

# **Creating and Publishing NuGet Packages**

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## 1. Creating and Publishing NuGet Packages

#### What is a NuGet Package?

- NuGet is a package manager for .NET.
- Packages contain compiled code (DLLs), metadata, and dependencies.
- Helps developers reuse libraries across multiple projects.



### Steps to Create a NuGet Package

1. Create a Class Library Project:

```
dotnet new classlib -n MyLibrary
```

2. Edit the .csproj file to add metadata:



#### 3. Build and Pack:

dotnet pack --configuration Release

• Creates a .nupkg file inside the bin/Release folder.



#### **Publishing the Package**

- To NuGet.org:
  - i. Create an account on nuget.org.
  - ii. Generate an API key from your account.
  - iii. Push the package:

```
dotnet nuget push
bin/Release/MyLibrary.1.0.0.nupkg
--api-key <API_KEY>
--source https://api.nuget.org/v3/index.json
```



Q&A