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Web Services

with Examples

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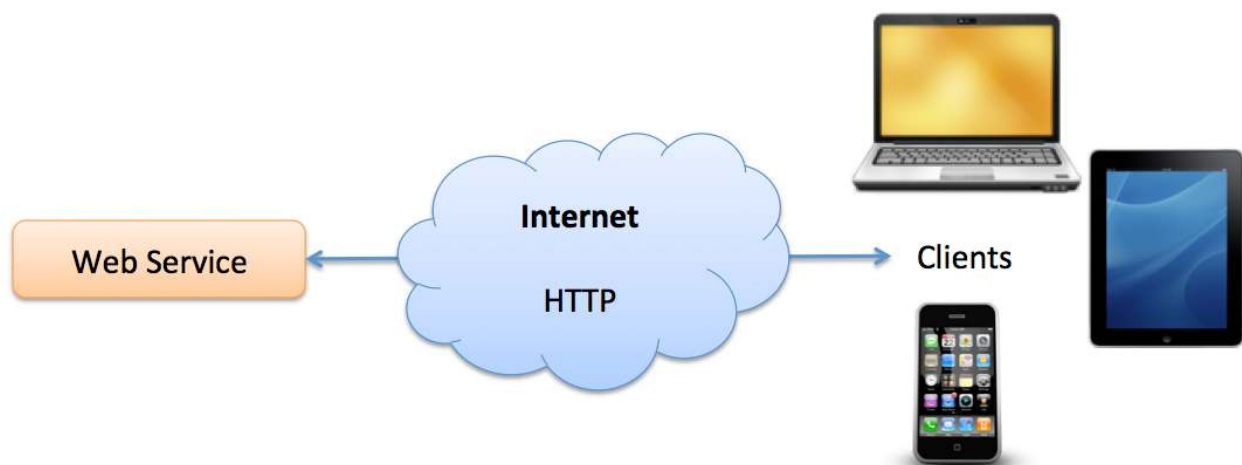


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1. Introduction

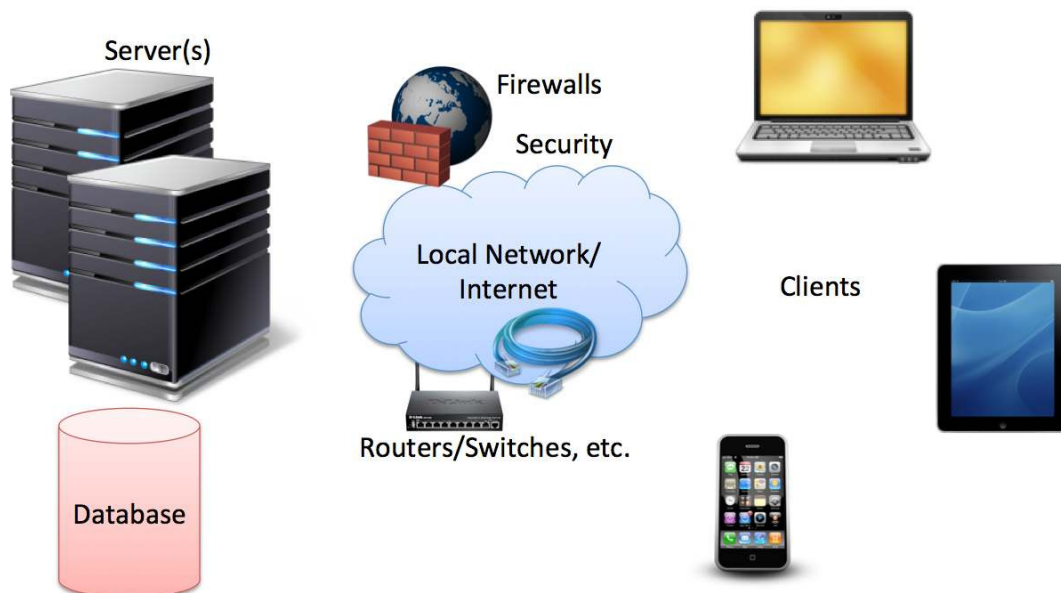
In addition to this written Tutorial, you will find additional resources here:

<http://home.hit.no/~hansha/?tutorial=webservice>

1.1. The Problem

Our problem is: How to Share Data between Devices in a Network?

How to Share Data between Devices in a Network?



Direct Connection between the Database and the Clients that need the Data is normally not possible, due to security, compatibility issues, etc. (Firewalls, Hacker Attacks, etc.).

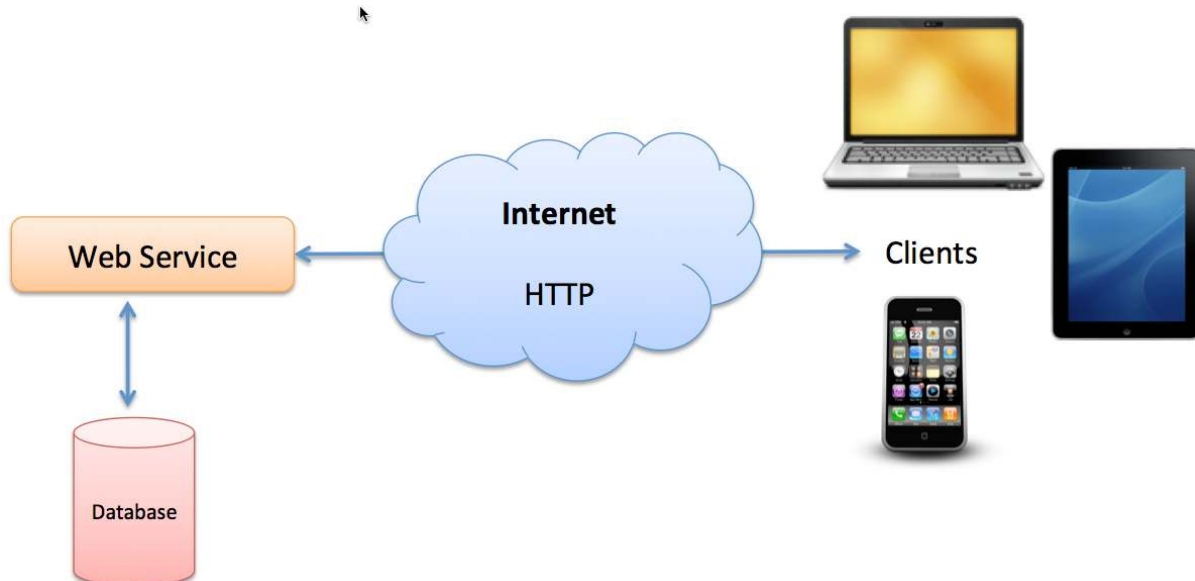
Direct Connection in a Local Network (behind the Firewall) is normally OK – but not over the Internet.



1.2. The Solution

Solution: Web Service. Web Services uses standard web protocols like HTTP, etc.

HTTP is supported by all Web Browser, Servers and many Programming Languages



Today Web Services have been very popular. A Web service is a method of communications between two devices over the World Wide Web, and makes it easy to share data over a network or the internet.

1.3. Web Services Overview

A Web Service is

- A Web API

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