Web Service

.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).
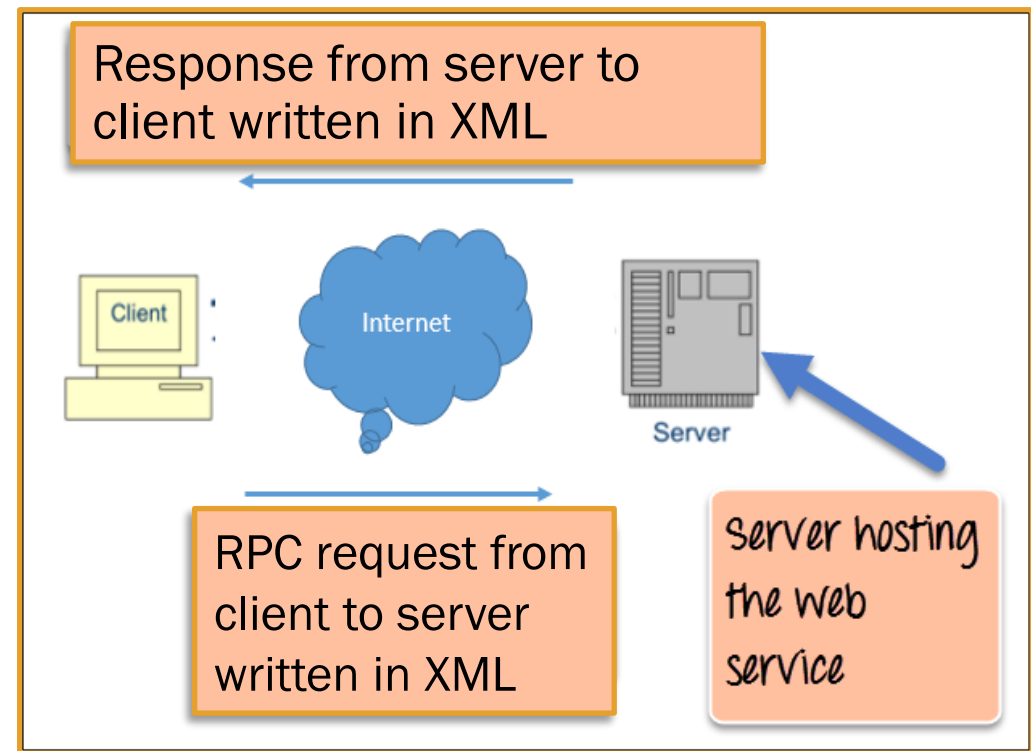
Web Services - Overview

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

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

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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.

Response from server to client written in XML

Client

Internet

Server

RPC request from client to server written in XML

server hosting the web service

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

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