**NSwag vs Swashbuckle**

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This document is only considering .NET API’s and preparing yaml and swagger UI

**NSWAG:**

<https://github.com/RicoSuter/NSwag>

NSwag is a Swagger/OpenAPI 2.0 and 3.0 toolchain for .NET, .NET Core, Web API, ASP.NET Core. The NSwag project provides tools to generate OpenAPI specifications from existing ASP.NET Web API controllers and client code from these OpenAPI specifications.

The project combines the functionality of Swashbuckle (OpenAPI/Swagger generation) and AutoRest (client generation) in one toolchain (these two libs are not needed). This way a lot of incompatibilites can be avoided and features which are not well described by the OpenAPI specification or JSON Schema are better supported (e.g. inheritance, enum and reference handling).

The NSwag project heavily uses **NJsonSchema** for .NET for JSON Schema handling and C#/TypeScript class/interface generation.

It is open source.

**Swashbuckle:**

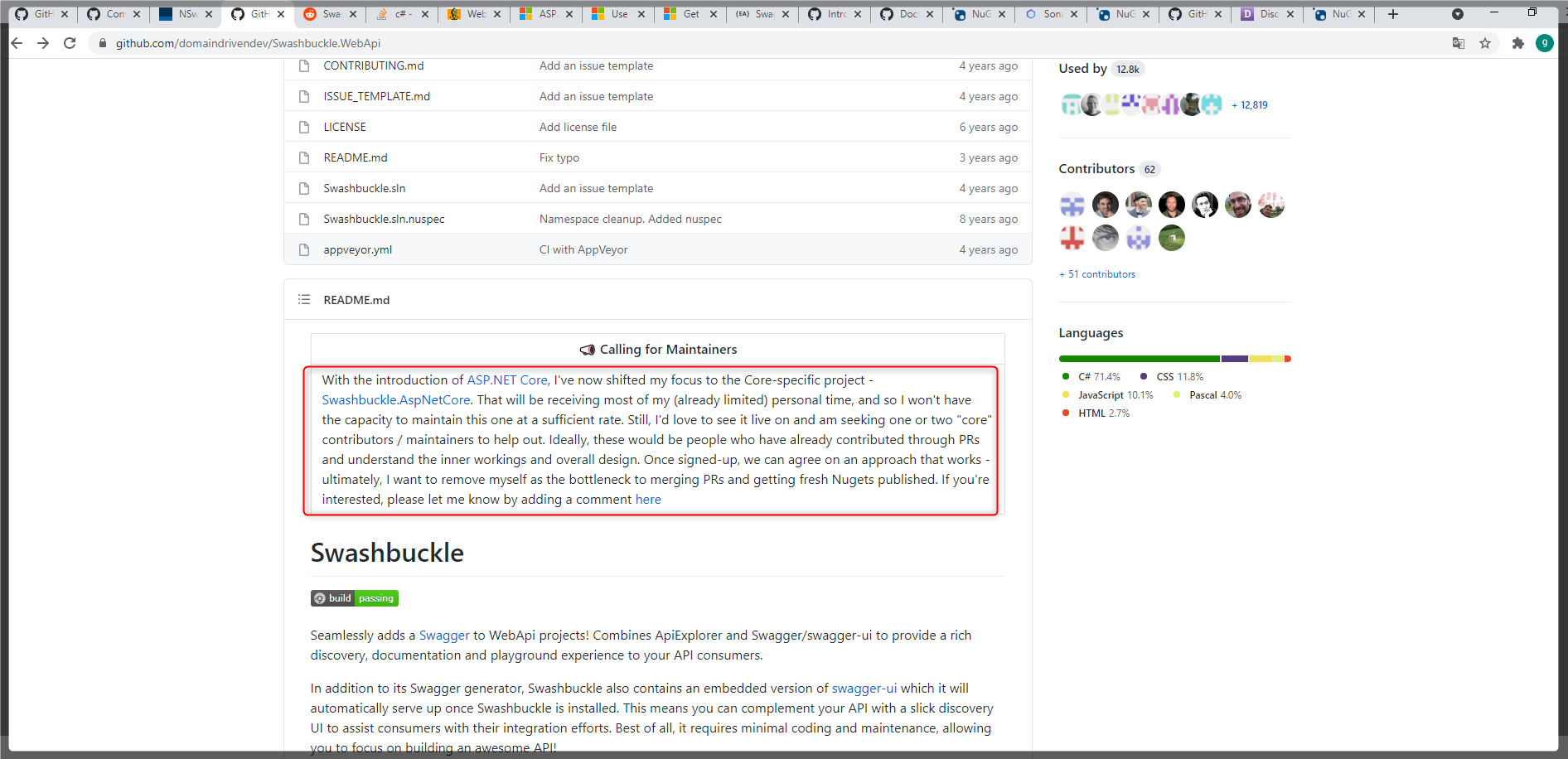
<https://github.com/domaindrivendev/Swashbuckle.WebApi>

Seamlessly adds a [Swagger](http://swagger.io/) to WebApi projects! Combines ApiExplorer and Swagger/swagger-ui to provide a rich discovery, documentation and playground experience to your API consumers.

In addition to its Swagger generator, Swashbuckle also contains an embedded version of [swagger-ui](https://github.com/swagger-api/swagger-ui) which it will automatically serve up once Swashbuckle is installed. This means you can complement your API with a slick discovery UI to assist consumers with their integration efforts. Best of all, it requires minimal coding and maintenance, allowing you to focus on building an awesome API!

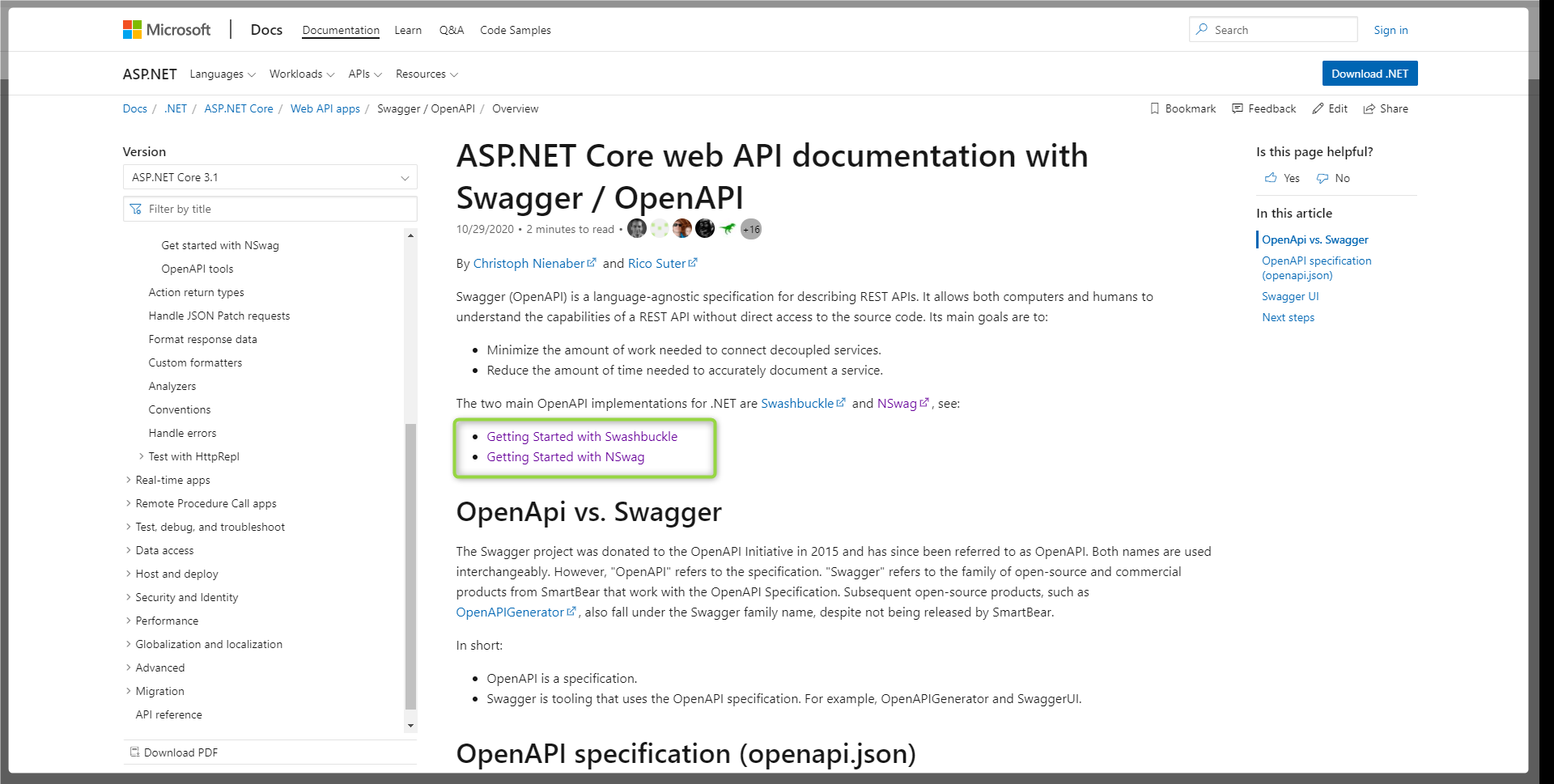
It is also open source.

**Officially said there will be no maintenance in future**

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**Recommends:** Microsoft Recommends both

<https://docs.microsoft.com/en-us/aspnet/core/tutorials/web-api-help-pages-using-swagger?view=aspnetcore-3.1>



**Remarks of Swashbuckle over NSwag.**

**Ref:** [**https://www.codeproject.com/Articles/5259717/WebApiClientGen-vs-Swashbuckle-plus-NSwag**](https://www.codeproject.com/Articles/5259717/WebApiClientGen-vs-Swashbuckle-plus-NSwag) **published on** 8 May 2020

* Swashbuckle translates server side struct System.Drawing.Point to client-side class Point.
* Open API and NSwag supports inheritance, however Swashbuckle's support for inheritance is poor, as of Swashbuckle.AspNetCore 5.0.
* Open API and NSwag provide limited supports for enum, however, Swashbuckle supports even less.
* NSwag does support namespace and enum, however, not working well with the Swagger definition file generated by Swashbuckle.AspNet Core 5.0.

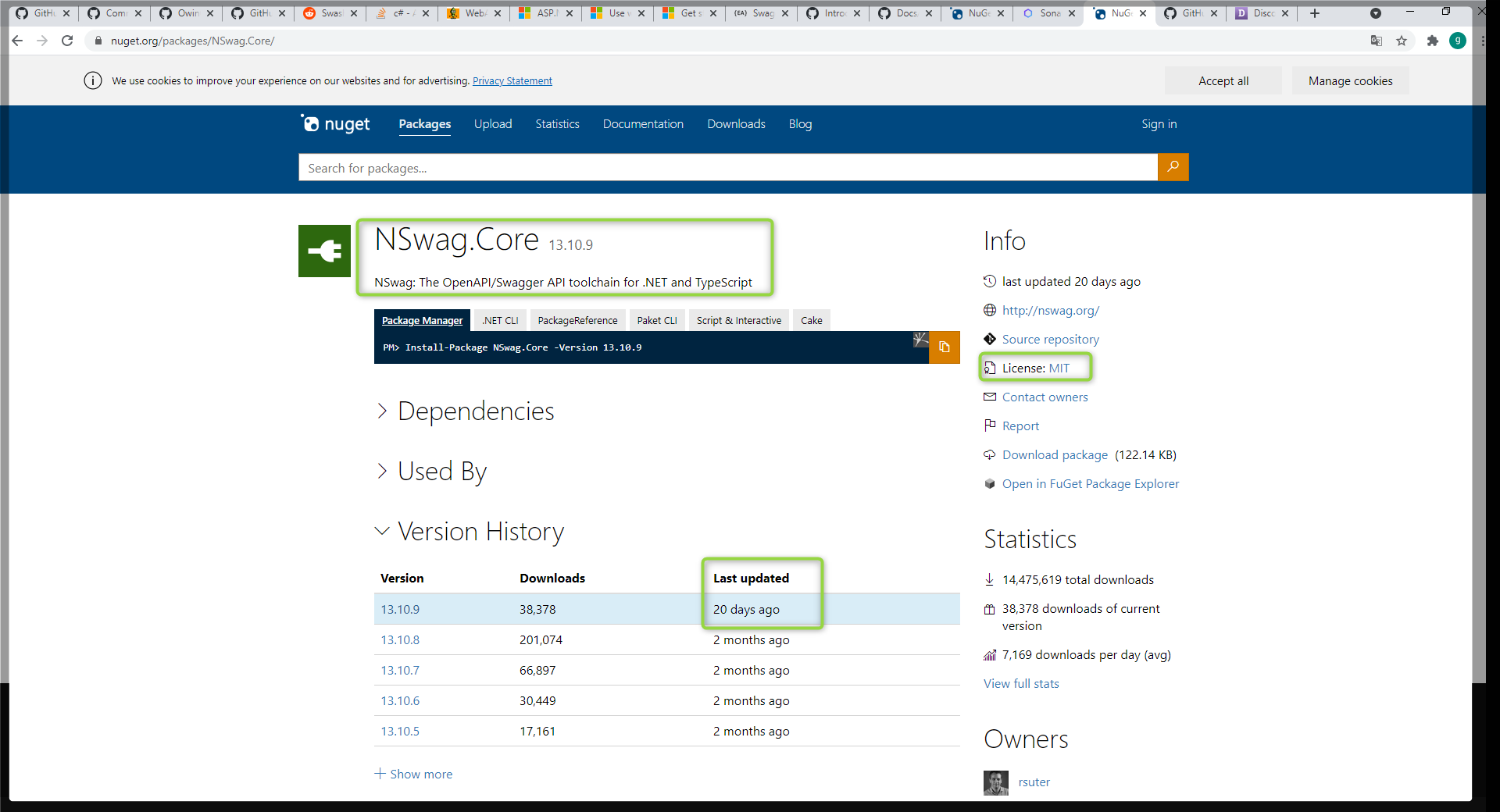
**NOTE:** My understanding NSwag is good when we are generating Typescript code in client side using .NET libraries.

**Licenses:**

1. Swashbuckle has BSD-3-Clause license.
2. NSwag has MIT license.

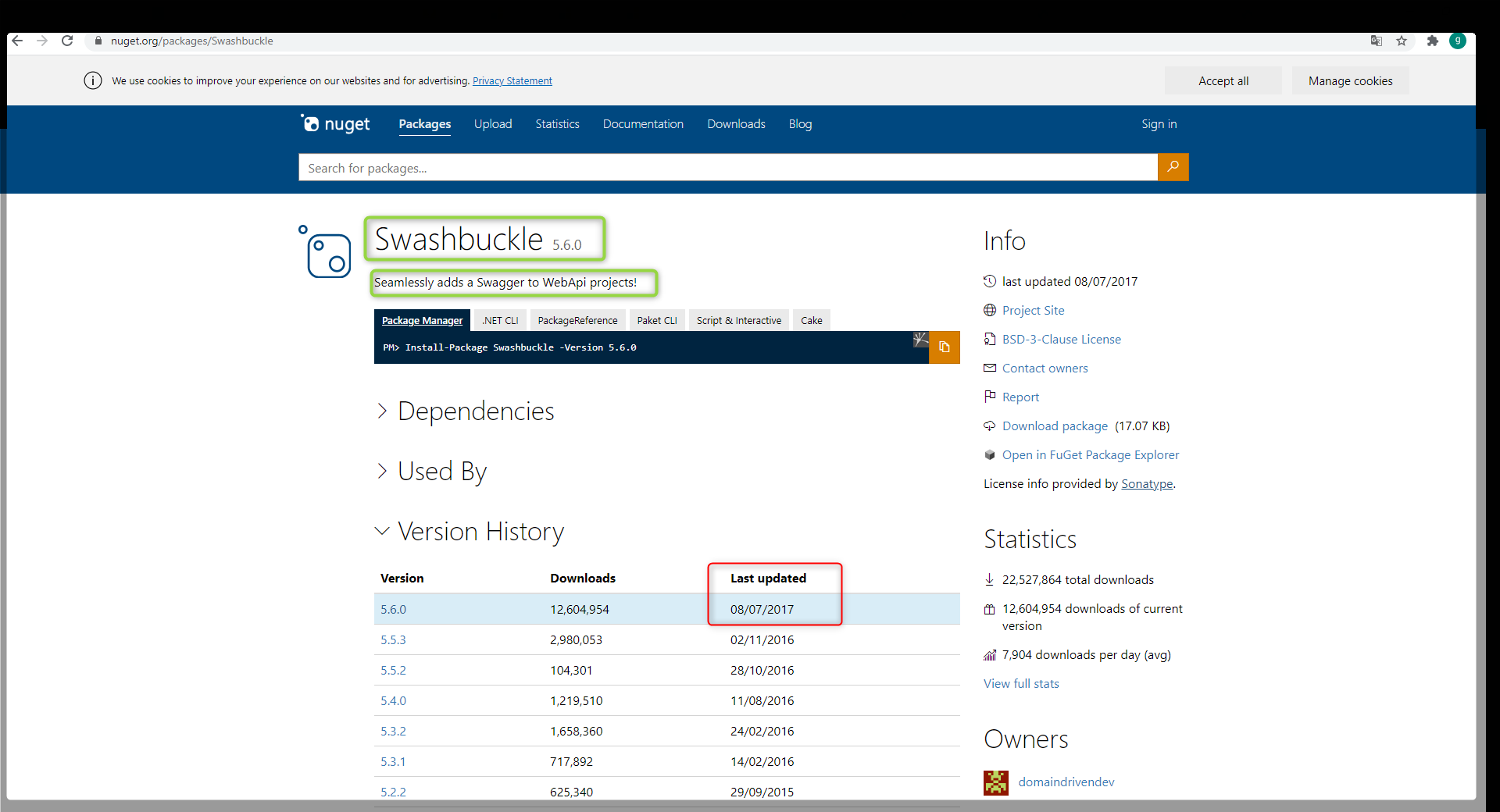
[**https://www.nuget.org/packages/NSwag.Core/**](https://www.nuget.org/packages/NSwag.Core/)

Nswag has very frequent updates

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[**https://www.nuget.org/packages/Swashbuckle**](https://www.nuget.org/packages/Swashbuckle)

No Updates since few years especially on .net Swashbuckle

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