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# Abstract

Usual internet browsers just send request to the host directly and the response page is downloaded and displayed to the user. It is usually a high resource using software. It uses high bandwidth as the page size are getting bigger and bigger. Also, it uses high processing time. How can this load be minimized on the local computer while browsing the internet.

So, there comes the idea of a project in which this load on local computer is minimized. The basic concept on the start was to move the processing overhead to the remote computer, in this case to the Cloud. Based on this idea a software was created to browse internet on local or client side computer, which not only move the processing overhead to the cloud but also save the client bandwidth by compressing the pages before sending to the client computer. The only thing the user's computer needs to be able to run is the cloud computing system's interface software, which can be very simple and the cloud's network takes care of the rest.

This happened to be thought already by some software like opera and very few others. Most of this idea was applied to the mobile phones. This project named SurferLite applied the idea into general Personal Computers.

The project SurferLite is combination of two sub projects. The first sub project deals with the development of a client application in Windows 8.1 Preview, which is the latest OS produced by Microsoft. The client application that is built here is a simple web browser. The web browser possesses the basic functionality like other browser but get pages through Azure Cloud Service called surferlitedev, which is another sub project. We’ve dealt with the SaaS (Software as a service) part of Cloud computing.

Hence we saved some internet bandwidth load and distributed the processing load. Also on volume based internet package. This can save money.

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# Abbreviations

URI Uniform Resource Identifier

HTTP Hyper-Text Transfer Protocol

IT Internet Technology

SaaS Software as a Service

OS Operation System

WCF Windows Communication Foundation

ASP Active Server Page

MVC Model-View-Controller

API Application Programming Interface

GHz Gigahertz

GB Gigabyte

WDDM Windows Display Driver Model

ISP Internet Service Protocol

TFS Team Foundation Server

ALM Application Lifecycle Management

IDE Integrated Development Environment

VSTS Visual Studio Team System

XAML Extensible Application Markup Language

IIS Internet Information Services

XML Extensible Markup Language

OOAD Object Oriented Application Design

IE Internet Explorer

UI User Interface

CPU Computer Processing Unit

MSDN Microsoft Developer Network