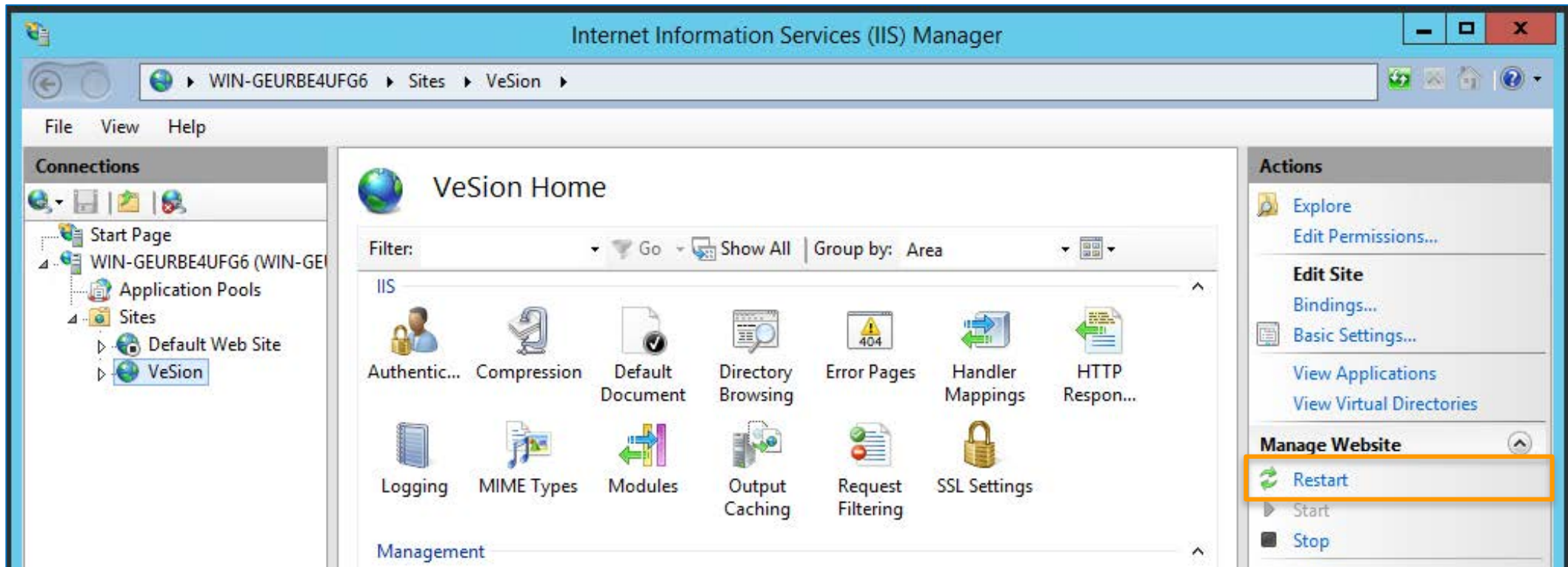


The screenshot shows the 'HTTP Response Headers' configuration window. The 'Actions' pane on the right has 'Set Common Headers...' highlighted with a red box. The 'Set Common HTTP Response Headers' dialog box is open, showing the 'Expire Web content:' option checked and 'Immediately' selected. The dialog also shows 'Enable HTTP keep-alive' checked and 'After:' set to 1 Day(s). The 'On (in Coordinated Universal Time (UTC)):' option is unselected, with a date of Wednesday, November 20, 2019, and a time of 12:00:00 AM.

Name	Value	Entry Type
X-Powered-By	ASP.NET	Inherited

Setting Up VeSion Website

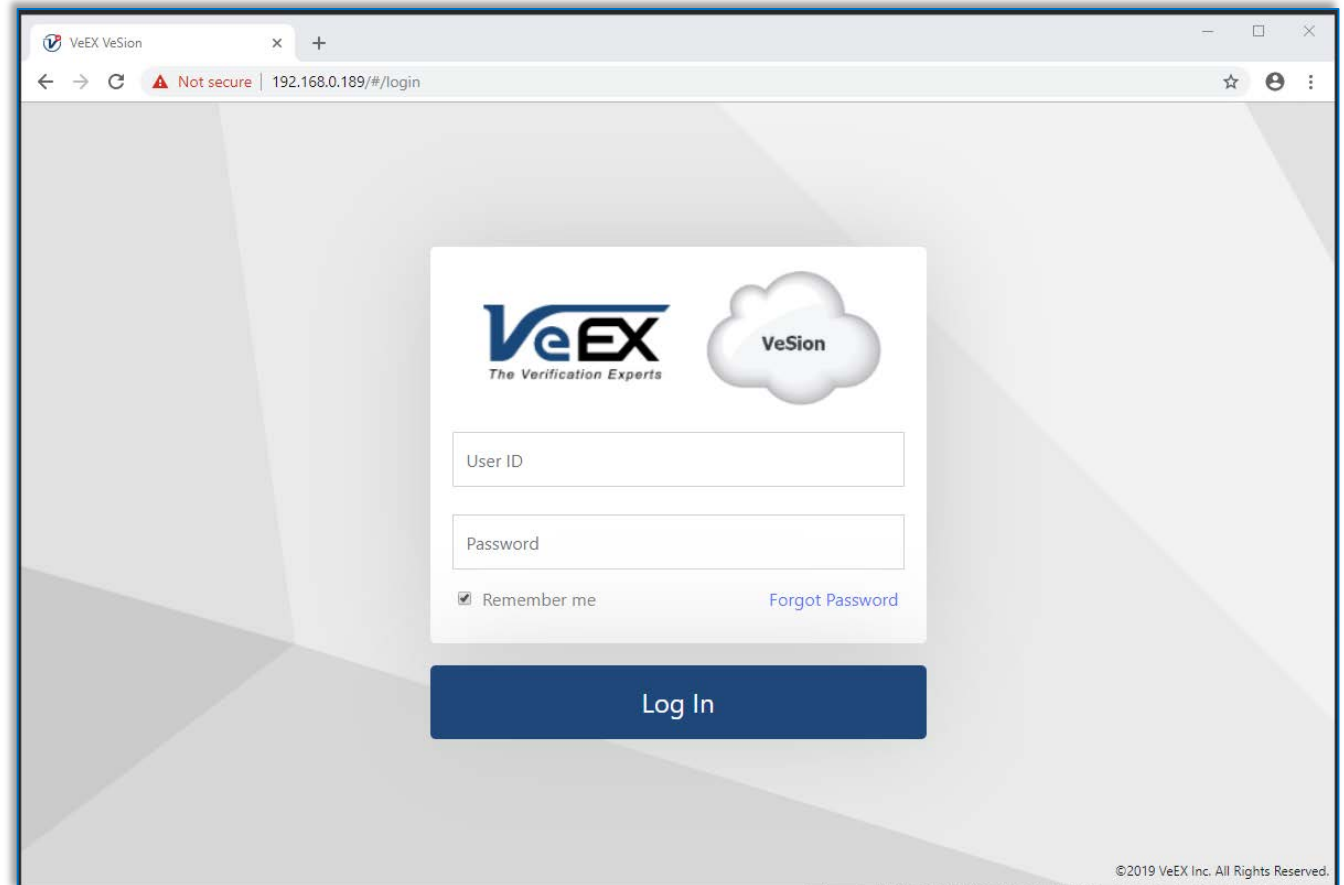
- Restart VeSion website



Setting up VeSion website

Logging in using web browser

- Use a high-score HTML5 compatible web-browser
 - Chrome is recommended.
- Enter the IP address of the VeSion server.
 - If the VeSion login web page is displayed this indicates that the VeSion website is active.
- Log in with the default user account
 - User ID: master
 - Password: master



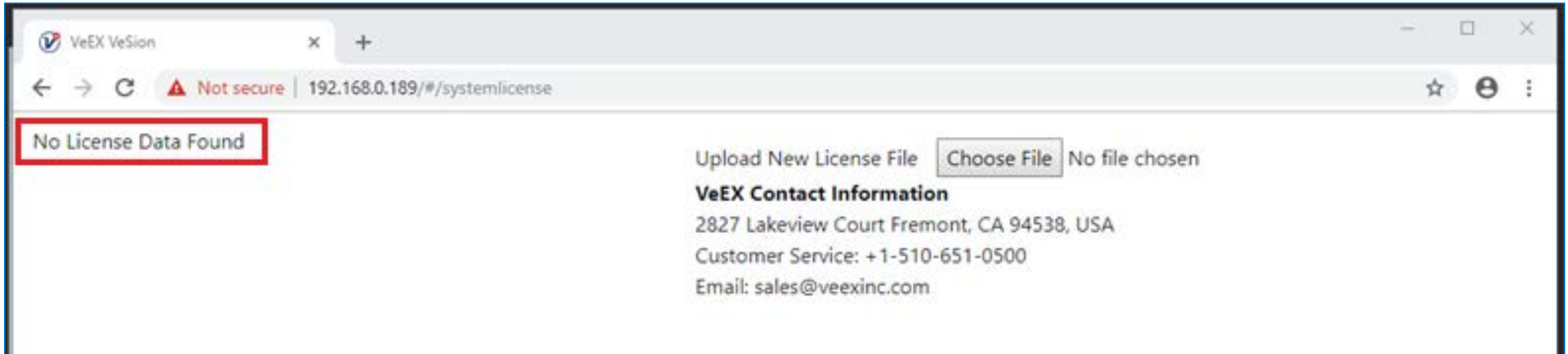
VeSion System License Upload

Step 7



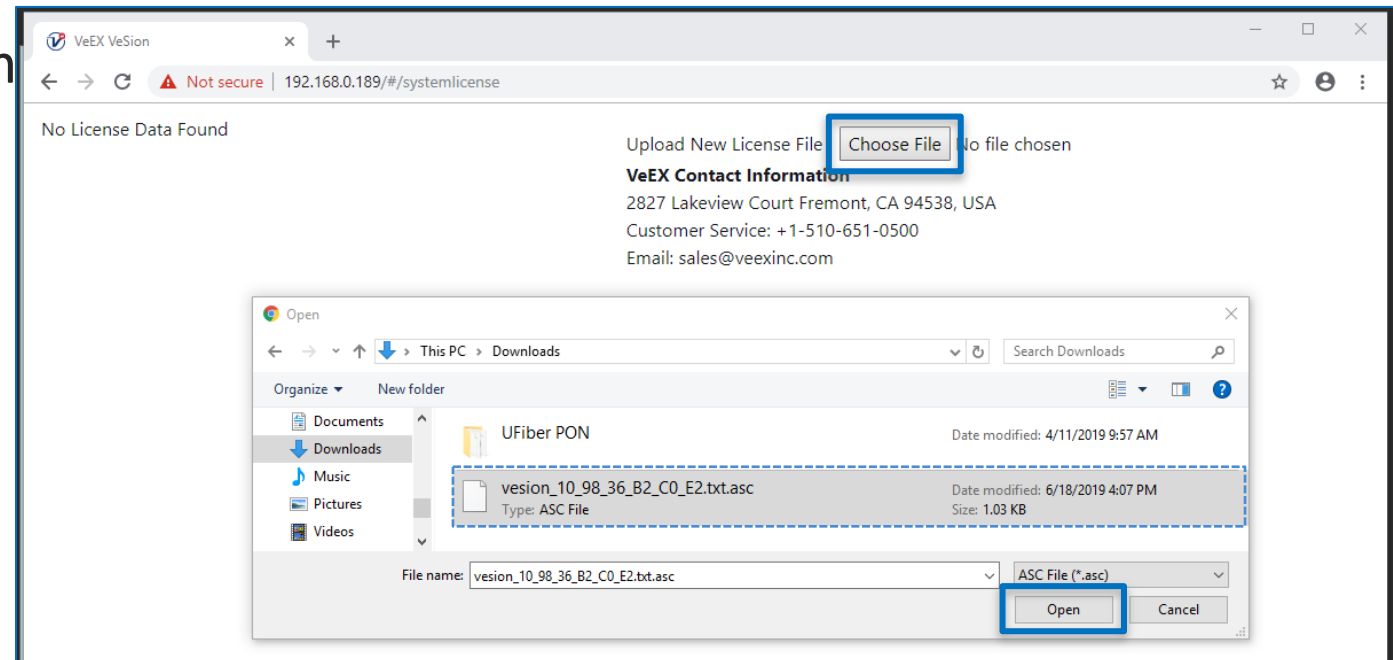
Uploading System License

- When logging in the VeSion system via web interface for the first time, after the installation is done, it will display the 'No License Data Found' message.
- Make sure the Ethernet port with the MAC address the VeSion Server is licensed for is in port linkup state.



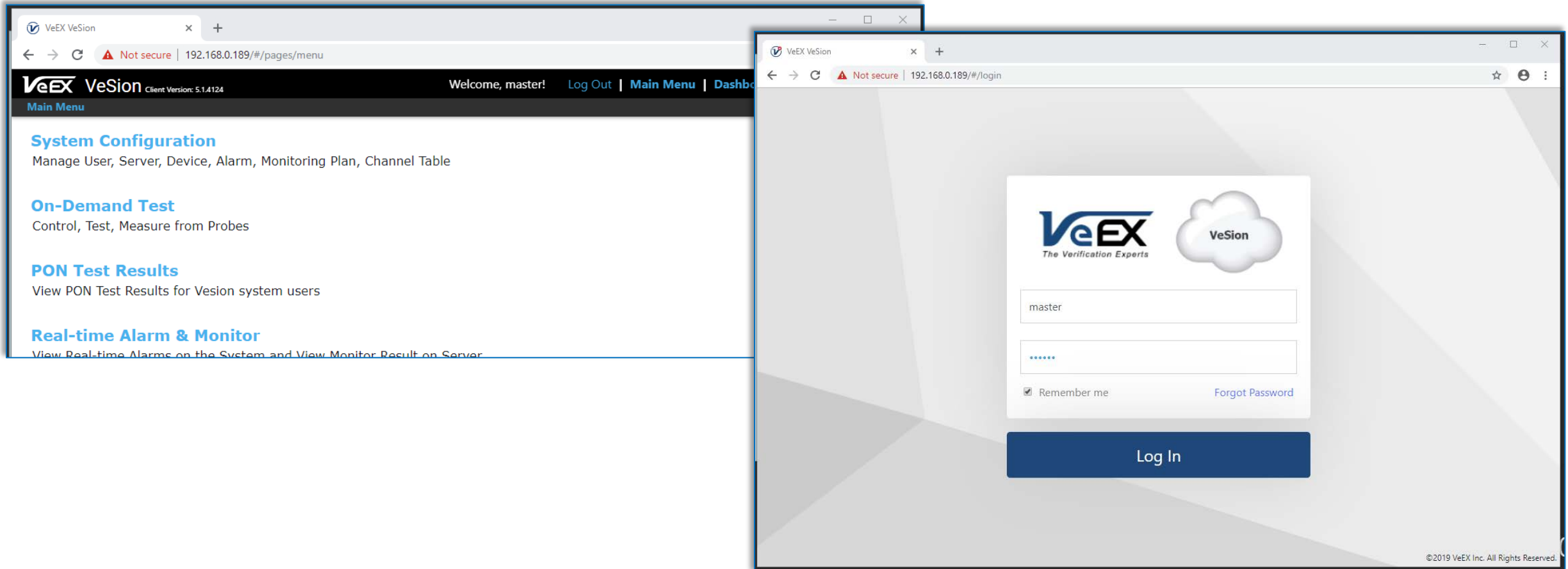
Uploading System License

- Click **Choose File** to upload the license file,
 - Licenses have the following file name format vesion_XX_XX_XX_XX_XX_XX.txt.asc, where XX_XX_XX_XX_XX_XX is the MAC address of the Ethernet port licensed.
- Click on the **Open** button
- Once the license is uploaded, the system will auto log out the user.
- Log in to the system again.



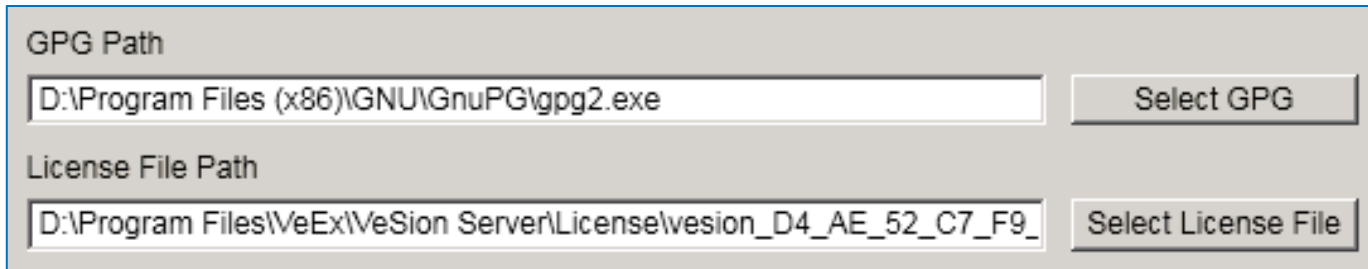
Uploading System License

- After uploading the license file successfully and logging in again, the web browser should display the Main Menu.



Uploading System License

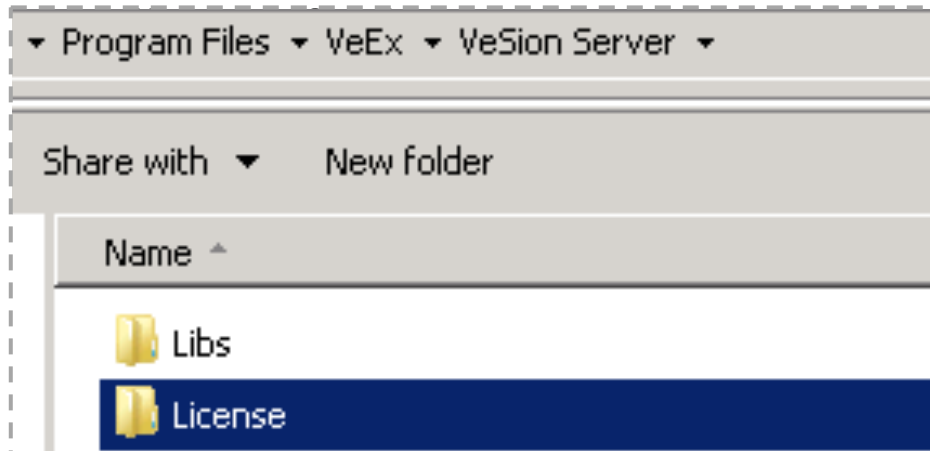
- Going back to the VeSion Server [Administrator > Configuration > Server Setting](#) tab, the License File Path is now populated with the license uploaded.



GPG Path
D:\Program Files (x86)\GNU\GnuPG\gpg2.exe

License File Path
D:\Program Files\VeEx\VeSion Server\License\vesion_D4_AE_52_C7_F9_

- A [License](#) folder containing the license file has been created under the VeSion Server




Thank you!

Any questions?

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News/Announcements


Training & Demos



*Orchestrate Your Network
with Our T&M Instruments*