Web Services

Web services are software systems that provide communication between devices over a network.

The client makes a request to the server. The server hosts the web service and sends responses to the clients.

Web services use standardized protocols for communication. REST and SOAP are most commonly used web service protocols.

Restful Service

These services use rest architecture for communication. REST stands for representational state transfer. Some of its characteristics are:

 They are stateless which means the server doesn't store any information about client between requests.

They use URIs.

JSON, HTML or XML can be used.

Clients use HTTP methods to interact with server.

HTTP METHODS

HTTP stands for hypertext transfer protocol. HTTP methods are used to communicate with a resource and do operations on/with datas.

Most common http methods are:

Get: Used to request data from a resource. Can be cached. Shouldn't be used when sending sensitive data.

Post: Sends a data to a resource. A new data is created.

Put: Updates a data.

Delete: Deletes a data.