

Chathushi Jayarathna - Assignment 1

Lab Assessment Statement

Assignment 1 - Create sites using portlets and pages

Project Scenario

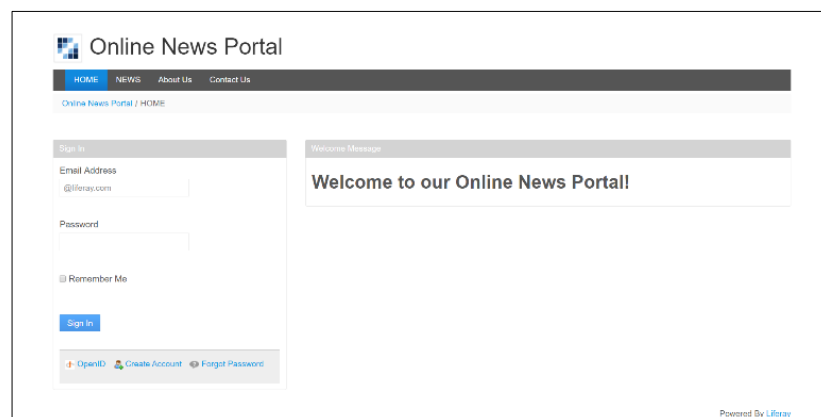
Imagine that you are a Liferay web developer of "APC" Software Co., Ltd. Your company got the project to develop the "Online News Portal" to provide users with the fastest and latest news updates. You have been tasked to implement a site using portlets and pages.

As part of the initiative, you need to

1. Setup the development environment as follows:

- Install JDK-1.7 and setting required environment variables
- Install MySQL Server (use MySQL version 5.7.19 to 5.7.22)
- Download Liferay 6.2 Tomcat Bundles
- Configure database settings in portal-ext.properties file
- Start tomcat server and access Liferay Portal using <http://localhost:8080/>
- Complete required basic configurations.
- Configure Liferay Server in Eclipse

2. And, create a site using pages and portlets as below.



- Create a blank site with the site name "Online News Portal".
- Choose Membership type is Open that anyone can be member of the site.
- Create site pages like Home, News, About Us and Contact Us page.
- Create "Welcome Message" generic portlet.
- Add "Sign In" and "Welcome Message" applications to Home Page.

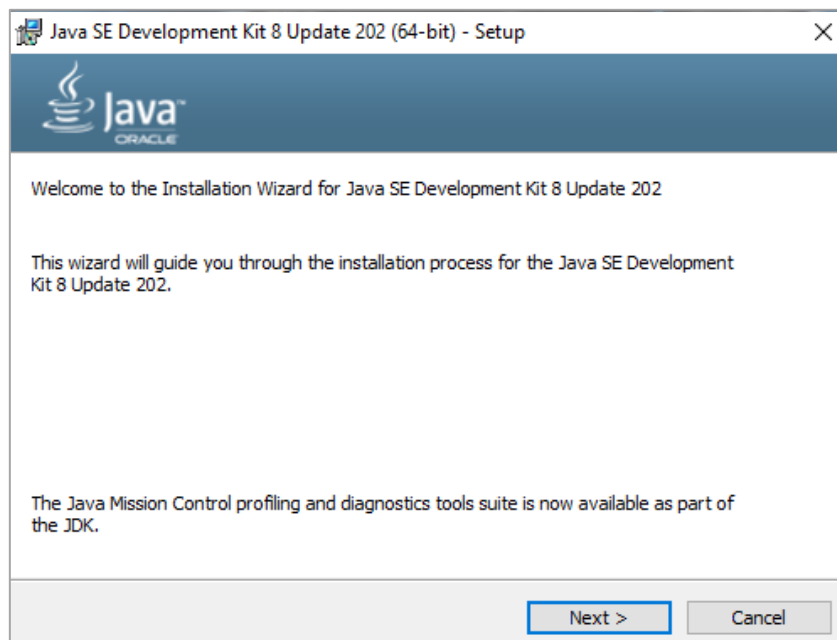
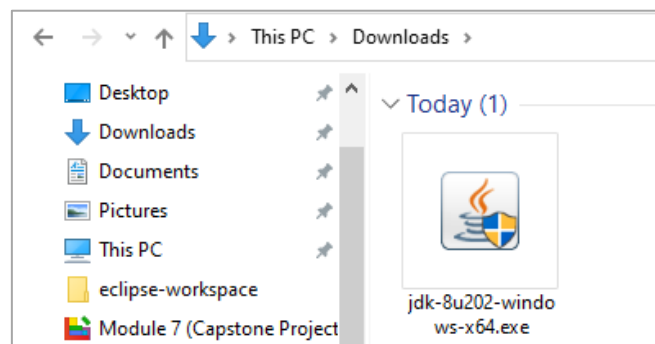
Provide the site URL.

	Provide the screen capture of the installation step, the page creates step, portlet creates step and final result.
Technical Environment	-
Guidelines	-
Duration	60 mins

(01)

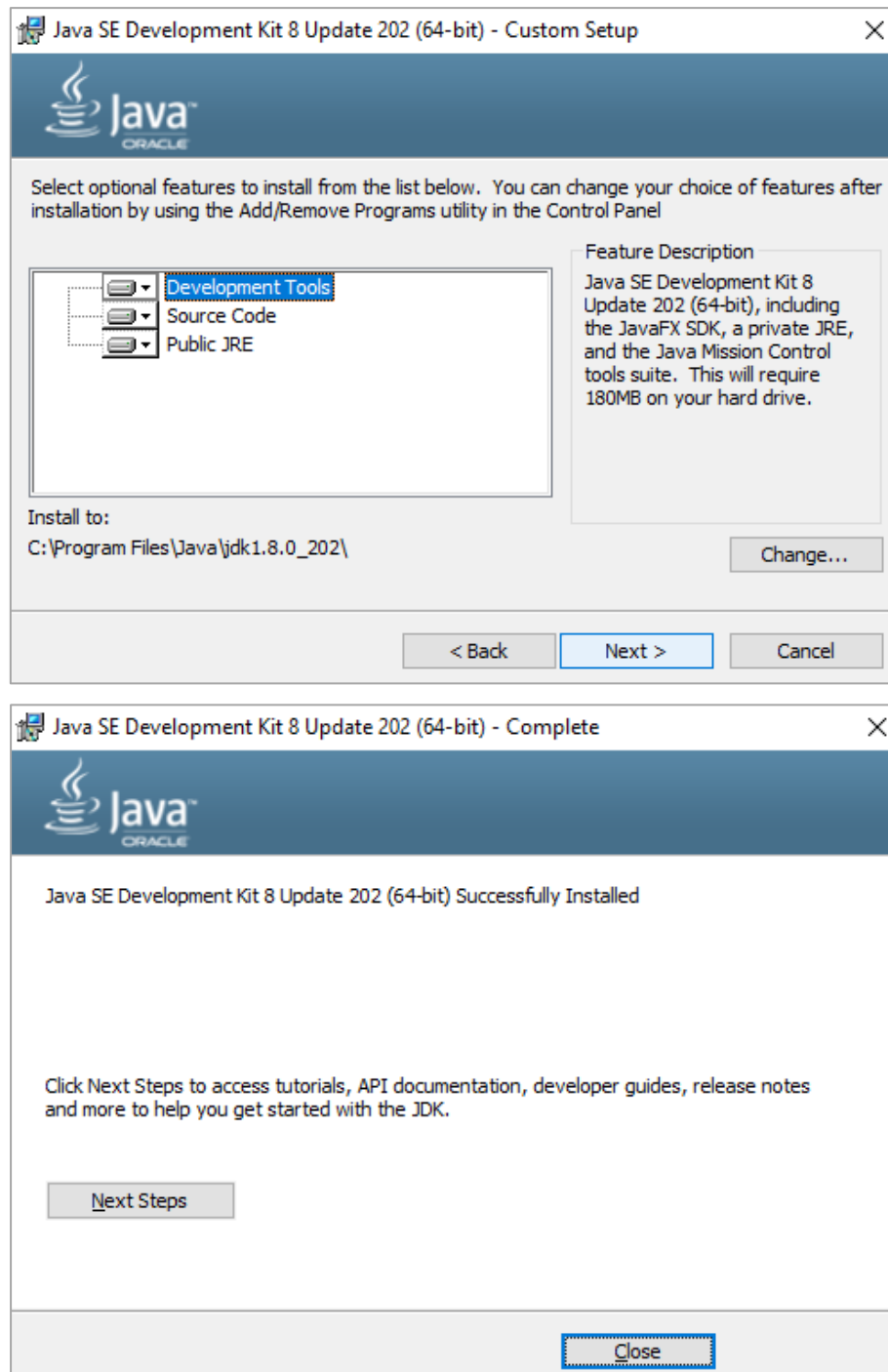
1. Install JDK-1.7 and setting required environment variables

Step 1 - Sign in using your Oracle account (or create a new one) and the download should start. Once the download is complete, locate the jdk-8u202-windows-x64 file and double-click to run the installer.



Step 2 - Click Next and on the following screen. Here the default install location of "C:\Program Files\Java\jdk1.8.0_202" was kept.

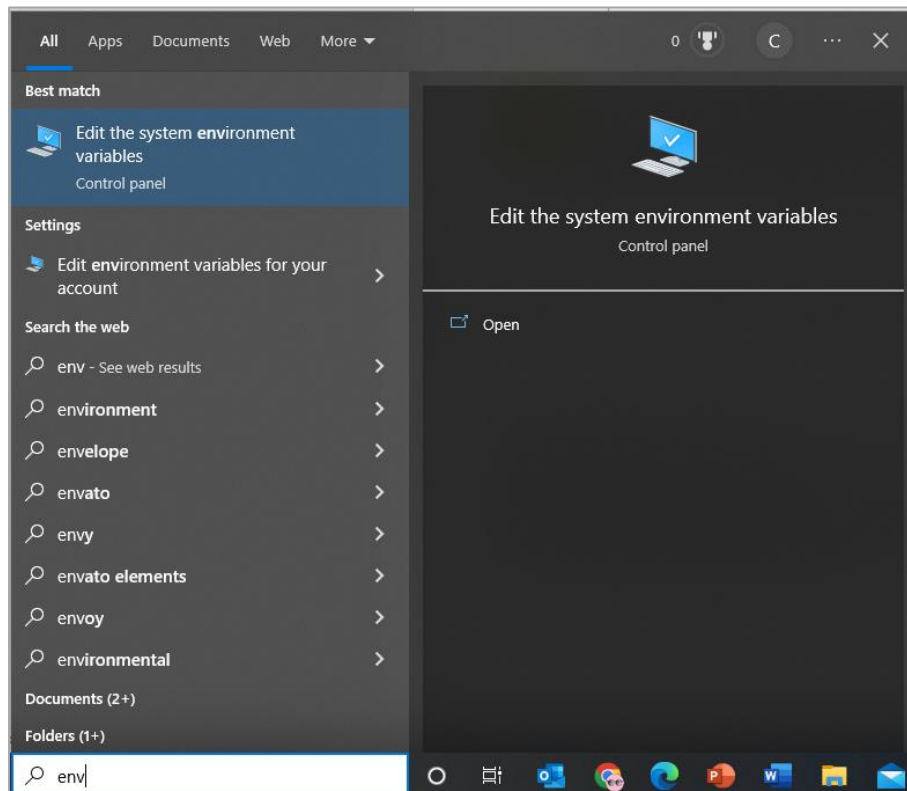
Step 3 - Click Next and then close to finish installing java



Step 4 - In order for Java applications to be able to run we need to set up a "JAVA_HOME" and "JRE_HOME" environment variables that will point to the

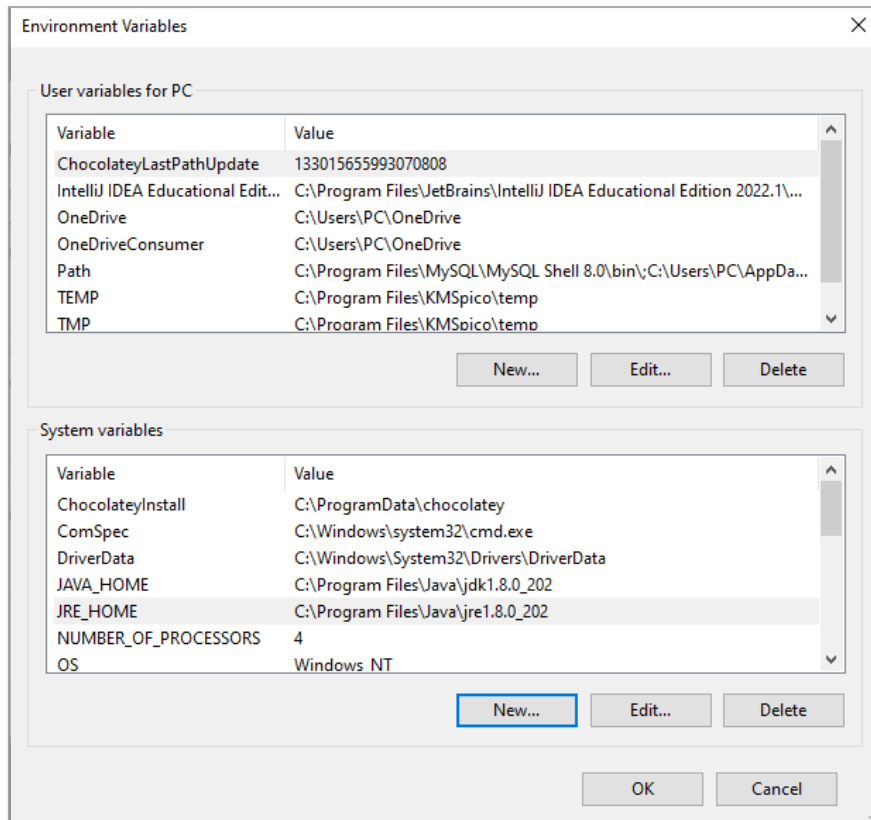
Java installation directory. In addition, if we want to run Java commands from a command prompt, we need to setup the "PATH" environment variable to contain the Java bin directory.

When using Windows, the above parameters can be configured on the Environment Variables panel. Click on the "Windows Start" button and enter "env" without quotes as shown below.

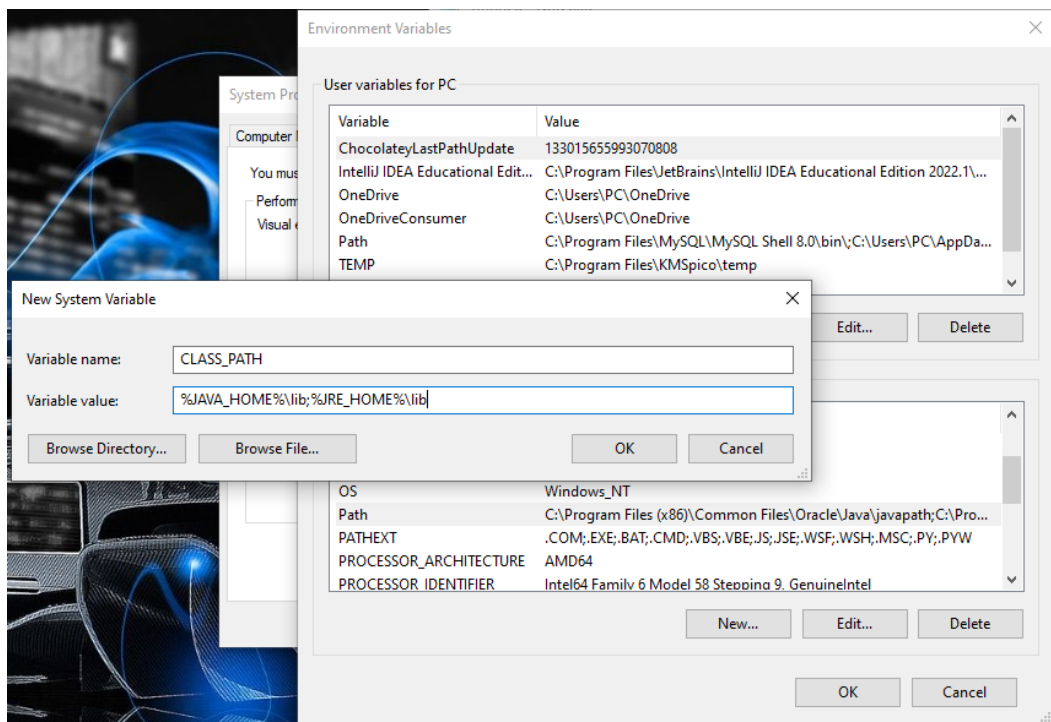


Step 5 - Environment variables can be set at the account level or at the system level. Click on "Environment variables" and the following panel will appear.

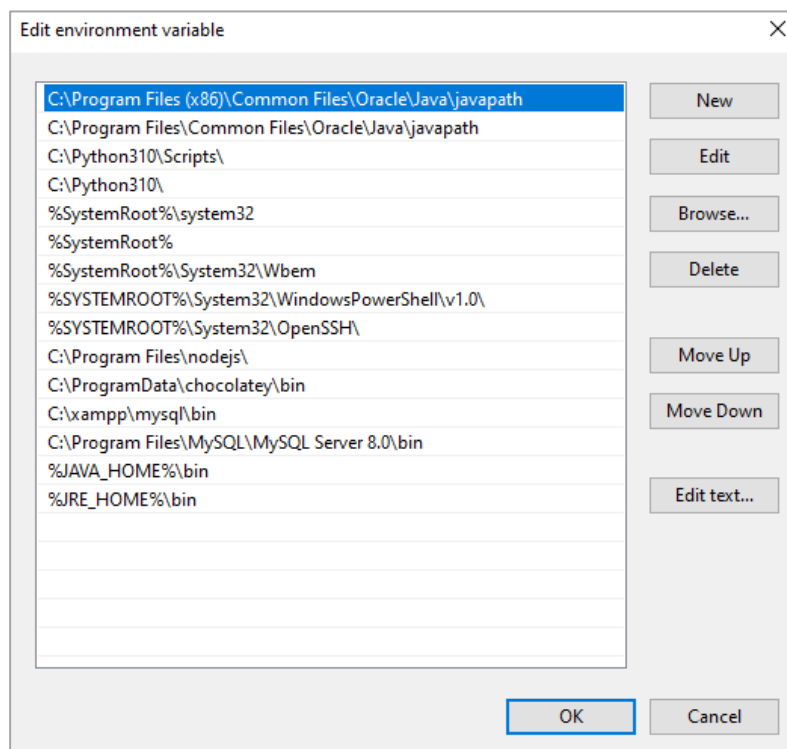
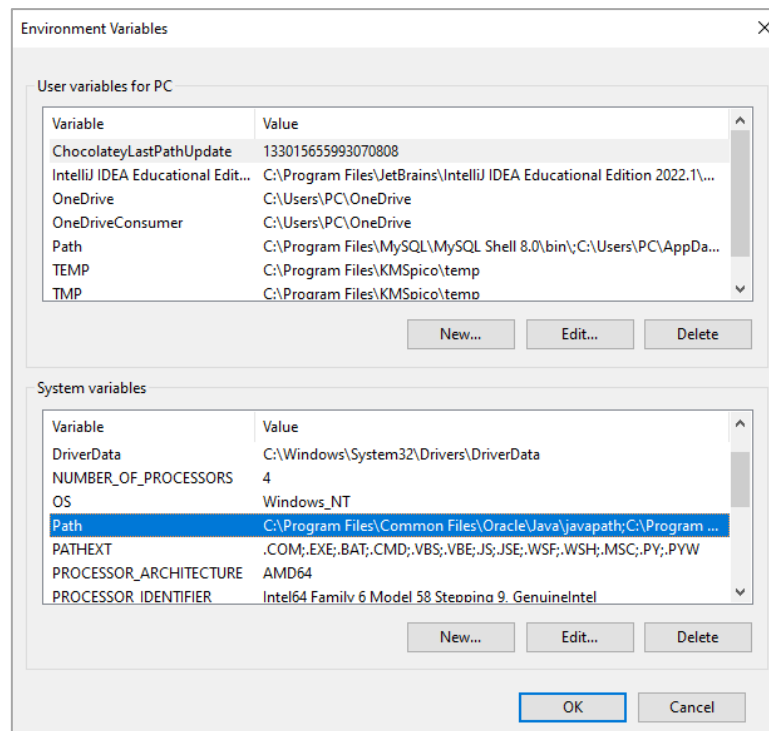
Step 6 - Click on the "New" button and enter "JAVA_HOME" as the variable name. Here, the installation directory is "C:\Program Files\Java\jdk1.8.0_202". Then click ok to save and again click on the "New" button and enter "JRE_HOME" as the variable name and here also installation directory is "C:\Program Files\jre1.8.0_202". Then click ok to save



Step 7 – Add CLASSPATH as same as step 6

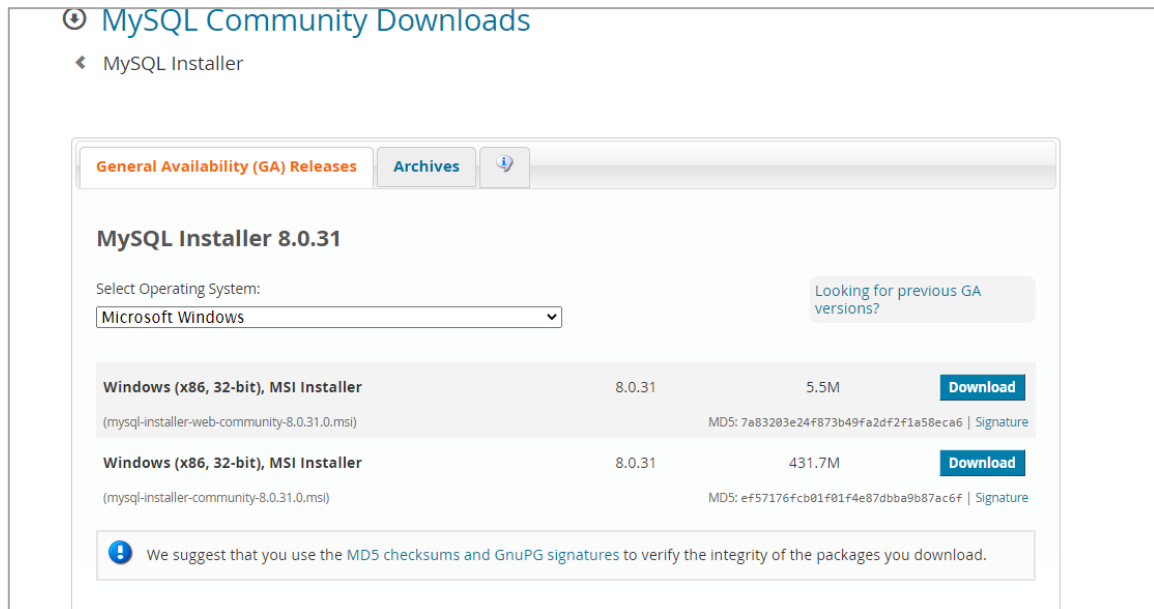


Step 8 – Select “path” in system variables and then click edit, and then add new two paths as “%JAVA_HOME%\bin” & “%JRE_HOME%\bin”

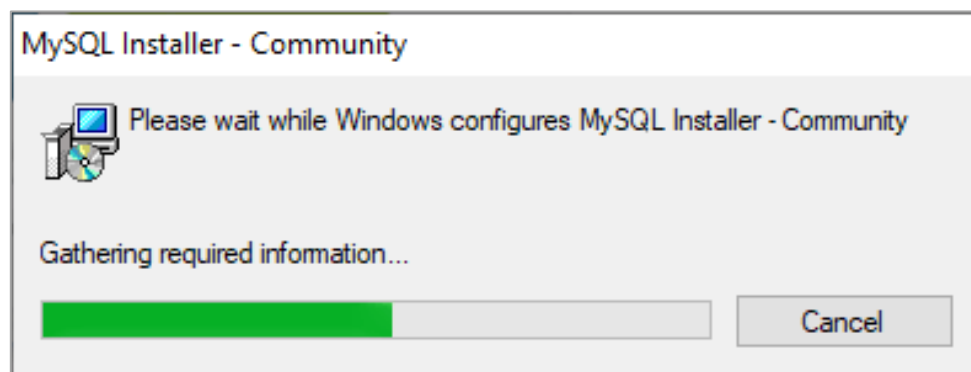


2. Install MySQL Server (use MySQL version 5.7.19 to 5.7.22)

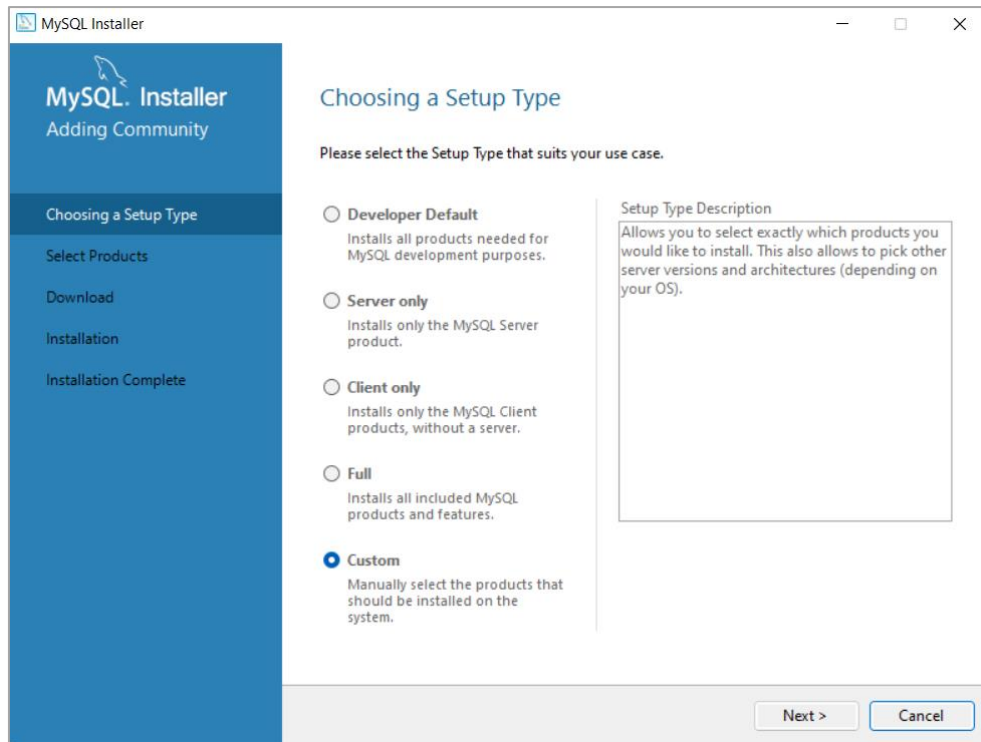
Step 1 - Download MySQL Installer from <https://dev.mysql.com/downloads/installer/> and execute it



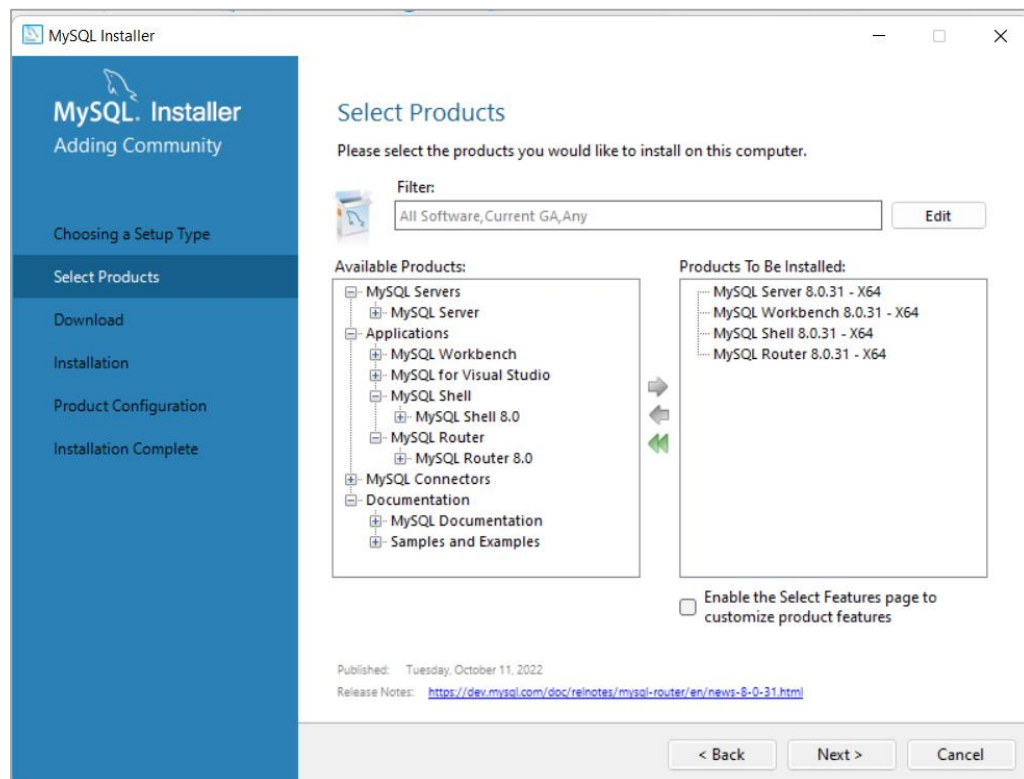
Step 2 - After downloading the setup, unzip it anywhere and double click the MSI installer .exe file.



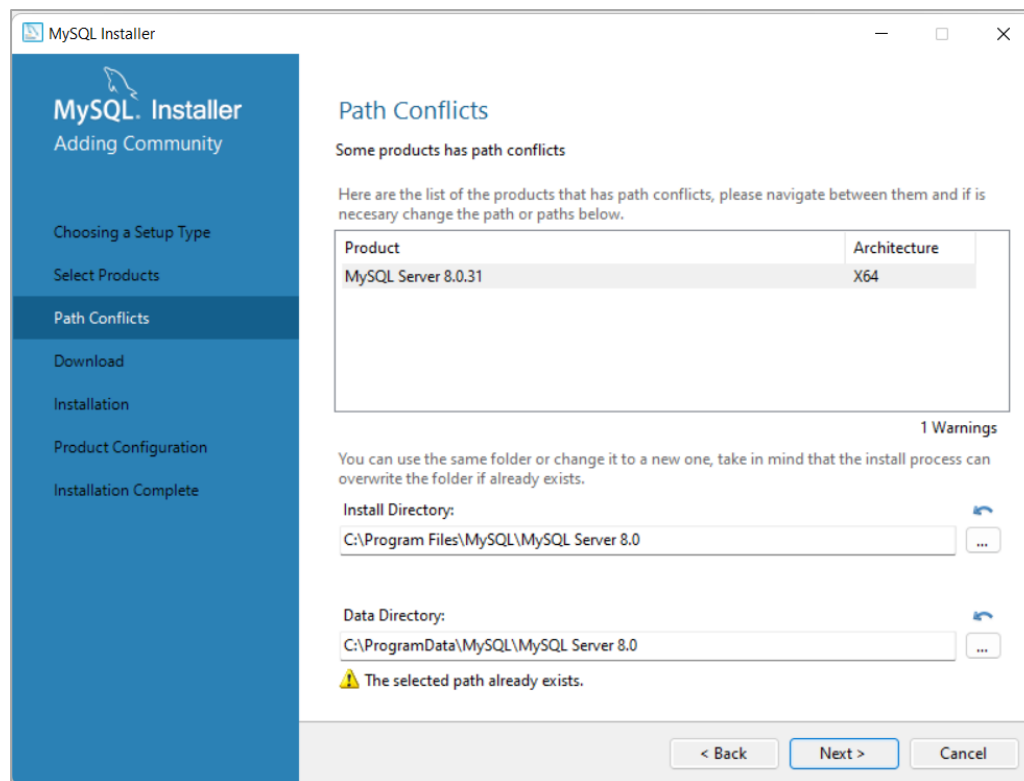
Step 3 - In the next wizard, choose the Setup Type. There are several types available. Here, we are going to select the custom option and click on the Next button



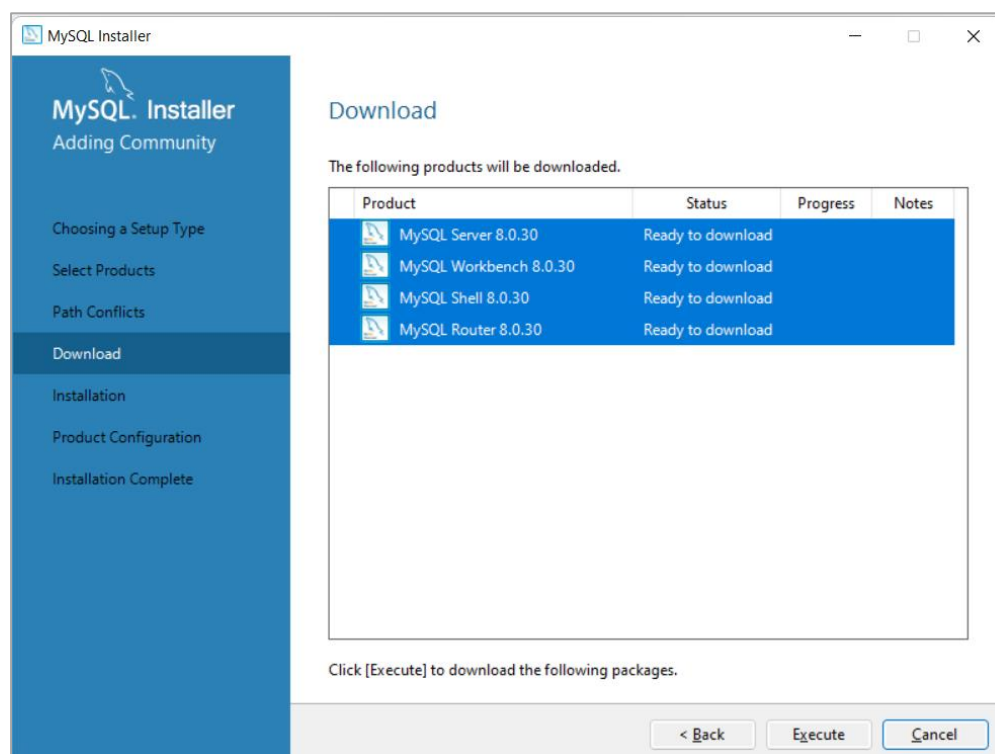
Step 4 - Once we click on the Next button, it may give information about select products. Now, click on the Next button.



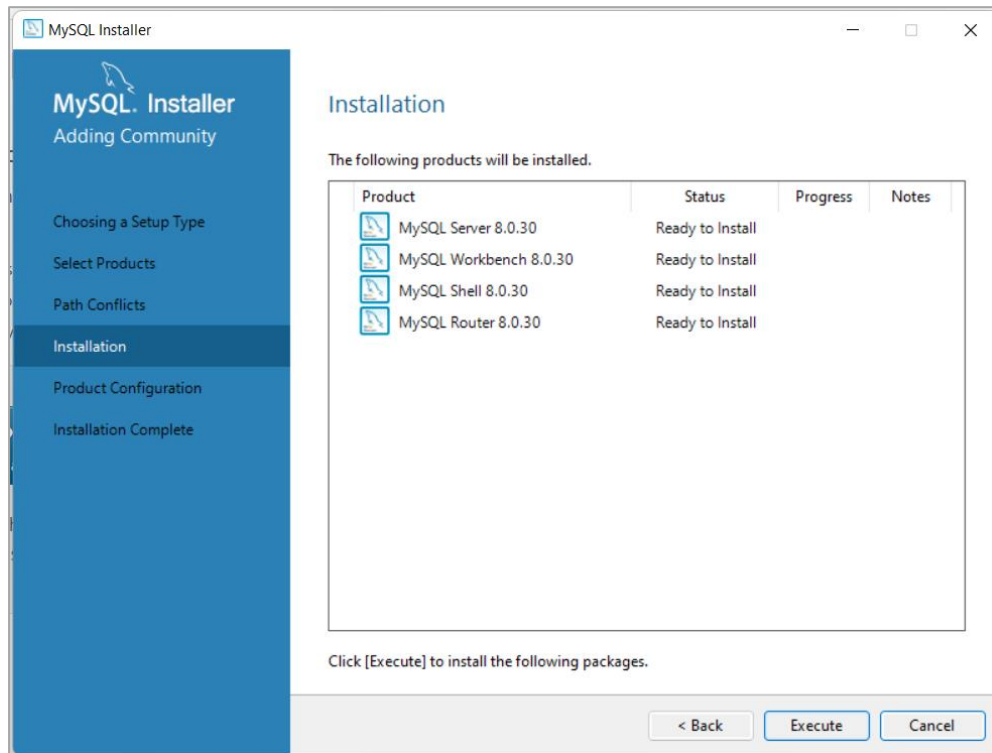
Step 5 - In the next wizard, we will see path conflicts.



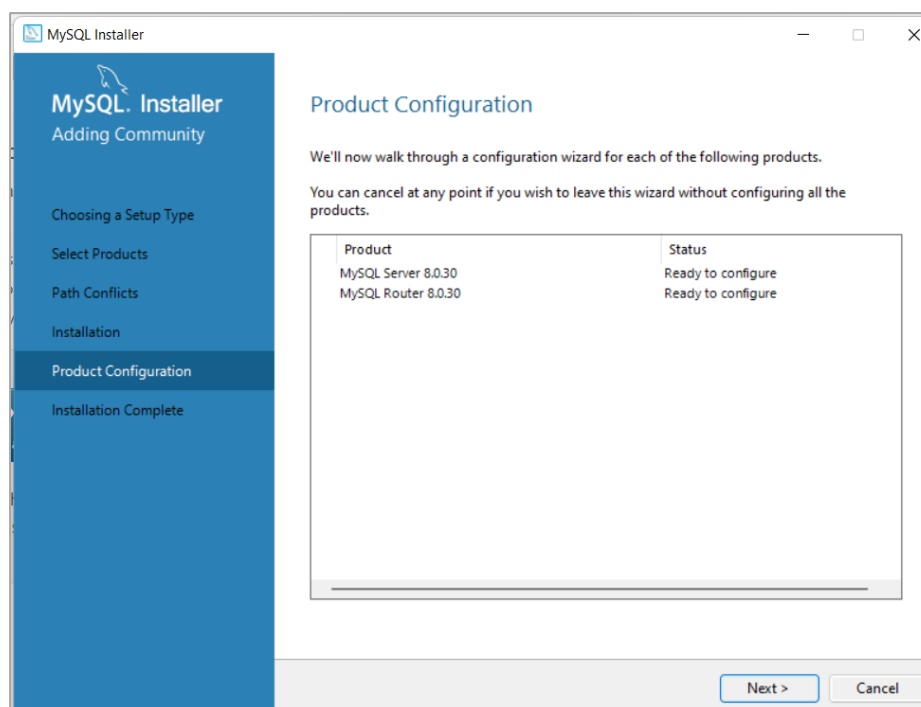
Step 6 - After clicking on the Next button, we will see the list of the products which are going to be installed. So, if we need all products, click on the Execute button.



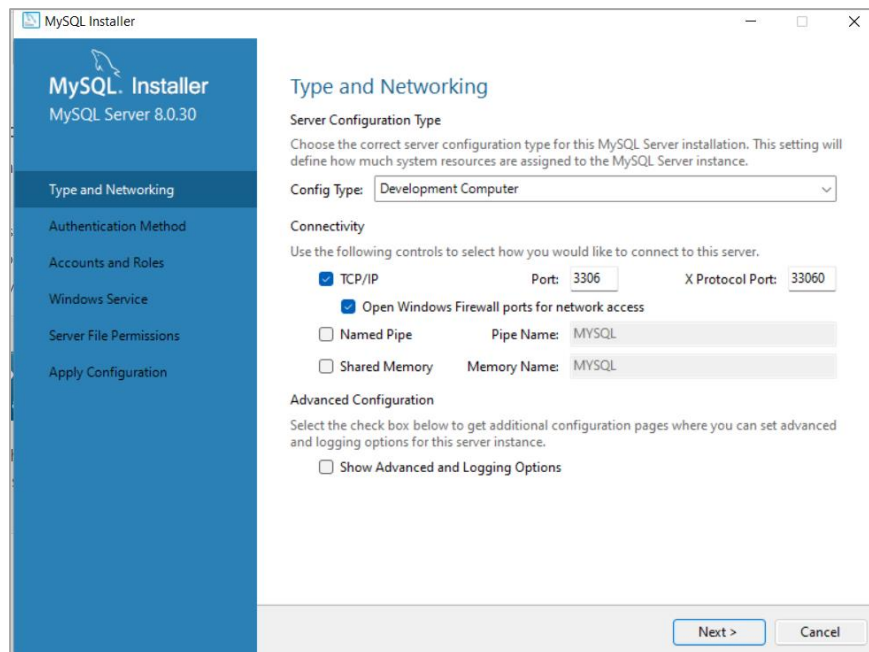
Step 7 - Once we click on the Execute button, it will download and install all the products. After completing the installation, click on the Next button and click next on next two steps



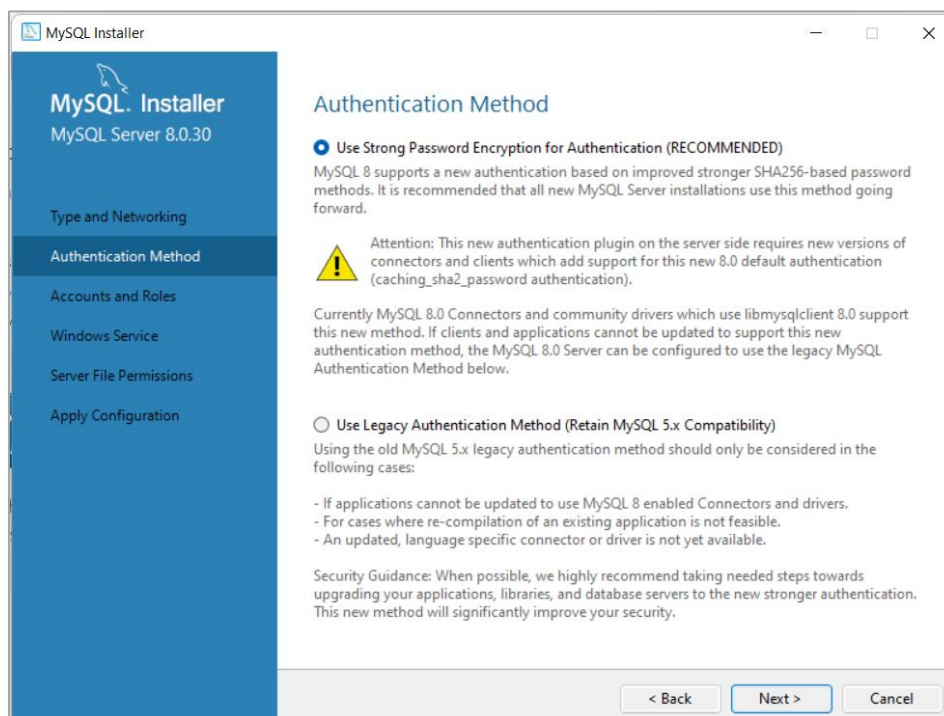
Step 8 - In the next screen, the system will show you product configuration



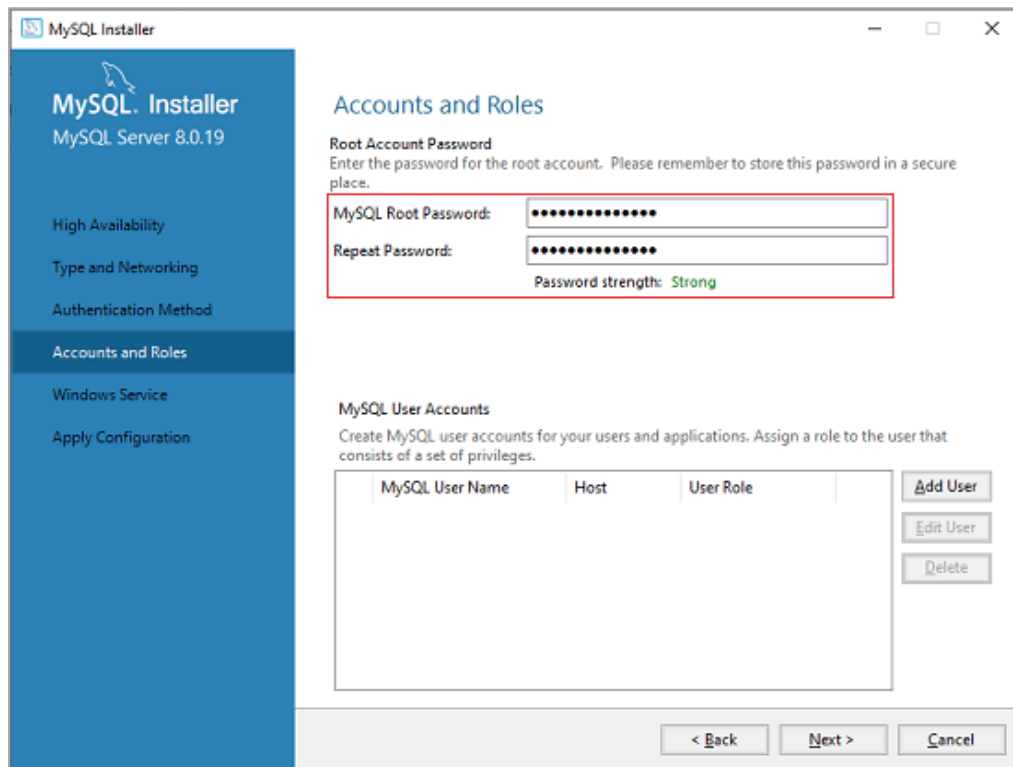
Step 9 - Now, select the type and networking and click on Next. Here, I am going to select the first option.



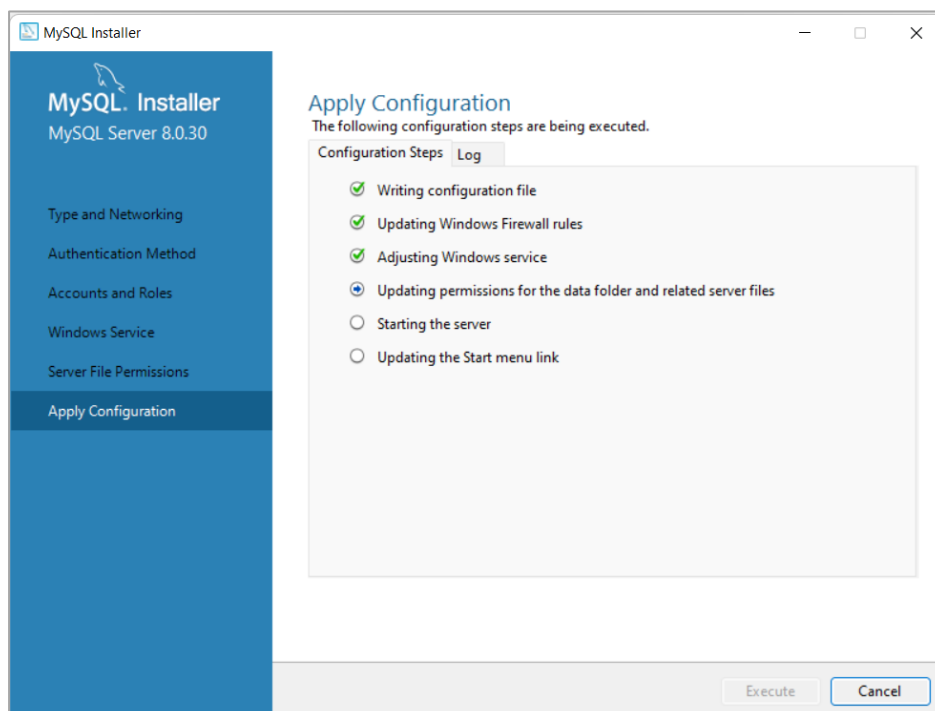
Step 10 - Now, select the Authentication Method and click on Next. Here, I am going to select the first option.



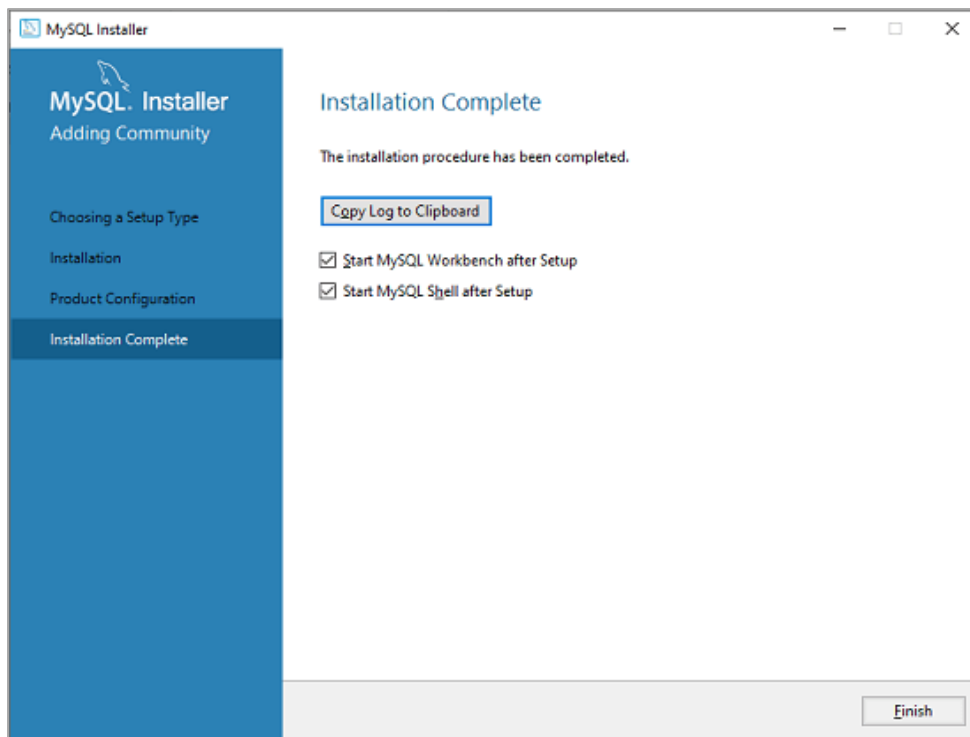
Step 11 – The next screen will ask you to mention the MySQL Root Password. After filling the password details, click on the Next button



Step 12 – Then the next screen is to configure the Windows Service to start the server. Keep the default setup and click on the Next button.



Step 12 - Now, the MySQL installation is complete. Click on the Finish button.



3. Download Liferay 6.2 Tomcat Bundles

Step 1 – Download the Bundle with Tomcat (tar.gz)

Info For: Partners Developers Customers

EN (US)

Liferay

Platform Solutions Resources Services Company [Contact Sales](#)

Liferay Community Downloads

Liferay Portal

Build your project on the community supported Liferay Portal CE which is designed for smaller, non-critical deployments and contributing to Liferay development.

Liferay Commerce

Build your commerce project with a suite of B2B and B2C features built from the ground up. Now comes bundled with Liferay Portal CE.

Liferay Portal and Liferay Commerce

LIFERAY PORTAL 7.4 GA49 | LIFERAY COMMERCE 4.0 GA49 | NOVEMBER 4, 2022


Bundled with Tomcat (tar.gz) [Download](#)

Note: Older versions are available on GitHub.
Portal and Commerce Release Highlights

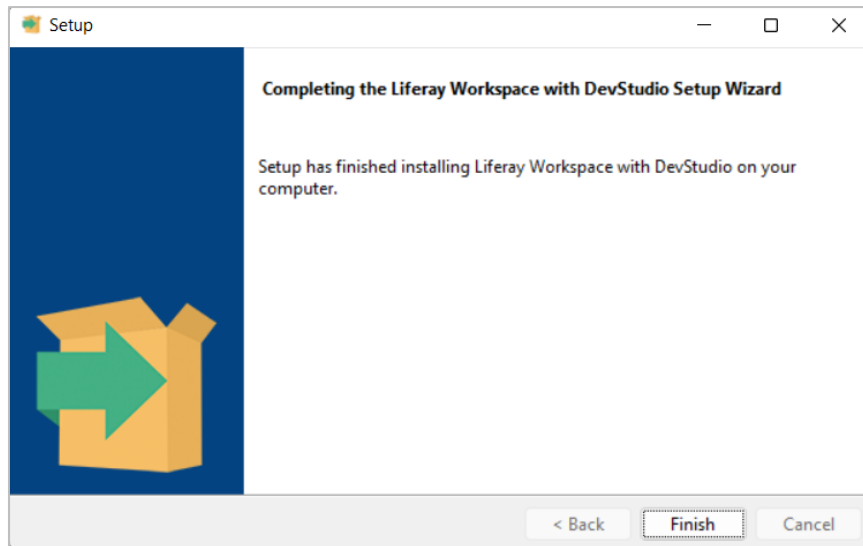
[Portal Installation Instructions](#)

[Commerce Installation Instructions](#)

[Try the enterprise supported Liferay DXP for 30 days](#)




liferay-ce-portal-tomcat-7.4.3.47-ga47-2...	11/10/2022 1:13 AM	gz	1,005,208 KB
LiferayWorkspacewithDevStudio-2022071...	11/10/2022 7:26 AM	Application	436,817 KB



4. Configure database settings in portal-ext.properties file

5. Start tomcat server and access Liferay Portal using <http://localhost:8080/>

 Liferay

Basic Configuration

PORTAL

Portal Name *

Default Language

English (United States) ⌵ Change

Time Zone

(UTC) Coordinated Universal Time ⌵

ADMINISTRATOR USER

First Name *

Last Name *

Email *

DATABASE


Default Database (Hypersonic)

This database is useful for development and demo'ing purposes, but it is not recommended for production use.
(Change)

Finish Configuration

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6. Complete required basic configurations

 **Liferay**

Basic Configuration

PORTAL
Portal Name *
OnlineNews
Default Language
English (United States) Change
Time Zone
(UTC) Coordinated Universal Time


ADMINISTRATOR USER
First Name *
Chathushi
Last Name *
Jayarathna
Email *
chathushi0707@gmail.com

DATABASE
[« Use Default Database](#)
Database Type
MySQL
JDBC URL *
jdbc:mysql://localhost/liferay_project?characterEncoding=UTF-8&dontTrackOpenResources=true
JDBC Driver Class Name *
com.mysql.cj.jdbc.Driver
User Name
root
Password

SAMPLE DATA
☐ Add Sample Data
Finish Configuration

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 **Liferay**

Basic Configuration

✓ **Success:** Your configuration was saved successfully.

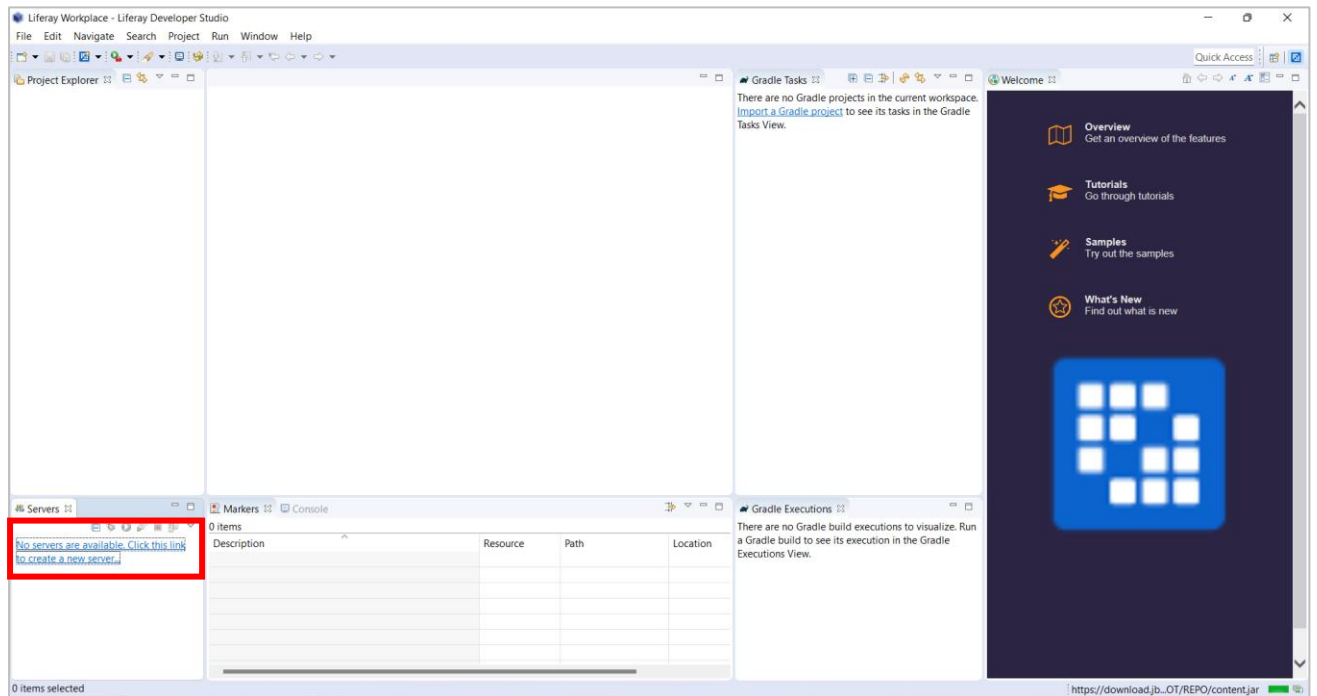
The configuration was saved in L:/LIFERAY/liferay-ce-portal-7.4.3.47-ga47/portal-setup-wizard.properties.

i **Info:** Changes will take effect once the portal is restarted. Please restart the portal now.

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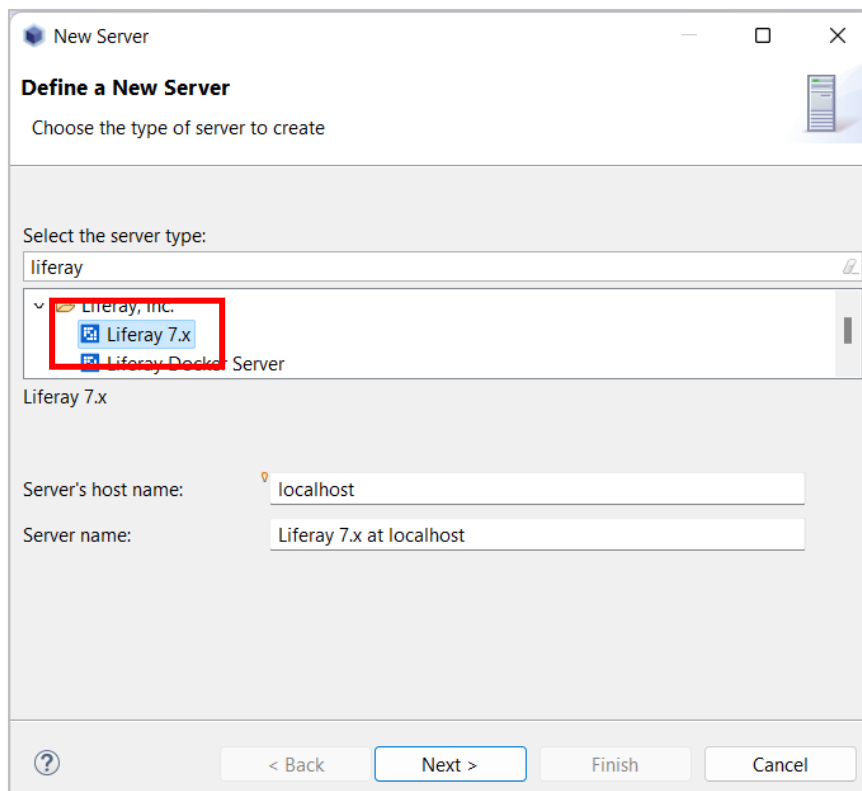
7. Configure Liferay Server in Eclipse

Step 1 – Add Server in Liferay Workplace. Click on the link in the Server



panel

Step 2 – In Liferay, Inc. Select Liferay 7.X



Step 3 – Add the Liferay Portal bundle Directory and Select Runtime JDK

New Server

Liferay Portal Runtime

Specify the installation directory of the portal bundle.

Name
Liferay Community Edition Portal 7.4.3.47 CE GA47

Liferay Portal Bundle Directory
D:\Application\liferay-ce-portal-7.4.3.47-ga47 Browse...

Detected portal bundle type
Tomcat

Select runtime JRE
jdk1.8.0_202 Installed JREs...

< Back Next > **Finish** Cancel

Liferay Workplace - Liferay 7.x at localhost - Liferay Developer Studio

File Edit Navigate Search Project Run Window Help

Project Explorer

Overview

General Information
Specify the host name and other common settings.
Server name: Liferay 7.x at localhost
Host name: localhost
Runtime Environment: Liferay Community Edition Portal 7.4.3.47 CE GA47
[Open launch configuration](#)

Liferay Launch
☐ Default Launch Settings
☒ Custom Launch Settings
Memory args: -Xmx2560m -XXMaxMetaspaceSize=768m -XXM
External properties: Browse...
☒ Use developer mode
[Restore defaults](#)

Liferay Account
Username: test@liferay.com

Console
Liferay 7.x at localhost [Liferay 7.x] C:\Program Files\Java\jdk1.8.0_202\bin\java.exe (Nov 10, 2022, 1:28:15 PM)
Loading jar:file:/D:/Application/liferay-ce-portal-7.4.3.47-ga47/tomcat-9.0.65/webapps/ROOT/WEB-INF/shielded-con
Loading file:/D:/Application/liferay-ce-portal-7.4.3.47-ga47/portal-ext.properties
Loading file:/D:/Application/liferay-ce-portal-7.4.3.47-ga47/tomcat-9.0.65/webapps/ROOT/WEB-INF/classes/portal-d
2022-11-10 07:58:23.390 INFO [main][PortalContextLoaderListener:123] JVM arguments: -XX:MaxMetaspaceSize=768m -
2022-11-10 07:58:46.405 WARN [main][DialectDetector:82] Liferay is configured to use Hypersonic as its database
2022-11-10 07:58:46.405 INFO [main][DialectDetector:153] Using dialect com.liferay.portal.dao.orm.hibernate.HSQ
2022-11-10 07:58:49.593 INFO [main][ModuleFrameworkImpl:1284] Starting initial bundles

Gradle Tasks
There are no Gradle projects in the current workspace. [Import a Gradle project](#) to see its tasks in the Gradle Tasks View.

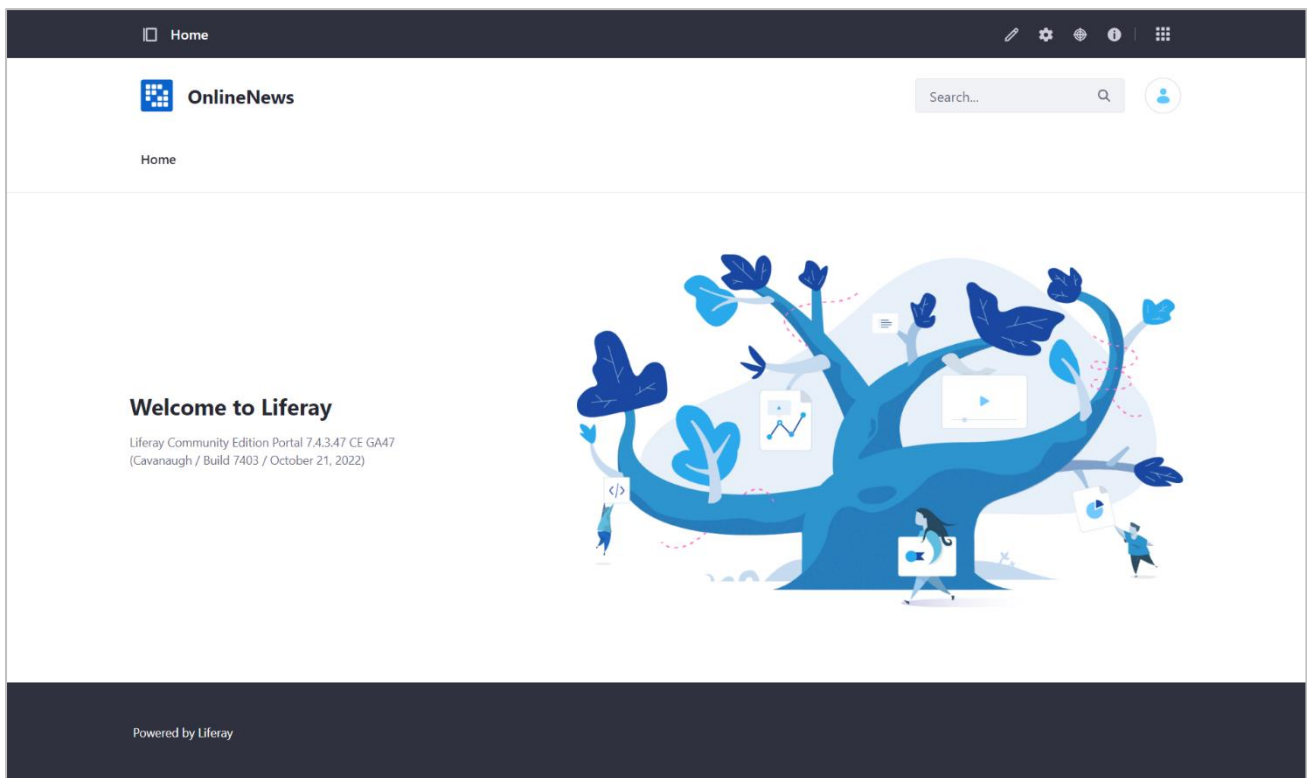
Gradle Executions
There are no Gradle build executions to visualize. Run a Gradle build to see its execution in the Gradle Executions View.

1 item selected

Starting Liferay 7.x at localhost (100%)

(02)

1. Create a blank site with the site name "Online News Portal".



2. Choose Membership type is Open that anyone can be member of the site.

Sites						
<input type="checkbox"/> Filter and Order <input type="text" value="Search for"/>						
Sites						
Name	Child Sites	Membership Type	Members	Active		
<input type="checkbox"/> Global	-	Restricted	0	Yes		
<input type="checkbox"/> OnlineNews	2 Child Sites	Open	1 User	Yes		
<input type="checkbox"/> Portal	0 Child Sites	Open	1 User	Yes		

a. Home Page

- Create "Welcome Message" generic portlet.
- Add "Sign In" and "Welcome Message" applications to Home Page

Home

DRAFT

OnlineNews

Search...

Home About Contact Us News

Welcome to CDJ World News

Get the latest news in the world.

Biden's goal: Prevent China-US conflict



At the start of a high-stakes meeting with China's Xi, the US President laid out what he hopes to gain from the talks

Video: See the moment Biden and Xi met in Dali

These are the top issues on the table at today's talks

The two nations need to reach increasingly trade relations

Opinion: In post-Covid China, a different death toll emerges

Control of the House comes down to these US states

• Track the remaining states in the race

• GOP leaders brace for Senate talks

• Biden: everything depends on the House

Suspect in custody over Istanbul blast that killed 6 and injured 81

• Police: 'JAF' says he will give most of his money to charity

• Case which Pence said about what Trump meant during January 6

• Chinese authorities tackle property slump with sweeping reforms

• University of Virginia shooting: 3 dead, 2 wounded

• Michelle Obama weighs in on potential Biden 2024 run

• Four University of Idaho students found dead in house outside campus


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chathush0707@gmail.com

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Sport



Soccer heading in 'dangerous' direction after Qatar 2022


This footballer is constantly abused for his stance on Britain's 'colonial' rule

Wayne Rooney as you've never seen him before -- rolling sushi

He braved sharks and shipping containers to complete a pioneering swim

They were a 'closeted queer person,' before their life was changed by a 5km race

Style



The small town of Bliss, Idaho, is 'disappearing' — a photographer has created a capsule of life there


'An exceptional finding': Archaeologists unearth trove of Roman statues

Inside Chanel's star-studded show in Miami

'Calendar Girls' shows senior women like you've never seen them (but probably should)

'Black Panther' premiere: 'This feels like massive progress'

Opinion



Five biggest reveals from the voters

Blocking student loan relief for millions is wrong

No one is coming to save the crypto industry

Lauren Boebert's unexpectedly close race

Pay transparency is step in right direction


'Sexiest man alive'? Not so much

Even the DeSantis bubble may burst

Politics



Science & Health



Tech



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b. News Page


News

OnlineNews

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Today Latest News




Here Are The Three Big Issues Facing Ukrain...
UKRAINE'S WINTER WAR

Here Are The Three Big Issues Facing Ukraine As A Tough Winter Approaches




Will England WIN the T20 World Cup? 🤔 | W...
Will England WIN the T20 World Cup? 🤔 | World Cup final preview 🏏

Will England WIN the T20 World Cup? 🤔 | World Cup final preview 🏏




5 Democrats maintain control of the Senate
DEMOCRATS SEAL CONTROL OF THE SENATE

Democrats maintain control of the Senate




UK economy contracts in the third quarter; U...
UK HEADS FOR A LONG RECESSION

UK economy contracts in the third quarter; UK heads for a long recession




RBI Governor Shaktikanta Das Speaks On In...
IN CONVERSATION WITH RBI GUV SHAKTIKANTA DAS
HT LEADERSHIP SUMMIT

RBI Governor Shaktikanta Das Speaks On Indian Economy, Rupee Trajectory & More




From France to UK, Mass Protests Bring Eur...
MASS PROTESTS ROCK FRANCE

From France to UK, Mass Protests Bring Europe to a Standstill | Europe Energy Crisis



BREAKING NEWS

Watch on YouTube



Several injured in explosion in central Istanbul: Turkish media
BREAKING SEVERAL INJURED IN ISTANBUL EXPLOSION

Watch on YouTube

Sports Education Hourly News Foreign

8.00 AM HOURLY ...
14 NOV 2022

8.00 AM HOURLY ...
13 NOV 2022

8.00 AM HOURLY ...
11 NOV 2022

8.00 AM HOURLY ...
10 NOV 2022

8.00 AM HOURLY ...
09 NOV 2022

8.00 AM HOURLY ...
05 NOV 2022

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C. About Us Page

About

OnlineNews

Search...

Home

About

Contact Us

News

About Us

History

Vision

Mission

About Us

In the highly competitive news broadcasting space, Derana has built probably the most unbiased and comprehensive news property on offer "Ada Derana" - with a news team of 100 people geared to deliver the most accurate and timely information. Ada Derana To be the number one News brand among Sri Lankans in terms of loyalty by reaching them through every possible opportunity in late 2007, Ada Derana entered into a partnership with Dialog Telekom, the largest mobile phone operator in Sri Lanka, to send breaking news alerts to all Dialog mobile subscribers as Short Text Messages (SMS). Currently, instant news alerts can be obtained through all the leading operators.

Today, Ada Derana is characterised by its availability across delivery channels such as Television, Radio, Web, SMS alerts, IVR, Video Alerts, and social media such as Facebook, Twitter and YouTube.

In most of these forms, Ada Derana is available on a multilingual platform providing greater accessibility to consumers both in Sri Lanka and across the world. The style of the news property has been customized to suit each of the delivery media, taking note of the nature of consumption.

www.Adaderana.lk

The showpiece of the Ada Derana news property is the www.adaderana.lk web portal which is ranked the Number One news site used by Sri Lankans; analysis shows that surfers spend more time on the site than they do on that of the nearest competitor. Available in Sinhala, Tamil and English, the site facilitates two way viewer generation by offering consumers an interactive platform to comment on the latest stories and interact with the Ada Derana community, and by allowing viewers to file in their own news reports through Newsdesk - My Report.

- Ada Derana, the premium news property, walked away with the SLIM Brand Excellence silver award for the Most Innovative Brand of the Year at the awards ceremony held recently. The award was due recognition for Ada Derana's drive to become a leading news provider by strategically innovating its distribution and delivery. Sri Lanka Institute of Marketing (SLIM) is the nation body of marketing in Sri Lanka.
- Ada Derana has been recognized by ICTA as the Best e-Content Application among e-News providers in Sri Lanka. www.adaderana.lk was recognized for its tri-lingual presentation of news to readers in Sri Lanka and overseas. The award was presented at the e-Swabimani awards 2010 organised by ICTA at the Cinnamon Grand Hotel on 9 November 2010. The Information and Communication Technology Agency (ICTA) of Sri Lanka is the single apex body involved in ICT policy and direction for the nation. Wholly owned by the Government of Sri Lanka, ICTA is the implementing organization of the e-Sri Lanka Initiative. Major donors including the World Bank will be funding a number of the Agency's initiatives.
- www.adaderana.lk won the silver award at the "The most Popular Web Competition 2010" organized by the Sri Lanka Domen registry. This is the only award ceremony in Sri Lanka dedicated for web sites.
- Ada Derana won the Manthan Award South Asia 2010 in the e-News & Media category. The Manthan Award given by the Department of Information Technology of India recognizes and rewards the best e-content from eight countries in the South Asian region. Ada Derana has the distinction of being the only Sri Lankan website among four finalists in the e-News & Media category this year; the other three finalists represent India, Pakistan and Bangladesh.

Most Viewed Stories

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▶ Surcharge tax on diesel, petrol and crude oil at point of importation

▶ SOEs including Srilankan and SLT to be restructured

Most Viewed Video Stories

අද රාත්‍රී 6.55 ට අද දෙරණ ප්‍රධාන පුවත් විකාශ...


COMING UP
06.55
TUNING IN



බිතුරුකගේ
දෙවැනි ඉතිම

Tune in at 6.55pm for Ada Derana main news bulletin on TV Derana

Tune in at 6.55pm for Ada Derana main news bulletin on TV Derana

Hirunika arrested during protest in Colombo

LIVE | 2023 Budget: Special Live Broadcast

LIVE | 2023 Budget: Special Live Broadcast

CCTV: Man who broke into pharmacy found intoxicated after

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d. Contact Us Page

Contact Us

OnlineNews

Search...

[Home](#) [About](#) [Contact Us](#) [News](#)

Contact us

Derana Macro Entertainment (Pvt) Ltd
No. 320,
T.B. Jayah Mawatha,
Colombo 10.
Sri Lanka.

Web Editor (English) : yusuf@derana.lk
Web Editor (Sinhala) : poornima@derana.lk
Web Editor (Tamil) : bavan@derana.lk

Tel : +94 115300700
Fax : +94 112680417

Your Name (required)

Your Email (required)

Contact No.

Your Message

Send

TV Derana

320 T. B. Jayah Mawatha, Colombo 01000

4.5 ★★★★★ 645 reviews

[View larger map](#)

[Directions](#)

St. Joseph's College Colombo

Jeewa Plastics

Devanampiyatissa Mawatha

St. Joseph's College Playground

Mag City Colombo

TV Derana

Excel World Entertainment Park Amusement center

Darley Road Pub & Restaurant

Nestlé Lanka

Central Finance Company

Deen's Smart Works

Green Cabin Vauxhall Street Pastries • \$S

Mr Paint

Press Point

Keyboard shortcuts

Map data ©2022 Google

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