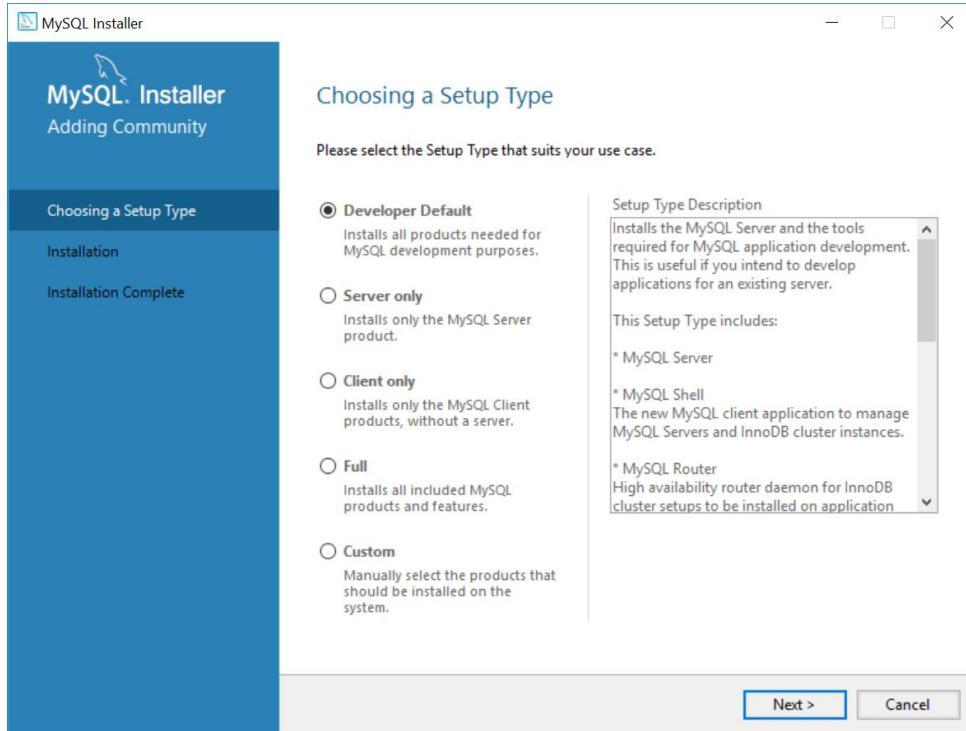
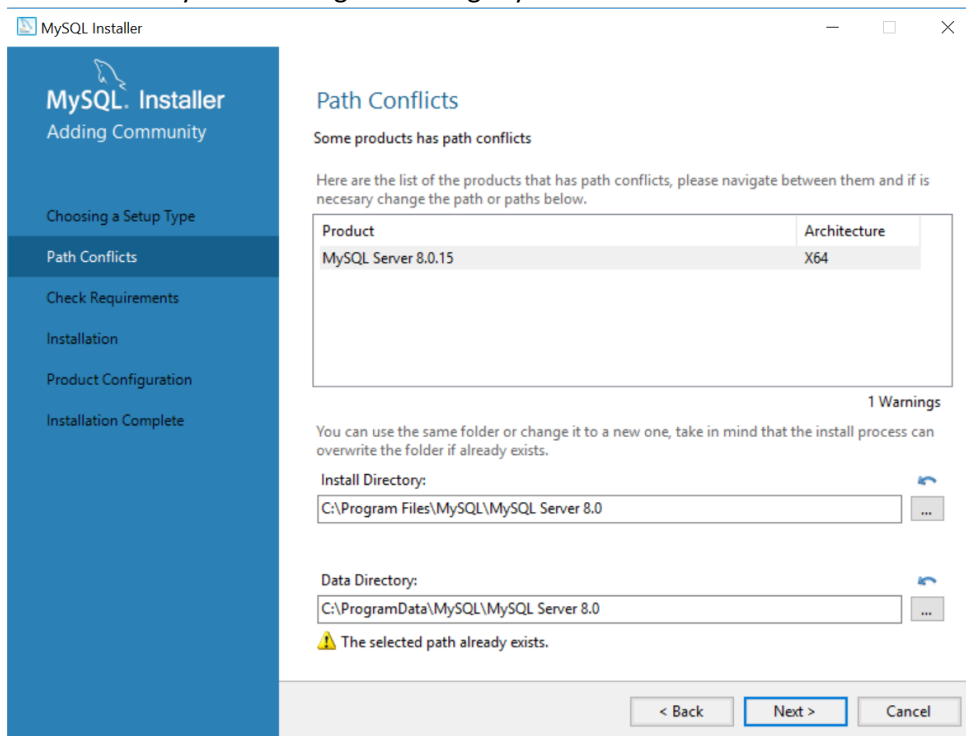


## Steps for setting up local database:

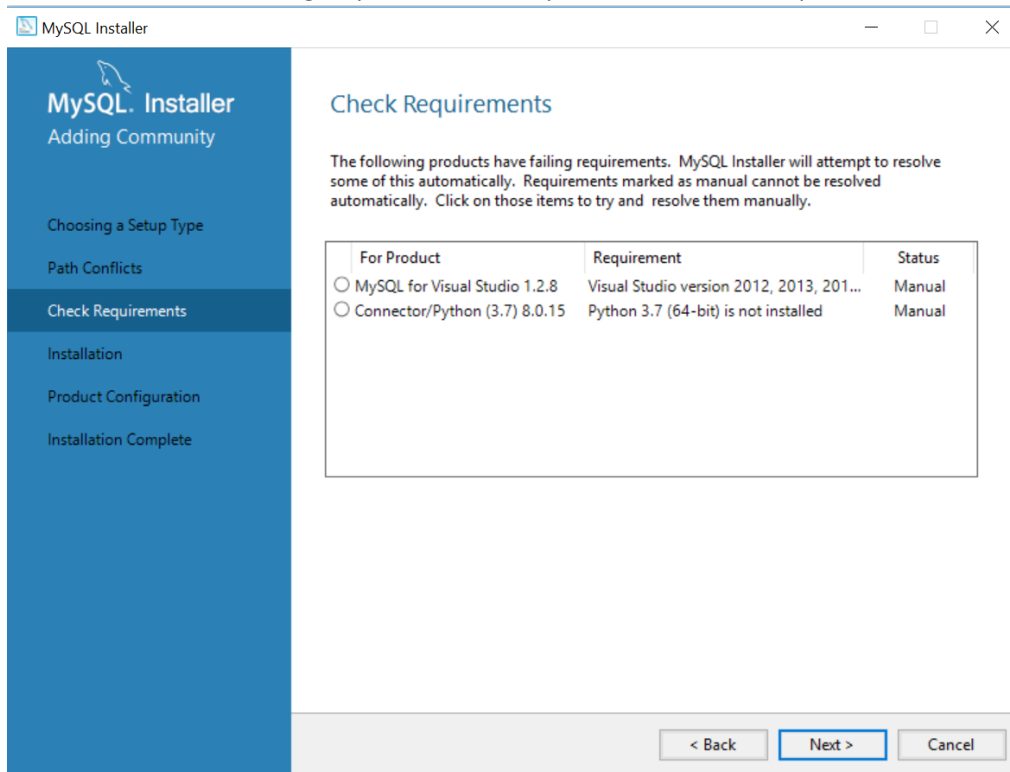
1. For Windows OS:  
Download MySQL Installer from <https://dev.mysql.com/downloads/installer/> and execute it.
2. Select Developer Default as Setup Type.



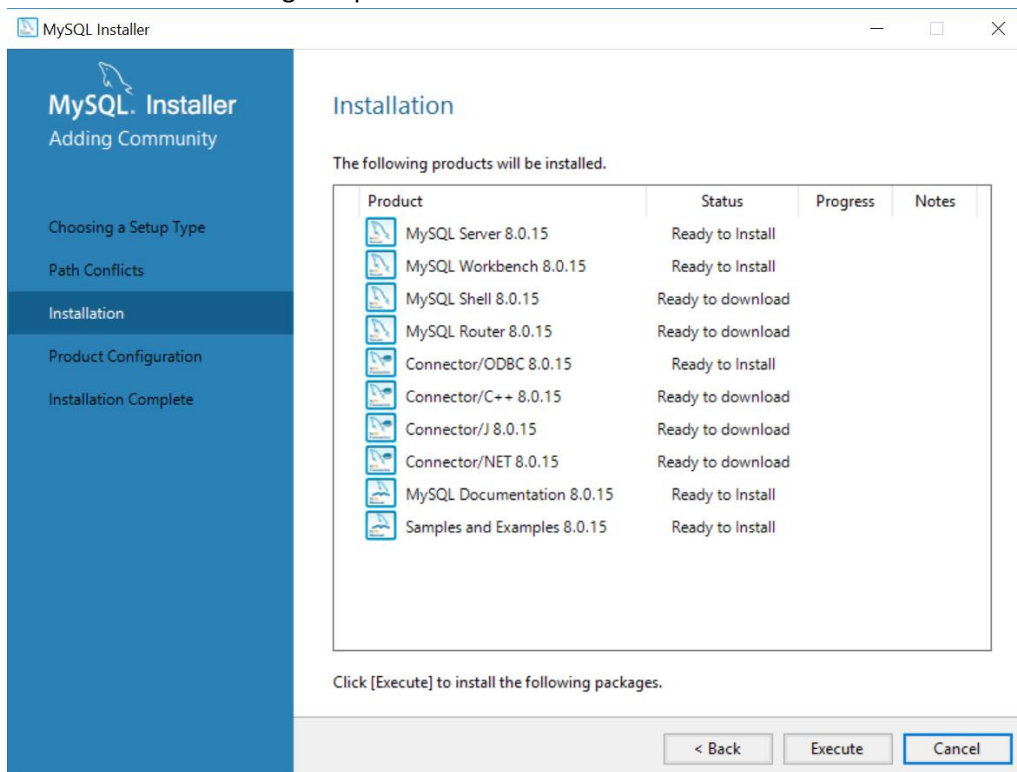
3. Select directory for installing and saving MySQL data files:



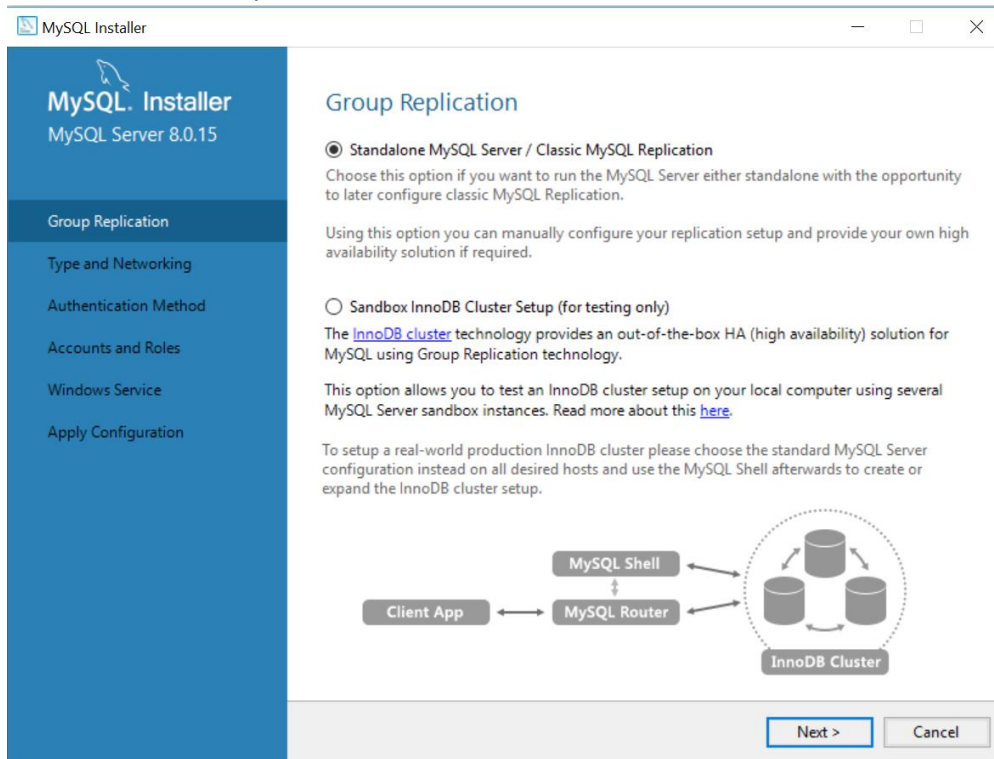
4. There should be no failing requirements except the ones which require manual installation:



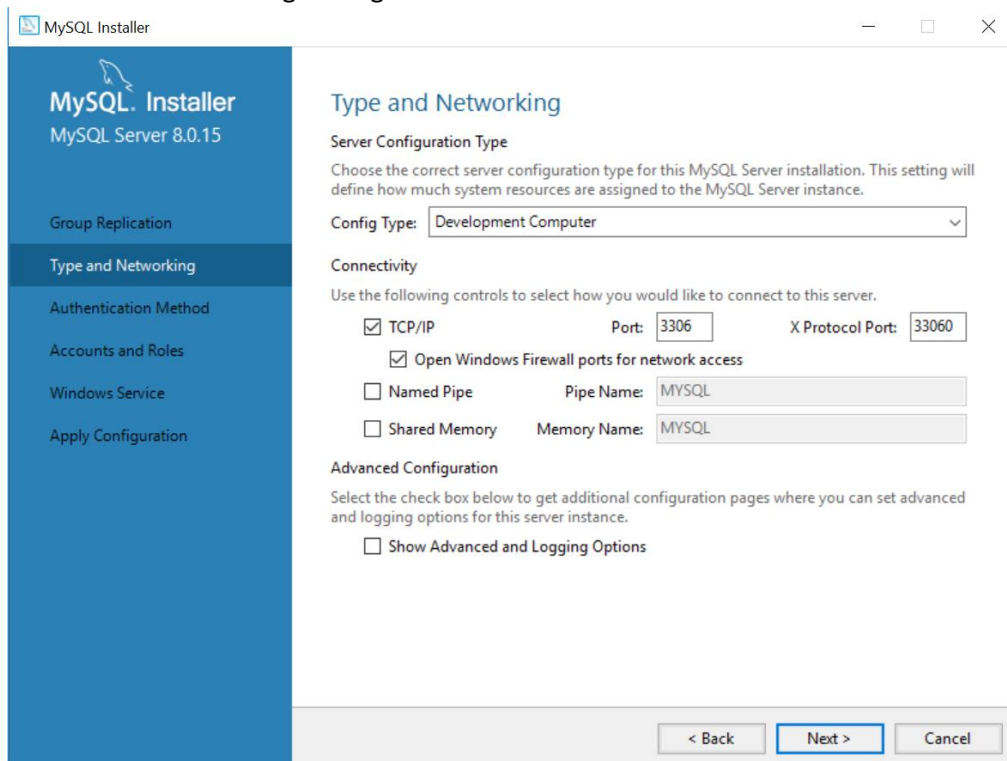
5. Make sure the following components are installed:



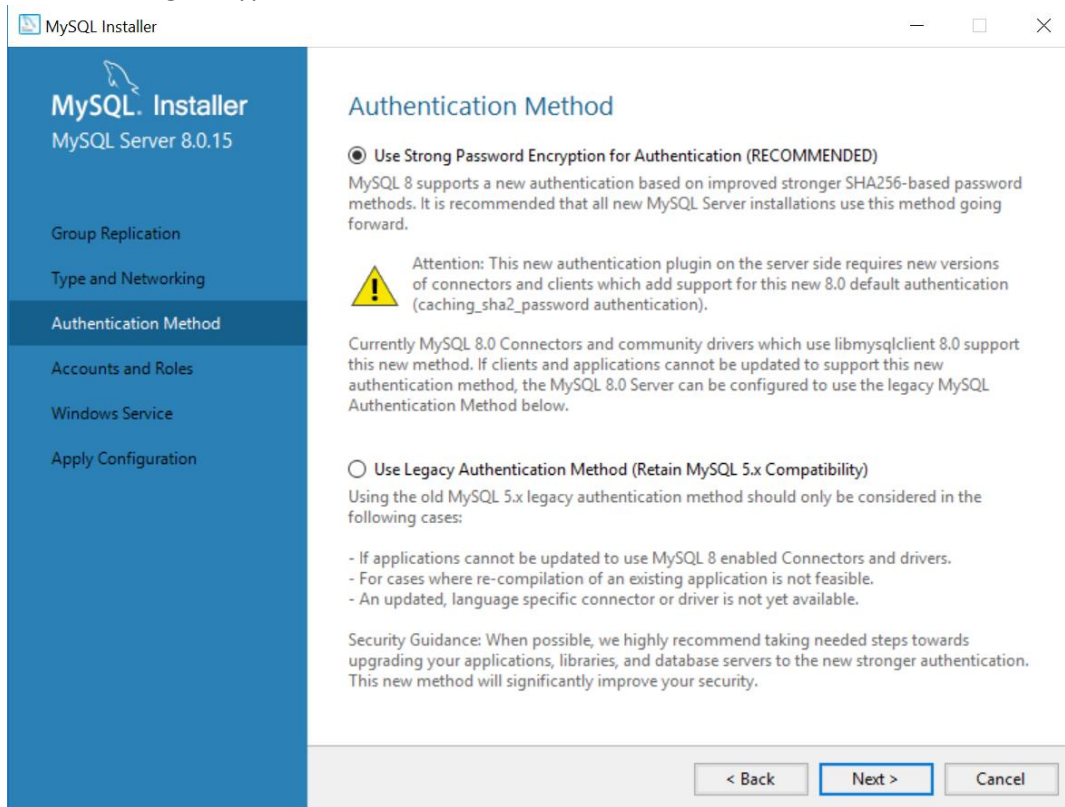
## 6. Select Standalone MySQLServer



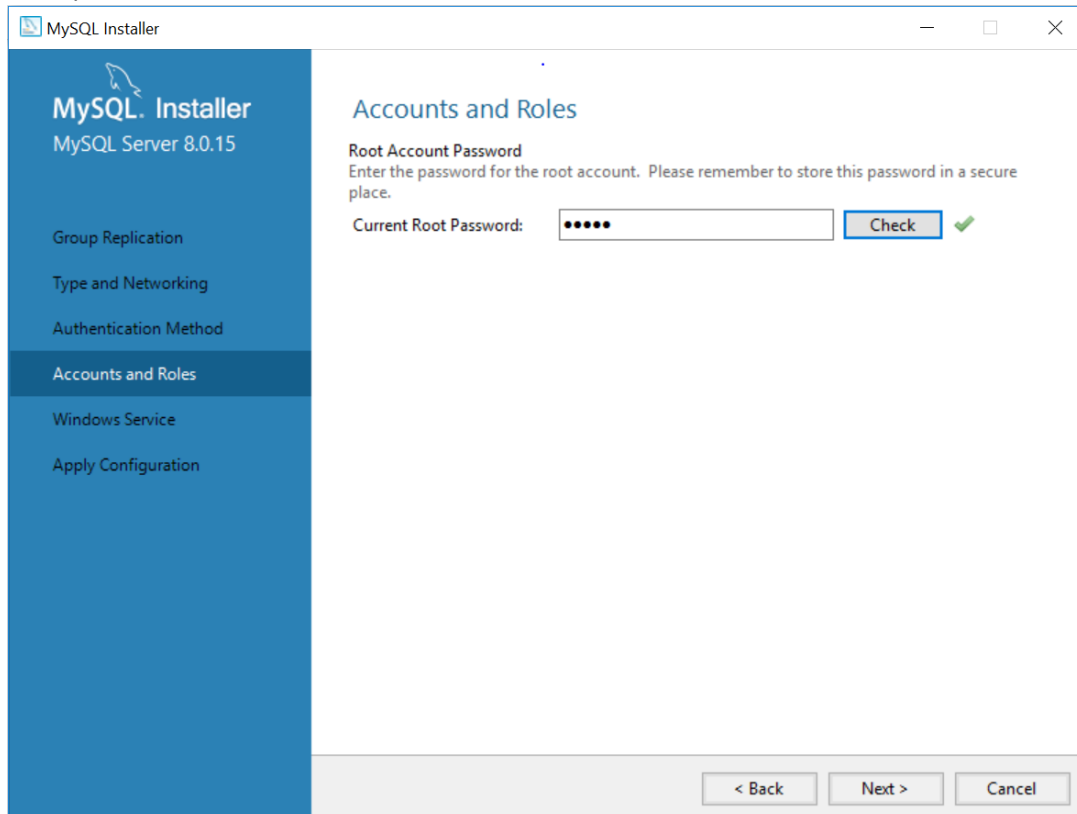
## 7. Make sure the following settings are followed:



8. Choose strong encryption method:



9. Set a password for root user



10. Check the checkboxes as given to start MySQL Server on Windows startup. If you do not select the start on startup option, you will have to manually start the server every time before trying to connect to the local database.

The screenshot shows the 'MySQL Installer' window for 'MySQL Server 8.0.15'. The left sidebar has tabs for 'Group Replication', 'Type and Networking', 'Authentication Method', 'Accounts and Roles', 'Windows Service' (selected), and 'Apply Configuration'. The main area is titled 'Windows Service' and contains the following options:

- ☒ Configure MySQL Server as a Windows Service
- Windows Service Details**  
Please specify a Windows Service name to be used for this MySQL Server instance. A unique name is required for each instance.  
Windows Service Name:
- ☒ Start the MySQL Server at System Startup
- Run Windows Service as ...**  
The MySQL Server needs to run under a given user account. Based on the security requirements of your system you need to pick one of the options below.
  - ☒ Standard System Account  
Recommended for most scenarios.
  - ☐ Custom User  
An existing user account can be selected for advanced scenarios.

At the bottom right are buttons for '< Back', 'Next >', and 'Cancel'.

11. Click execute in the apply configuration tab and then click finish as shown below and in the following step and your installation is complete.

The screenshot shows the 'MySQL Installer' window for 'MySQL Router 8.0.15'. The left sidebar has tabs for 'MySQL Router Configuration' (selected) and 'Apply Configuration'. The main area is titled 'MySQL Router Configuration' and contains the following options:

- ☐ Bootstrap MySQL Router for use with InnoDB cluster
- This wizard can bootstrap MySQL Router to direct traffic between MySQL applications and a MySQL InnoDB cluster. Applications that connect to the router will be automatically directed to an available read/write or read-only member of the cluster.
- The bootstrapping process requires a connection to the InnoDB cluster. In order to register the MySQL Router for monitoring, use the current Read/Write instance of the cluster.  
Hostname:   
Port:   
Management User:   
Password:
- MySQL Router requires specification of a base port (between 80 and 65532). The first port is used for classic read/write connections. The other ports are computed sequentially after the first port. If any port is indicated to be in use, please change the base port.
- Classic MySQL protocol connections to InnoDB cluster:**  
Read/Write:   
Read Only:
- MySQL X protocol connections to InnoDB cluster:**  
Read/Write:   
Read Only:

At the bottom right are buttons for 'Finish' and 'Cancel'.

12. For any other Operating System follow the link to download installer for MySQL:  
<https://dev.mysql.com/doc/mysql-getting-started/en/#mysql-getting-started-installing>  
Select the Developer Default while installing as Setup Type and make sure the following components are installed:
  - MySQL Server 8.0.15
  - MySQL Workbench 8.0.15
  - Connector/ODBC 8.0.15
13. Open MySQL Workbench as root user and open the slack-database.sql file present under Development/ChatServer/src/main/resources in the project repository and execute the queries.
14. Local database setup is done.