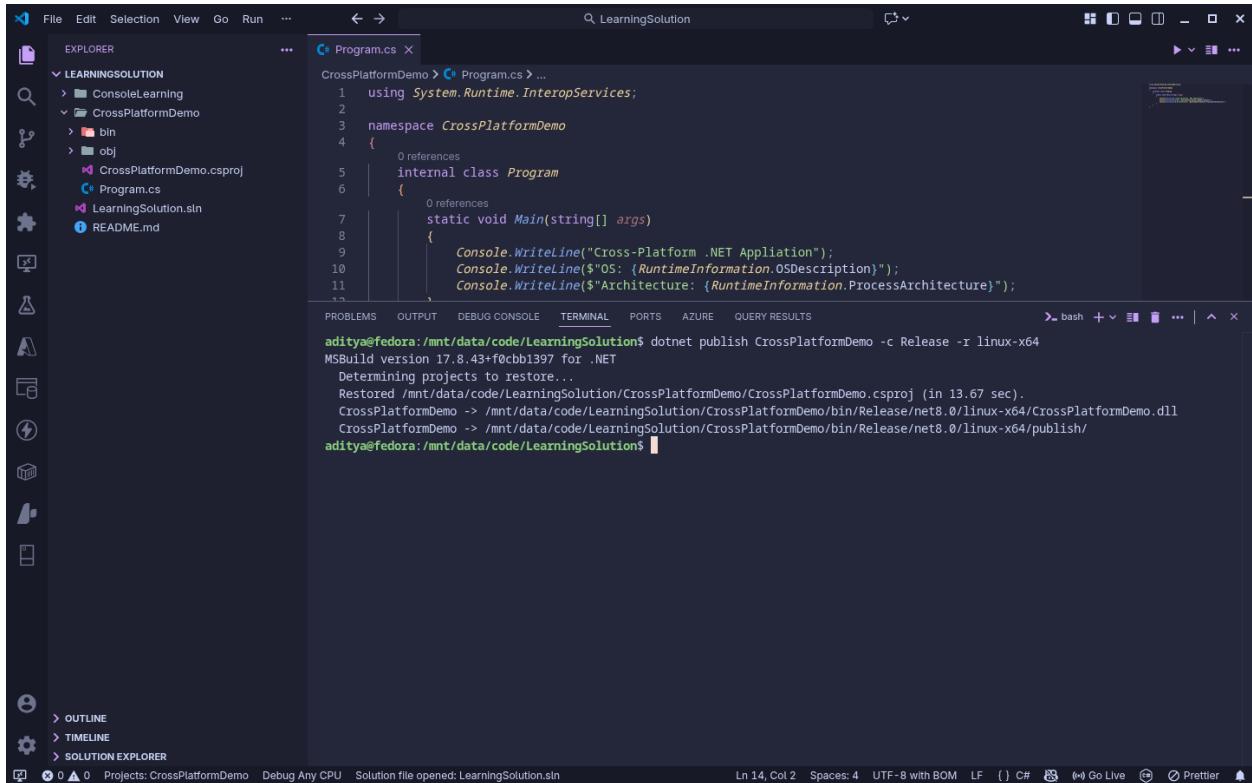


# Steps for publishing .NET application:

## Step 1: Publish

For framework-dependent:

```
dotnet publish CrossPlatformDemo -c Release \
-r linux-x64
```



For self-contained:

```
dotnet publish CrossPlatformDemo -c Release \
-r linux-x64 \
-self-contained true
```

The screenshot shows the Visual Studio Code interface with the terminal tab active. The terminal window displays the command `dotnet publish CrossPlatformDemo -c Release -r linux-x64 --self-contained true` being run. The output shows the process of determining projects to restore, restoring dependencies, and publishing the application to the specified location.

```
aditya@fedora:/mnt/data/code/LearningSolution$ dotnet publish CrossPlatformDemo -c Release -r linux-x64 --self-contained true
MSBuild version 17.8.43+f0ccb1397 for .NET
Determining projects to restore...
Restored /mnt/data/code/LearningSolution/CrossPlatformDemo/CrossPlatformDemo.csproj (in 51.27 sec).
CrossPlatformDemo -> /mnt/data/code/LearningSolution/CrossPlatformDemo/bin/Release/net8.0/linux-x64/CrossPlatformDemo.dll
CrossPlatformDemo -> /mnt/data/code/LearningSolution/CrossPlatformDemo/bin/Release/net8.0/linux-x64/publish/
aditya@fedora:/mnt/data/code/LearningSolution$
```

## Step 2: Output Location

CrossPlatformDemo/bin/Release/net8.0/linux-x64/publish/

The screenshot shows the Visual Studio Code interface with the Explorer tab active. The file tree shows the `bin` directory of the `CrossPlatformDemo` project expanded, revealing the `publish` folder which contains the published files. These files include `createdump`, `CrossPlatformDemo`, `CrossPlatformDemo.deps.json`, `CrossPlatformDemo.dll`, `CrossPlatformDemo.pdb`, `CrossPlatformDemo.runtimeconfig.json`, `libclrgc.so`, and `libcurl.so`.

## Step 3: Run

```
cd CrossPlatformDemo/bin/Release/net8.0/linux-x64/publish  
.CrossPlatformDemo
```

The screenshot shows a terminal window with the following command and output:

```
aditya@fedora:/mnt/data/code/LearningSolution$ cd CrossPlatformDemo/bin/Release/net8.0/linux-x64/publish$ ./CrossPlatformDemo  
Cross-Platform .NET Application  
OS: Fedora Linux 43 (Workstation Edition)  
Architecture: X64  
aditya@fedora:/mnt/data/code/LearningSolution/CrossPlatformDemo/bin/Release/net8.0/linux-x64/publish$
```

The terminal is part of a larger IDE interface, with the code editor showing `Program.cs` and the file explorer showing the project structure.