# Awesome List of Top ASP.NET Core-Based Open-Source Application Projects

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Open-source projects are great for getting started and serve as a good source for architecture reference. There are several open-source [ASP.NET Core](https://en.wikipedia.org/wiki/ASP.NET_Core) projects available in GitHub. These projects will help you learn ASP.NET Core technology in-depth, with different types of architecture and coding patterns. Some of the top real-time applications or sample architecture reference projects across different categories are listed in this article.

What are you waiting for? Check out these projects and get started!

## nopCommerce

nopCommerce is a popular open-source e-commerce shopping cart application. It is stable and supports several customizations to suit your needs. There are several plugins available to enhance it.

**Domain**: E-commerce

**Type**: Real-time application

**License**: GPLv3 license plus the “powered by nopCommerce” text requirement on each page

**GitHub**: <https://github.com/nopSolutions/nopCommerce>

**Stars:**5.2k

## OrchardCore

OrchardCore is an open-source content management system (CMS) framework supporting modularity and multitenancy.

**Domain**: CMS

**Type**: Real-time application

**License**: BSD 3-Clause

**GitHub**: <https://github.com/OrchardCMS/OrchardCore>

**Stars**: 4.3k

## SimplCommerce

SimplCommerce is a modular, microservice-based e-commerce application, built using ASP.NET Core.

**Domain**: E-commerce

**Type**: Real-time application

**License**: Apache 2.0

**GitHub**: <https://github.com/simplcommerce/SimplCommerce>

**Stars**: 2.8k

## squidex

squidex is a headless CMS and content management hub, built using ASP.NET Core with OData and CQRS patterns.

**Domain**: CMS

**Type**: Real-time application

**License**: MIT

**GitHub**: <https://github.com/Squidex/squidex>

**Stars**: 1.2k

## Miniblog.Core

Miniblog.Core is a blog engine based on ASP.NET Core.

**Domain**: Blog engine

**Type**: Real-time application

**License**: Apache 2.0

**GitHub**: <https://github.com/madskristensen/Miniblog.Core>

**Stars**: 985

## piranha.core

piranha.core is a CMS application based on ASP.NET Core.

**Domain**: CMS

**Type**: Real-time application

**License**: MIT

**GitHub**: <https://github.com/piranhacms/piranha.core>

**Stars:** 1k

## Blogifier

Blogifier is a lightweight blog engine written in ASP.NET Core.

**Domain**: Blog engine

**Type**: Real-time application

**License**: MIT

**GitHub**: <https://github.com/blogifierdotnet/Blogifier>

**Stars**: 675

## eShopOnContainers

eShopOnContainers is a sample reference application demonstrating various architecture patterns of container-based microservices by Microsoft.

**Architecture**: Container-based microservices

**Type**: Reference application

**License**: MIT

**Github**: <https://github.com/dotnet-architecture/eShopOnContainers>

**Stars**: 15.1k

## eShopOnWeb

eShopOnWeb is a sample reference application demonstrating monolithic architecture powered by Microsoft.

**Architecture**: Monolithic

**Type**: Reference application

**License**: MIT

**GitHub**: <https://github.com/dotnet-architecture/eShopOnWeb>

**Stars**: 4.9k

## practical-aspnetcore

practical-aspnetcore is a practical sample for ASP.NET Core.

**Type**: Samples

**License**: MIT

**GitHub**: <https://github.com/dodyg/practical-aspnetcore>

**Stars**: 5.1k

## NorthwindTraders

NorthwindTraders is a sample reference application for domain-driven architecture using Entity Framework and CQRS pattern.

**Architecture**: Clean architecture, DDD, CQRS

**Type**: Sample reference application

**License**: MIT

**Github**: <https://github.com/JasonGT/NorthwindTraders>

**Stars**: 4k

## ReactiveTraderCloud

ReactiveTraderCloud is a real-time trading application demonstrating reactive programming principles.

**Architecture**: Reactive programming

**Type**: Sample reference application

**License**: Apache 2.0

**Github**: <https://github.com/AdaptiveConsulting/ReactiveTraderCloud>

**Stars**: 1.4k

## coolstore-microservices

coolstore-microservices is a sample application demonstrating the use of Kubernetes using a service mesh.

**Architecture:**Kubernetes-based microservice using service mesh

**Type**: Sample reference application

**License:**MIT

**Github:**<https://github.com/vietnam-devs/coolstore-microservices>

**Stars**: 1.5k

## cloudscribe

cloudscribe is a foundation framework for building a multitenant application.

**Architecture**: Multitenant framework

**Type**: Sample reference application

**License**: Apache 2.0

**Github**: <https://github.com/cloudscribe/cloudscribe>

**Stars**: 925

## clean-architecture-manga

clean-architecture-manga is a clean architecture sample application.

**Architecture**: Clean architecture

**Type**: Sample reference application

**License**: Apache

**GitHub**: <https://github.com/ivanpaulovich/clean-architecture-manga>

**Stars**: 2.2k

## StarWars

StarWars is a GraphQL-based ASP.NET Core Star Wars application.

**Architecture**: GraphQL

**Type**: Sample reference application

**License**: MIT

**GitHub**: <https://github.com/JacekKosciesza/StarWars>

**Stars:** 527

## sample-dotnet-core-cqrs-api

sample-dotnet-core-cqrs-api is a sample project demonstrating the use of Rest API clean architecture with the CQRS pattern.

**Architecture**: Clean architecture, DDD, CQRS

**Type**: Sample reference application

**License**: Not specified

**GitHub**: <https://github.com/kgrzybek/sample-dotnet-core-cqrs-api>

**Stars**: 916

## Pos

Pos is a sample project demonstrating the use of microservices.

**Architecture**: Microservices, DDD, CQRS

**Type**: Sample reference application

**License**: Not specified

**GitHub**: <https://github.com/NHadi/Pos>

**Stars**: 187

## Conclusion

Apart from these applications, you can check out some more awesome .NET Core libraries, tools, and frameworks on [this GitHub page](https://github.com/thangchung/awesome-dotnet-core).

Syncfusion provides 70+ high-performance, lightweight, modular, and responsive [ASP.NET Core UI controls](https://www.syncfusion.com/aspnet-core-ui-controls) such as [DataGrid](https://www.syncfusion.com/aspnet-core-ui-controls/grid), [Charts](https://www.syncfusion.com/aspnet-core-ui-controls/charts), and [Scheduler](https://www.syncfusion.com/aspnet-core-ui-controls/scheduler). You can use these controls in your application development.

If you have any questions, please let us know in the comments section. You can also contact us through our [Support Forum](https://www.syncfusion.com/forums), [Direct-Trac](https://www.syncfusion.com/support/directtrac/incidents), or [Feedback Portal](https://www.syncfusion.com/feedback/). We are happy to assist you!