

How to NuGet packages from github

Requirements

Visual Studio or VS Code with .NET capabilities.

A valid **github account** with a generated **personal github token** present.

Influences

Development of apps in .NET Core using ctrlX Data Layer .NET API and ctrlX Data Layer Flatbuffers NuGet packages.

You can discover the [Bosch Rexroth ctrlX SDK on github](#) for available NuGet Packages:

Packages 2

 ctrlX-DataLayer

 ctrlX-DataLayer.Flatbuffers

Use-Cases

Setup the Bosch Rexroth ctrlX SDK github repository as a NuGet package source.

This documentation is based on [Authenticating to GitHub Packages](#).

Edit NuGet package source configuration

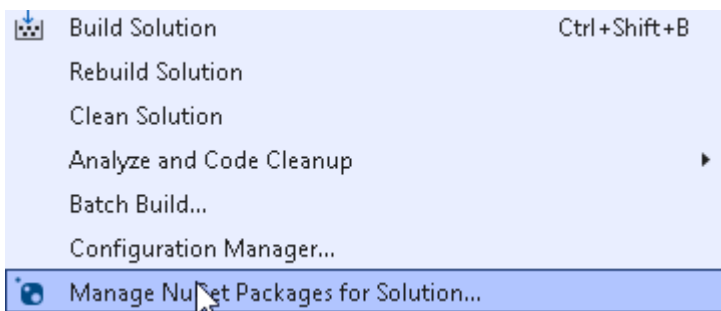
Open file `C:\Users\%USERPROFILE%\AppData\Roaming\NuGet\NuGet.Config`

Add github a package source named **github** (packageSources) and add your credentials for the source (packageSourceCredentials).

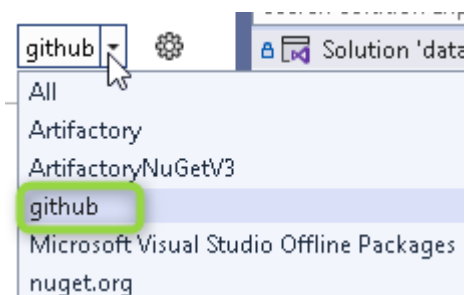
```
<?xml version="1.0" encoding="utf-8"?>
<configuration>
  ...
  <packageSources>
    ...
    <add key="github" value="https://nuget.pkg.github.com/boschrexroth/index.json" />
  </packageSources>
</configuration>
```

```
</packageSources>
...
<packageSourceCredentials>
  <github>
    <add key="Username" value="YOUR GITHUB USER NAME HERE" />
    <add key="ClearTextPassword" value="YOUR GITHUB PERSONAL ACCESS TOKEN HERE" />
  </github>
</packageSourceCredentials>
</configuration>
```

Open your project in Visual Studio and select **Manage NuGet Packages for Solution**:







Select the previously created package source **github**:



Select category "Browse" or "Updates". You should see latest available github NuGet packages published by the **Bosch Rexroth** team:

[Browse](#) Installed Updates Consolidate

Search (Ctrl+L)   Include prerelease

-
-  **ctrlX-DataLayer.Flatbuffers**  by Bosch Rexroth AG, 1 downloads 1.16.0
Flatbuffers for the ctrlX Data Layer API
 -  **ctrlX-DataLayer**  by Bosch Rexroth AG, 1 downloads 2.5.0
The Bosch Rexroth ctrlX Data Layer API for .NET