

HCL ZIETrans 3.0 Installation Guide



Introduction

This document provides guidance on installing HCL ZIETrans 3.0 and its prerequisite software. Z and I Emulator for Transformation (ZIETrans) enables the creation of web applications with a user-friendly graphical interface (GUI) for 3270 applications on IBM System z platforms and 5250 applications on IBM i operating system platforms.

Prerequisites

ZIETrans 3.0 is built on Eclipse Oxygen 3a as its base installer. It can be installed using either the **packaged distribution** or the **plugin repository**.

- The **packaged distribution** includes Eclipse, ZIETrans, and other necessary tools.
- If Eclipse is already installed, you can use the **ZIETrans plugin repository** to install the ZIETrans toolkit.

For detailed information on supported environments, please refer to the following link:

[Supported Environments for Version 3.0](#)

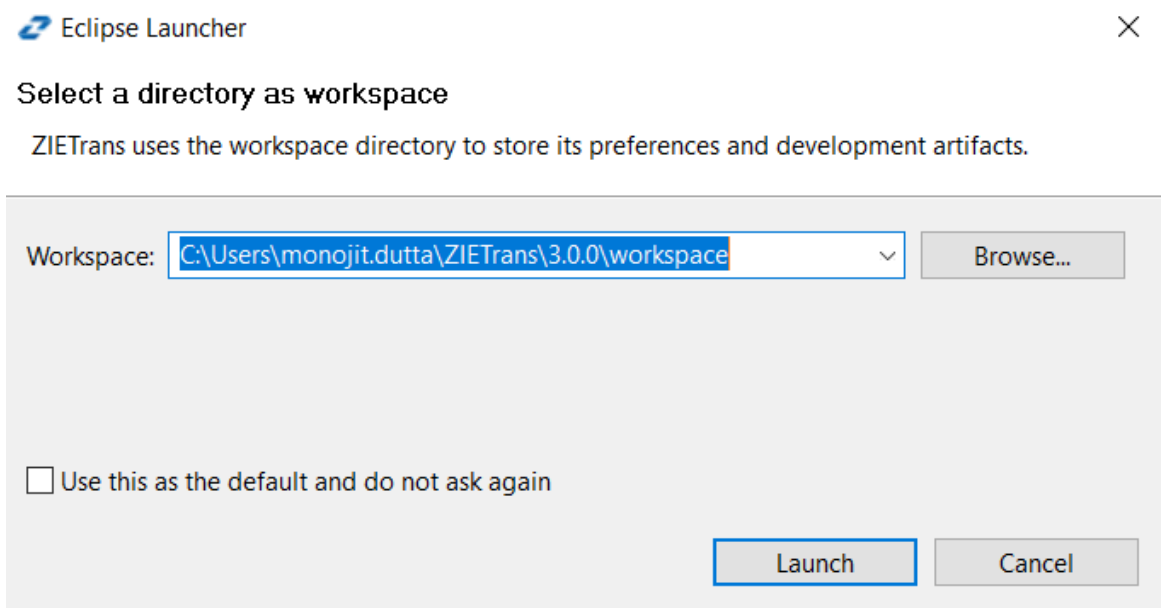
1. Installing ZIETrans with Package Distribution

Execute the following steps to install the ZIETrans with package distribution:

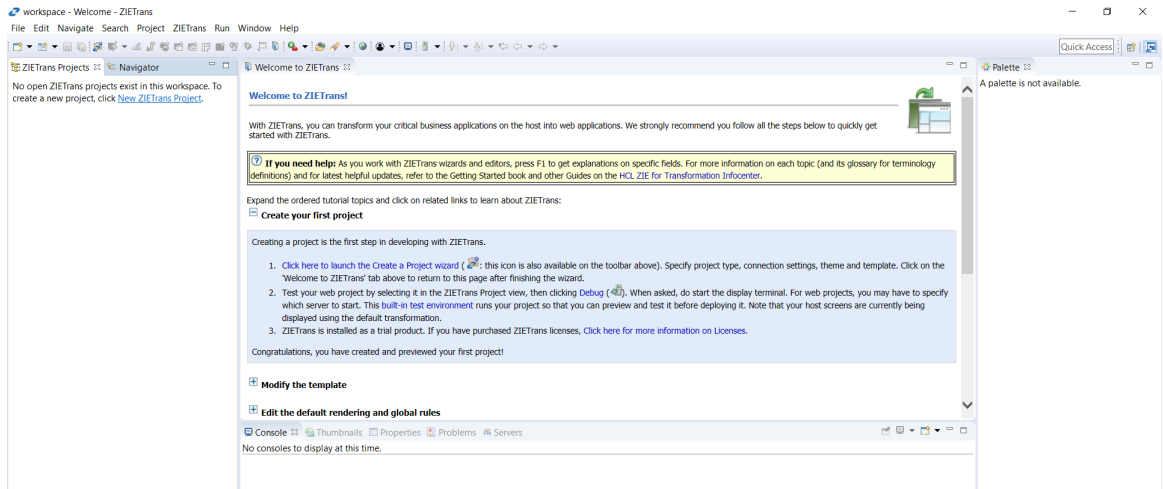
1. Unzip the **ZIETrans** package.

Name	Date modified	Type	Size
configuration	26-11-2024 19:14	File folder	
features	26-11-2024 16:08	File folder	
jdk	26-11-2024 16:08	File folder	
p2	26-11-2024 16:08	File folder	
plugins	26-11-2024 16:36	File folder	
readme	26-11-2024 16:36	File folder	
.eclipseproduct	26-11-2024 16:05	ECLIPSEPRODUCT ...	1 KB
artifacts.xml	26-11-2024 16:05	Microsoft Edge HT...	444 KB
eclipsesec.exe	26-11-2024 16:05	Application	18 KB
ZIETrans.exe	26-11-2024 16:05	Application	306 KB
ZIETrans.ini	26-11-2024 16:05	Configuration setti...	1 KB

2. Run the **ZIETrans.exe** file.
3. The **Eclipse Launcher** window appears.
4. Click the **Browse** button to select the workspace location.
5. Click the **Launch** button.



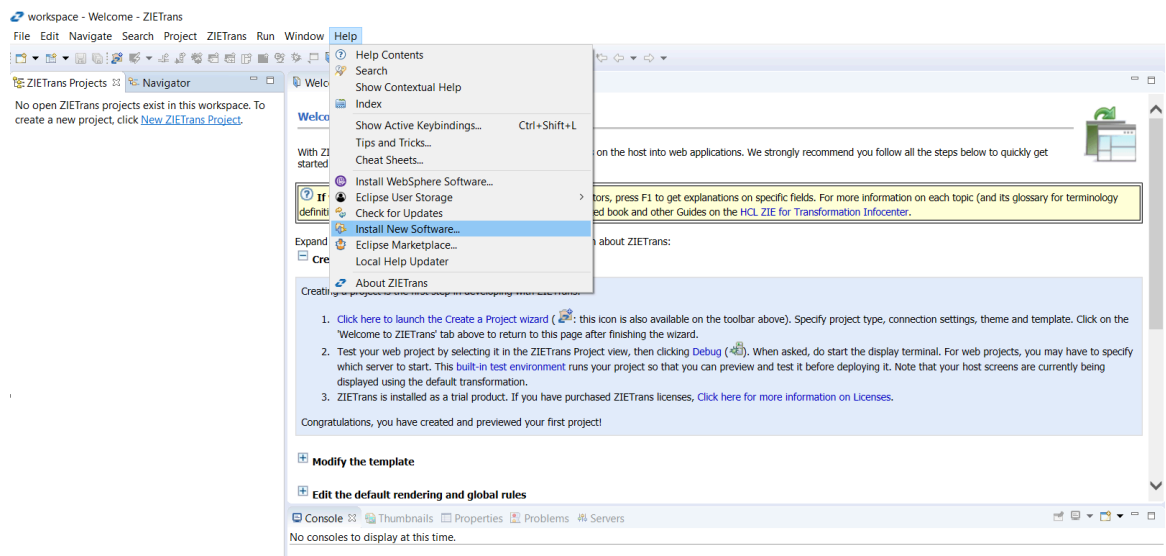
6. The Eclipse workspace appears.



7. Go to Window>Open Perspective and select the Z and I Emulator for Transformation option.

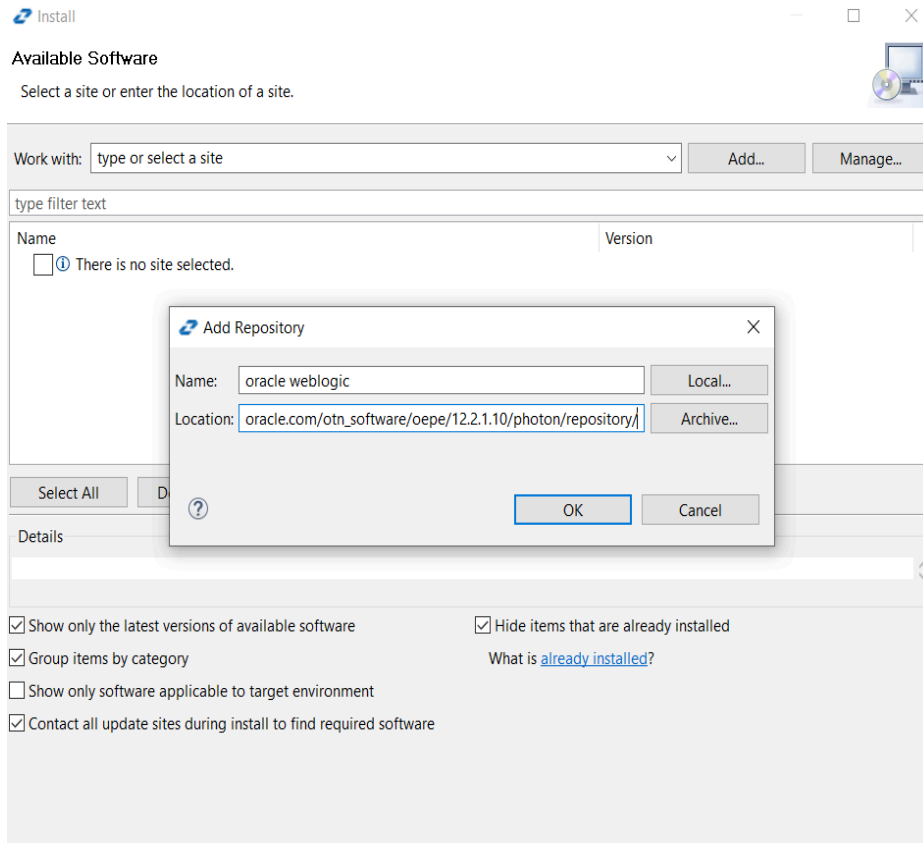
8. To use Weblogic server, install the Weblogic as follows:

a. Go to Help>Install New Software... option.

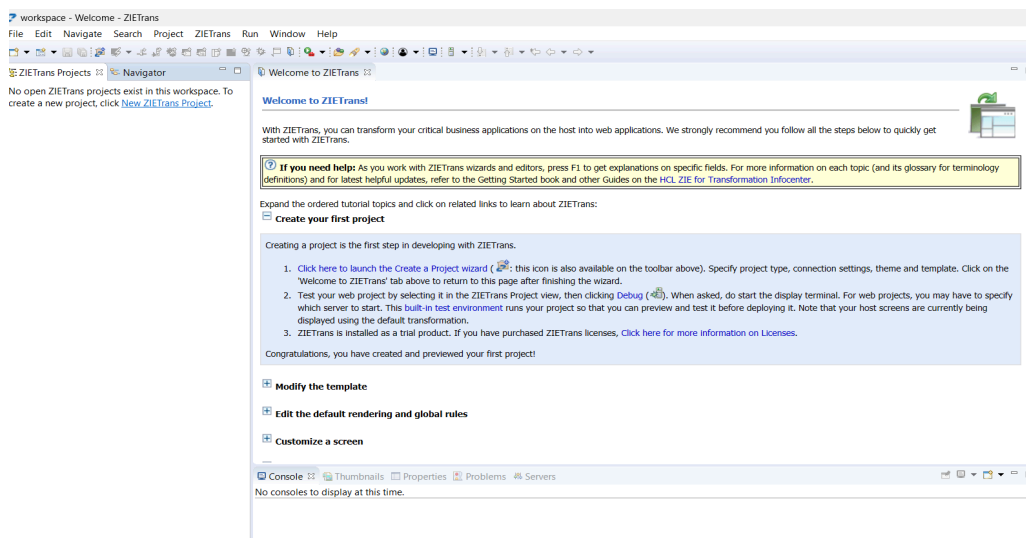


9. The Available Software window appears.

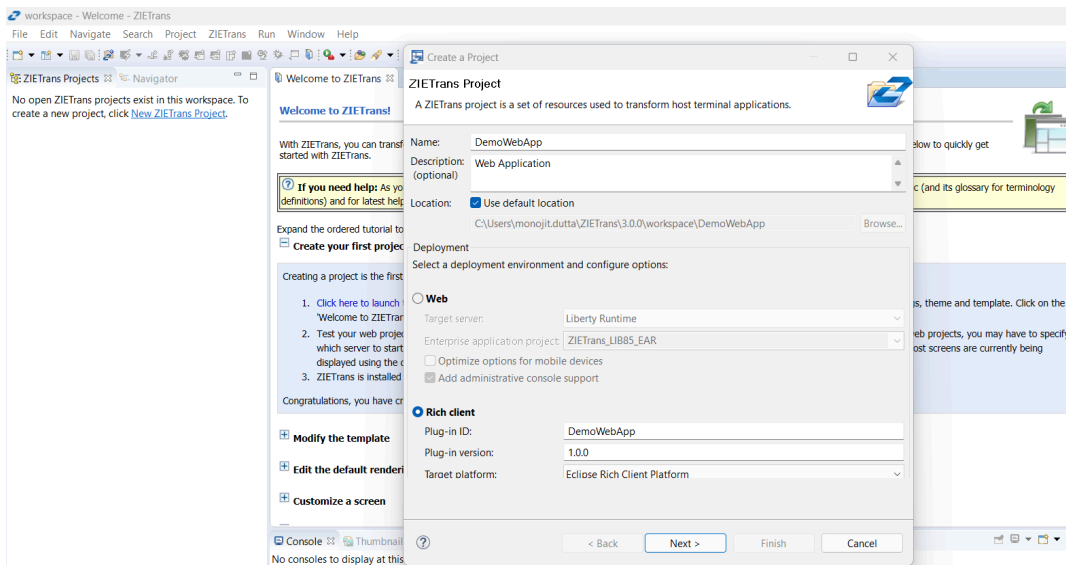
10. Click the **Add** button to add a new repository.
11. The Add Repository window appears.
12. Enter the **Name** and **Location** of the repository and click **OK**.



13. Click on the *Click here to launch the create a Project wizard link*.



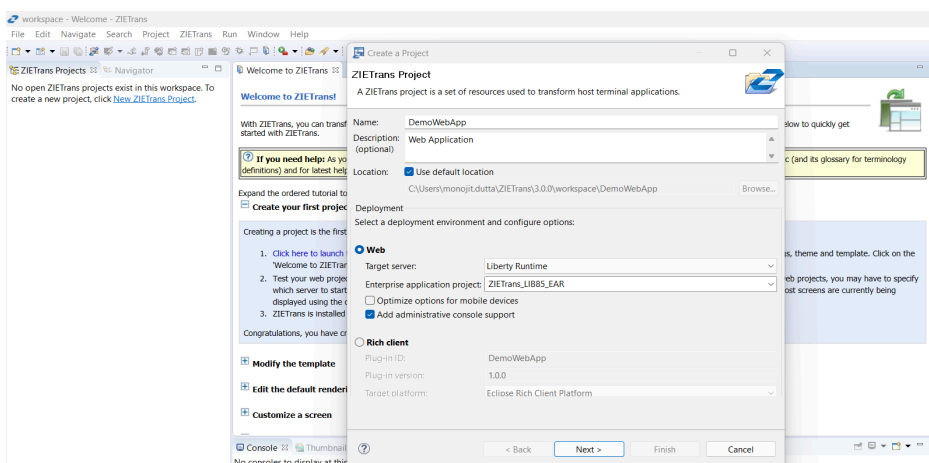
14. The Create a Project page appears.
15. Enter the Name and Description of the project.



16. Select the **Web** radio button for Web deployments.

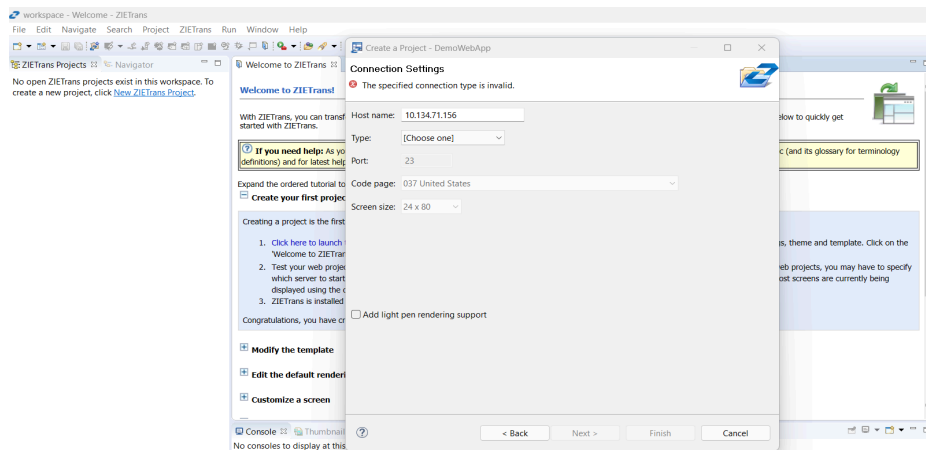
17. Enter the **Target Server** for deploying the web app.

18. Enter a name to be used for creating the **Enterprise application project**.

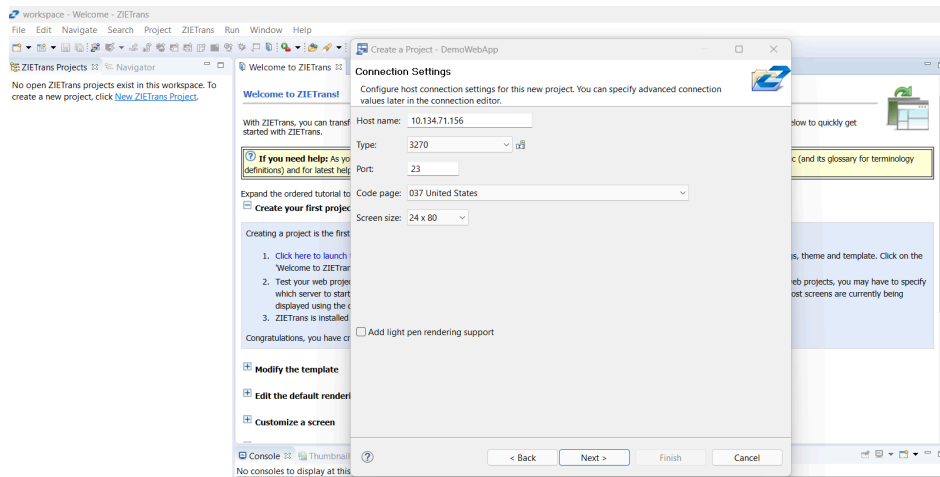


19. Click **Next** to continue.

20. The **Connection Settings** page appears. Enter the telnet server to be used to access the host application.



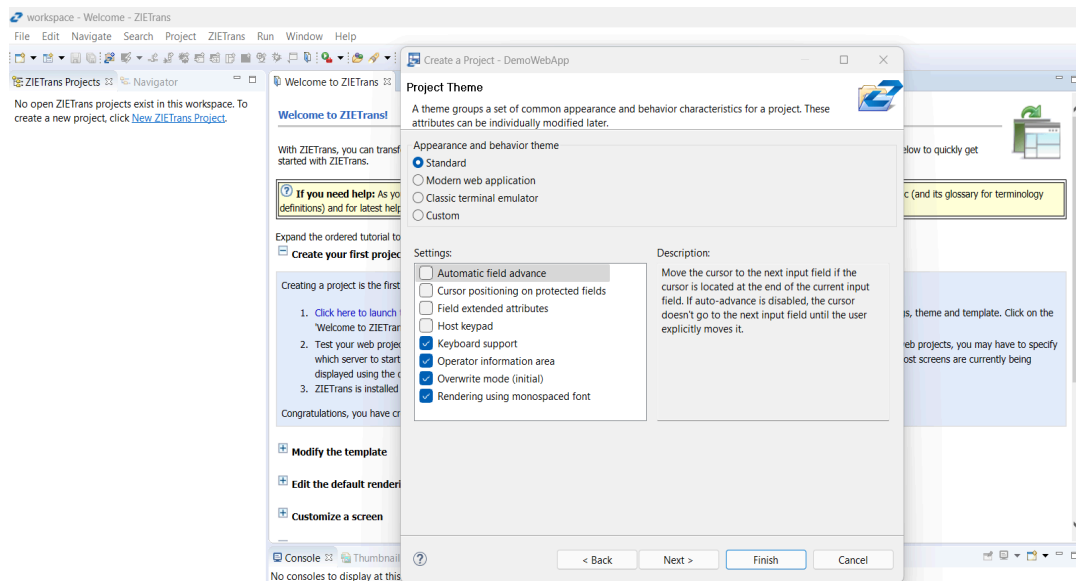
21. Select the connection **Type** (3270 or 5250) depending on the functionals required by the application.



22. Select the Port, Code Page and Screen size.

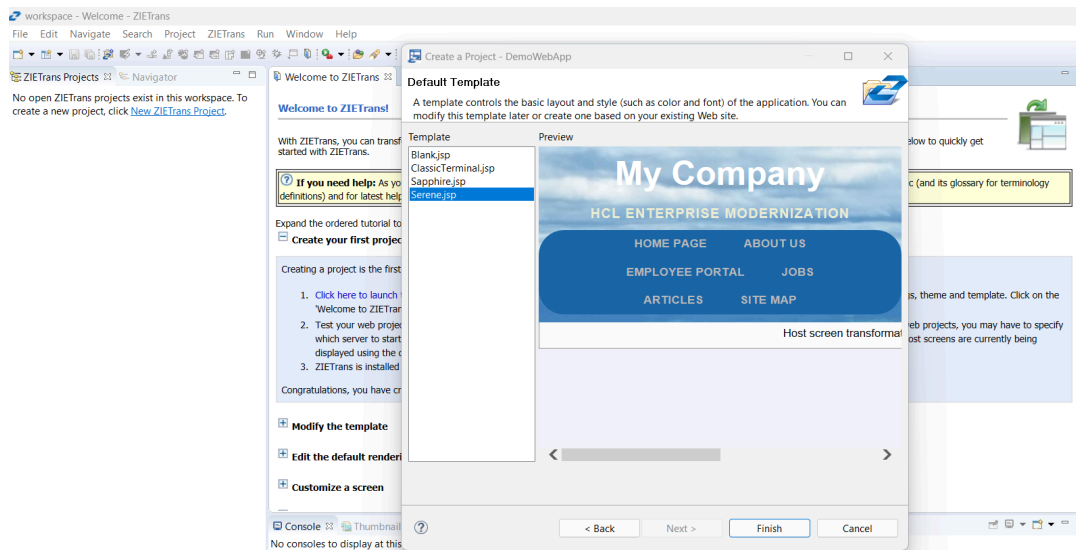
23. Click **Next**.

24. The **Project Theme** page appears. Select the required **Appearance and behaviour** theme for the application.



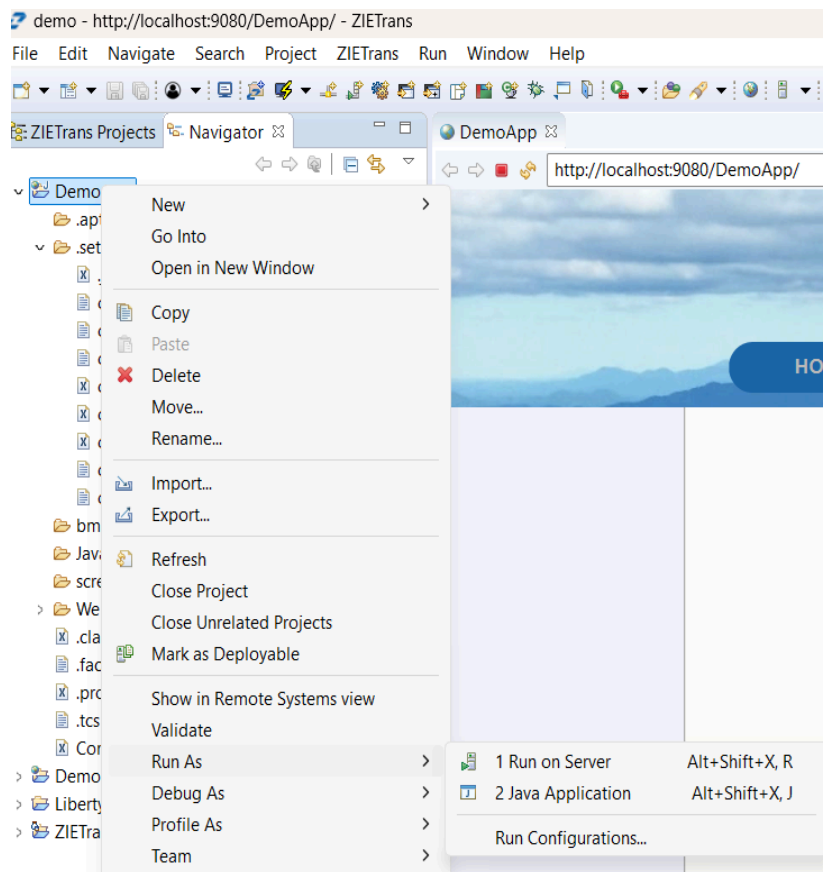
25. Click **Next**.

26. The **Default Template** page appears. Select one of the templates provided by ZIETrans.

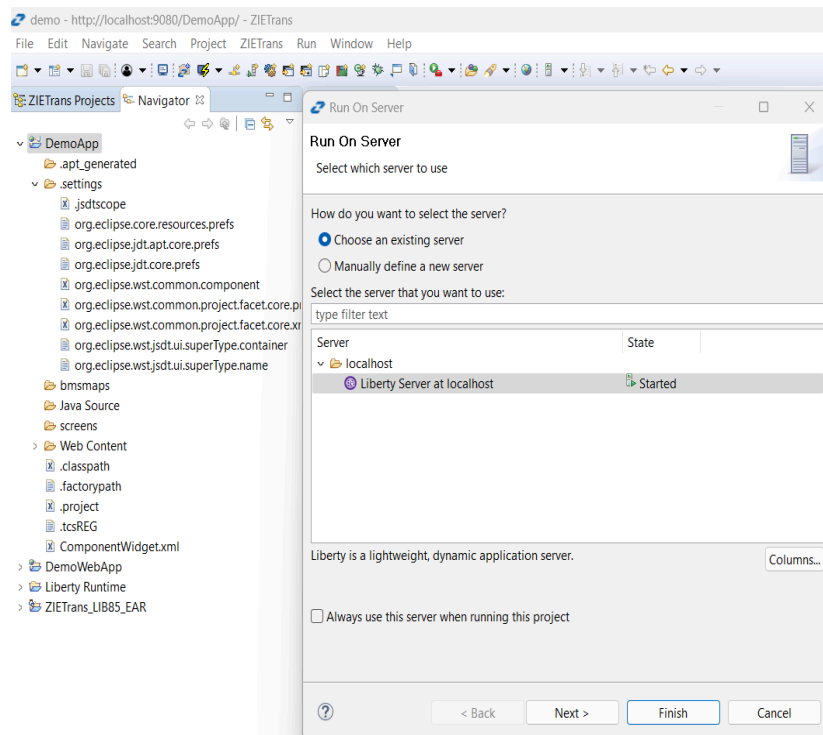


27. Click **Finish**.

28. Right click on the Project and select **Run As > 1 Run On Server**.



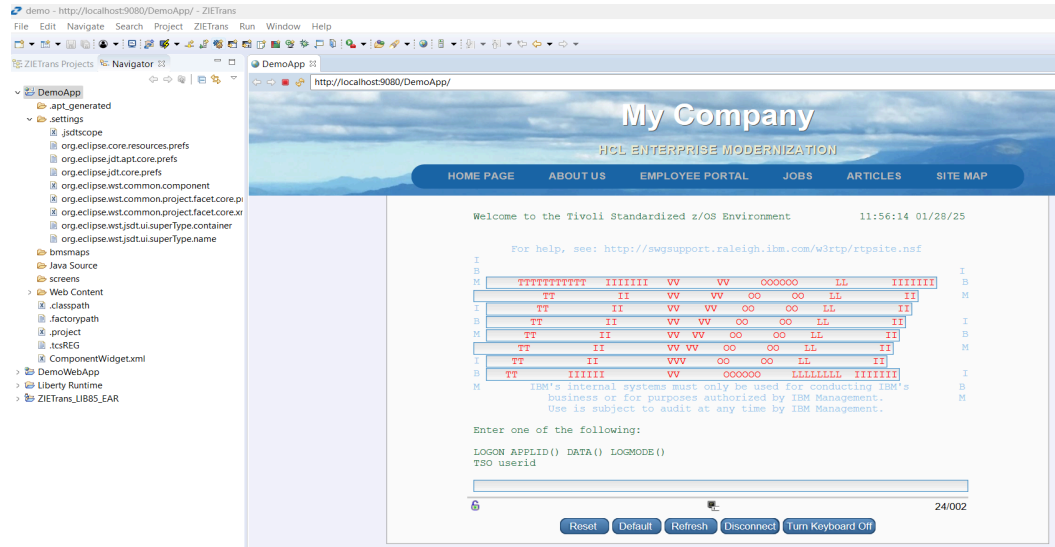
29. The **Run on Server** window appears. Select an existing server.



30. Click **Next**.

31. Click **Finish**.

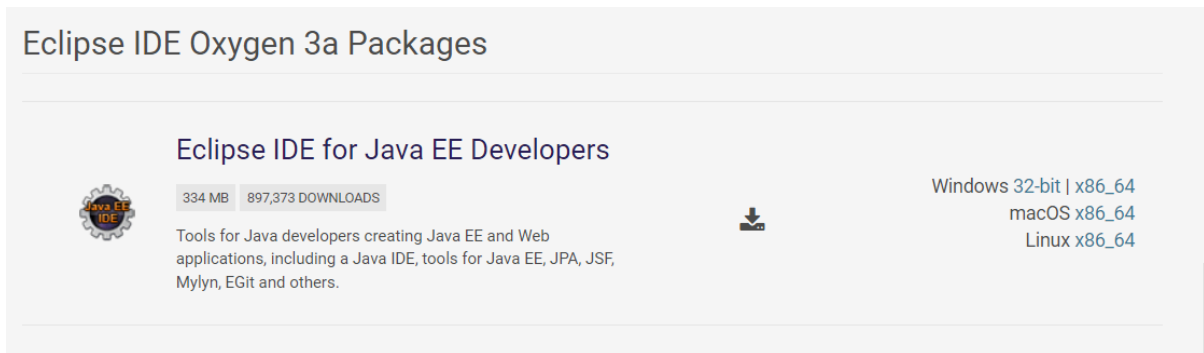
32. Check the web application deployed on the server to ensure it is displaying the default transformation.



2. Installing ZIETrans using Plugin Repository

Execute the following steps to install the ZIETrans using plugin repository:

1. Download eclipse oxygen from eclipse foundation.



The screenshot shows the Eclipse IDE Oxygen 3a Packages page. The main heading is "Eclipse IDE Oxygen 3a Packages". Below it, there is a section for "Eclipse IDE for Java EE Developers". This section includes a gear icon with "Java EE IDE" text, a size of "334 MB", and "897,373 DOWNLOADS". A description states: "Tools for Java developers creating Java EE and Web applications, including a Java IDE, tools for Java EE, JPA, JSF, Mylyn, EGit and others." To the right, there is a download icon and three platform options: "Windows 32-bit | x86_64", "macOS x86_64", and "Linux x86_64".

2. Extract the setup.

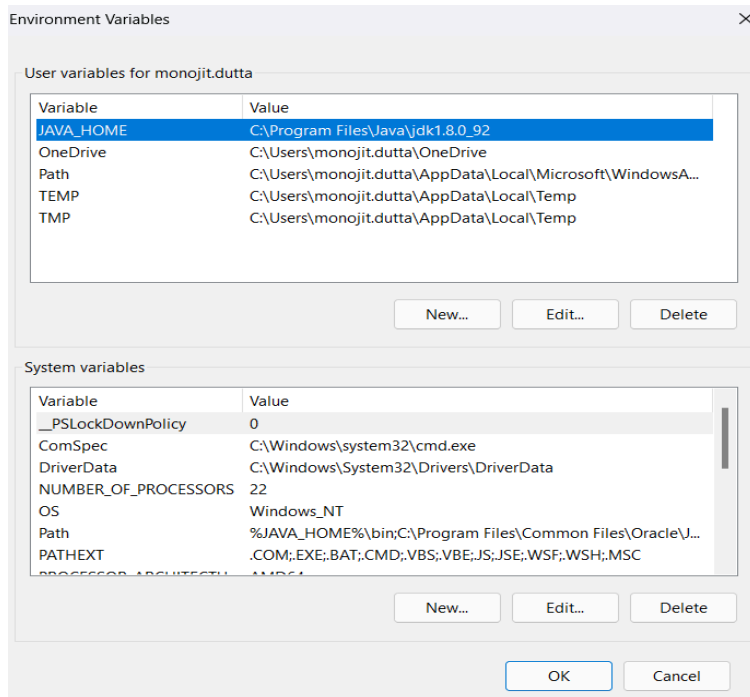
artifacts.xml	16-12-2024 22:35	xmlfile	310 KB
eclipse	16-12-2024 22:35	Configuration setti...	1 KB
.eclipseproduct	16-12-2024 21:54	ECLIPSEPRODUCT ...	1 KB
eclipse	16-12-2024 21:54	Application	313 KB
eclipsec	16-12-2024 21:54	Application	26 KB
plugins	16-12-2024 22:34	File folder	
features	16-12-2024 22:34	File folder	
p2	16-12-2024 22:28	File folder	
configuration	16-12-2024 22:28	File folder	
readme	16-12-2024 21:56	File folder	
A long time ago			
dropins	05-04-2018 11:14	File folder	

3. Download the **Java 8 installer** (OpenJDK 8u282 or Oracle 8u301).

4. Install the Java 8 to the system.

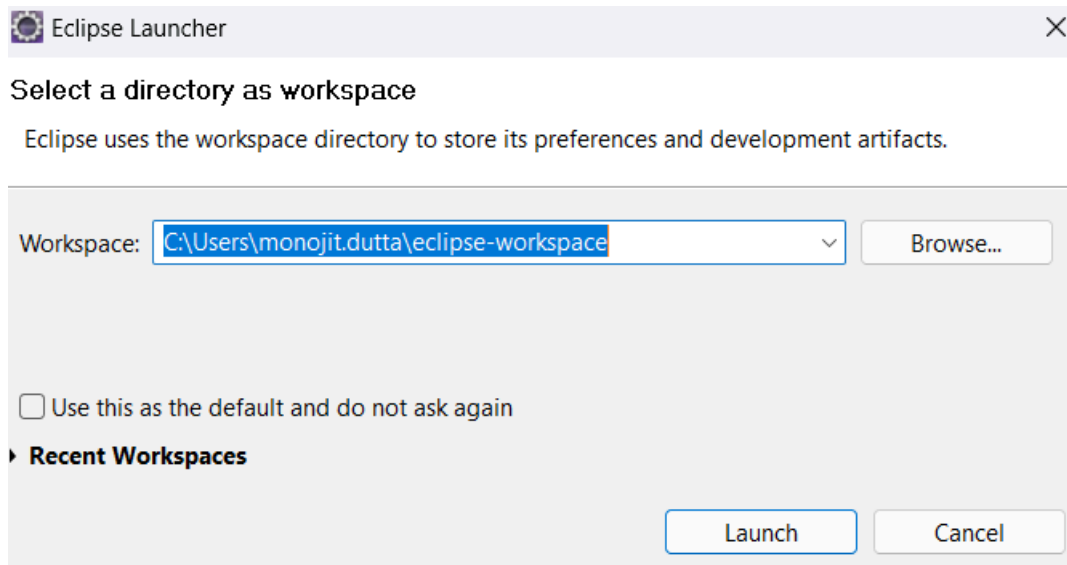
5. Set the Java JDK path to the JAVA_HOME environment variable and add the JAVA_HOME to

the Path variable.

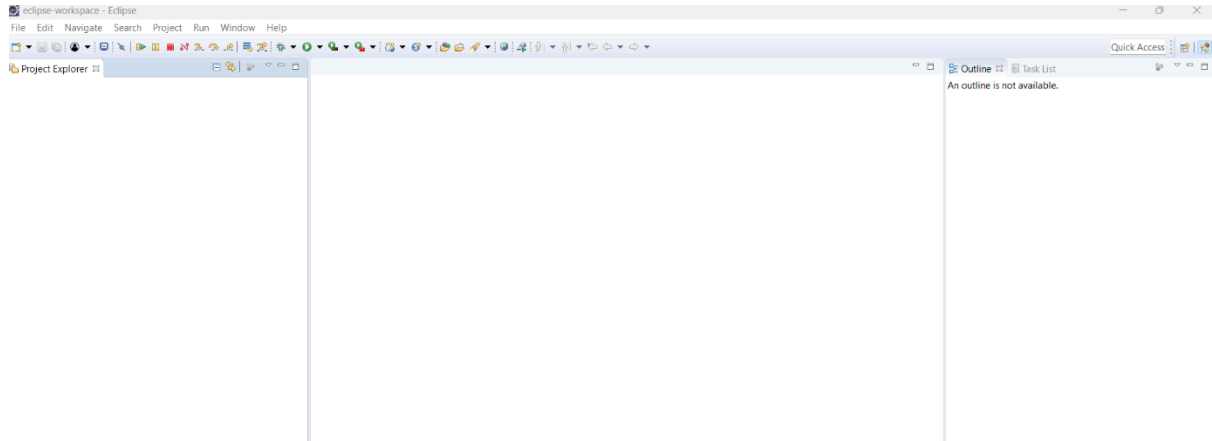


6. Click on the eclipse icon from extracted setup and launch eclipse as follows:

- a. Extract the eclipse installer.
- b. Double click on the eclipse icon.

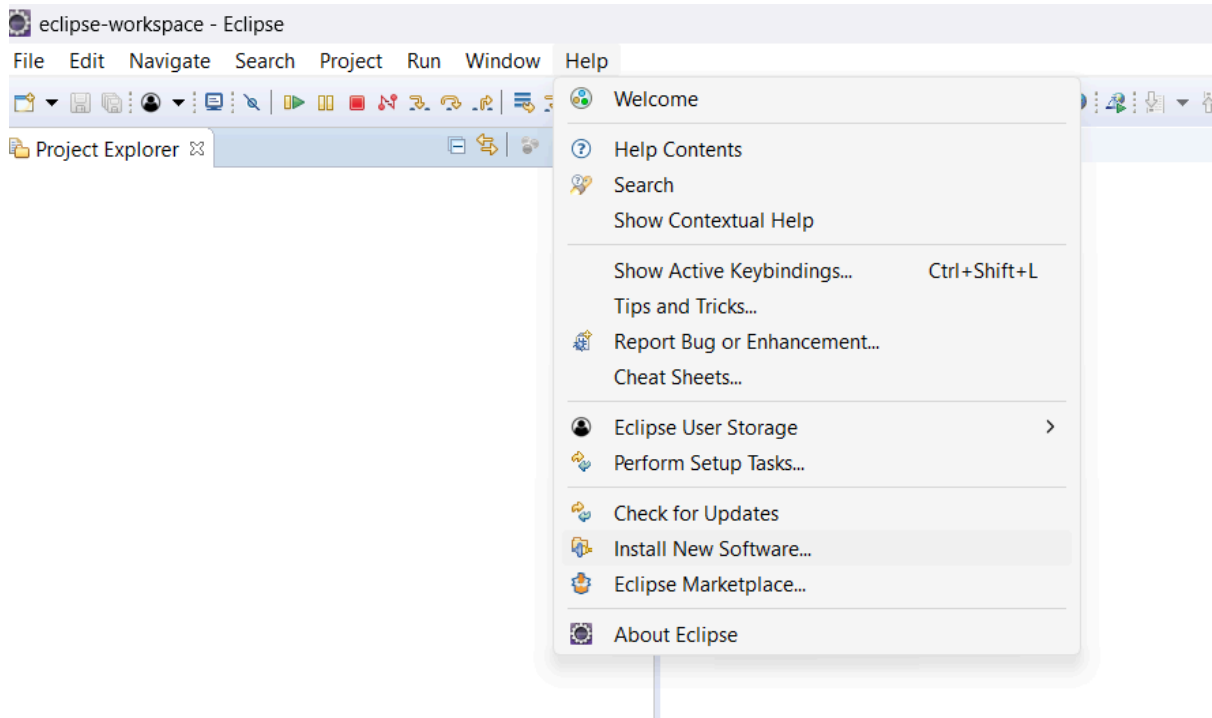


- c. Click the **Launch** button.
- d. The **Eclipse IDE window** appears.



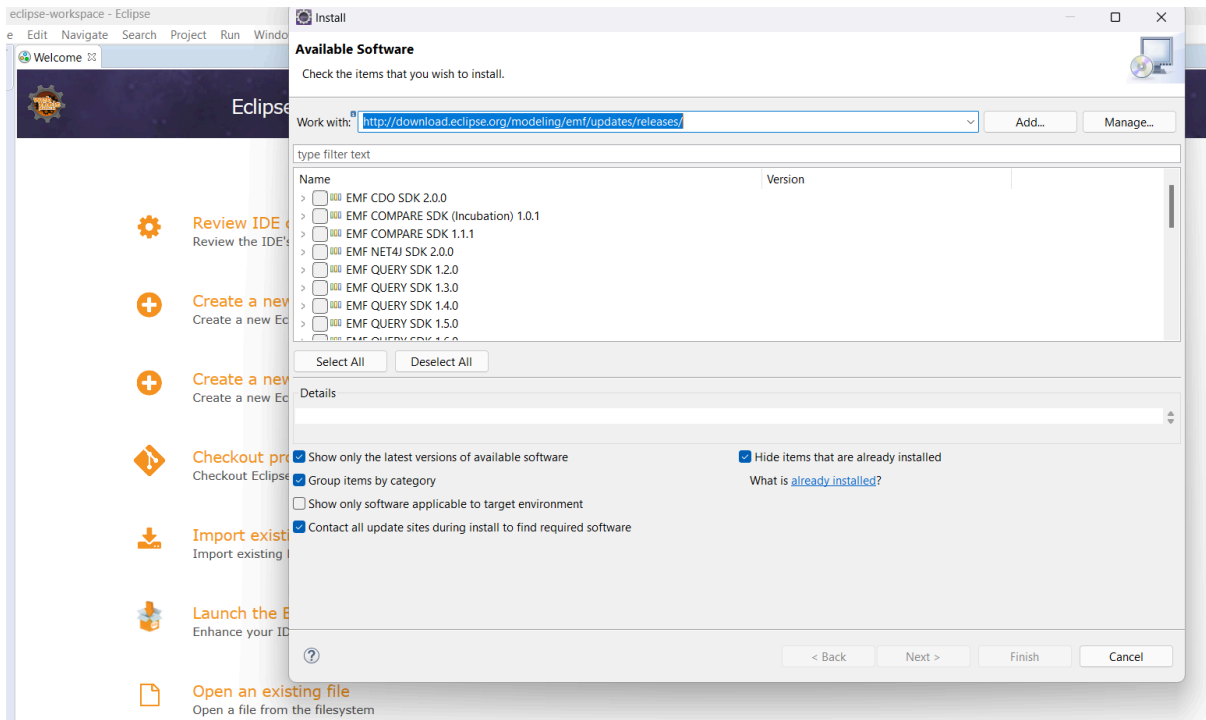
7. Install the EMF 2.4 repository plugin as follows:

- a. Go to *Help > Install New Software*.

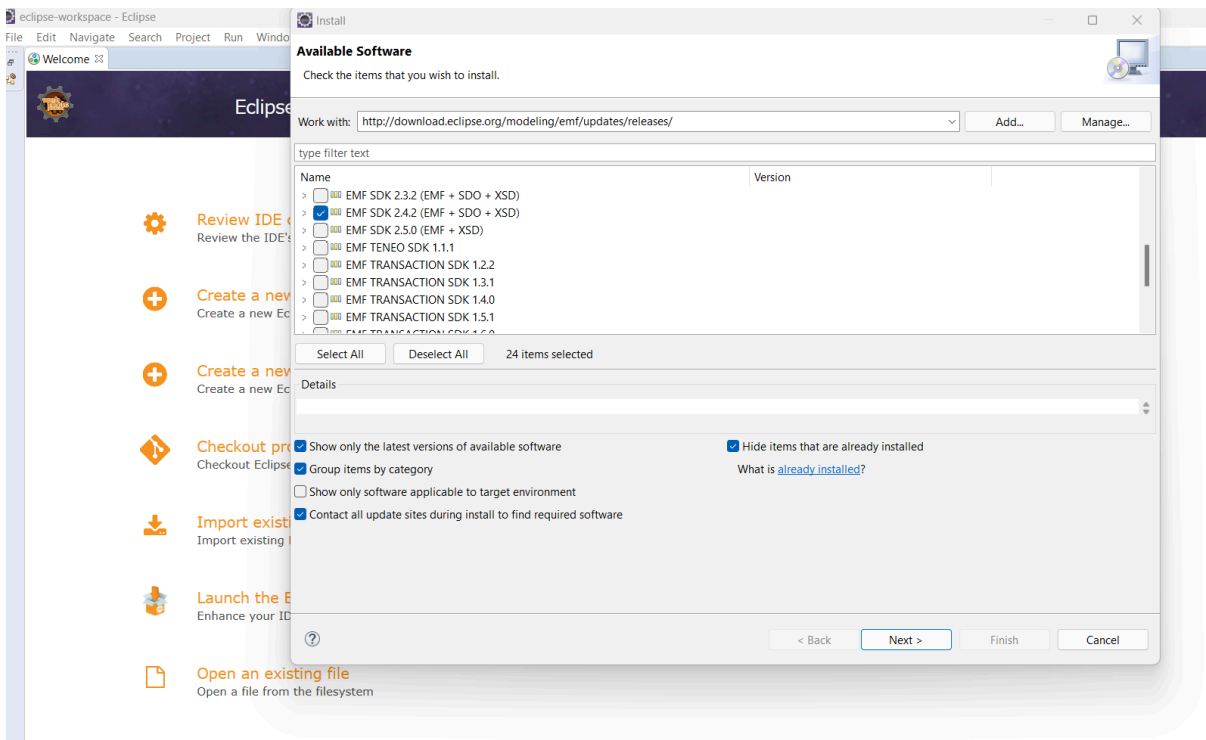


- b. The **Install** window appears.

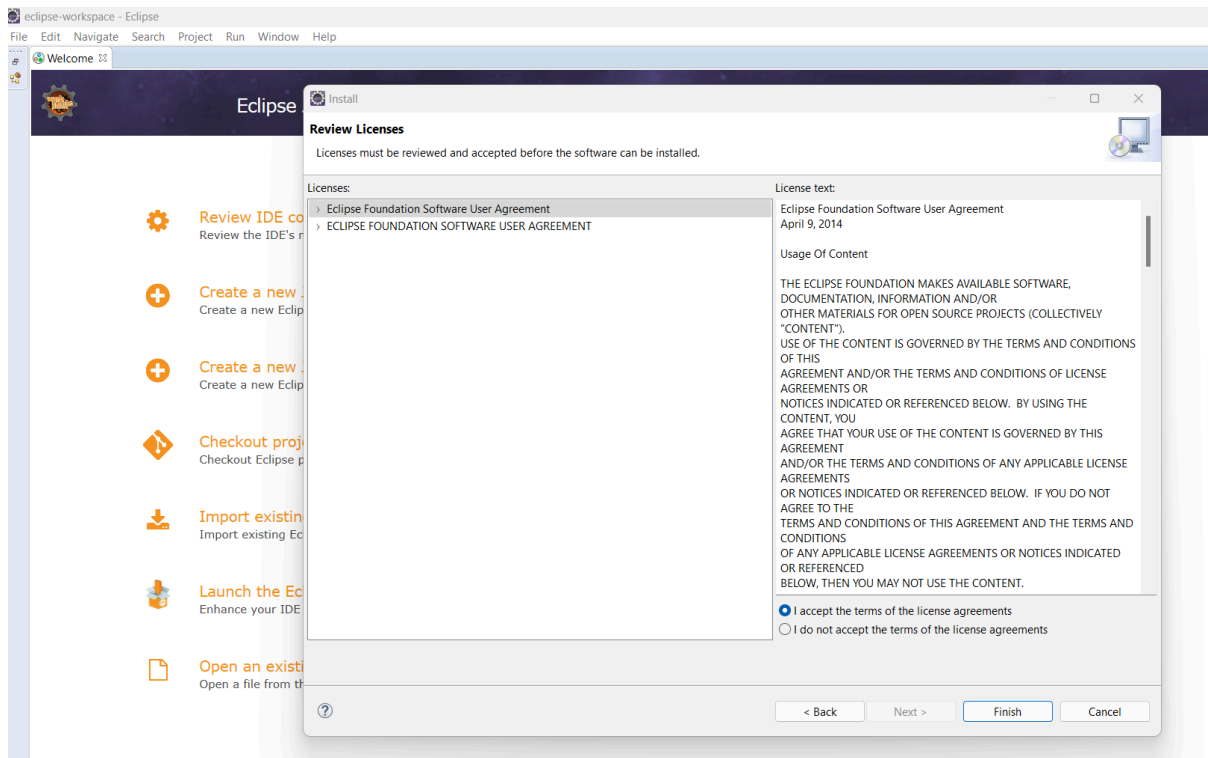
c. Enter the repository url.



d. Select 2.4 plugin.



e. Accept the License agreement and click **Finish**.

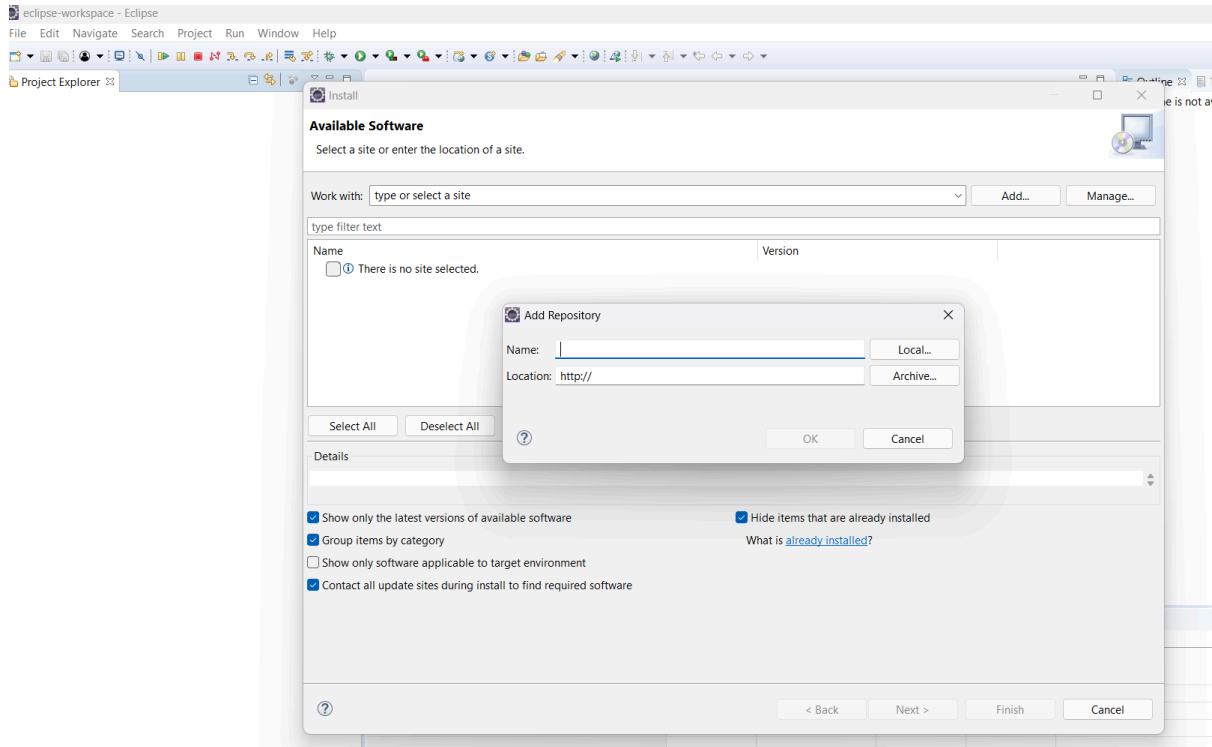


f. Click **Finish**.

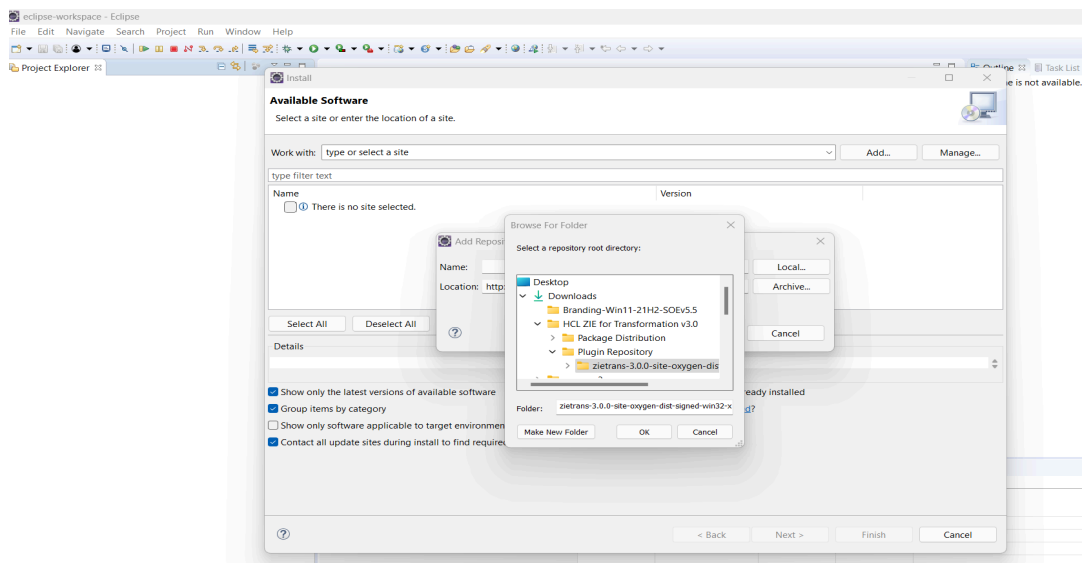
g. **Restart Now** to install the updates.

8. Install the ZIETrans Package Repository as follows:

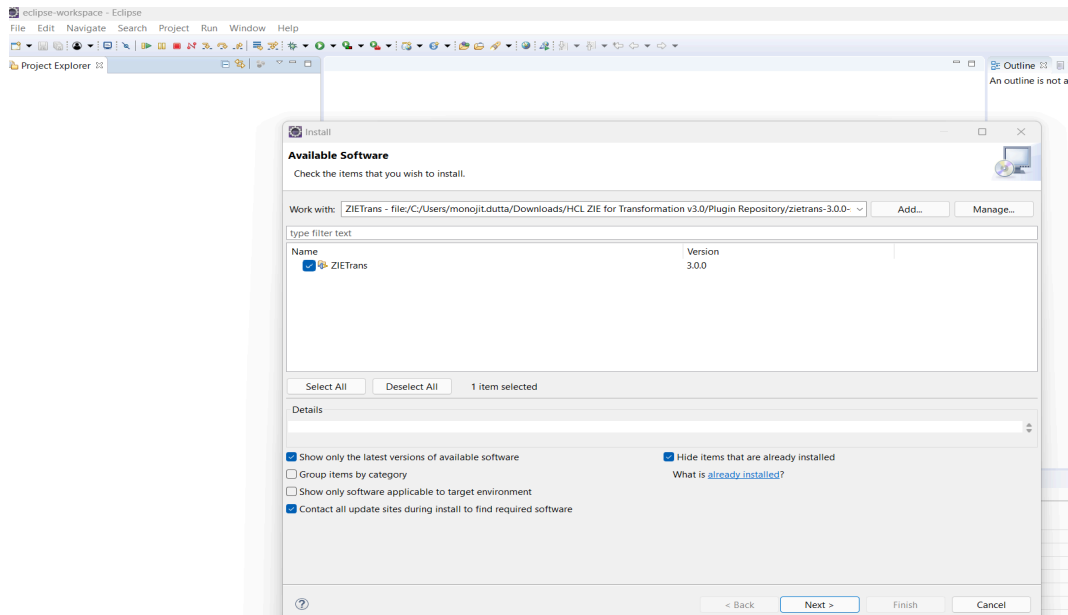
- a. Go to *Help > Install New Software*.
- b. The **Install** window appears.
- c. Click **Add** to add a new repository.
- d. The **Add Repository** window appears.



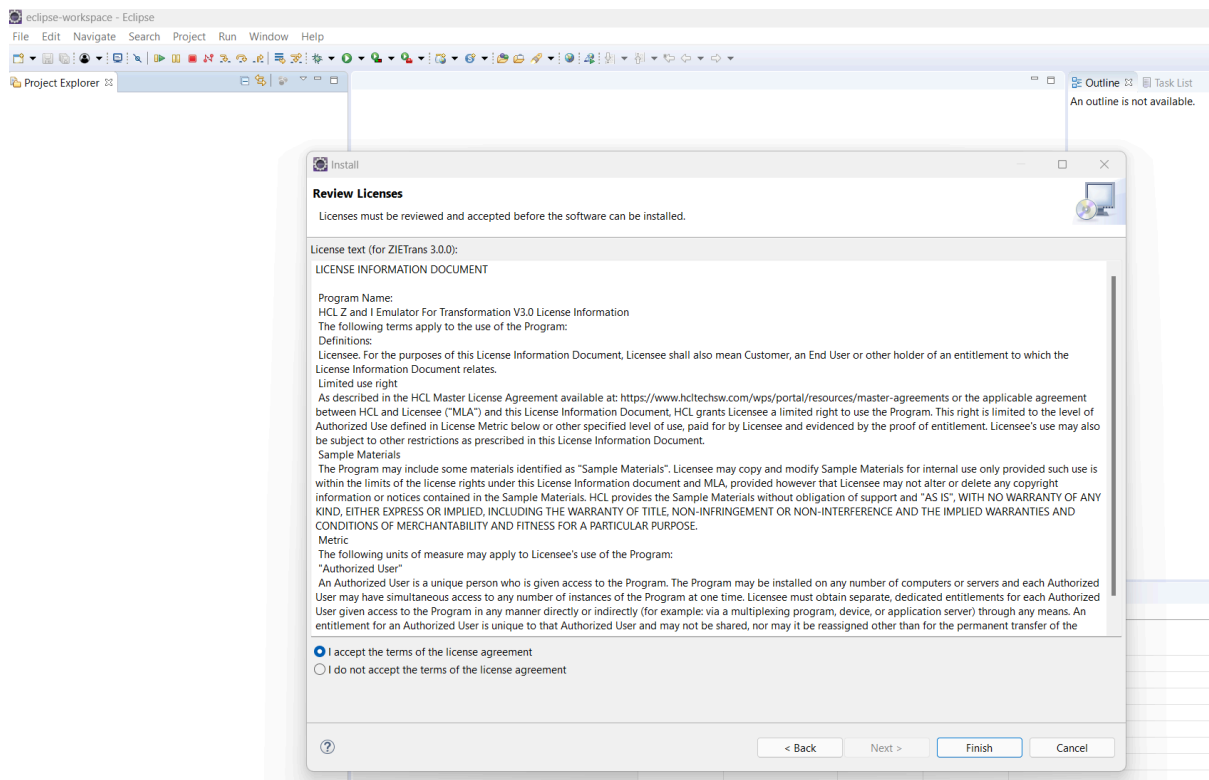
- e. Click **Local** button to add the local repository file.
- f. **Browse for Folder** window appears. Select the ZIETrans Plugin repository.



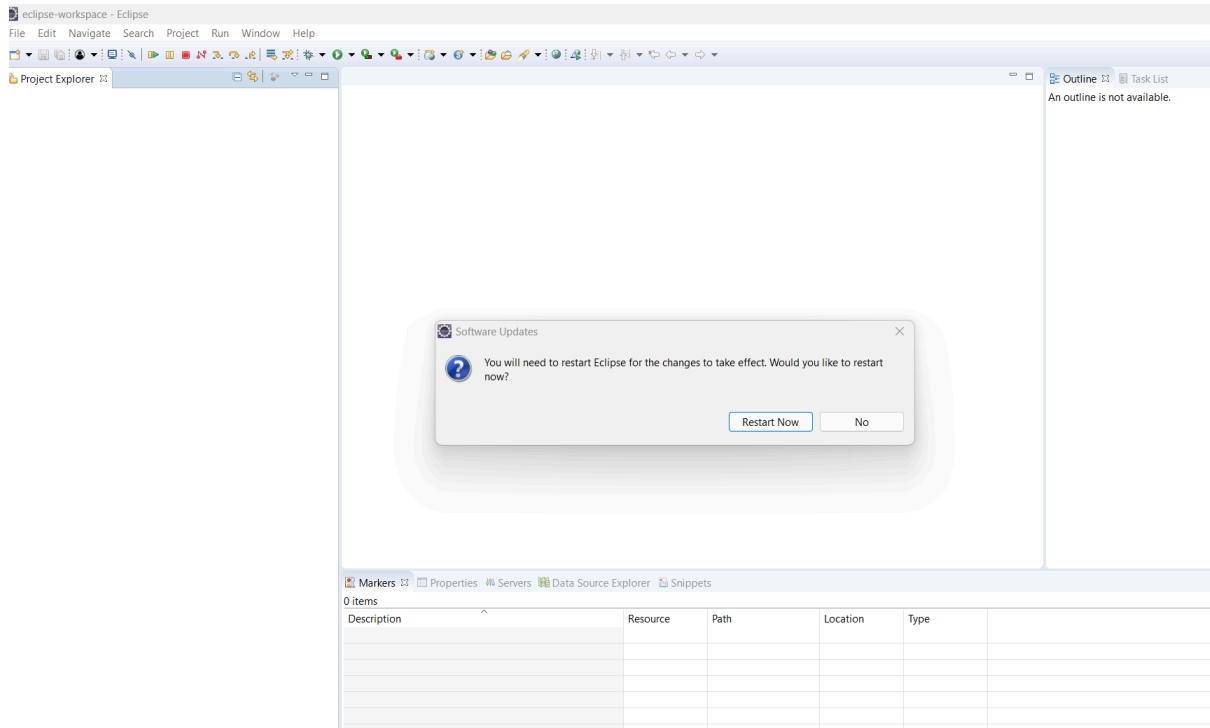
g. Click **OK**.



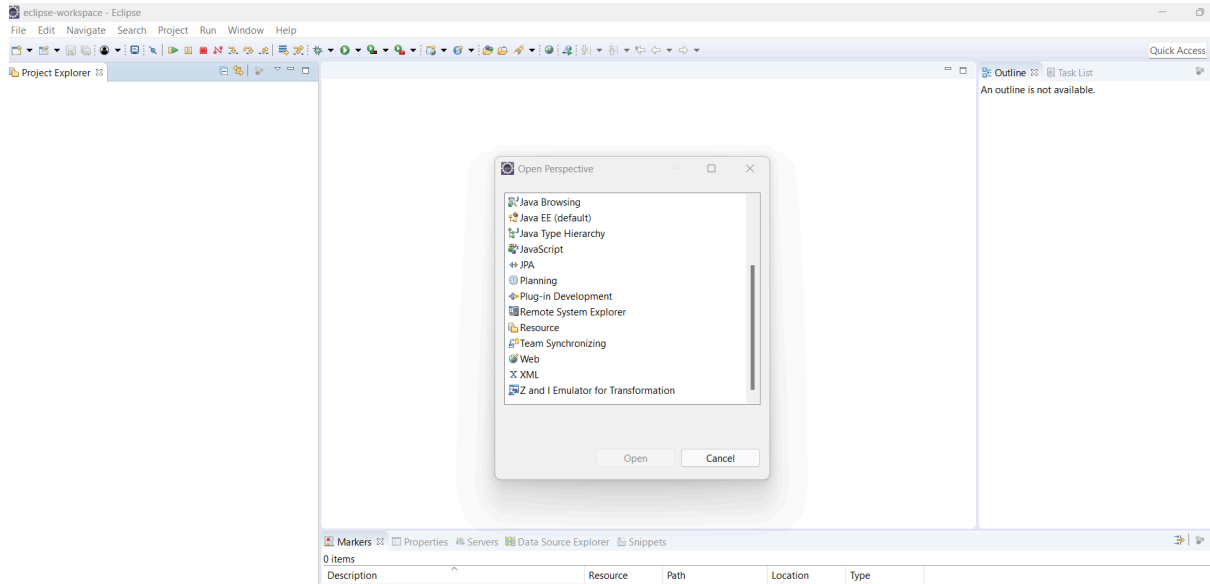
h. Accept the license agreement and click **Finish**.



i. The **Software Updates** window appears. Click **Restart Now** button.



j. Verify the new perspective.

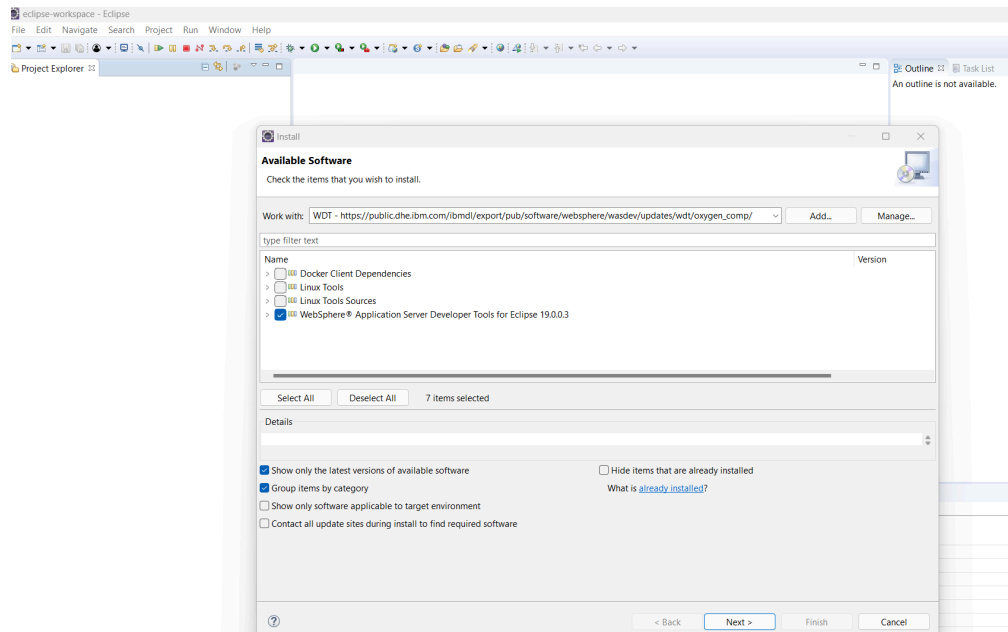


9. Install WDT Plugins for IBM WAS and Liberty as follows:

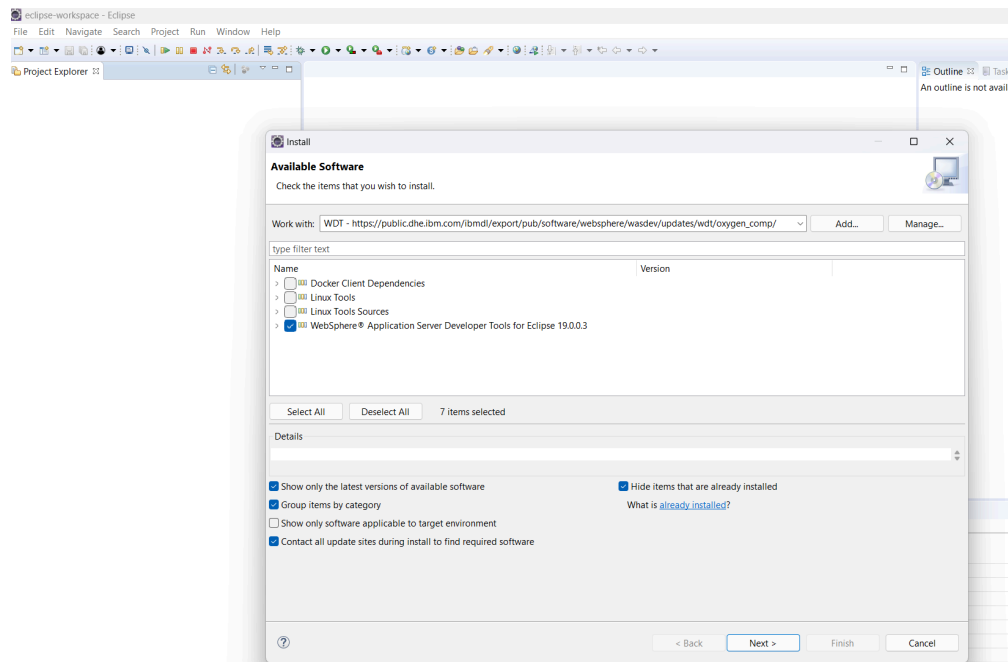
a. Click *Help > Install New Software*.

b. Click the **Add** button to add the new remote repository.

http://public.dhe.ibm.com/ibmdl/export/pub/software/websphere/wasdev/updates/wdt/oxygen_comp/

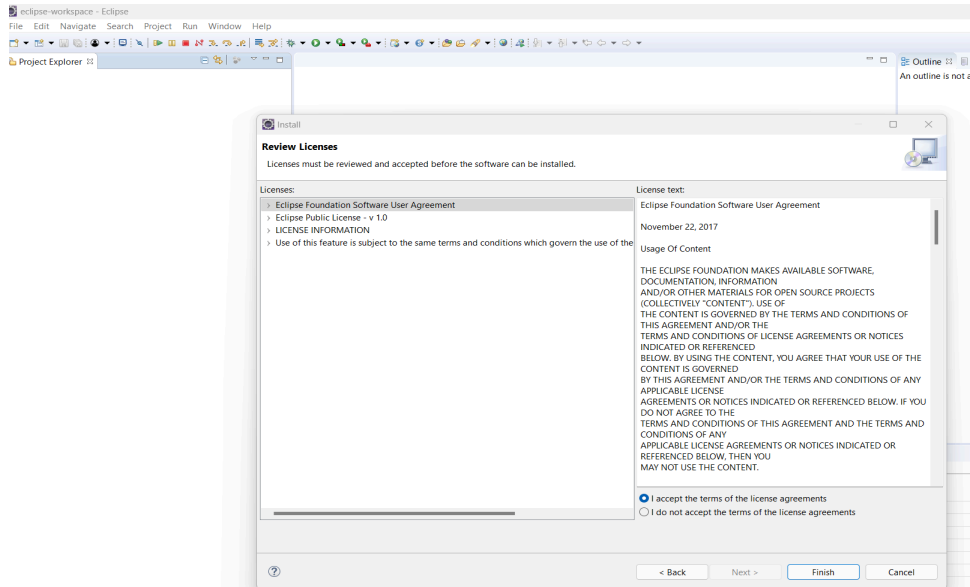


c. Select the **WebSphere Application Server Developer Tools for Eclipse** check box.



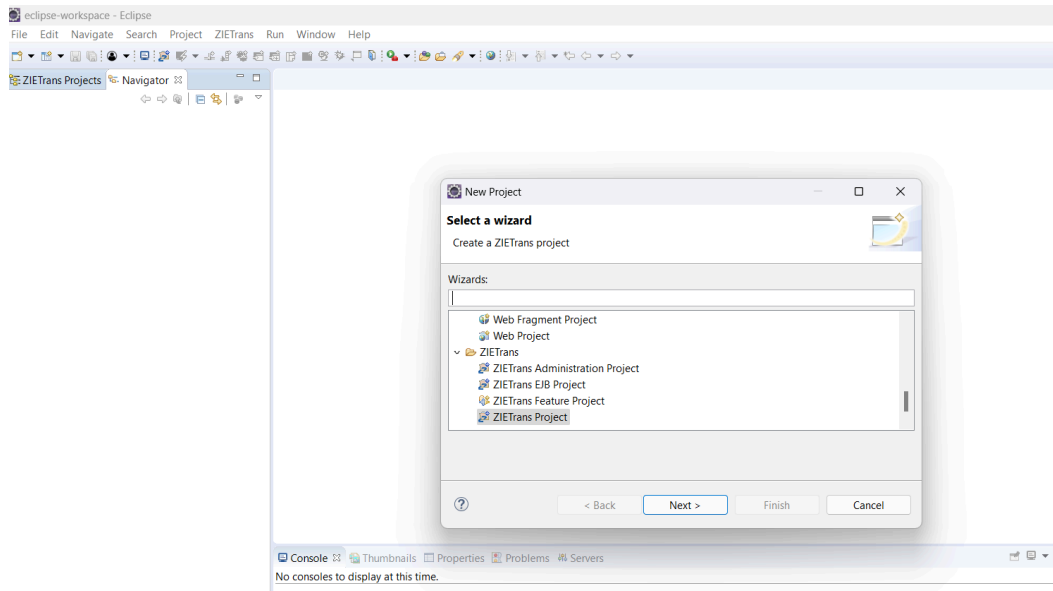
d. Click **Next**.

e. Accept the license agreement and click **Finish**.



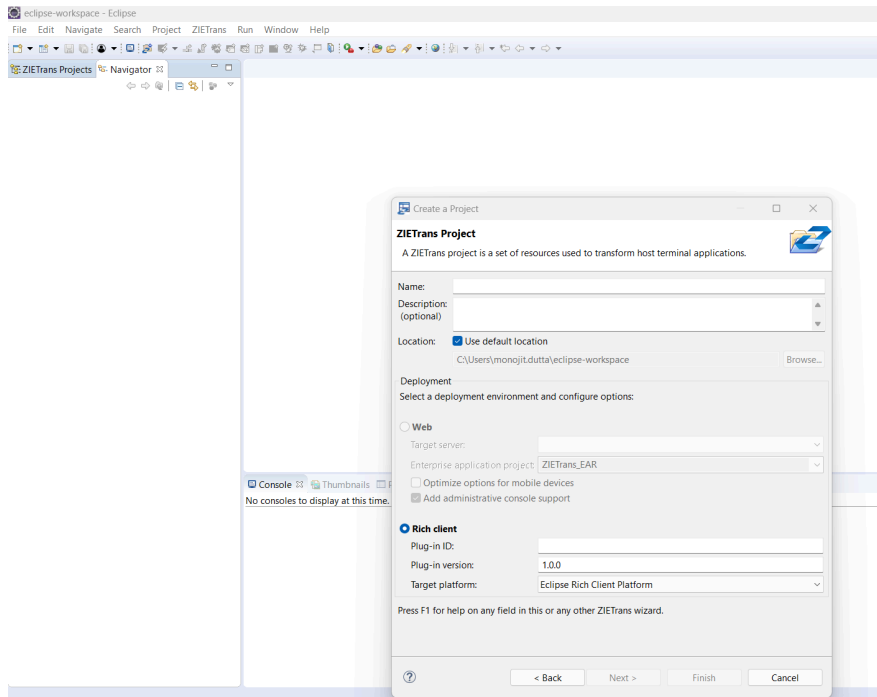
10. Create New Project as follows:

a. Go to *File > New Project*.

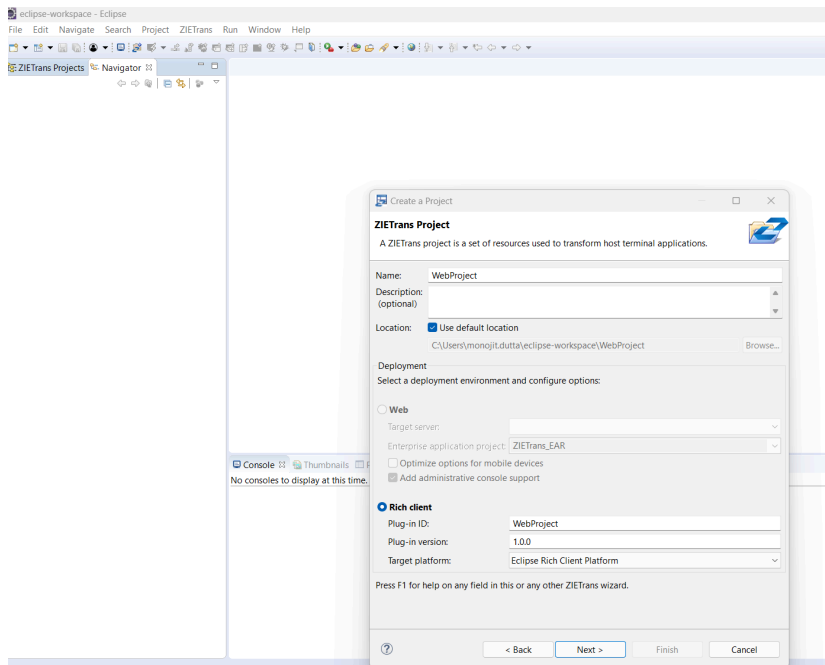


b. Select the **ZIETrans Project**.

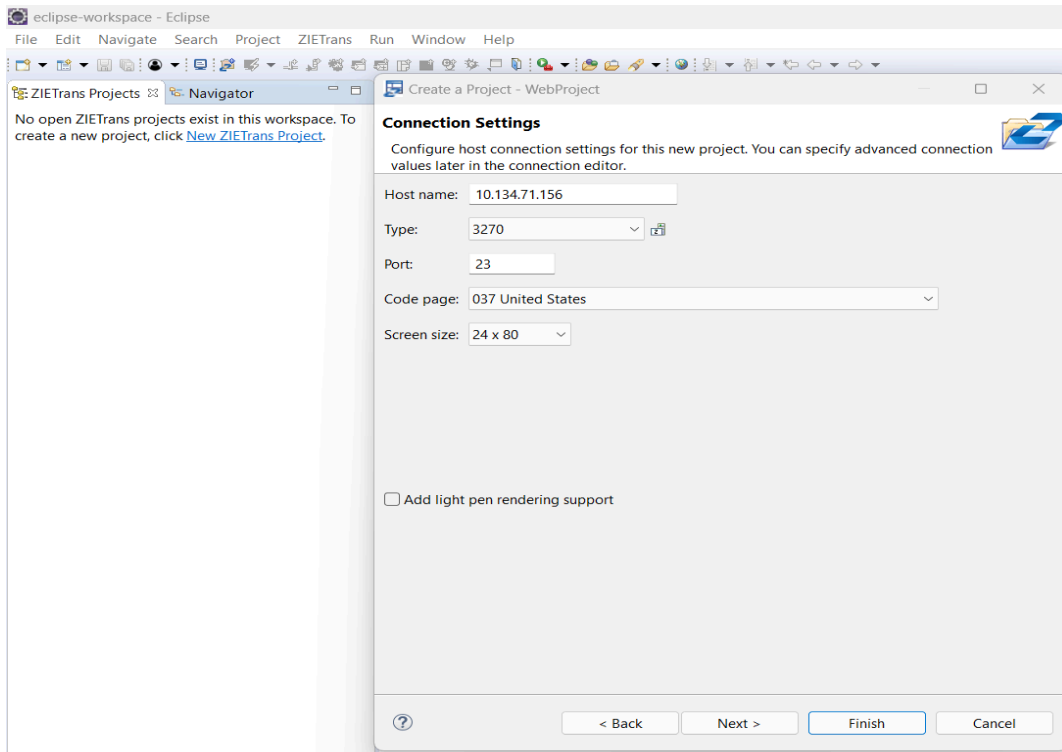
c. **Create a Project** window appears.



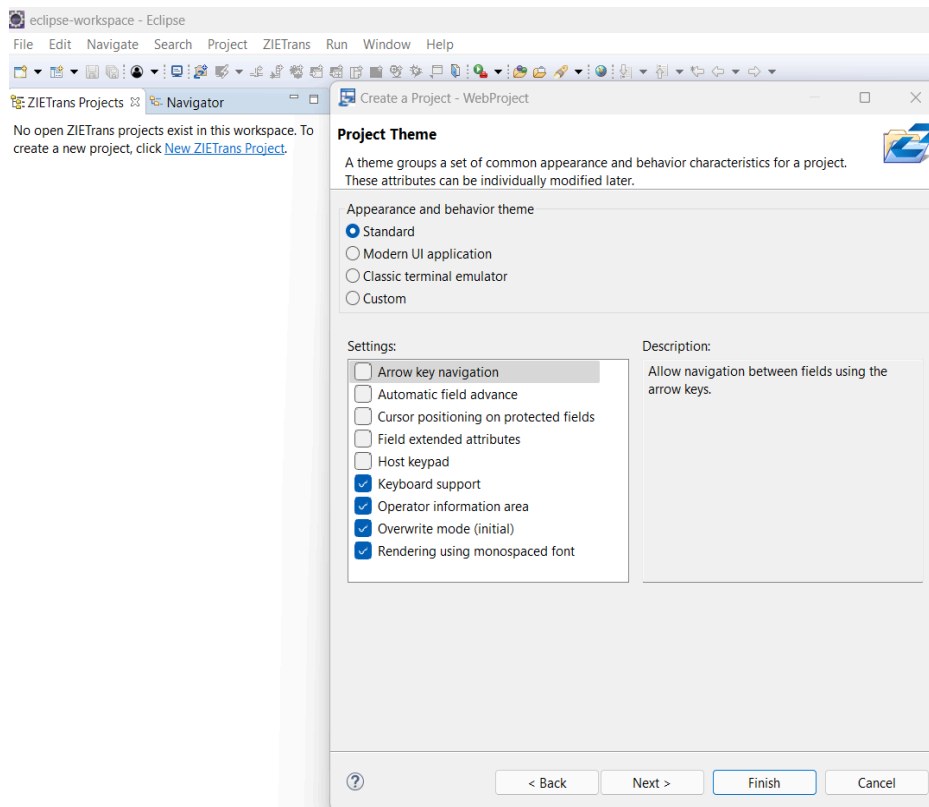
d. Enter the project **Name** and click **Next**.



- e. The **Connection Settings** page appears. Enter the telnet server to be used to access the host application.

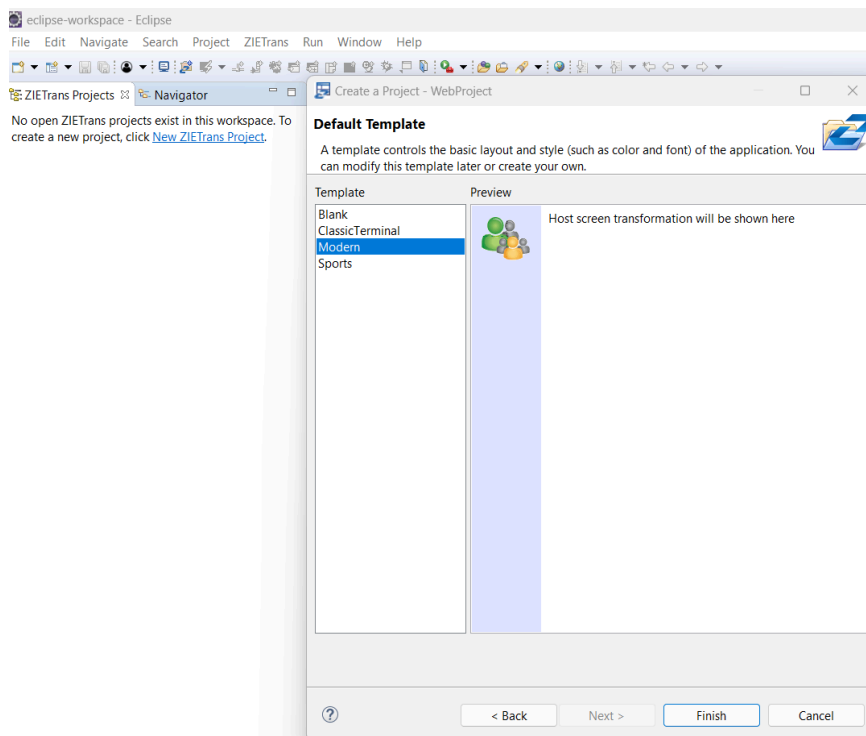


- f. Click **Next**.
- g. On the **Project Theme** page, select the overall appearance and behaviour you want for the application.



h. Click **Next**.

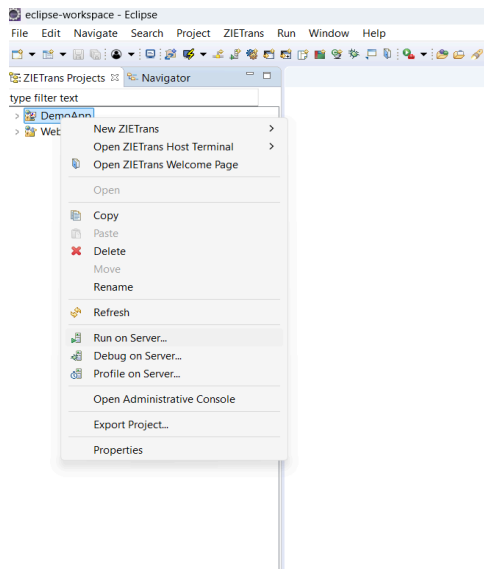
i. On the Default Template page, select one of the templates provided by ZIETrans.



j. Click **Finish**.

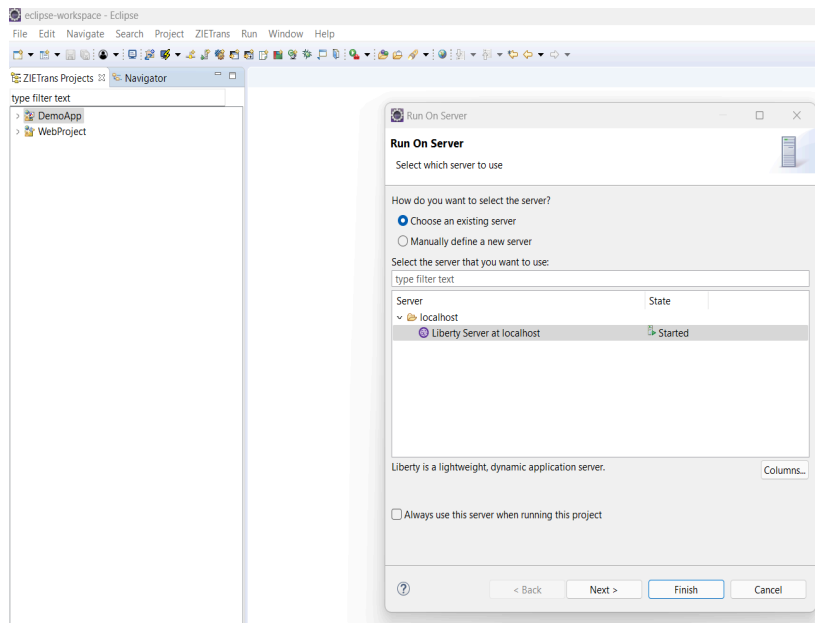
11. Deploy application to server as follows:

a. Right-click on the project.

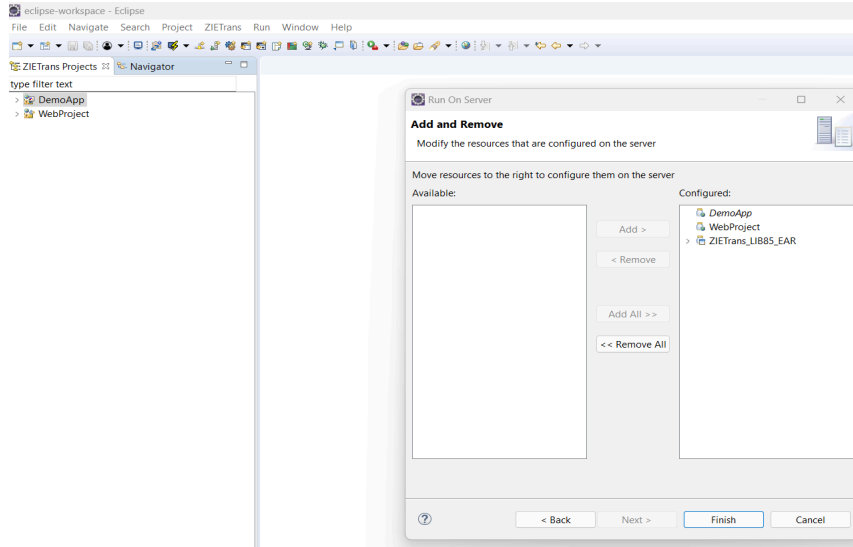


b. Click on the Run on Server.

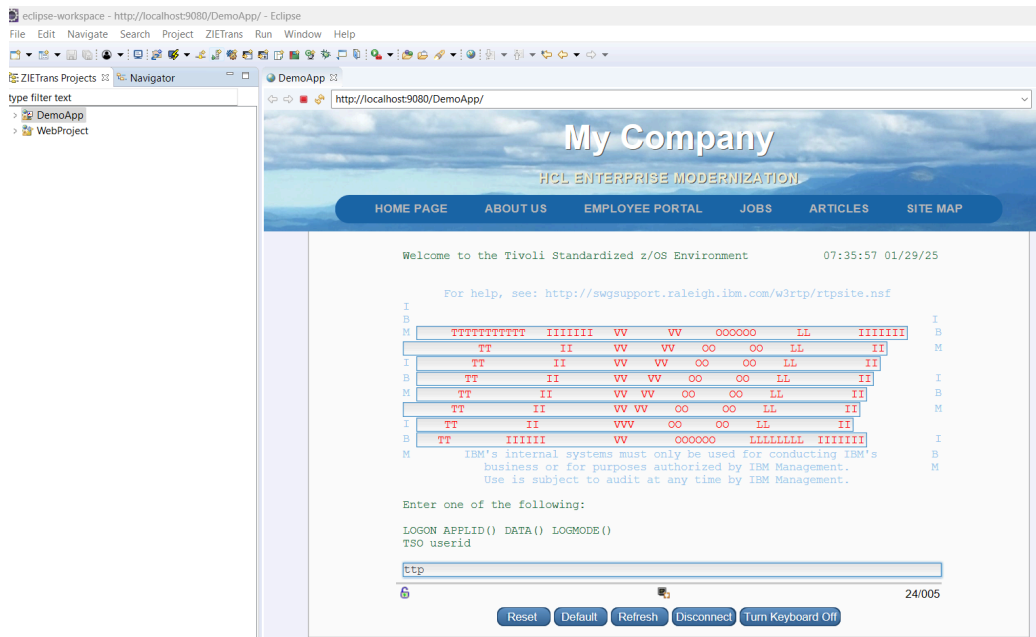
c. The **Run On Server** window appears. Select any available server to deploy the application.



d. Click **Next**.

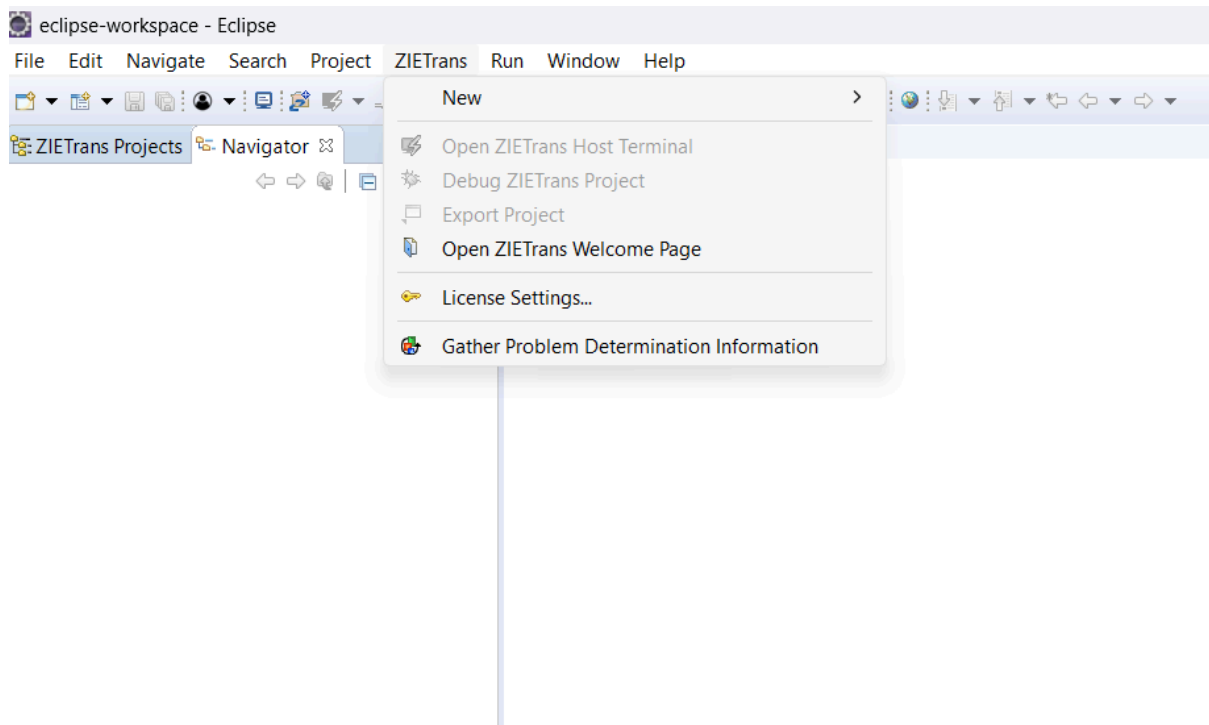


e. Click **Finish**.

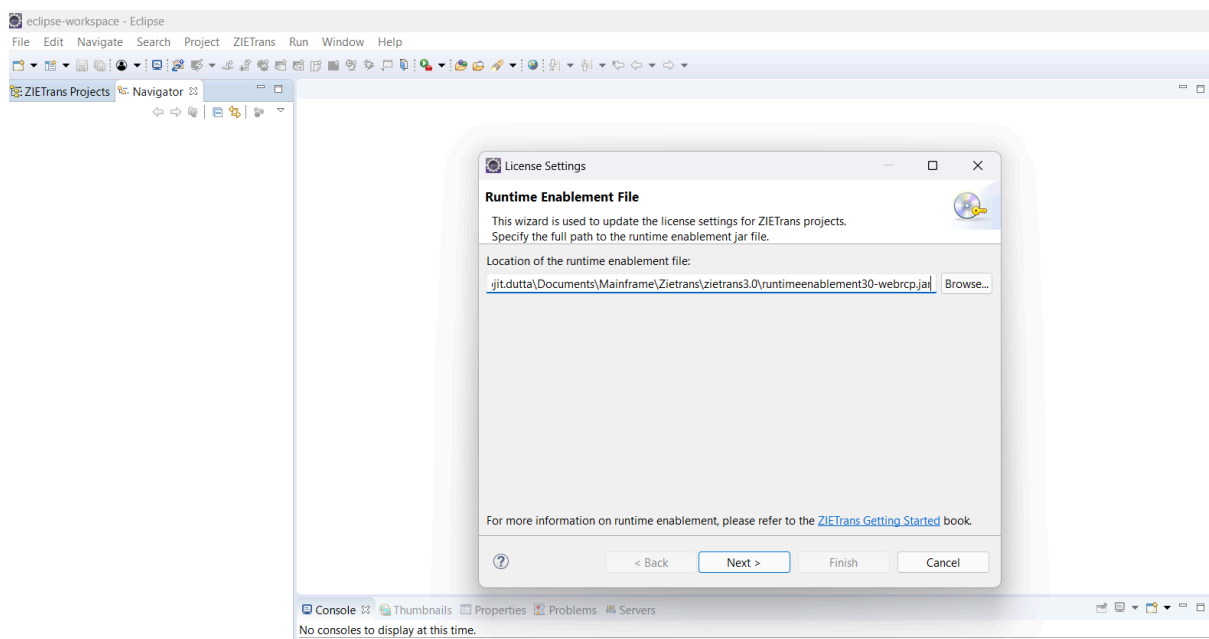


3. Setting up the License

1. Go to *ZIETrans* > *License Settings*.

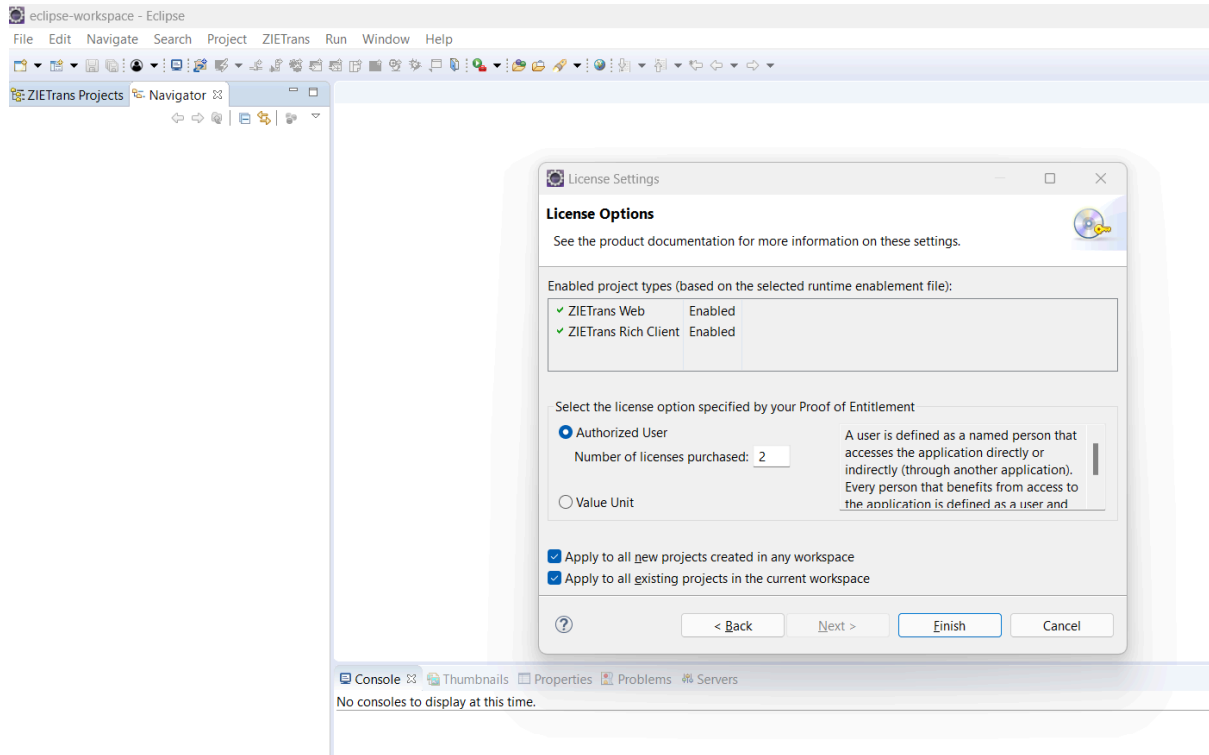


2. The **License Settings** window appears. Enter the runtimeenablement30-webrcp.jar file path.



3. Click **Next**.

4. Select the **Authorized User** and number of users.



5. Click **Finish**.

References

[Introducing Z and I Emulator for Transformation](#)

[Enabling ZIETrans runtime and license settings](#)

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