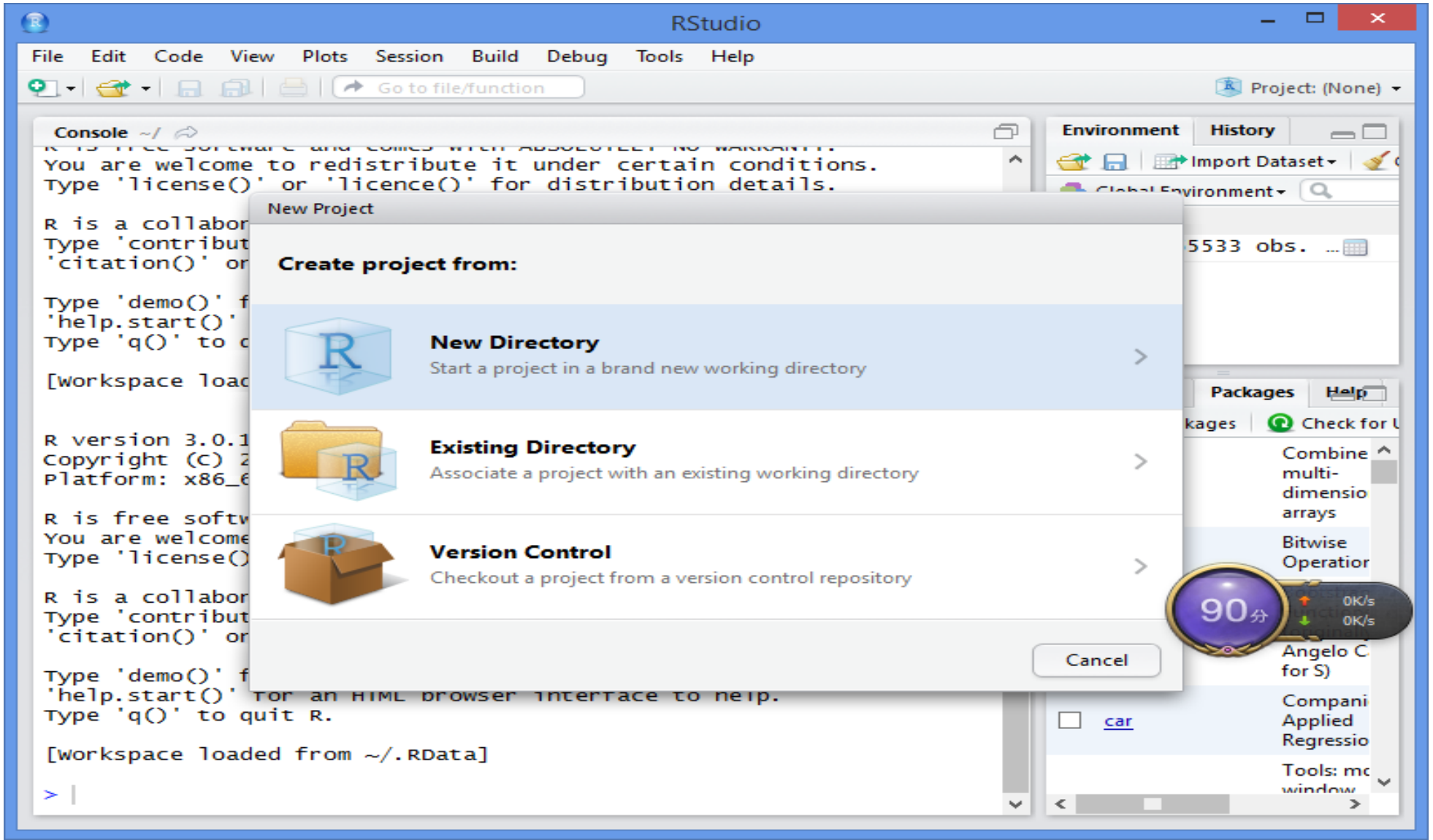
# Environment Settings of R, Netdraw, MySQL, and Java

# 1. Install R and R Studio

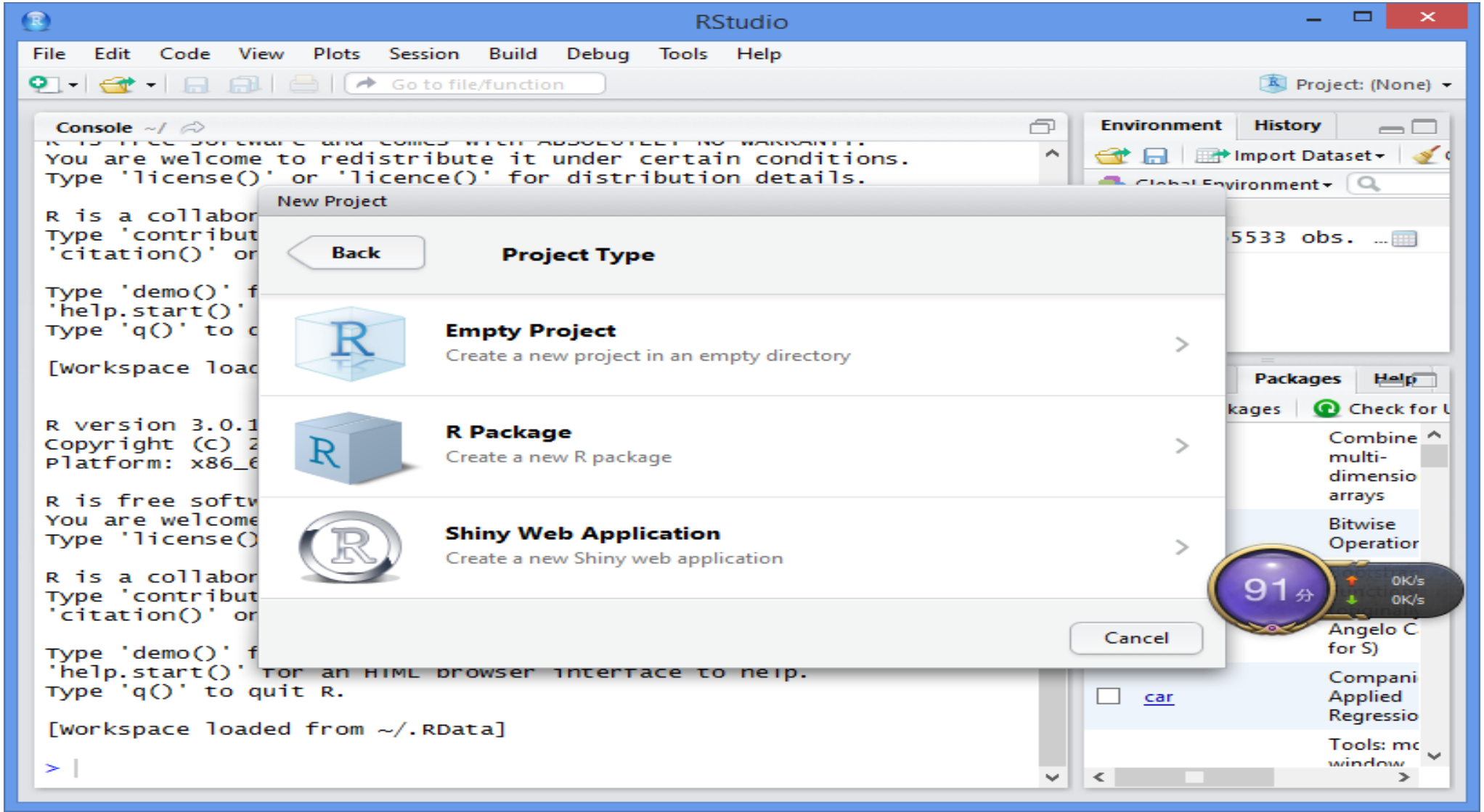
http://www.rstudio.com/products/rstudio/download/
http://cran.rstudio.com/

Download and install R and R Studio

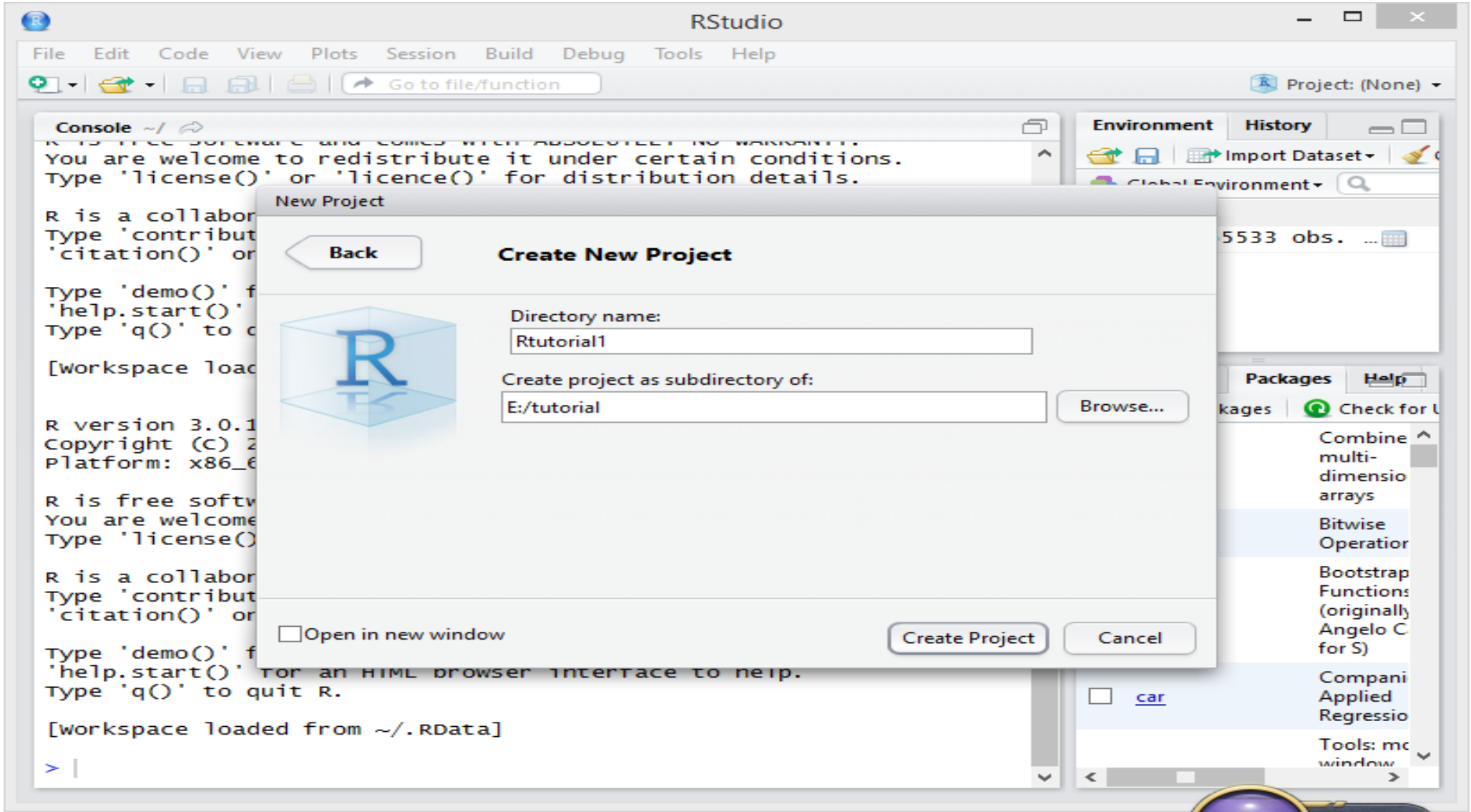
# File -> New Project.. -> New Directory



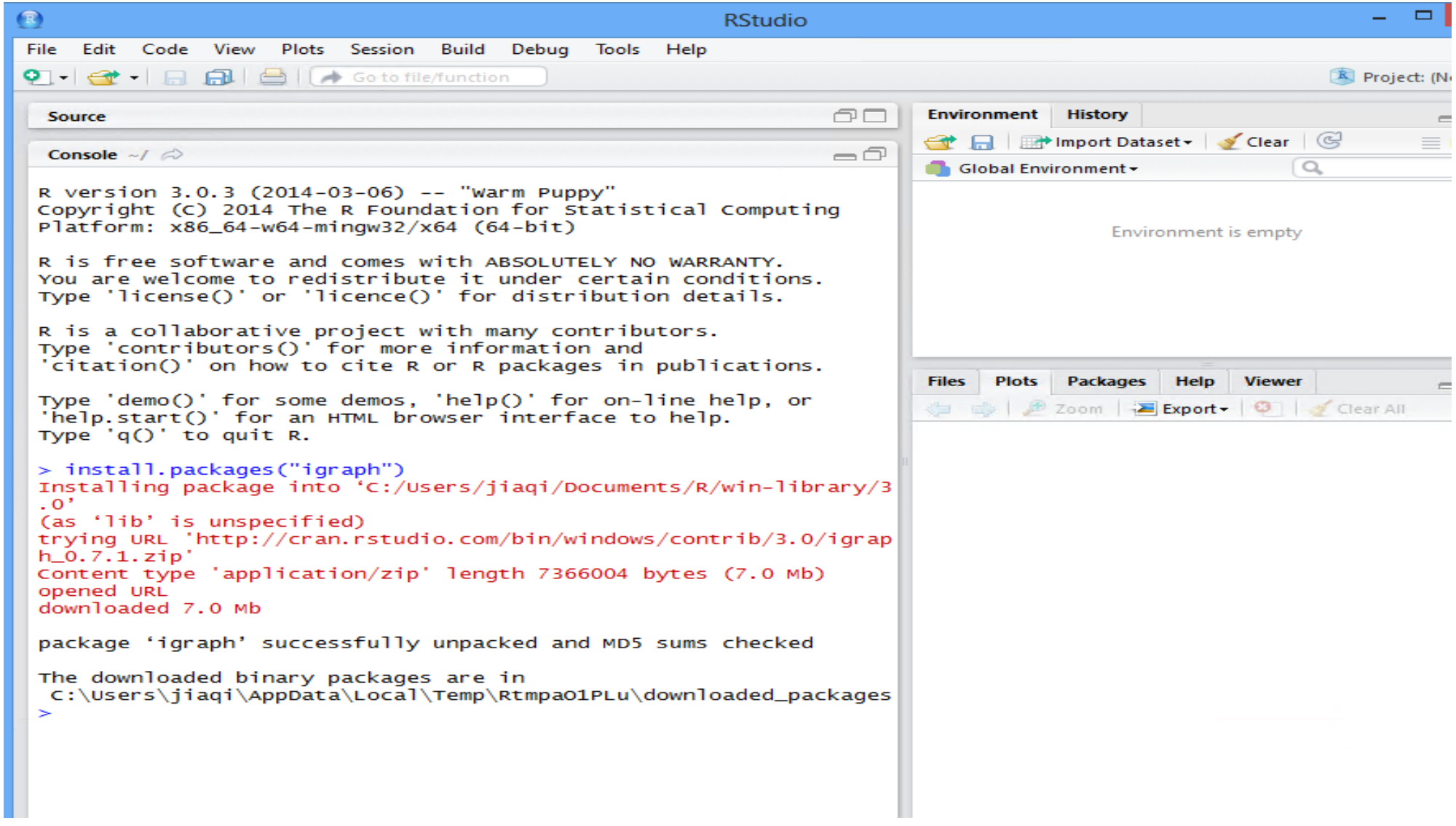
# Empty Project



# Set your project directory



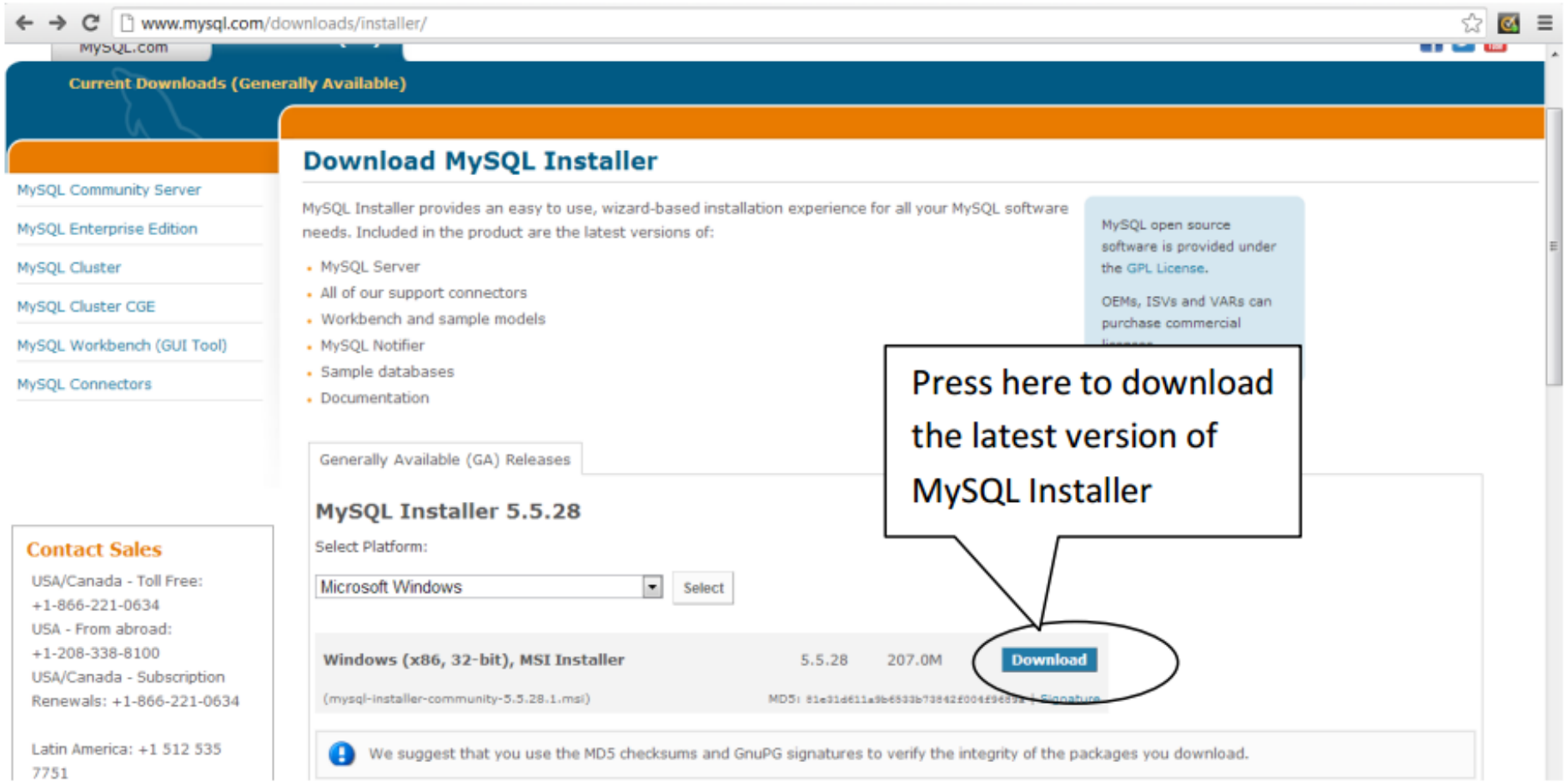
# install.packages("igraph")

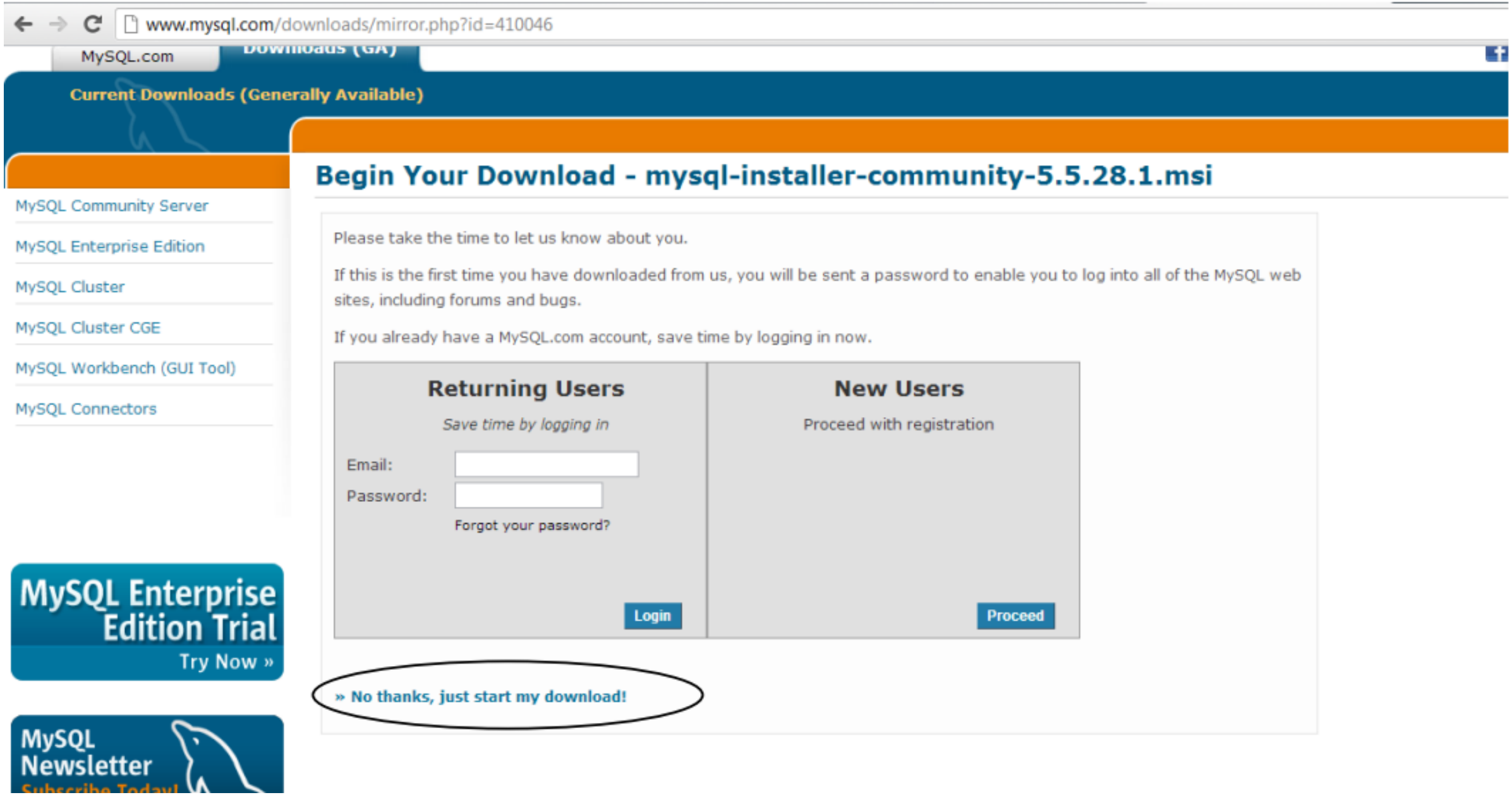


# Save and Exit

# 2. Install MySQL

- Go to http://www.mysql.com/downloads/installer/ to download the latest version of MySQL Installer.




www.mysql.com/downloads/mirror.php?id=410046
MySQL.com
Current Downloads (Generally Available)
MySQL Community Server
MySQL Enterprise Edition
MySQL Cluster
MySQL Cluster CGE
MySQL Workbench (GUI Tool)
MySQL Connectors
Begin Your Download - mysql-installer-community-5.5.28.1.msi
Please take the time to let us know about you.
If this is the first time you have downloaded from us, you will be sent a password to enable you to log into all of the MySQL web sites, including forums and bugs.
If you already have a MySQL.com account, save time by logging in now.
Returning Users
Save time by logging in
Email:
Password:
Forgot your password?
Login
New Users
Proceed with registration
Proceed
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MySQL Installer
Welcome
MySQL
The MySQL Installer guides you through the installation and configuration of your MySQL products. Run it from the Start Menu to perform maintenance tasks l
Click to install
Select one of the actions below:
Install MySQL Products
Guide you through the installation and configuration of your MySQL products.
About MySQL
Learn more about MySQL products and better understand how you can benefit the most.
Resources
Get more information on how to install MySQL and configure it to run efficiently on your machine.
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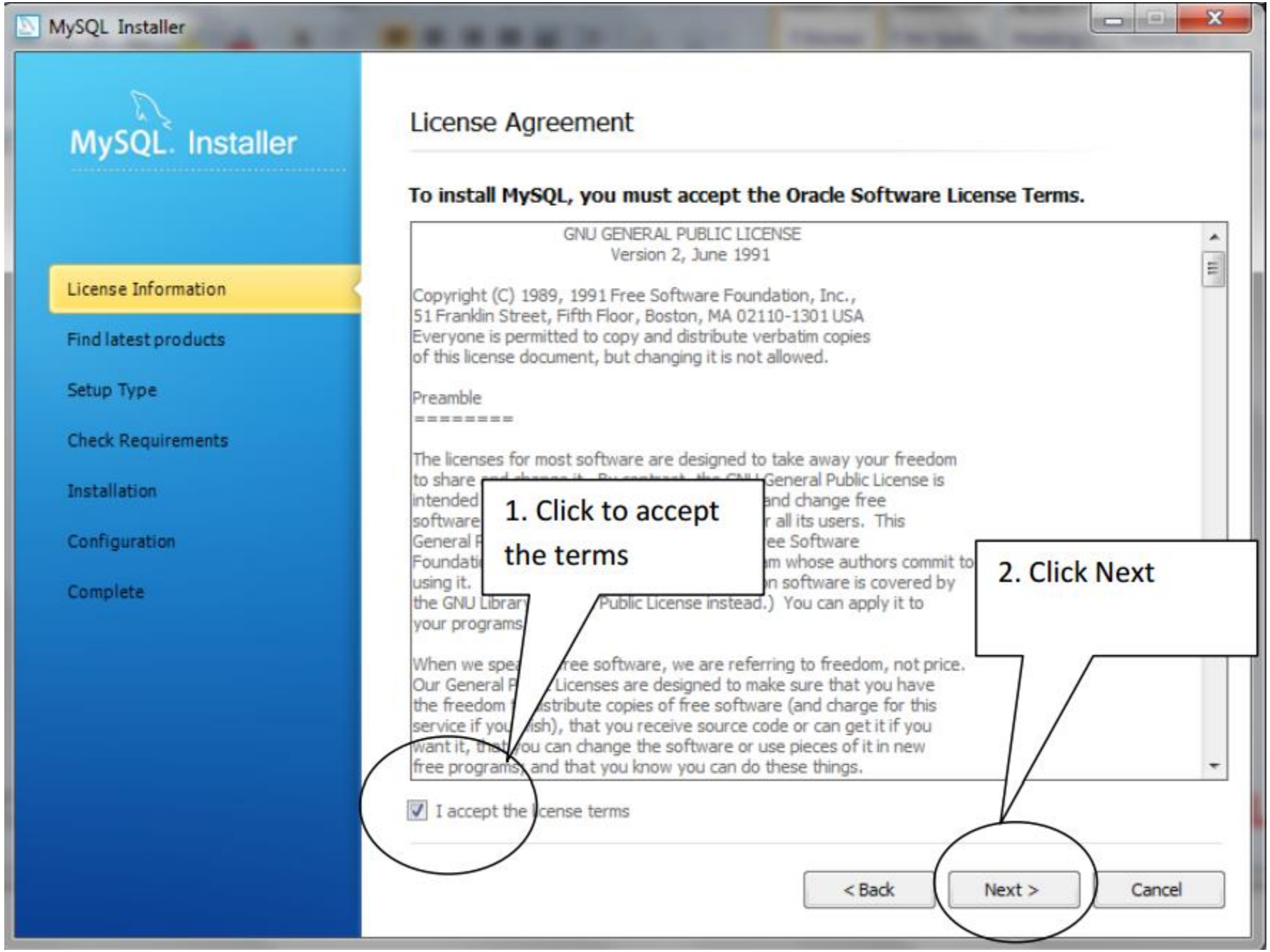
ORACLE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Installation
Configuration
Complete
License Agreement
To install MySQL, you must accept the Oracle Software License Terms.
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991
Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
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Preamble
========
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2. Click Next
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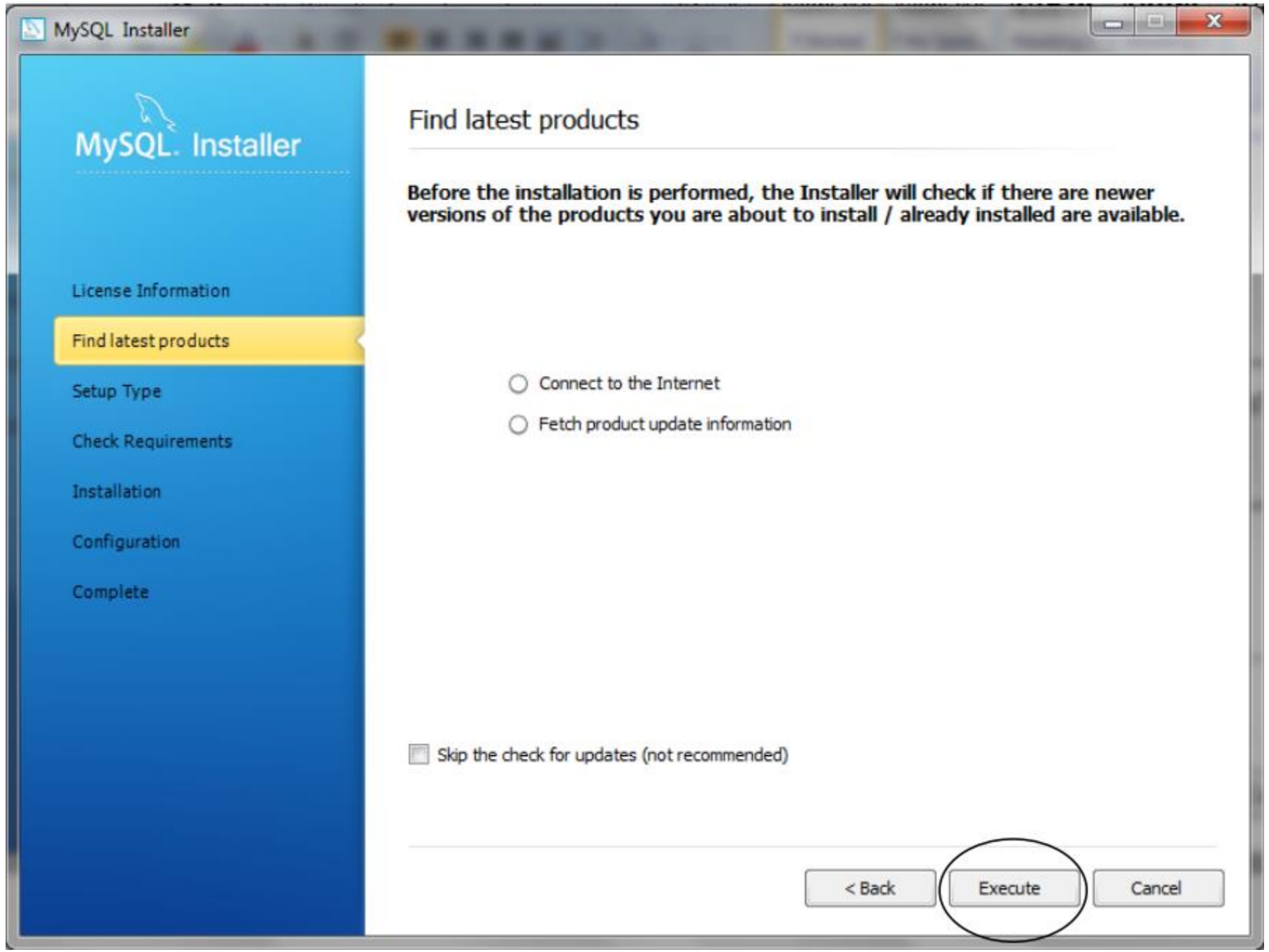
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Setup Type
Check Requirements
Installation
Configuration
Complete
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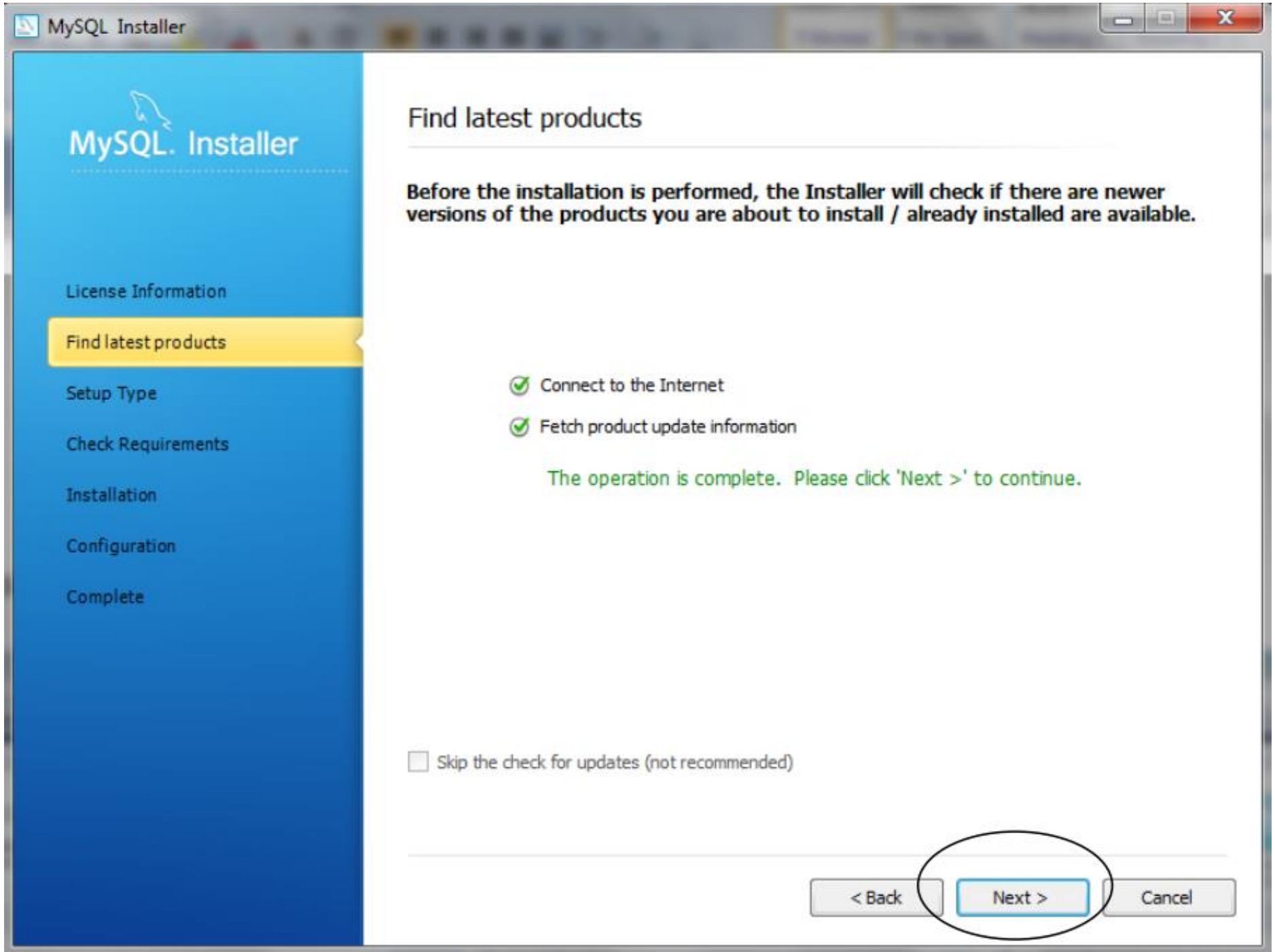
Before the installation is performed, the Installer will check if there are newer versions of the products you are about to install / already installed are available.
Connect to the Internet
Fetch product update information
Skip the check for updates (not recommended)
< Back
Execute
Cancel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Find latest products
Setup Type
Check Requirements
Installation
Configuration
Complete
Find latest products
Before the installation is performed, the Installer will check if there are newer versions of the products you are about to install / already installed are available.
Connect to the Internet
Fetch product update information
The operation is complete. Please click 'Next >' to continue.
Skip the check for updates (not recommended)
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Next >
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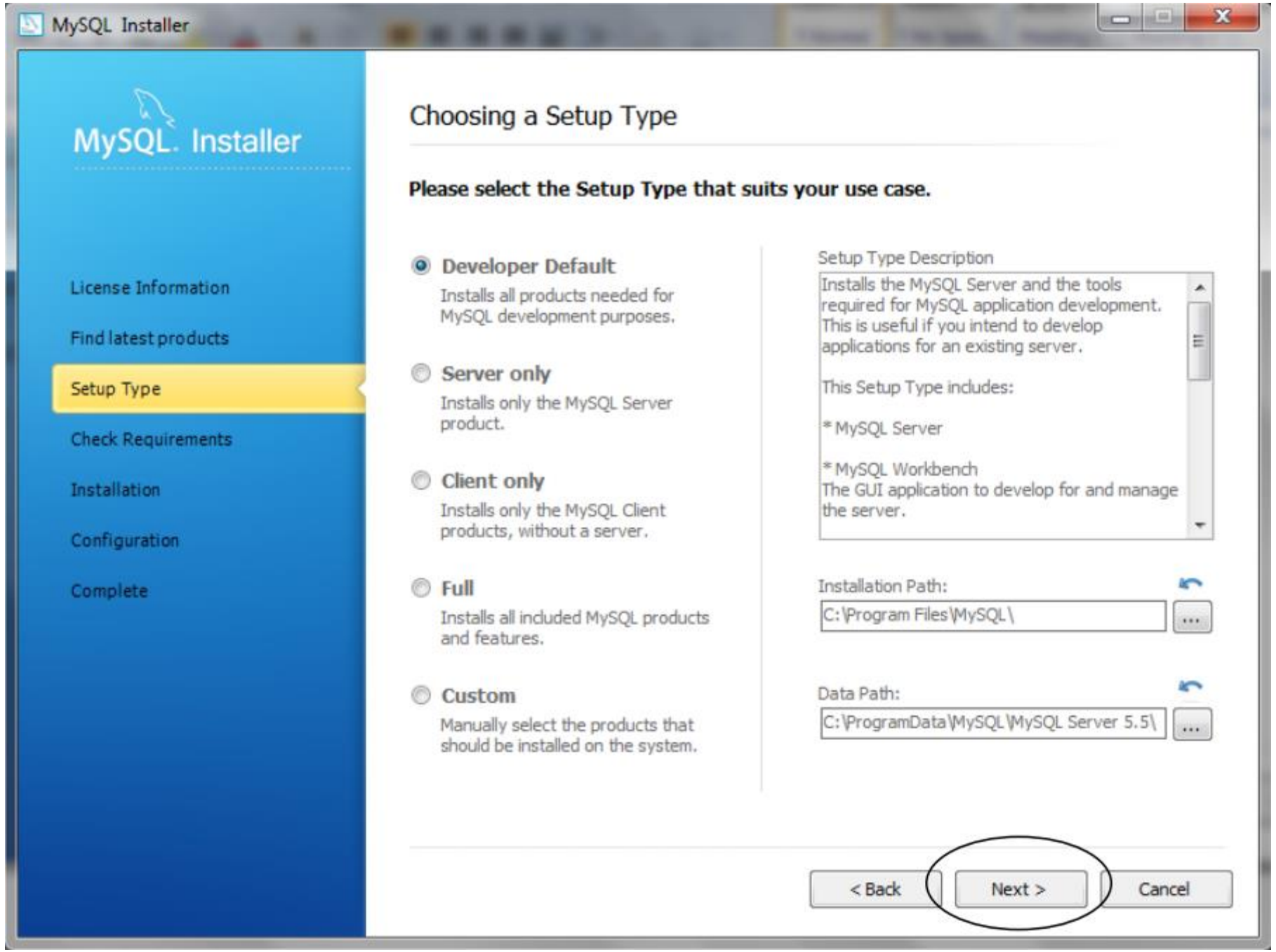
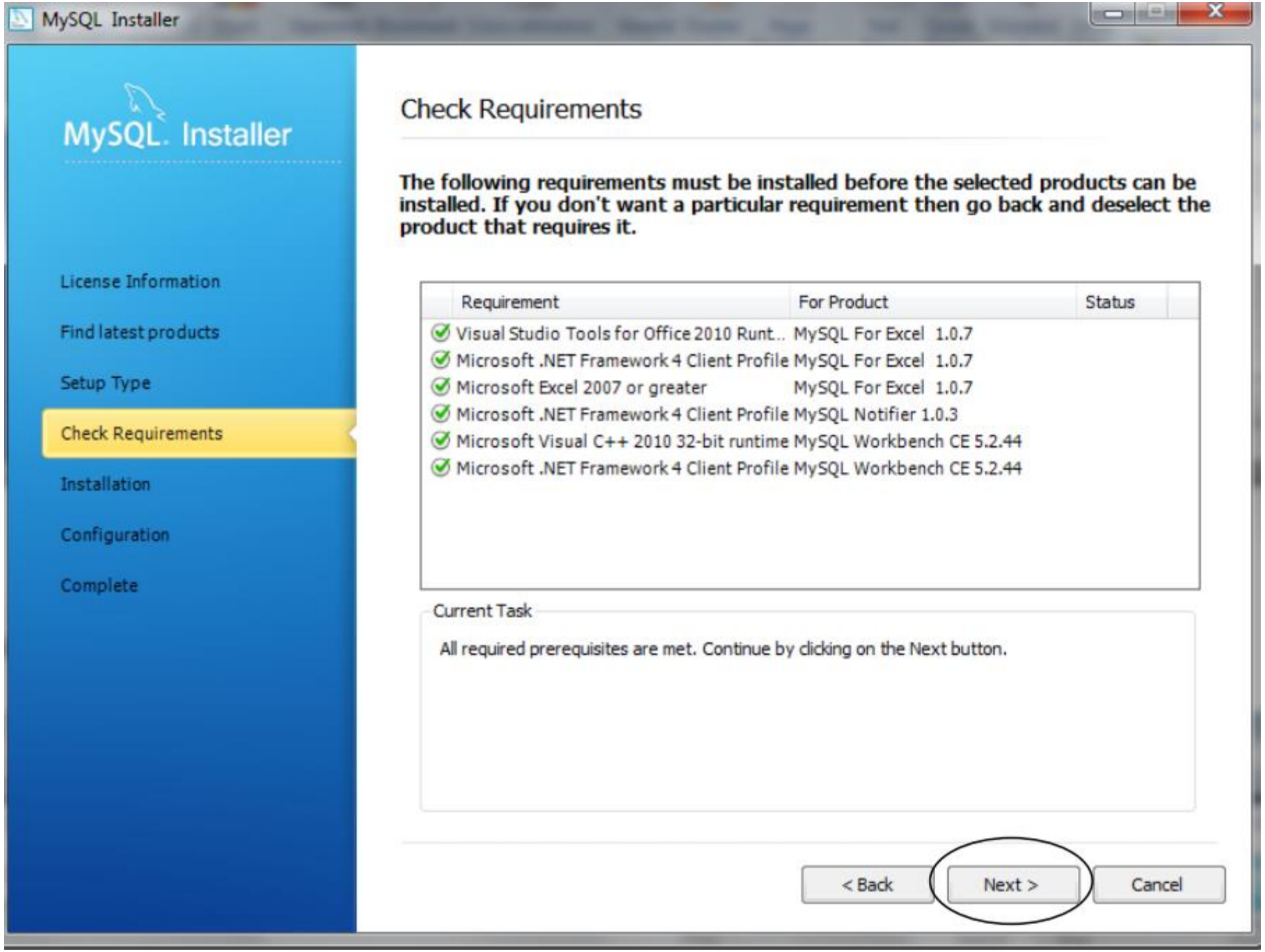
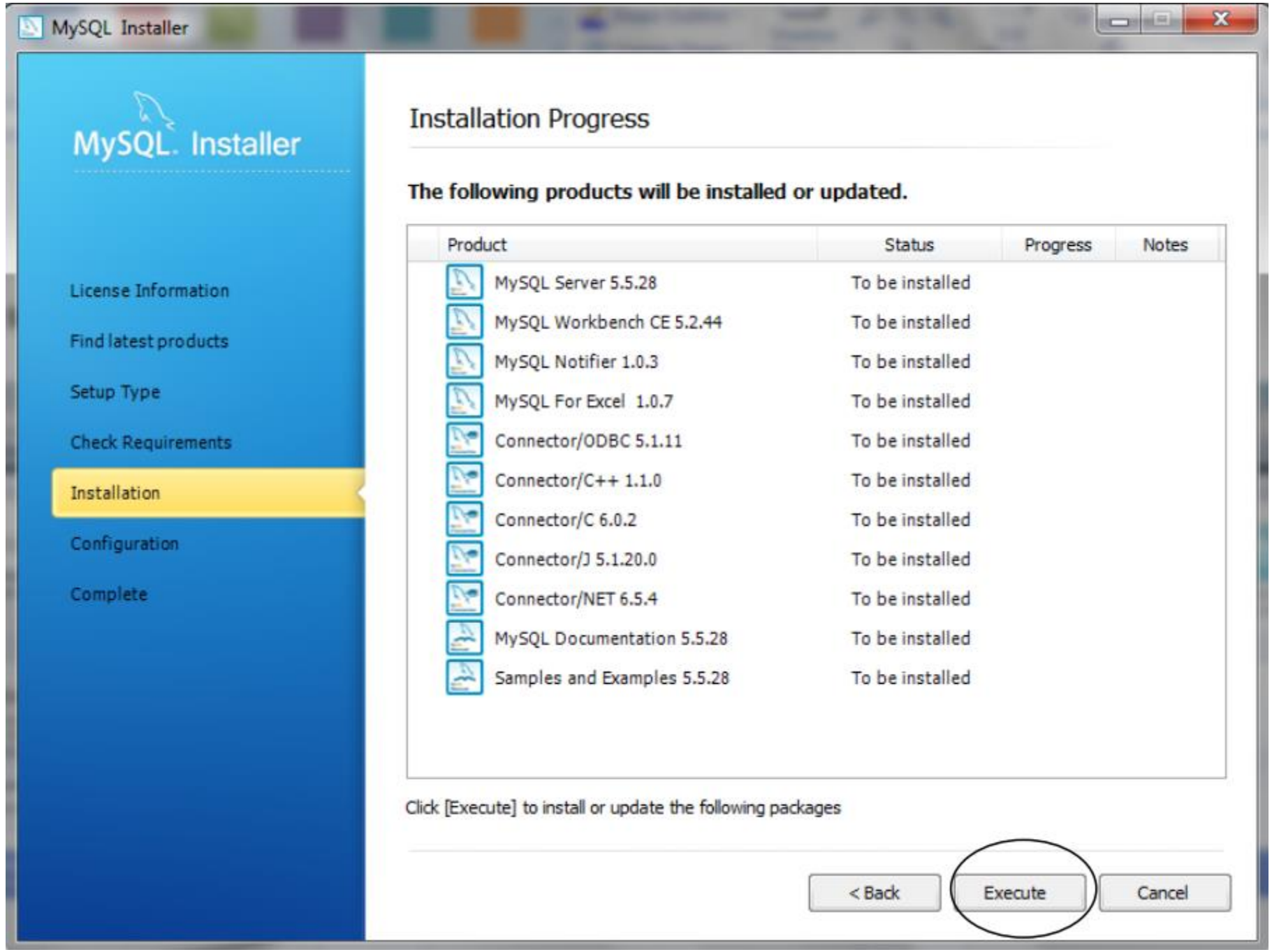
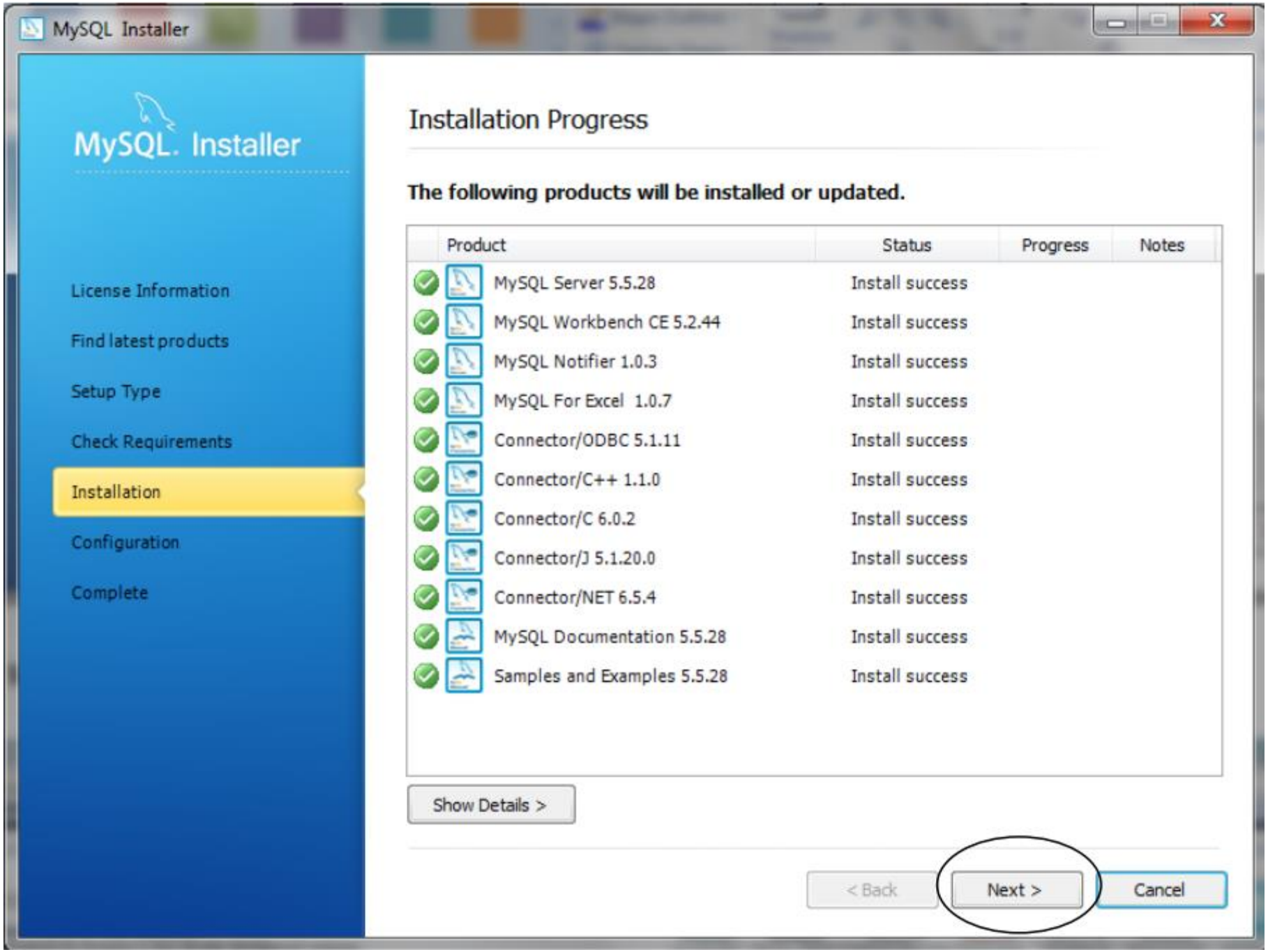
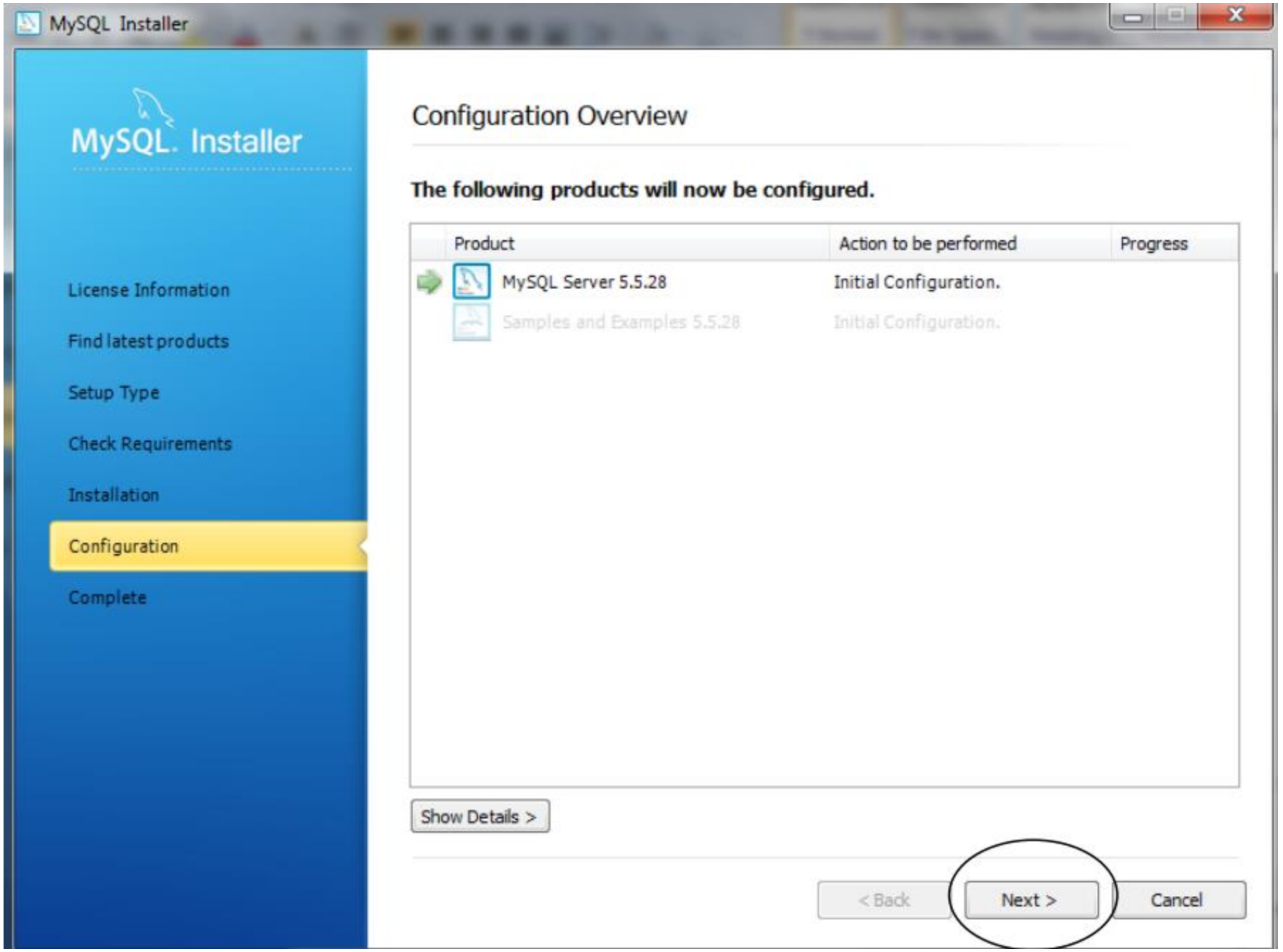
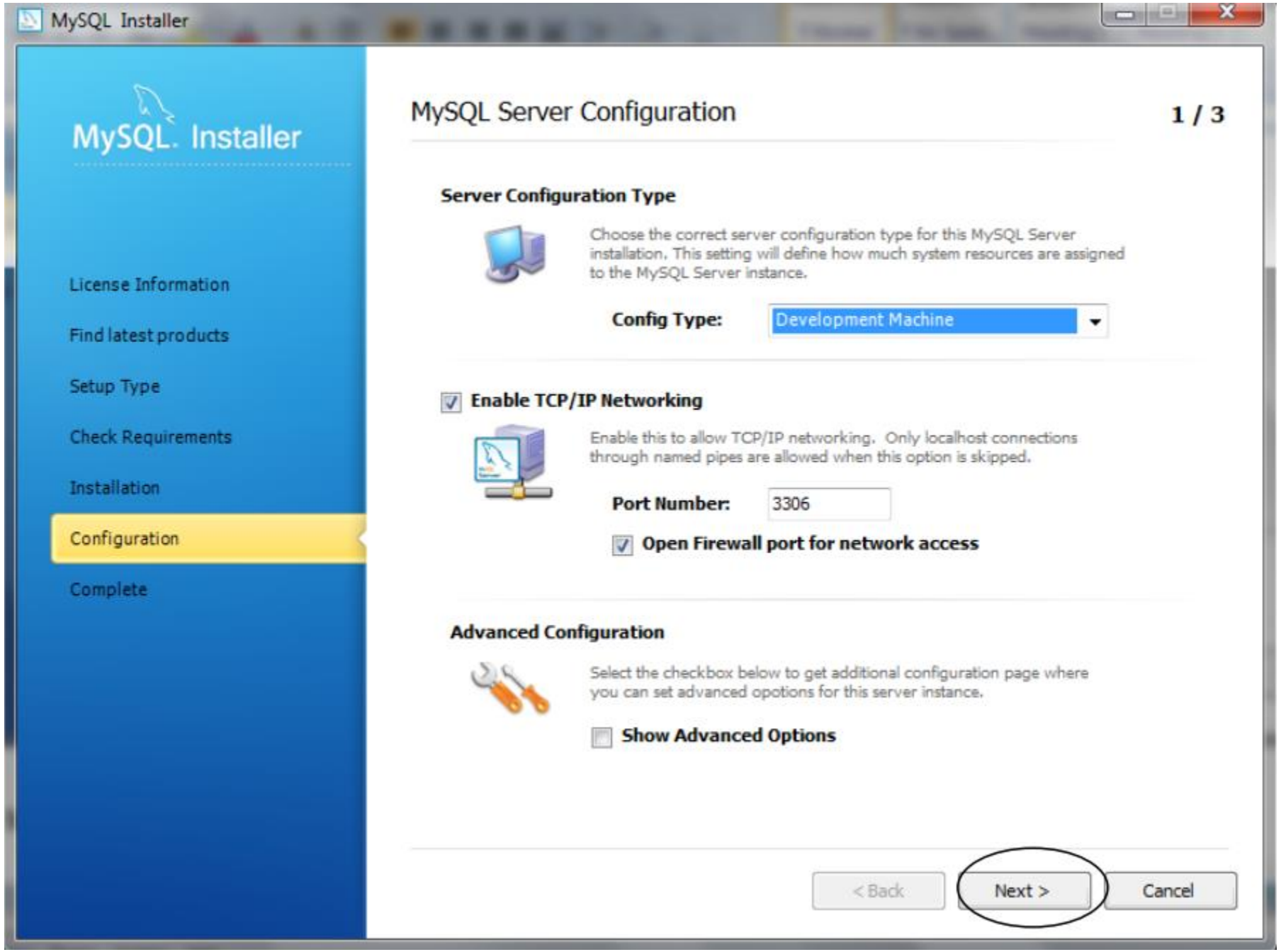

MySQL Installer
MySQL. Installer
License Information
Find latest products
Setup Type
Check Requirements
Installation
Configuration
Complete
Choosing a Setup Type
Please select the Setup Type that suits your use case.
Developer Default
Installs all products needed for MySQL development purposes.
Server only
Installs only the MySQL Server product.
Client only
Installs only the MySQL Client products, without a server.
Full
Installs all included MySQL products and features.
Custom
Manually select the products that should be installed on the system.
Setup Type Description
Installs the MySQL Server and the tools required for MySQL application development. This is useful if you intend to develop applications for an existing server.
This Setup Type includes:
* MySQL Server
* MySQL Workbench
The GUI application to develop for and manage the server.
Installation Path:
C:\Program Files\MySQL\
Data Path:
C:\ProgramData\MySQL\MySQL Server 5.5\
< Back
Next >
Cancel

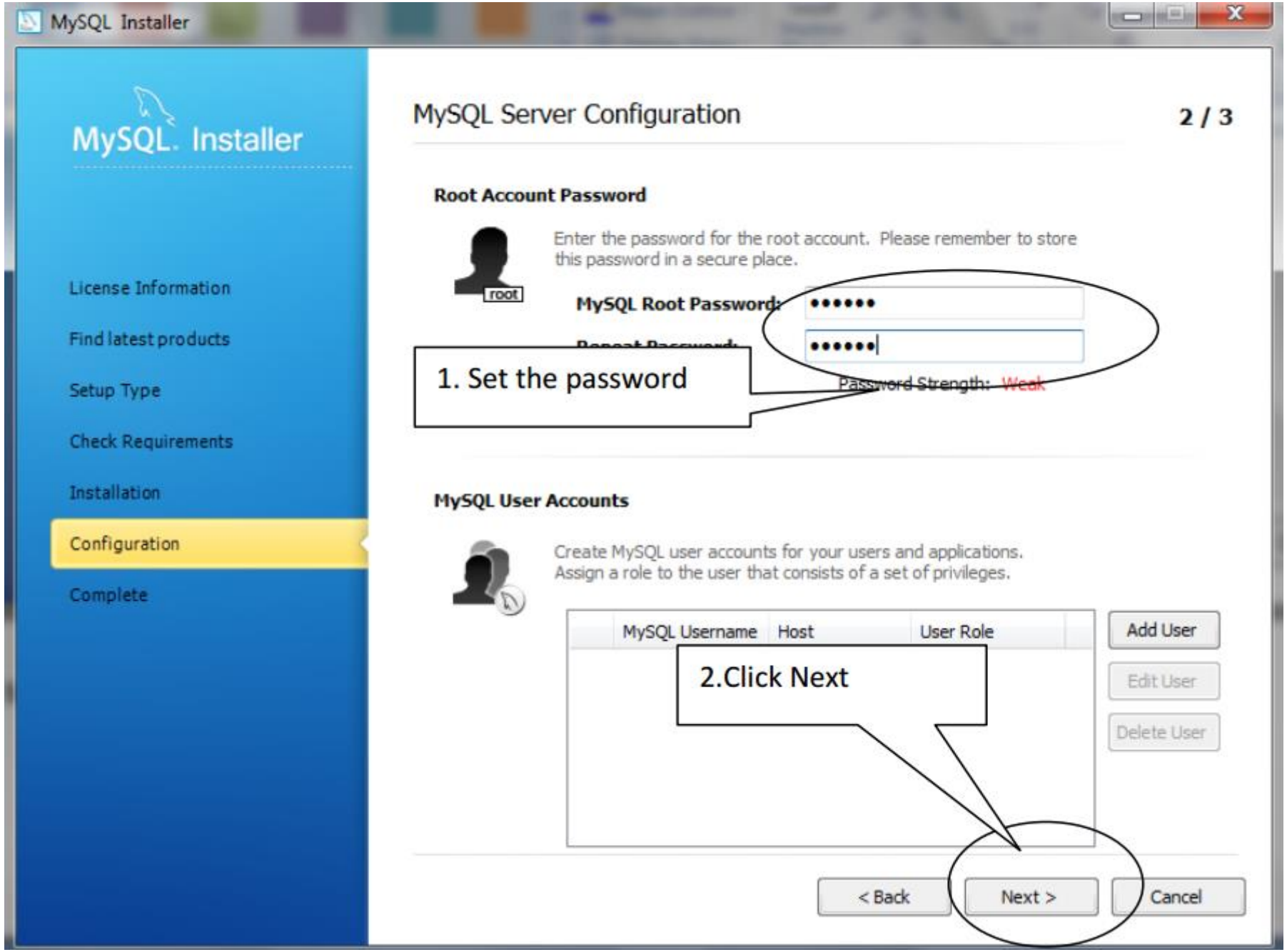

MySQL Installer
MySQL. Installer
License Information
Find latest products
Setup Type
Check Requirements
Installation
Configuration
Complete
Check Requirements
The following requirements must be installed before the selected products can be installed. If you don't want a particular requirement then go back and deselect the product that requires it.
Requirement
For Product
Status
Visual Studio Tools for Office 2010 Runt... MySQL For Excel 1.0.7
Microsoft .NET Framework 4 Client Profile MySQL For Excel 1.0.7
Microsoft Excel 2007 or greater MySQL For Excel 1.0.7
Microsoft .NET Framework 4 Client Profile MySQL Notifier 1.0.3
Microsoft Visual C++ 2010 32-bit runtime MySQL Workbench CE 5.2.44
Microsoft .NET Framework 4 Client Profile MySQL Workbench CE 5.2.44
Current Task
All required prerequisites are met. Continue by clicking on the Next button.
< Back
Next >
Cancel

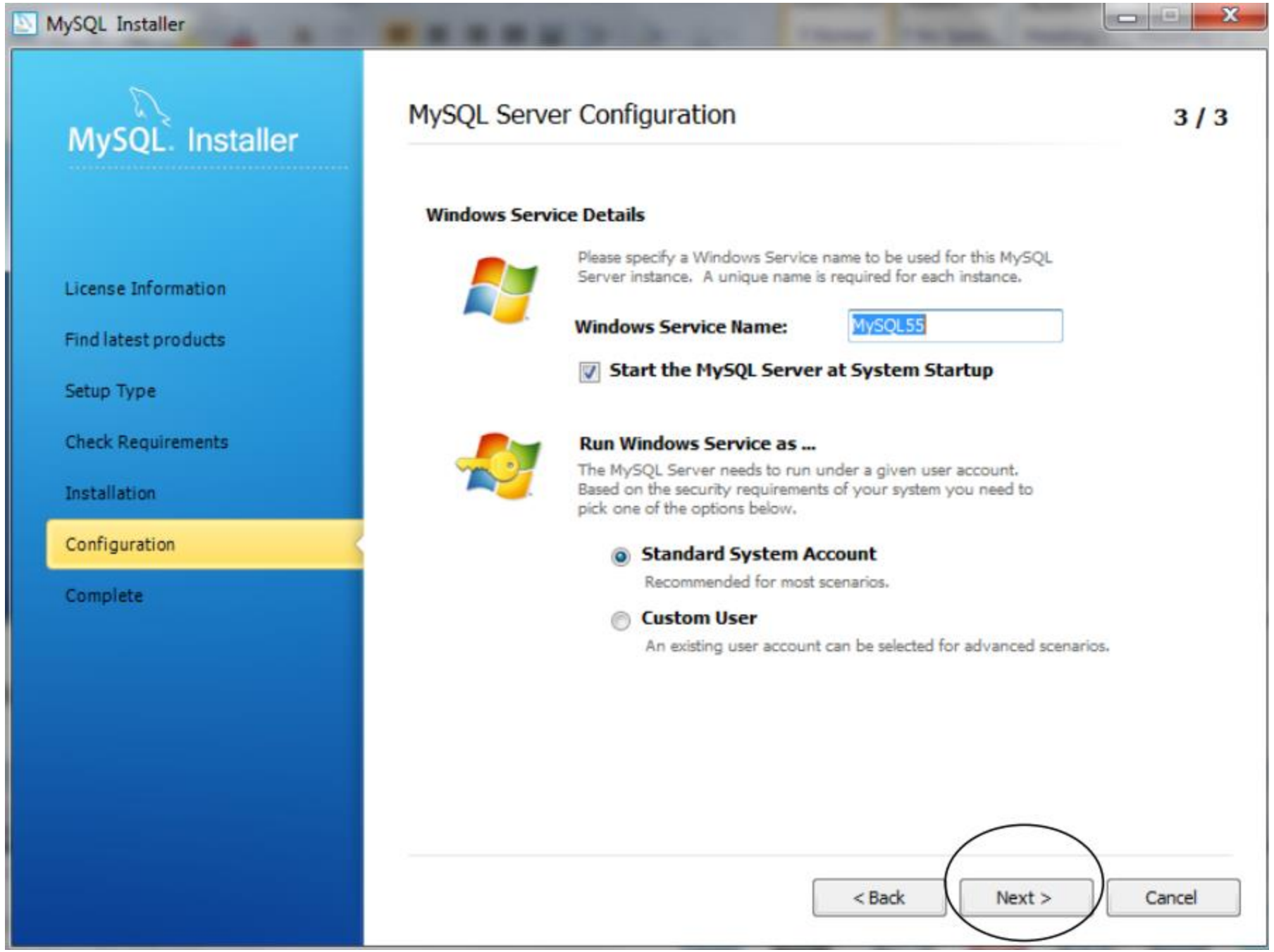

MySQL Installer
MySQL. Installer
License Information
Find latest products
Setup Type
Check Requirements
Installation
Configuration
Complete
Installation Progress
The following products will be installed or updated.
Product
Status
Progress
Notes
MySQL Server 5.5.28
To be installed
MySQL Workbench CE 5.2.44
To be installed
MySQL Notifier 1.0.3
To be installed
MySQL For Excel 1.0.7
To be installed
Connector/ODBC 5.1.11
To be installed
Connector/C++ 1.1.0
To be installed
Connector/C 6.0.2
To be installed
Connector/J 5.1.20.0
To be installed
Connector/NET 6.5.4
To be installed
MySQL Documentation 5.5.28
To be installed
Samples and Examples 5.5.28
To be installed
Click [Execute] to install or update the following packages
< Back
Execute
Cancel

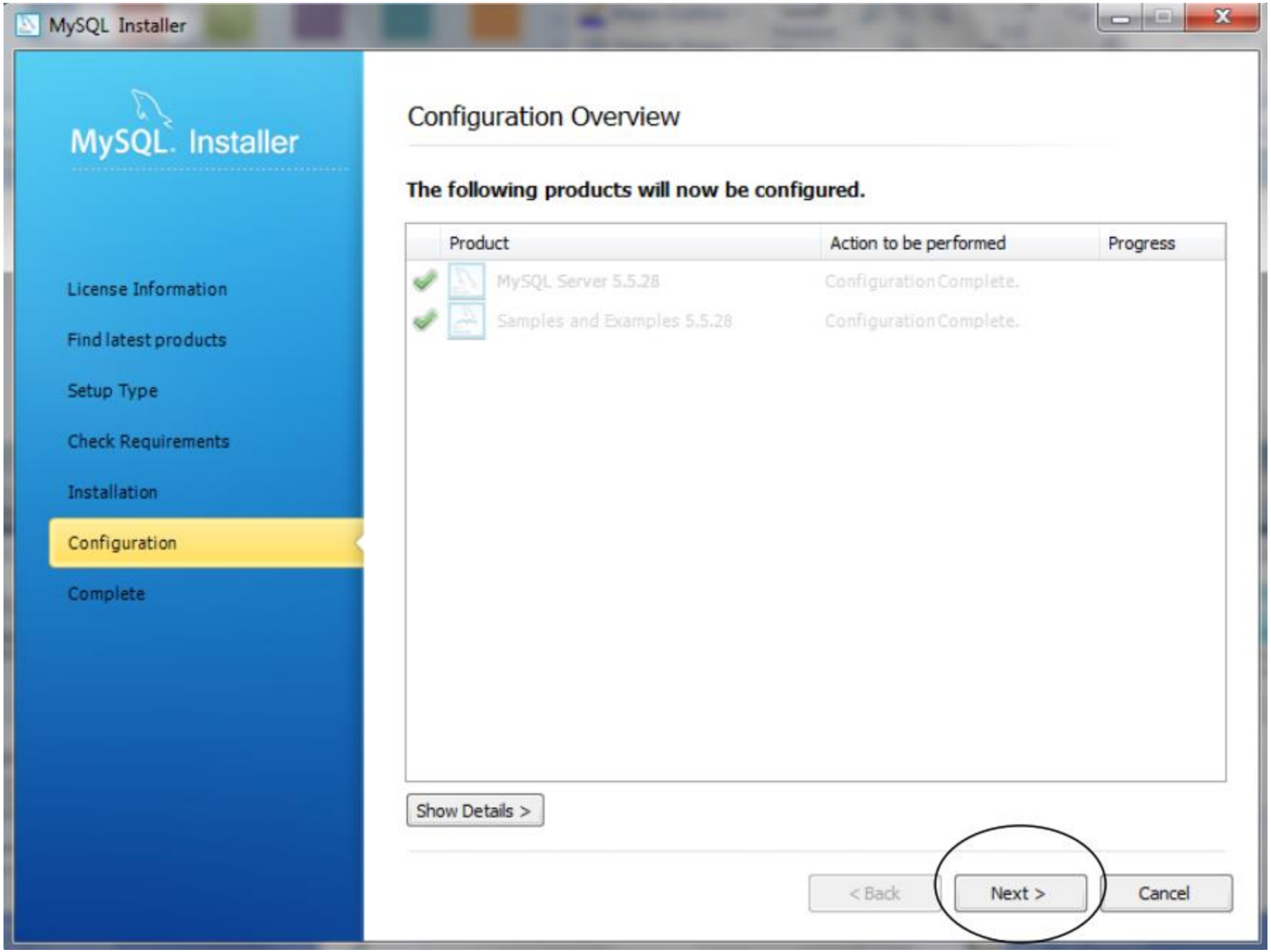

MySQL Installer
MySQL. Installer
License Information
Find latest products
Setup Type
Check Requirements
Installation
Configuration
Complete
Installation Progress
The following products will be installed or updated.
Product
Status
Progress
Notes
MySQL Server 5.5.28
Install success
MySQL Workbench CE 5.2.44
Install success
MySQL Notifier 1.0.3
Install success
MySQL For Excel 1.0.7
Install success
Connector/ODBC 5.1.11
Install success
Connector/C++ 1.1.0
Install success
Connector/C 6.0.2
Install success
Connector/J 5.1.20.0
Install success
Connector/NET 6.5.4
Install success
MySQL Documentation 5.5.28
Install success
Samples and Examples 5.5.28
Install success
Show Details >
< Back
Next >
Cancel

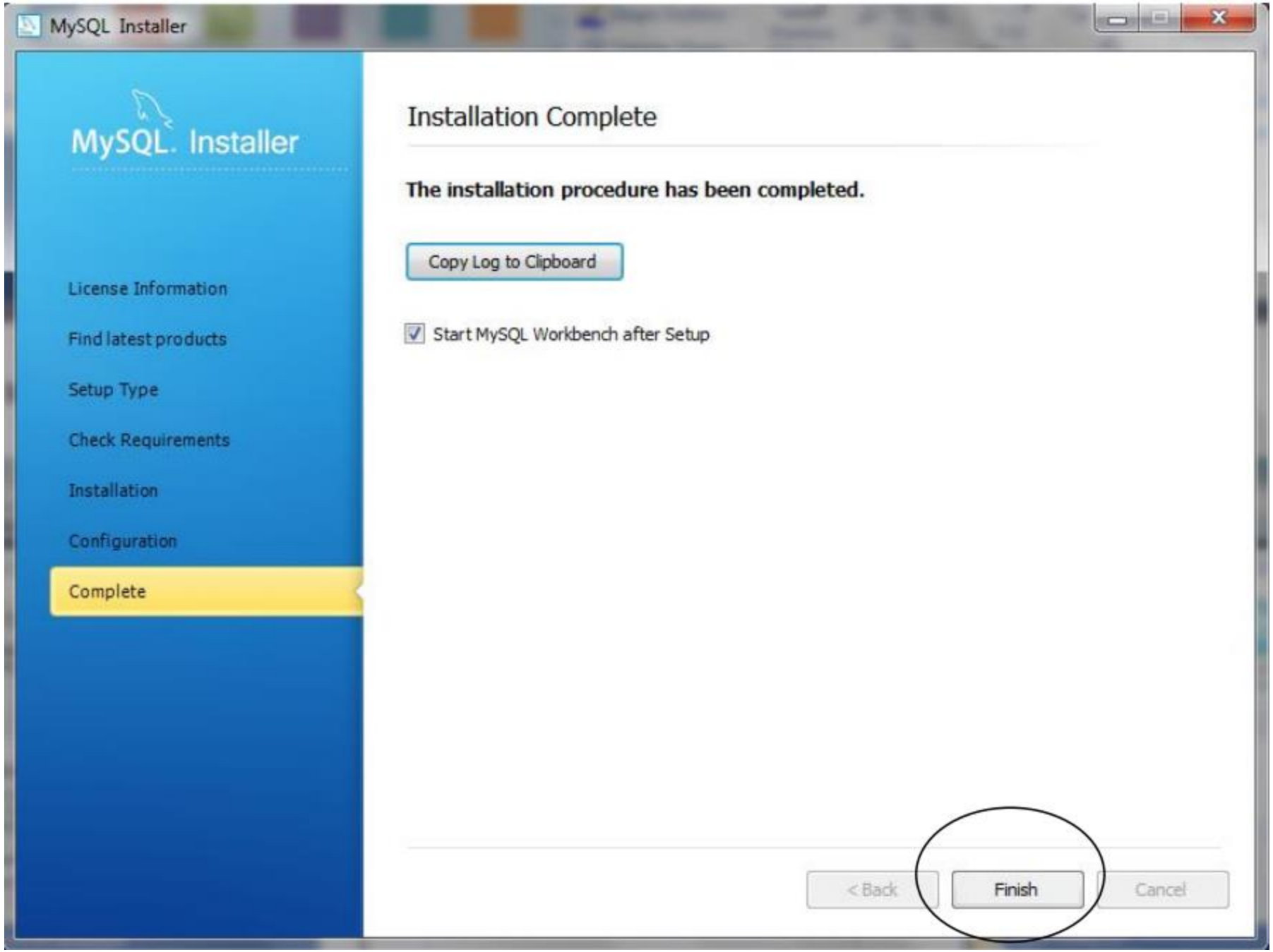

MySQL Installer
MySQL. Installer
License Information
Find latest products
Setup Type
Check Requirements
Installation
Configuration
Complete
Configuration Overview
The following products will now be configured.
Product
Action to be performed
Progress
MySQL Server 5.5.28
Initial Configuration.
Samples and Examples 5.5.28
Initial Configuration.
Show Details >
< Back
Next >
Cancel


MySQL Installer
MySQL. Installer
License Information
Find latest products
Setup Type
Check Requirements
Installation
Configuration
Complete
MySQL Server Configuration
1 / 3
Server Configuration Type
Choose the correct server configuration type for this MySQL Server installation. This setting will define how much system resources are assigned to the MySQL Server instance.
Config Type:
Development Machine
Enable TCP/IP Networking
Enable this to allow TCP/IP networking. Only localhost connections through named pipes are allowed when this option is skipped.
Port Number:
3306
Open Firewall port for network access
Advanced Configuration
Select the checkbox below to get additional configuration page where you can set advanced opotions for this server instance.
Show Advanced Options
< Back
Next >
Cancel


MySQL Installer
MySQL. Installer
License Information
Find latest products
Setup Type
Check Requirements
Installation
Configuration
Complete
MySQL Server Configuration
2 / 3
Root Account Password
root
Enter the password for the root account. Please remember to store this password in a secure place.
MySQL Root Password:
Repeat Password:
Password Strength: Weak
1. Set the password
MySQL User Accounts
Create MySQL user accounts for your users and applications. Assign a role to the user that consists of a set of privileges.
MySQL Username
Host
User Role
Add User
Edit User
Delete User
2.Click Next
< Back
Next >
Cancel

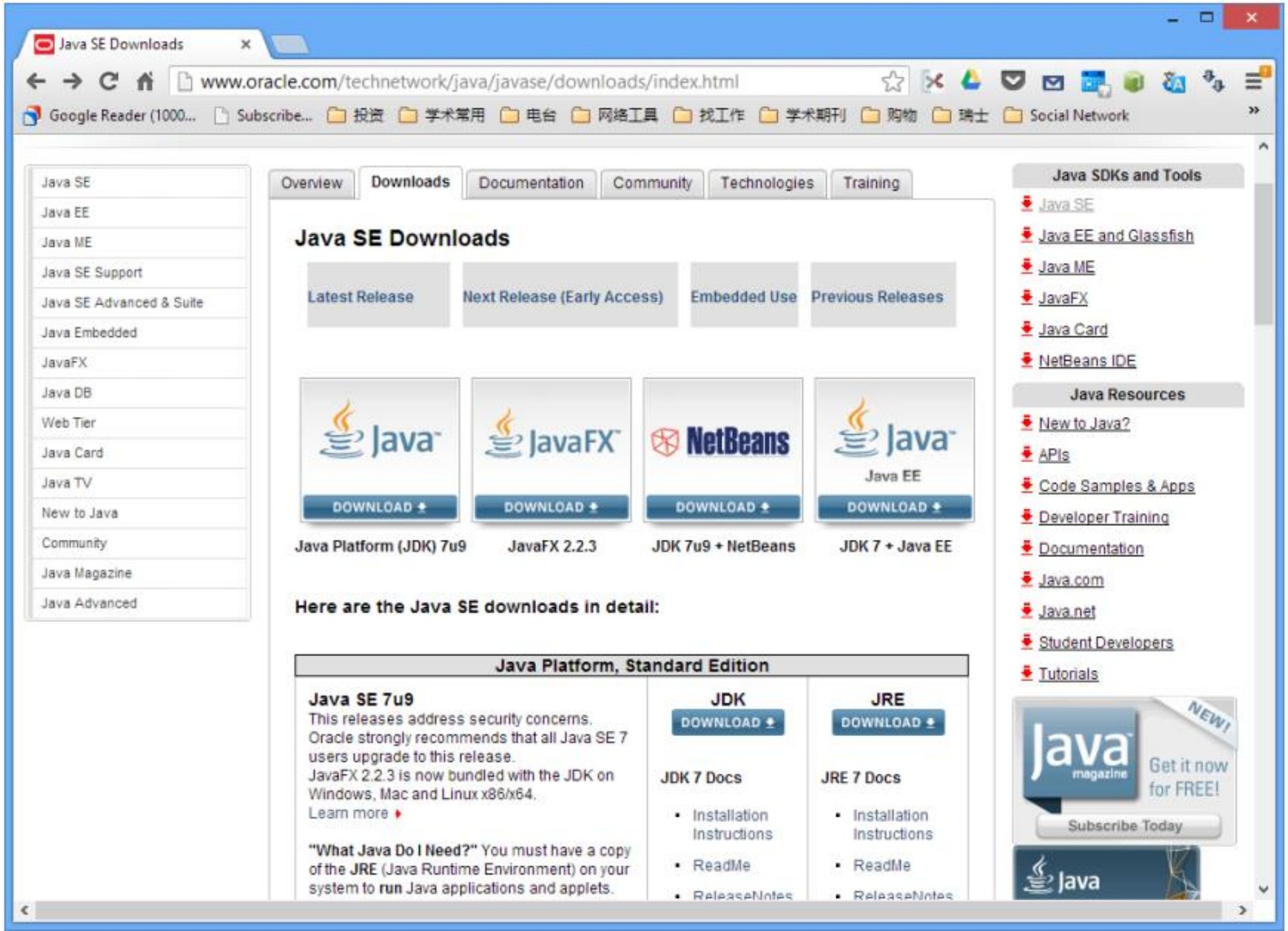

MySQL Installer
MySQL. Installer
License Information
Find latest products
Setup Type
Check Requirements
Installation
Configuration
Complete
MySQL Server Configuration
3 / 3
Windows Service Details
Please specify a Windows Service name to be used for this MySQL Server instance. A unique name is required for each instance.
Windows Service Name:
MySQL55
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.
< Back
Next >
Cancel


MySQL Installer
MySQL. Installer
License Information
Find latest products
Setup Type
Check Requirements
Installation
Configuration
Complete
Configuration Overview
The following products will now be configured.
Product
Action to be performed
Progress
MySQL Server 5.5.28
Configuration Complete.
Samples and Examples 5.5.28
Configuration Complete.
Show Details >
< Back
Next >
Cancel


MySQL Installer
MySQL. Installer
License Information
Find latest products
Setup Type
Check Requirements
Installation
Configuration
Complete
Installation Complete
The installation procedure has been completed.
Copy Log to Clipboard
Start MySQL Workbench after Setup
< Back
Finish
Cancel

# 3. Setting up Java environment

- Please download the latest JDK from
- http://www.oracle.com/technetwork/java/javase/downloads/index.html
- And install the version that matches your operation system.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Java EE
Java ME
Java SE Support
Java SE Advanced & Suite
Java Embedded
JavaFX
Java DB
Web Tier
Java Card
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Next Release (Early Access)
Embedded Use
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DOWNLOAD
Java Platform (JDK) 7u9
JavaFX 2.2.3
JDK 7u9 + NetBeans
JDK 7 + Java EE
Here are the Java SE downloads in detail:
Java Platform, Standard Edition
Java SE 7u9
This releases address security concerns.
Oracle strongly recommends that all Java SE 7 users upgrade to this release.
JavaFX 2.2.3 is now bundled with the JDK on Windows, Mac and Linux x86/x64.
Learn more
"What Java Do I Need?" You must have a copy of the JRE (Java Runtime Environment) on your system to run Java applications and applets.
JDK
JDK 7 Docs
Installation Instructions
ReadMe
ReleaseNotes
JRE
JRE 7 Docs
Installation Instructions
ReadMe
ReleaseNotes
Java SDKs and Tools
Java SE
Java EE and Glassfish
Java ME
JavaFX
Java Card
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Documentation
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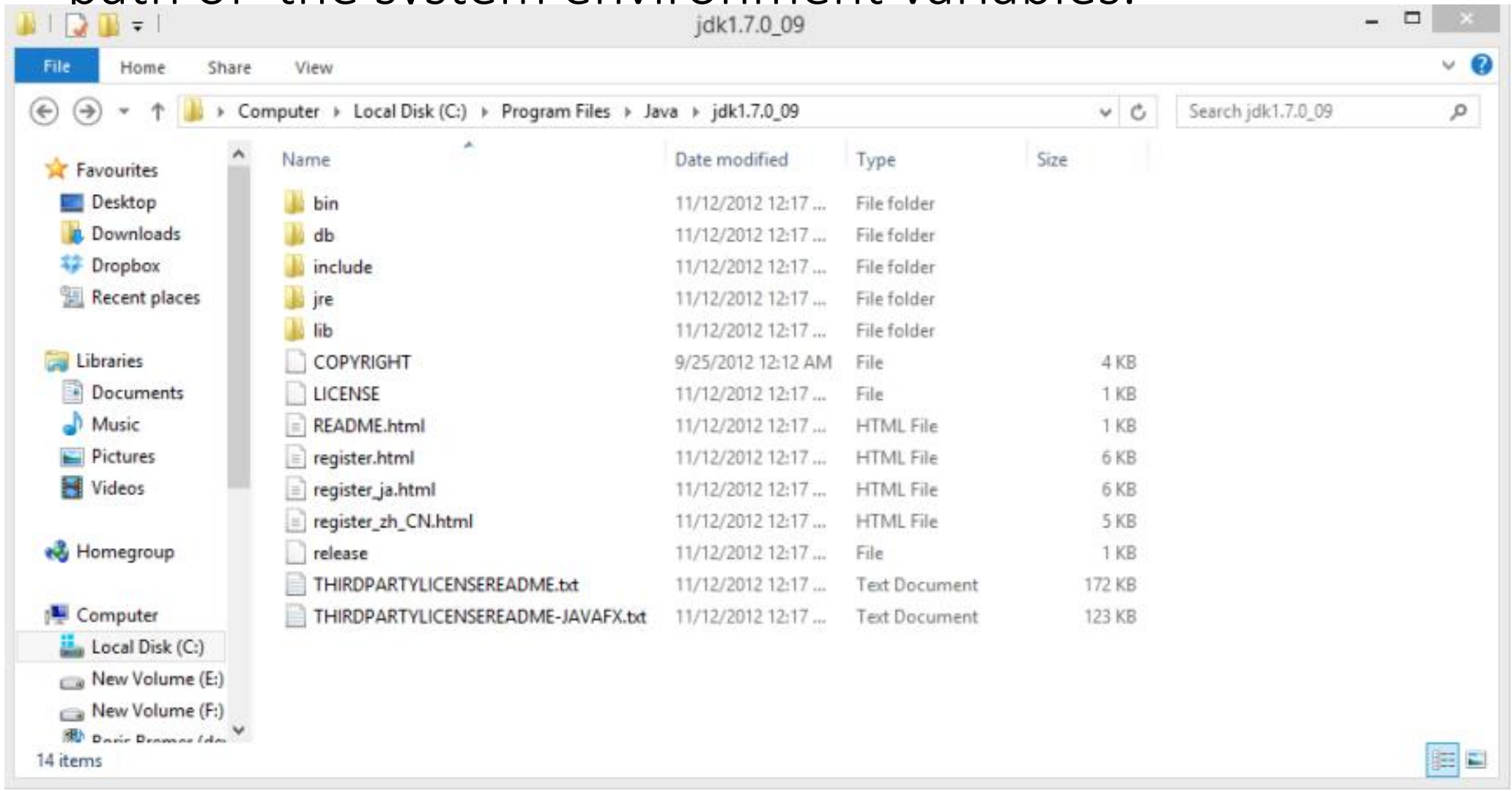
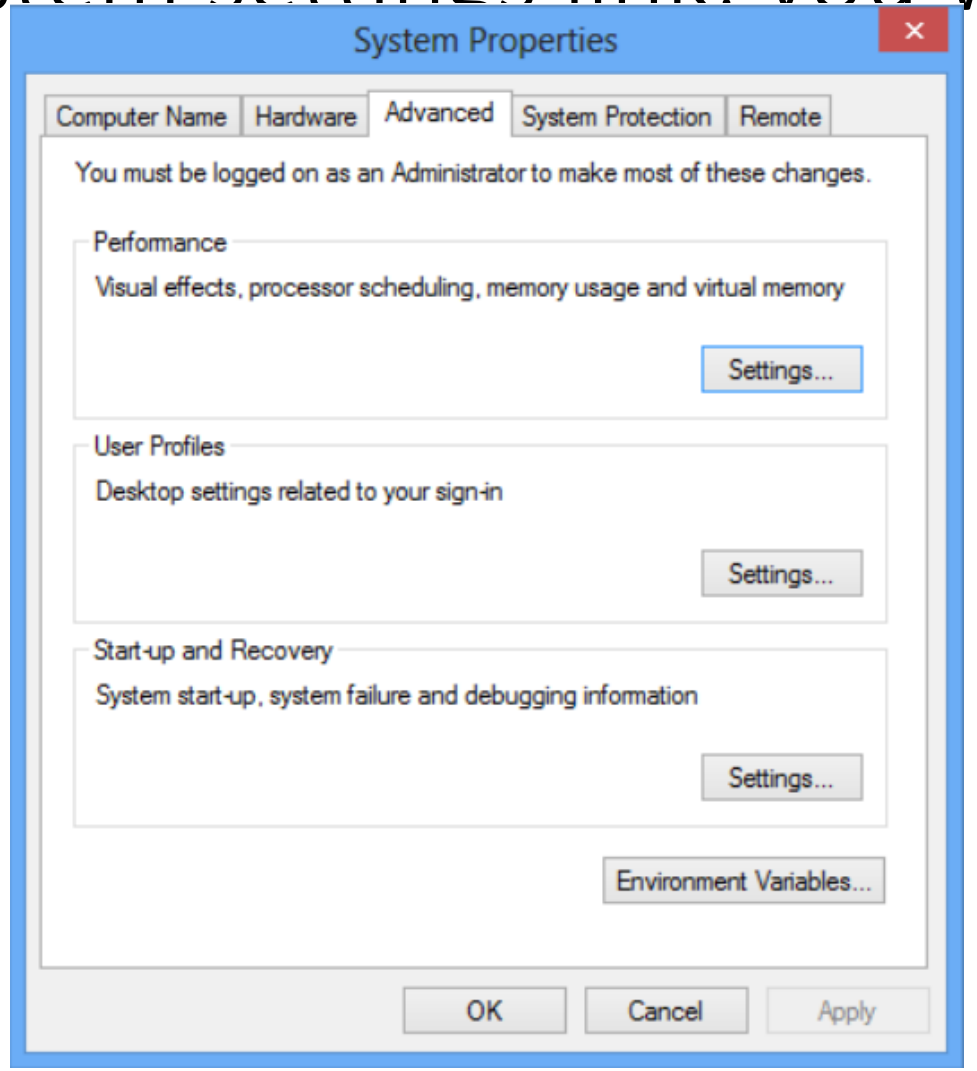
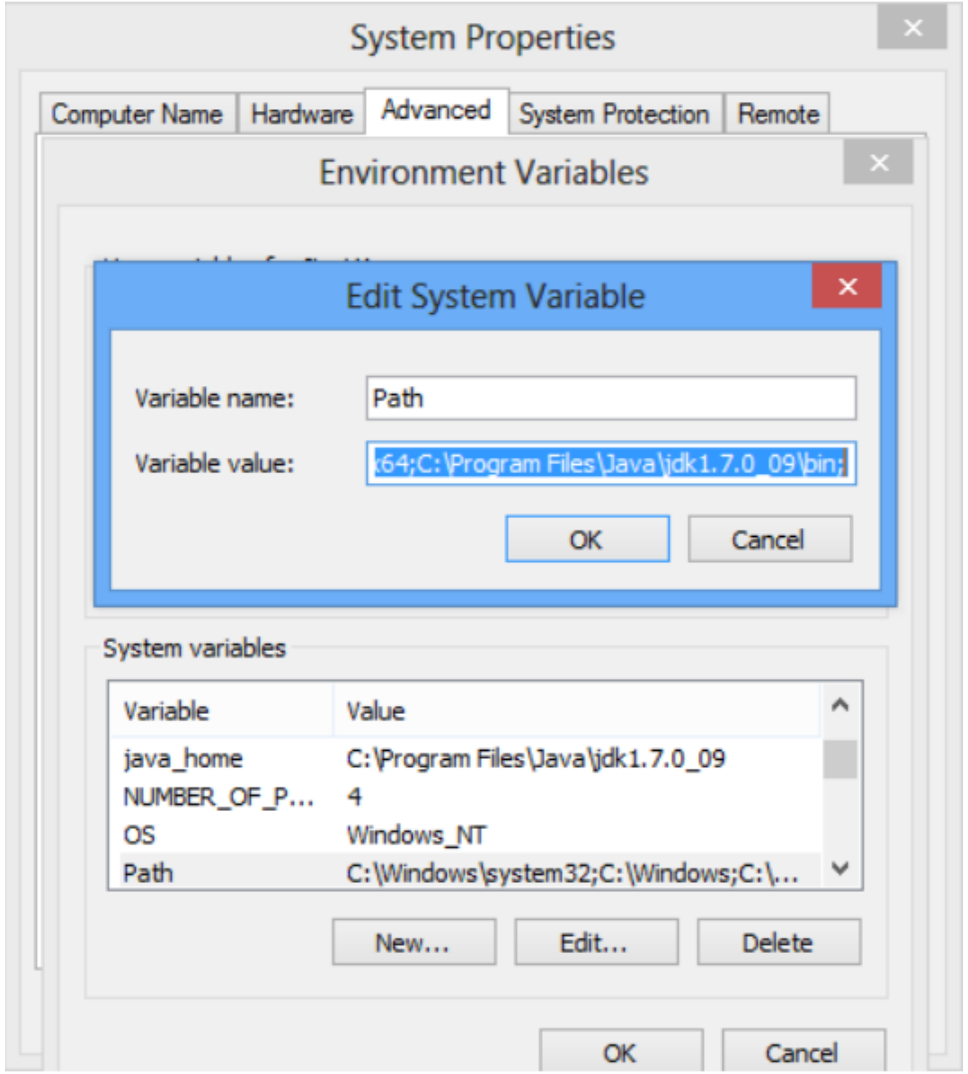
After installing the software, the JDK directory will have the structure shown below. The bin directory contains both the compiler and the launcher, and should be contained in the path of  the system environment variables.



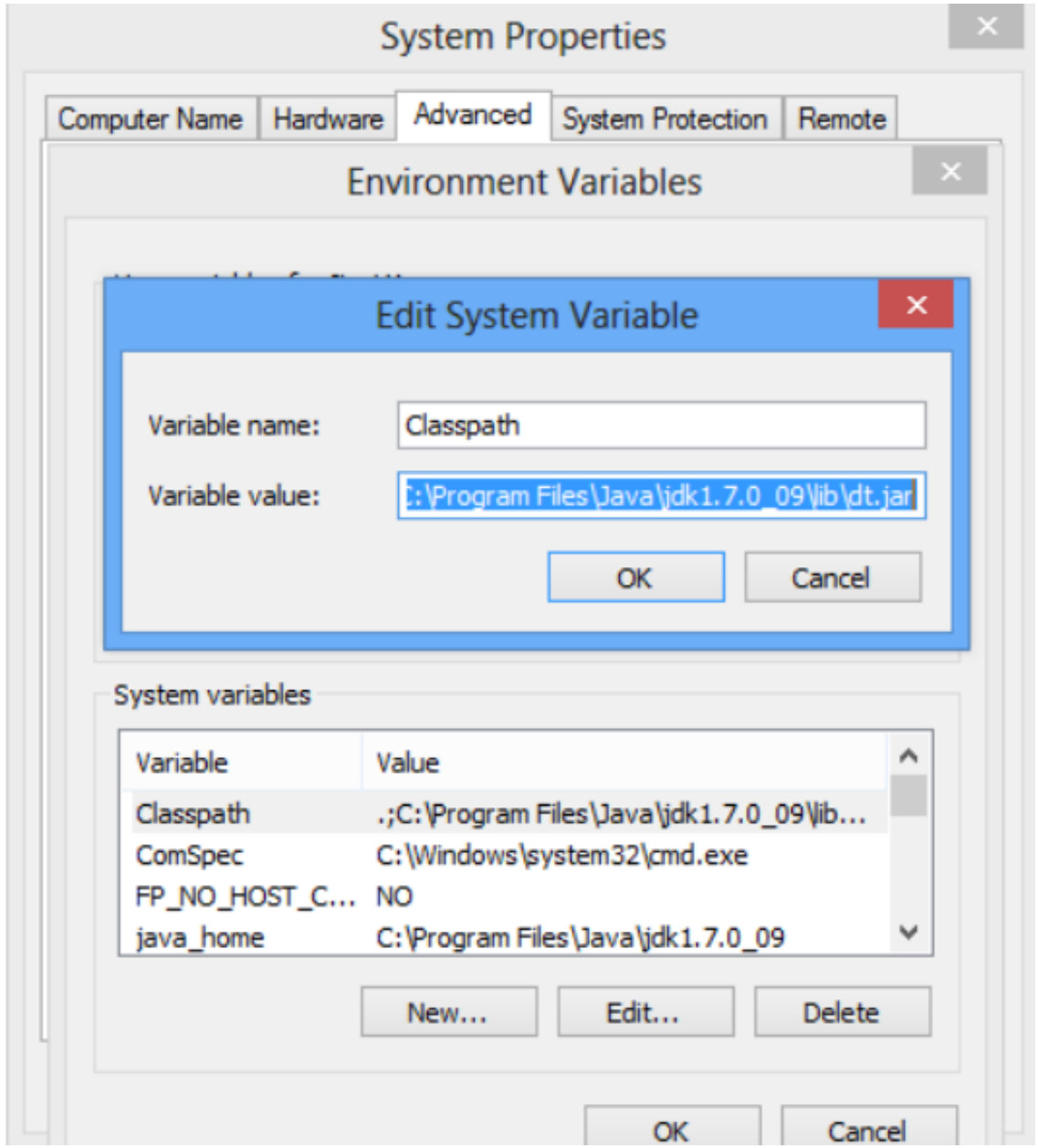
From the desktop, right click the Computer icon. Choose Properties from the context menu. Click the Advanced system settings link, you will see:



Click Environment Variables. In the section System Variables, find the PATH environment variable and select it. Click Edit. If the PATH environment variable does not exist, click New.



- In the Edit System Variable (or New System Variable) window, specify the value of the PATH environment variable. Click OK. Close all remaining windows by clicking OK.
- Similarly, you should set up the classpath with the value of:
- .;C:\Program Files\Java\jdk1.7.0_09\lib\tools.jar;C:\Program Files\Java\jdk1.7.0_09\lib\dt.jar


System Properties
Computer Name
Hardware
Advanced
System Protection
Remote
Environment Variables
Edit System Variable
Variable name:
Classpath
Variable value:
:\Program Files\Java\jdk1.7.0_09\lib\dt.jar
OK
Cancel
System variables
Variable
Value
Classpath
.;C:\Program Files\Java\jdk1.7.0_09\lib...
ComSpec
C:\Windows\system32\cmd.exe
FP_NO_HOST_C...
NO
java_home
C:\Program Files\Java\jdk1.7.0_09
New...
Edit...
Delete
OK
Cancel

# 4. Installing NetDraw

- Please download the installing package or netdraw.exe (in zip file) from

- https://sites.google.com/site/netdrawsoftware/download

# NetDraw

Search this site

Welcome! | Download

## This Site

- Welcome!
- Documentation & FAQs
  - Avoiding jaggedy lines – high res maps
  - Labels not showing up when visualizing UCINET files
- Download
- Versions
  - Older Versions

## Links

- Analytic Technologies
- UCINET
- Steve Borgatti
- LINKS Center

## Download

You can either download the complete installation package or just the exe. The installation package will uninstall any old version you have (but keep your data files), install the new one, and add it to your All Programs menu. The exe is just the exe. You could replace your old netdraw.exe with it, or just download it somewhere else and double click on it to run it.

- Installation package
- netdraw.exe (in zip file)

Alternatively, you could download and install UCINET, which will automatically install NetDraw.

- UCINET

For information on changes in NetDraw over time, see the versions page.

| | | |
|---|---|---|
| netdraw.zip (2702k) | Steve Borgatti, 5 Feb 2014 09:54 | v.1 |