

Web Service Management

Khandakar Rashedul Arefin

Presentation Outlines

Define Web Service

Types of Web Service

Web Service Architecture

Web Hosting Service

Demonstration



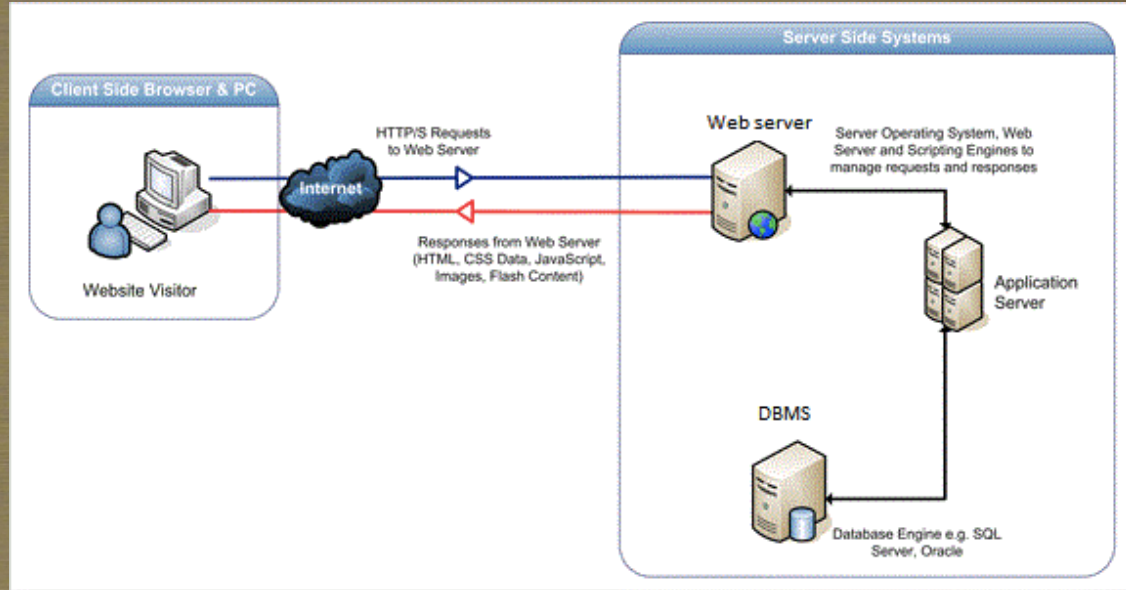
Define Web Service

Web Page: A document which can be displayed in a web browser

Web Site: Collection of Web Pages which are grouped together & connected in various ways

Web Server: Host the website
Serve HTTP Content
Act as a Reverse Proxy to App Server

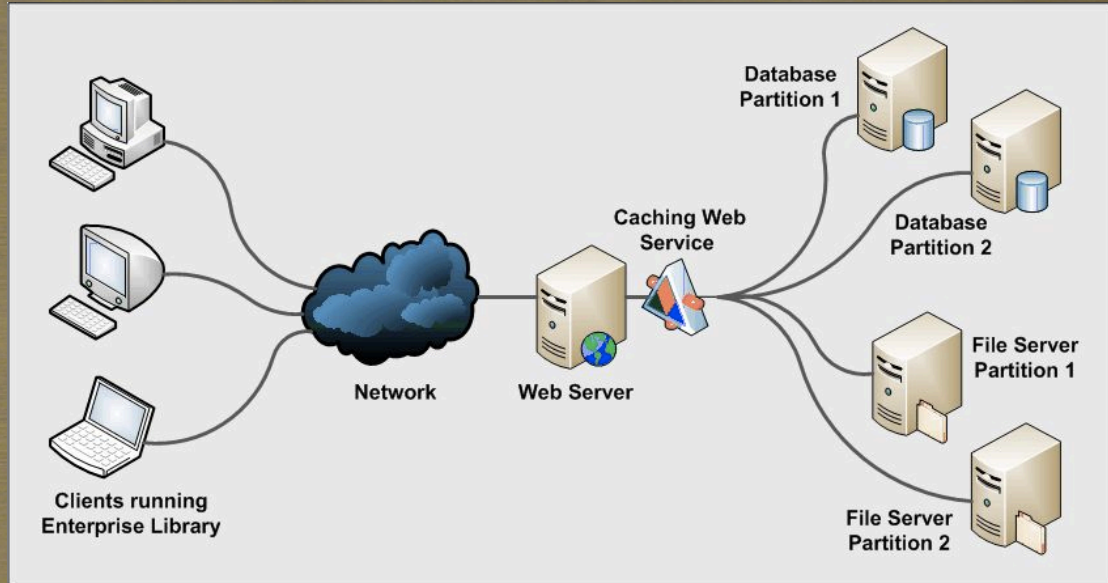
Application Server: Host & Exposes business logic and processes



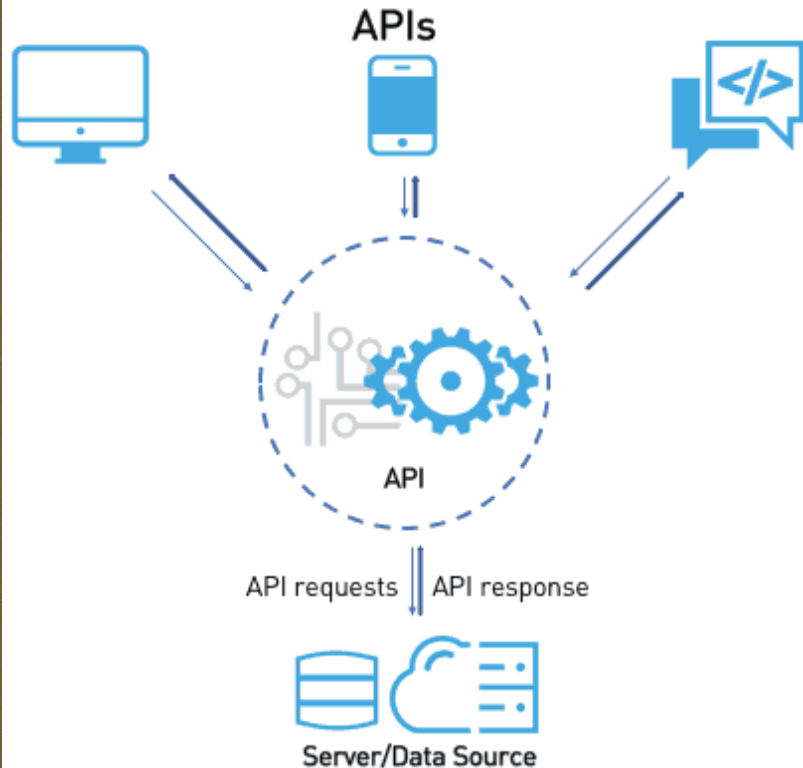
Define Web Service

Web Service:

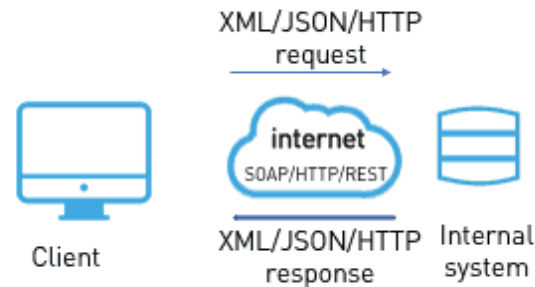
- ✓ A Messaging Framework
- ✓ Network Accessible Interface to Application Functionality
- ✓ Accessible through a combination of protocols like HTTP, XML, SMTP or Jabber
- ✓ Used for communicating between two devices or web entities in the network



Define Web Service



Web service



All Web Services can be APIs

But all APIs can't be Web Services

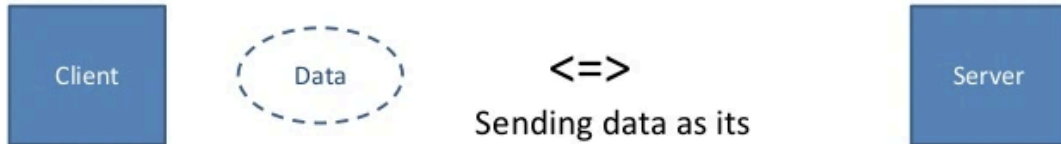
Types of Web Service

SOAP vs REST

SOAP



REST



*REST are mostly used in industry

SOAP: Simple Object Access Protocol

- Offers a wrapper for sending messages in XML format over HTTP

WSDL: Web Service Description Language

- Provides information about the functionalities of any particular Web Services

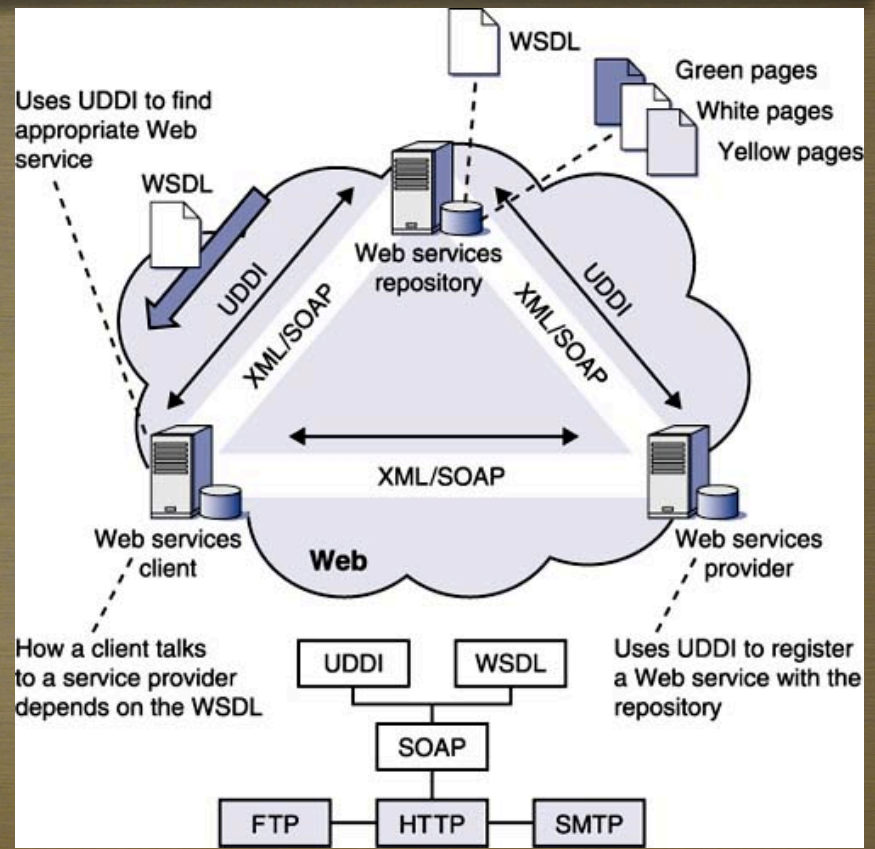
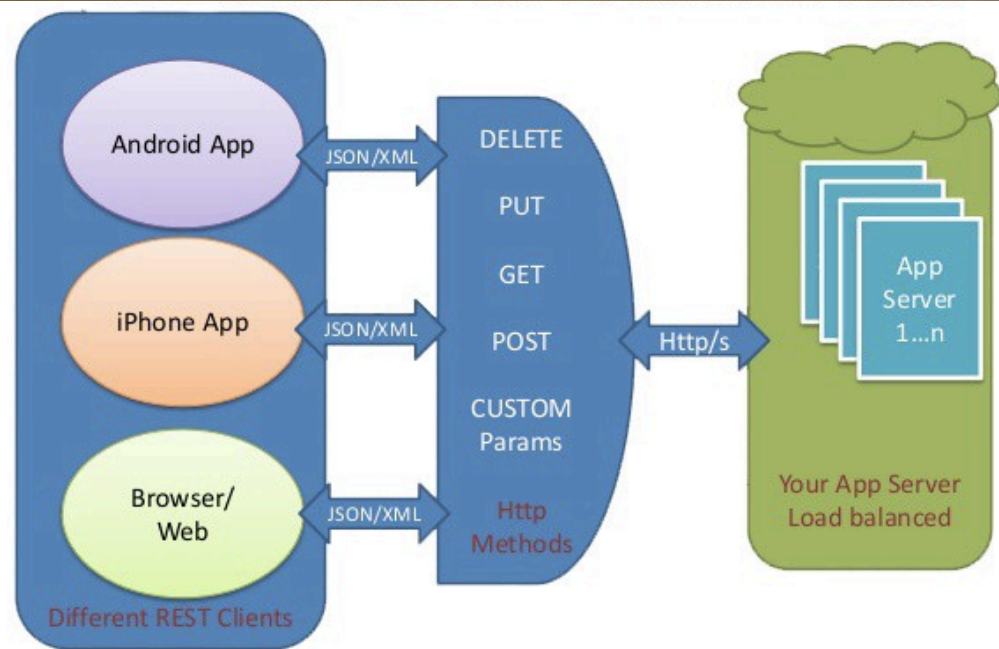
UDDI: Universal Description, Discovery and Integration

- Kind of distributed directory of Web Services
- Server publish their services
- Clients can lookup and find the service

REST: Representational State Transfer

- Uniform
- Stateless

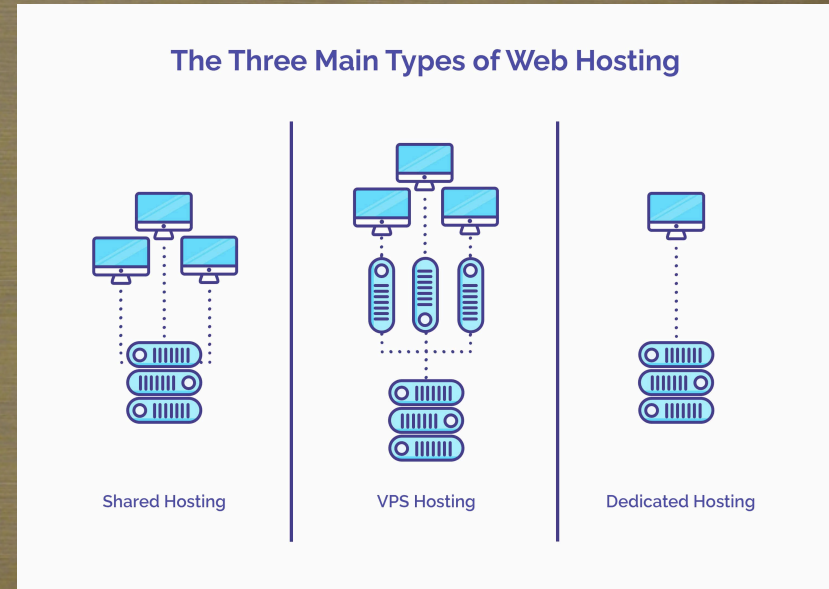
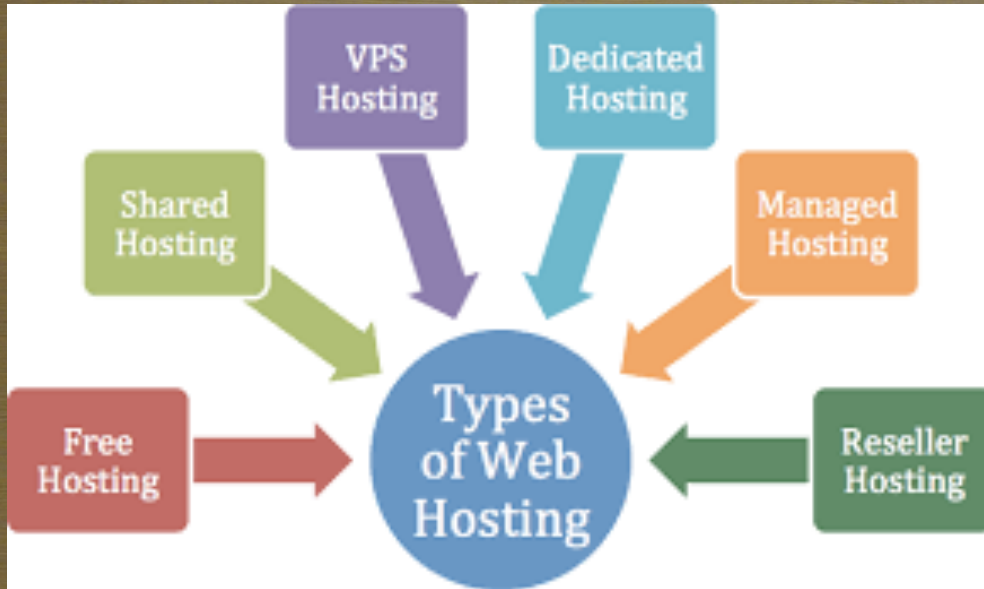
Web Service Architecture



Web Hosting Service



Web Hosting Service



Demonstration



THANK YOU

The image features the words "THANK YOU" in a large, white, 3D sans-serif font. Each letter is designed to look like a paper cutout with a hole at the top, from which a thin white string hangs. The letters are arranged in two rows: "THANK" on top and "YOU" below it. The background is a solid, vibrant orange color. The lighting creates soft shadows beneath the letters, giving them a sense of depth and making them appear to float above the surface.