



# Web Service

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.NET

*The term Web service (WS) refers to a server running on a computer device that is listening for requests at a particular port over a network. Web Services serve web documents (HTML, JSON, XML, and images).*

[HTTPS://EN.WIKIPEDIA.ORG/WIKI/WEB\\_SERVICE](https://en.wikipedia.org/wiki/Web_Service)

# Web Services - Overview

<https://www.guru99.com/web-service-architecture.html>

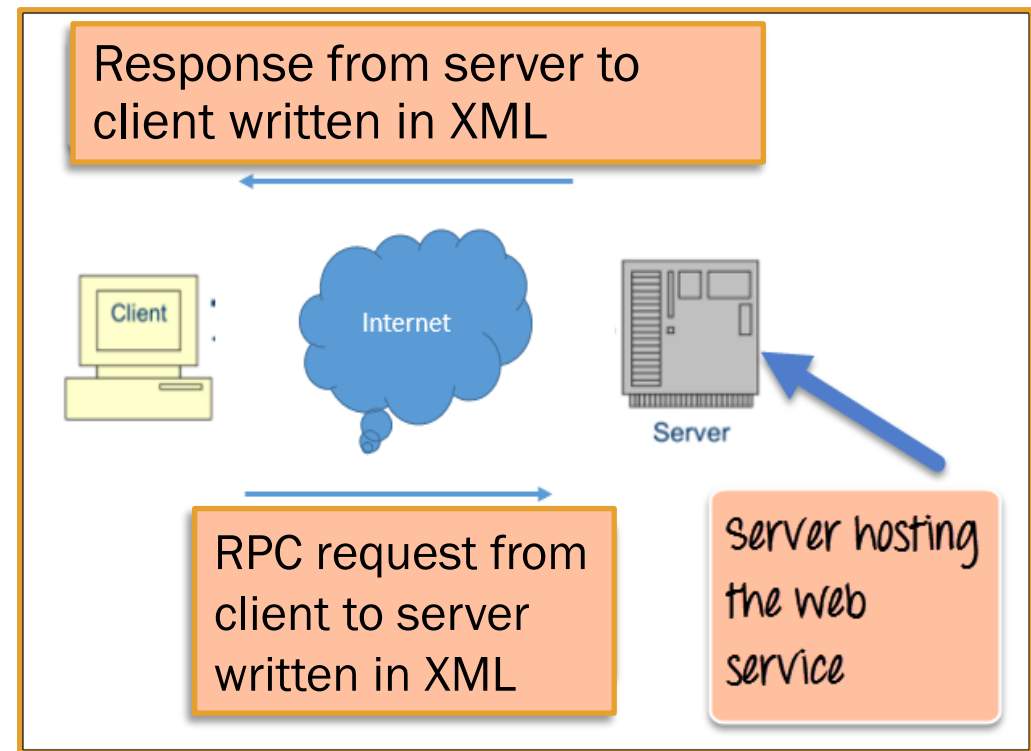
<https://docs.microsoft.com/en-us/dotnet/framework/wcf/whats-wcf#features-of-wcf>

A **Web Service** is an application with a standardized communication method. This standardization allows communication between web client and web server applications.

There are A Web Service could be **SOAP** or **REST**.

The methods of a **Web Service** are searched for and invoked over a network using **Remote Procedure Calls (RPC)**. **RPC**'s are written in **Extensible Markup Language (XML)**.

Because **RPC**'s are standardized to **XML**, client and server applications can be written in any language.



# SOAP Web Service vs API

<https://nordicapis.com/what-is-the-difference-between-web-services-and-apis/>

<https://www.guru99.com/api-vs-web-service-difference.html>

<https://www.cleo.com/blog/knowledge-base-web-services>

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<https://stackify.com/soap-vs-rest/>