

Open Web Interface for .NET

OWIN (Open Web Interface for .NET) is a standard for an interface between .NET Web applications and Web servers. It is a community-owned open-source project. Prior to OWIN, Microsoft's ASP.NET technology was designed on top of IIS, and Web applications could not easily be run on another Web server (although note that despite this the Mono community developed several ASP.NET compatible Web servers, such as XSP). OWIN aims to decouple the relationship between ASP.NET applications and IIS by defining a standard interface. Developers of Web servers can be sure that, if they implement OWIN correctly, ASP.NET applications will run on their server. Similarly, new Web frameworks could be developed as an alternative to ASP.NET. So long as they target OWIN, they will run on any OWIN compatible Web server, including IIS.

In this regard, OWIN aims to do for .NET what Java Servlet and Servlet containers do for the JVM.

Project Katana is a set of OWIN components built by Microsoft.

Contents

OWIN as middleware

References

See also

External links

OWIN as middleware

In addition to decoupling Web frameworks and Web servers, OWIN allows chaining together middleware into a pipeline. A Web framework can interact with OWIN without knowing whether it is interacting directly with the underlying web server, or with one or more layers of middleware (each implementing OWIN) on top of the Web server. This allows infrastructure concerns, such as authentication, to be split out into separate modules. This is desirable as it decouples them from the application's own code, and makes them reusable across applications. In Project Katana, Microsoft has made into OWIN modules several ASP.NET features that were previously part of the core ASP.NET framework. This allows them to be reused in other Web frameworks, and also ensures a cleaner separation from the application using them.

References

See also

- [ASP.NET Core](#)
- [HTTP handler](#)

External links

- [Official OWIN website \(http://owin.org/\)](http://owin.org/)
 - [Katana Project \(https://github.com/aspnet/AspNetKatana/\)](https://github.com/aspnet/AspNetKatana/) at [GitHub](#)
 - [Microsoft's overview of Project Katana \(http://www.asp.net/aspnet/overview/owin-and-katana/an-overview-of-project-katana\)](http://www.asp.net/aspnet/overview/owin-and-katana/an-overview-of-project-katana)
-

Retrieved from "https://en.wikipedia.org/w/index.php?title=Open_Web_Interface_for_.NET&oldid=820742642"

This page was last edited on 16 January 2018, at 10:13 (UTC).

Text is available under the [Creative Commons Attribution-ShareAlike License](#); additional terms may apply. By using this site, you agree to the [Terms of Use](#) and [Privacy Policy](#). Wikipedia® is a registered trademark of the [Wikimedia Foundation, Inc.](#), a non-profit organization.