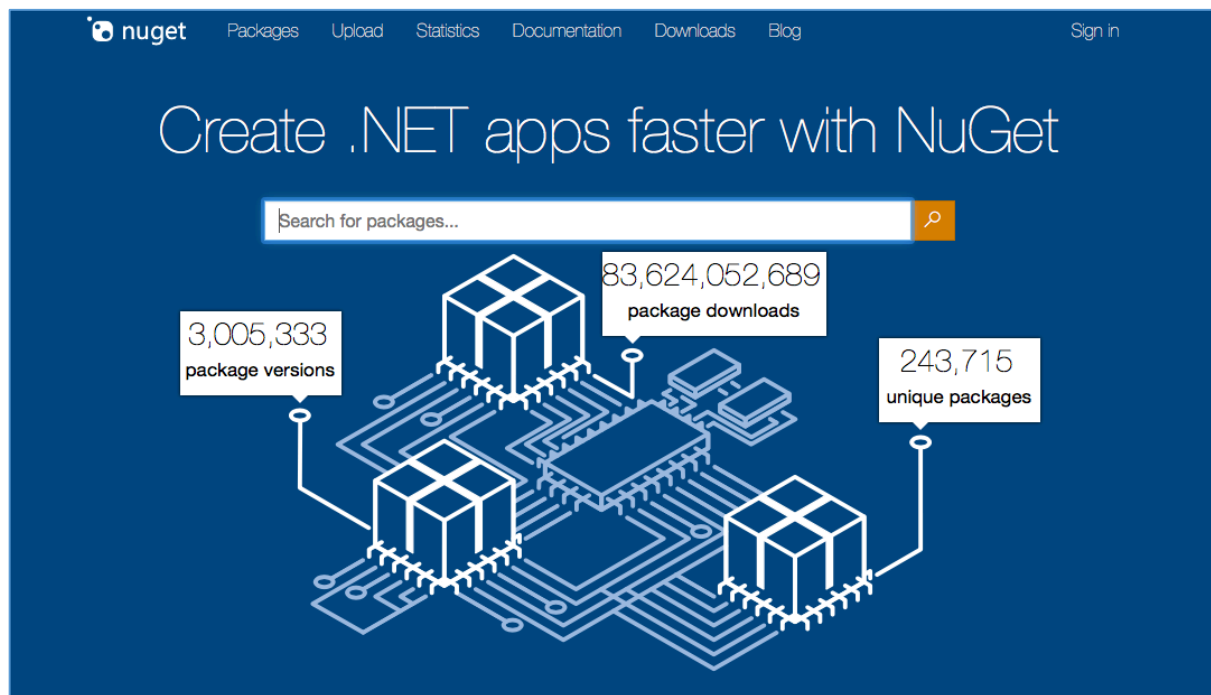# What Is NuGet?

NuGet is the official package manager for .NET
Provides a platform and tools to help developers create, publish and use packages.

Packages are compiled libraries made into nice shareable units.
NuGet's job is to make these packages easy to share and to integrate into existing projects.
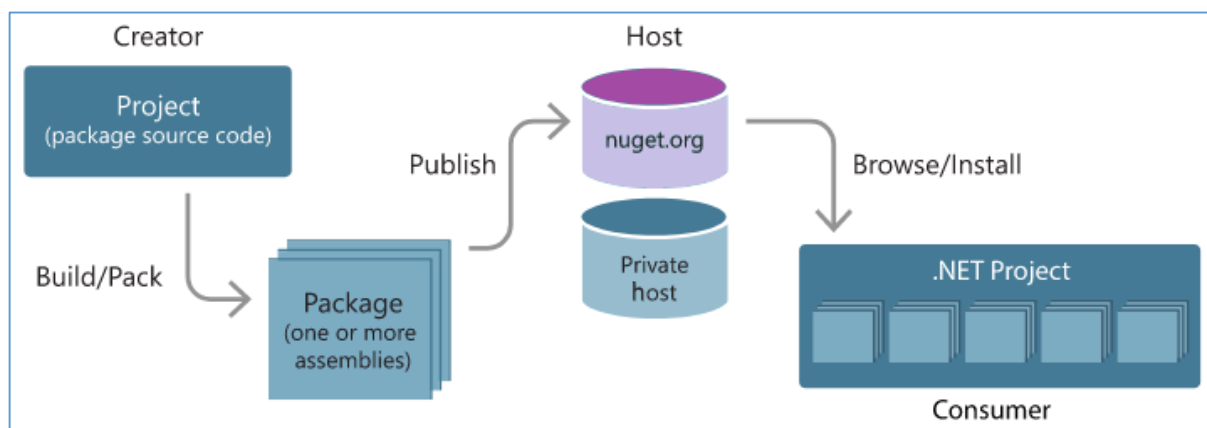

[Taken from www.nuget.org]

NoGet.org is the connection point between package creators and package consumers.
Package creators build useful packages and get them published.
Package consumers search for these, and decide to use them in their projects.

[Taken from https://docs.microsoft.com/en-us/nuget/nuget-org/overview-nuget-org]

There are a range of tools available (depending on the scenario you require).

Tool	Platforms	Applicable Scenarios	Description
dotnet CLI	All	Creation, Consumption	CLI tool for .NET Core and .NET Standard libraries, and for SDK-style projects that target .NET Framework (see SDK attribute). Provides certain NuGet CLI capabilities directly within the .NET Core tool chain. As with the `nuget.exe` CLI, the dotnet CLI does not interact with Visual Studio projects.
nuget.exe CLI	All	Creation, Consumption	CLI tool for .NET Framework libraries and non-SDK-style projects that target .NET Standard libraries. Provides all NuGet capabilities, with some commands applying specifically to package creators, some applying only to consumers, and others applying to both. For example, package creators use the `nuget pack` command to create a package from various assemblies and related files, package consumers use `nuget install` to include packages in a project folder, and everyone uses `nuget config` to set NuGet configuration variables. As a platform-agnostic tool, the NuGet CLI does not interact with Visual Studio projects.
Package Manager Console	Visual Studio on Windows	Consumption	Provides PowerShell commands for installing and managing packages in Visual Studio projects.
Package Manager UI	Visual Studio on Windows	Consumption	Provides an easy-to-use UI for installing and managing packages in Visual Studio projects.
Manage NuGet UI	Visual Studio for Mac	Consumption	Provide an easy-to-use UI for installing and managing packages in Visual Studio for Mac projects.
MSBuild	Windows	Creation, Consumption	Provides the ability to create packages and restore packages used in a project directly through the MSBuild tool chain.

[Taken from https://docs.microsoft.com/en-us/nuget/what-is-nuget]

Visual Studio contains Package Manager tools to make it easier to install and use packages. You can see the packages that are installed (and be alerted when new versions are available).

More information:
- https://docs.microsoft.com/en-us/nuget/what-is-nuget