**MashUp Application**

A mashup, in web development, is a web page, or web application, that uses content from more than one source to create a single new service displayed in a single graphical interface

The main characteristics of a mashup are combination, visualization, and aggregation. It is important to make existing data more useful, for personal and professional use. To be able to permanently access the data of other services, mashups are generally [client applications](http://en.wikipedia.org/wiki/Client_(computing)) or hosted online.

There are many ways to create a MashUp application.

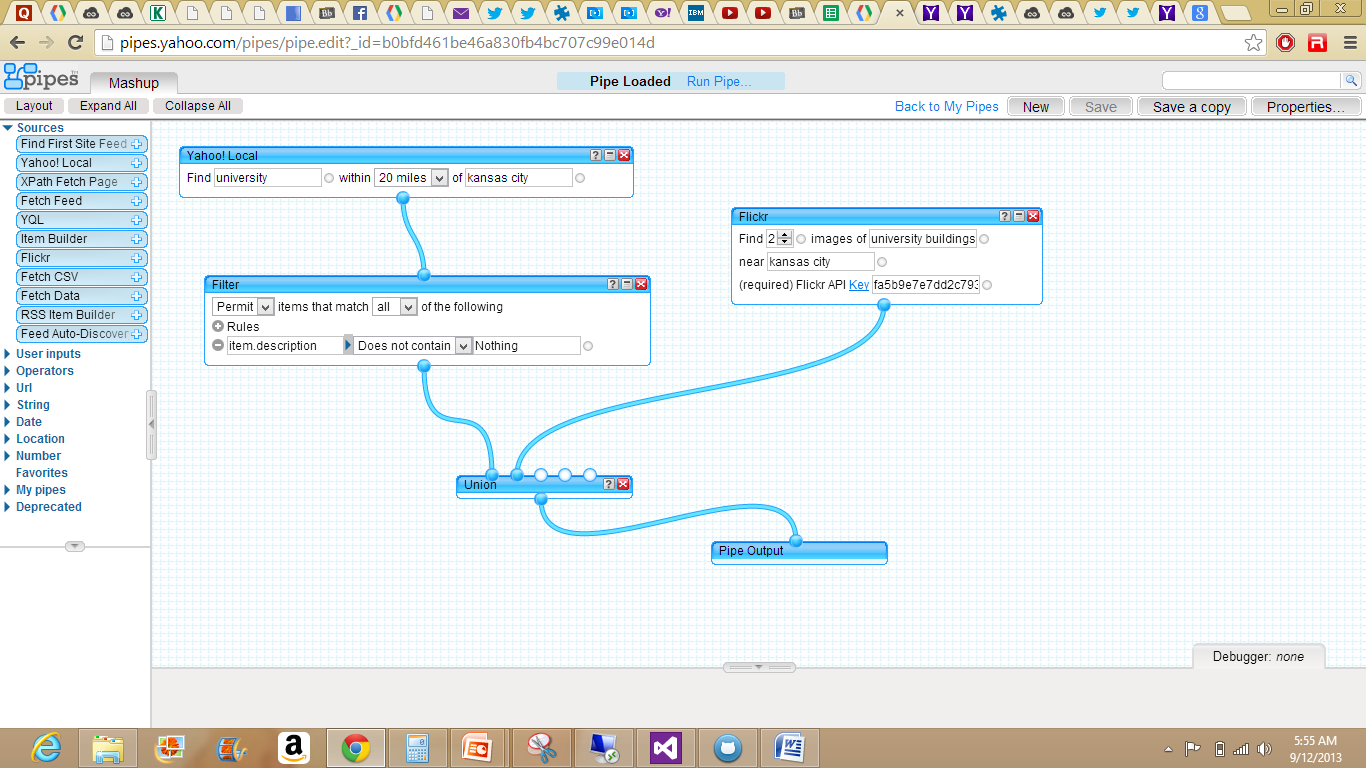
**Yahoo Pipes**- Pipes is a powerful composition tool to aggregate, manipulate, and mashup content from around the web.

**Dapper**- Dapper is a free, web-based service that enables users to easily create an interactive feed from any website for consumption on any platform.

Yahoo Pipes Example Created by me:

<http://pipes.yahoo.com/pipes/pipe.info?_id=b0bfd461be46a830fb4bc707c99e014d>

Source code:



**JsFiddle:**

<http://jsfiddle.net/karthikrepala/zECAm/1/>

This Mashup Application Uses the Google API, Twitter API, Google Chart Services and Yahoo Chart Services.

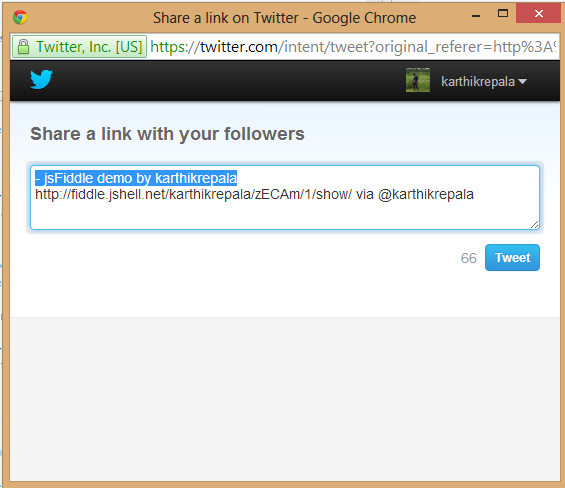
A tweet can be broadcasted into the web application-

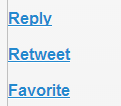


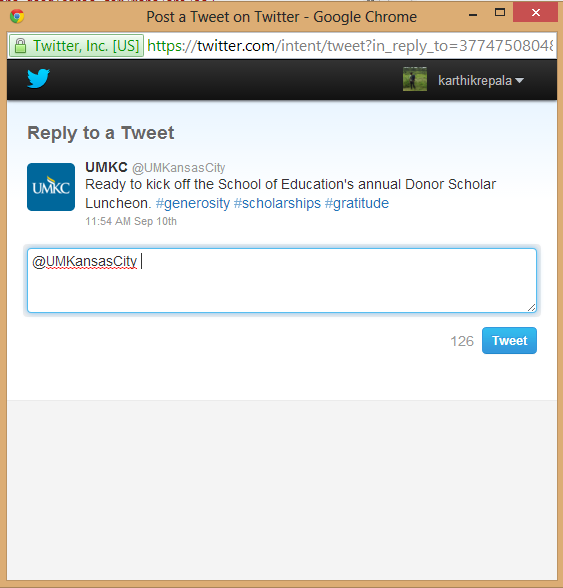
Twitter Page can be followed-

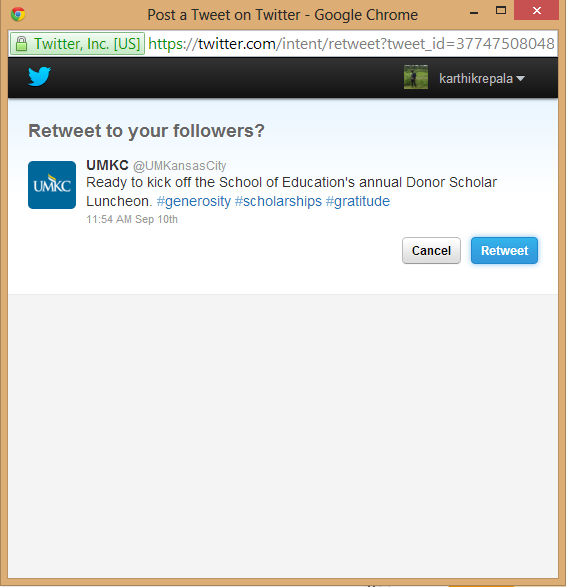


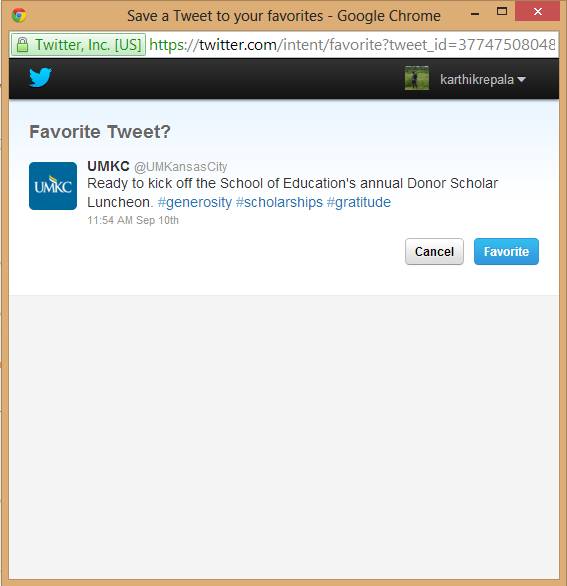
There are other options like tweeting, re-tweeting and making tweets as favorites.





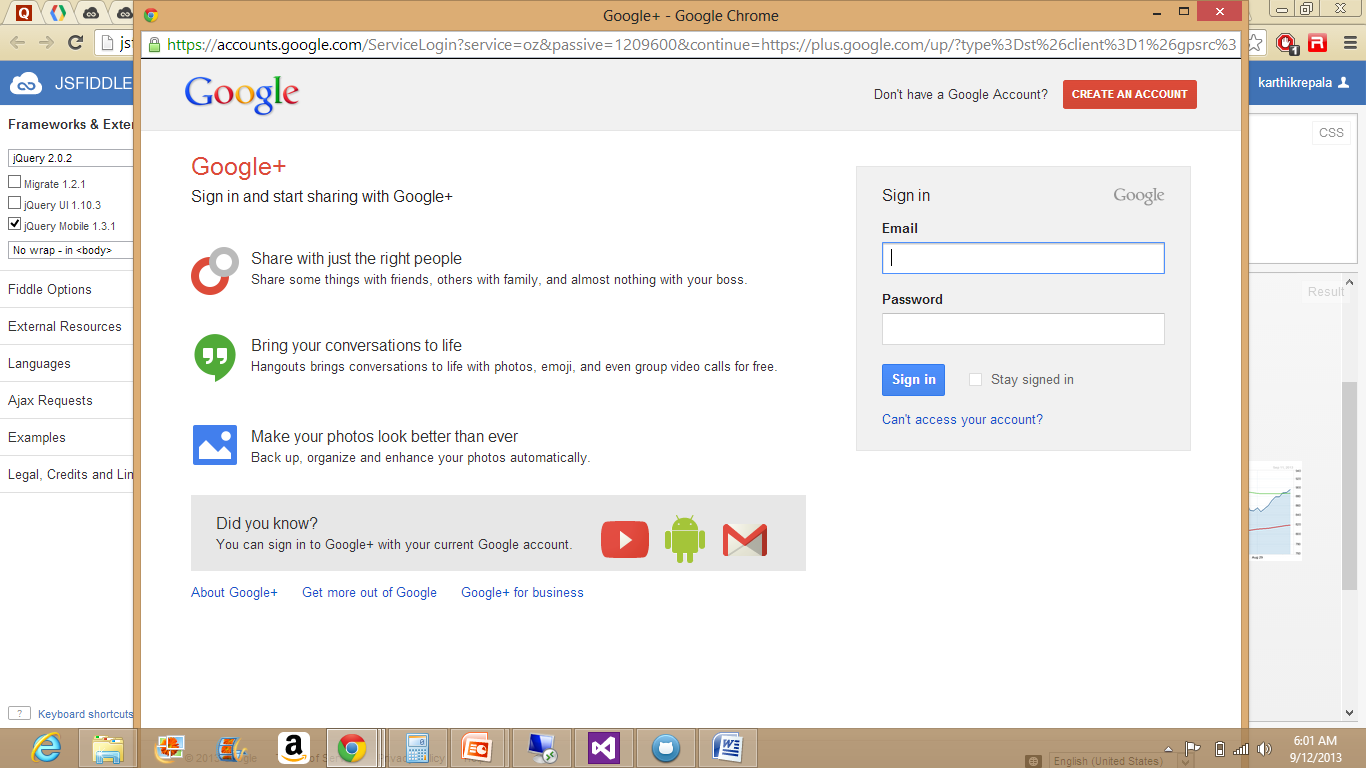




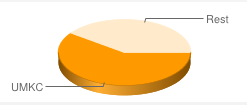


Share Option has been embedded into the application-





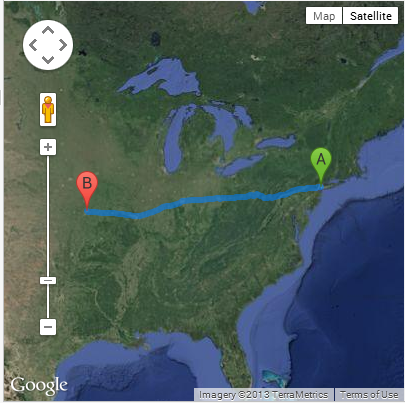
**Google Chart Services-**



**Yahoo Finance Services-**



**Google Map Services-**



Embedded google maps has been included into the mashup application which shows the satellite view of distance from Source A which is New York to Source B which is Kansas City.

The Source Codes are attached below-





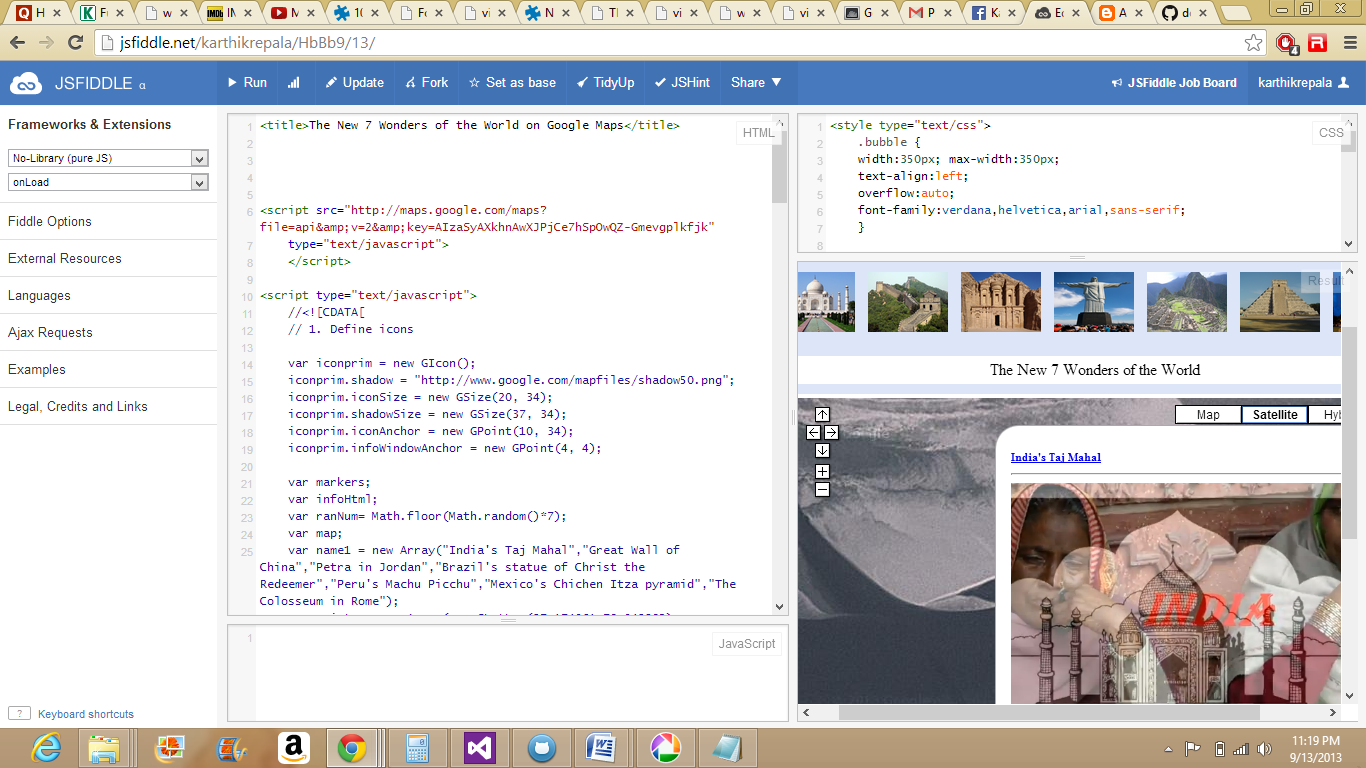
**Mashups**

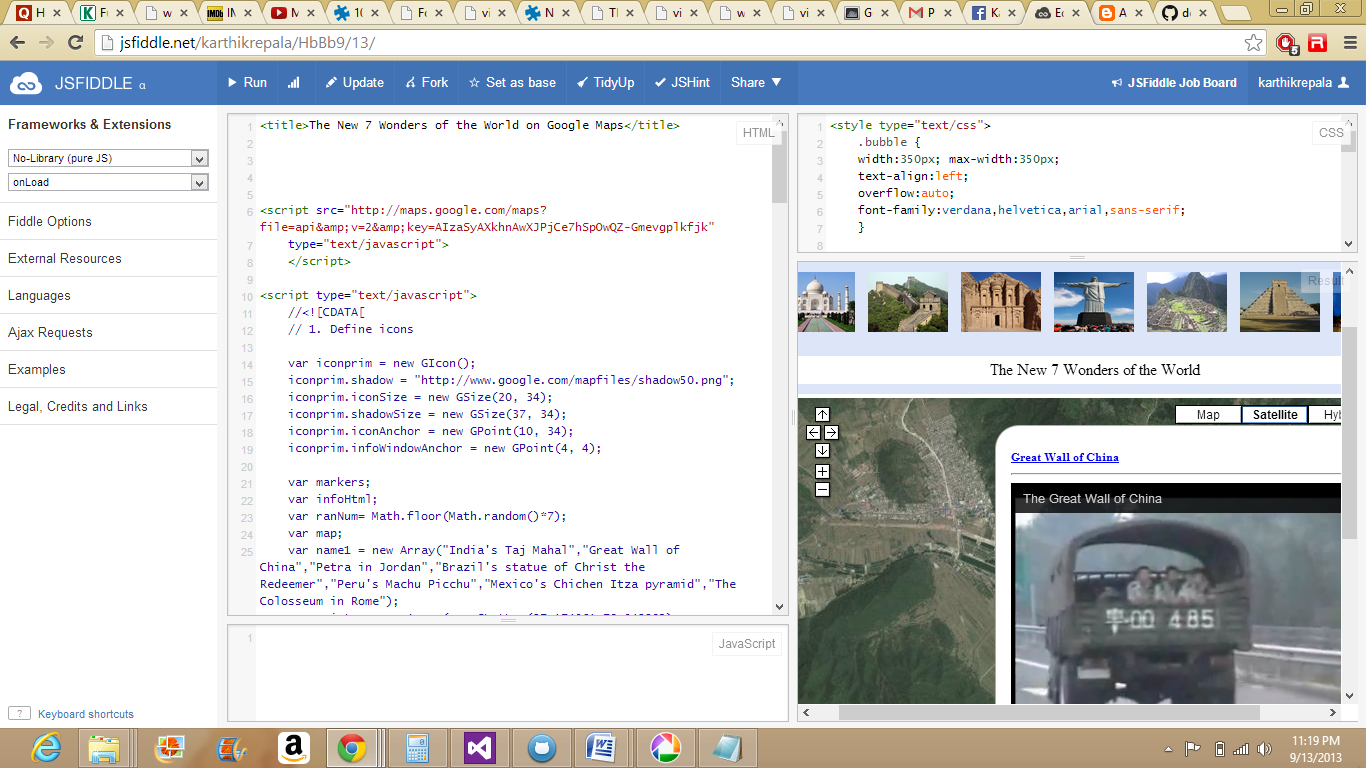
Seven Wonders of the World.

This Mashup uses Google Maps and Youtube Services.

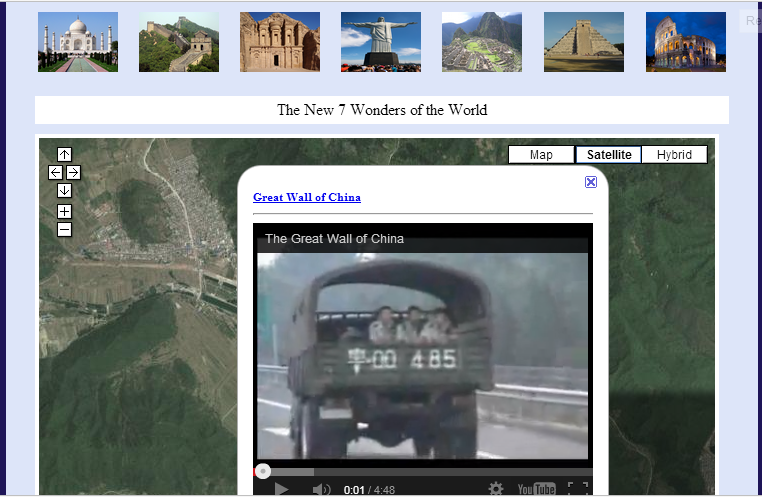
Whenever, the image of any monument is clicked, the monument is located in the google map and video corresponding to the monument is played through the youtube service.

Link to the Mashup: [**http://jsfiddle.net/karthikrepala/HbBb9/13/**](http://jsfiddle.net/karthikrepala/HbBb9/13/)





Once the picture is clicked, the map is routed there and video corresponding to it is played.



**References: Google Maps API's and Youtube API's.**

**Source Codes:**

**HTML:**



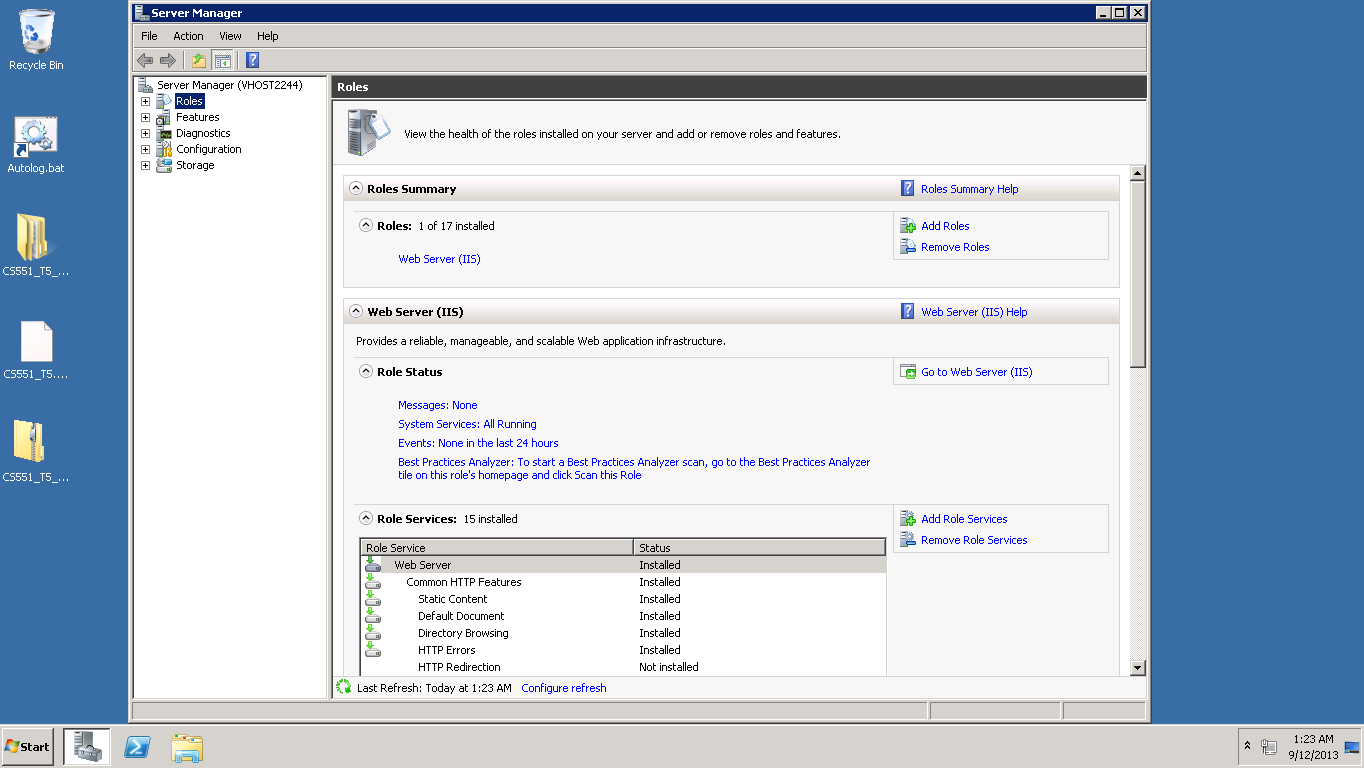
**CSS:**



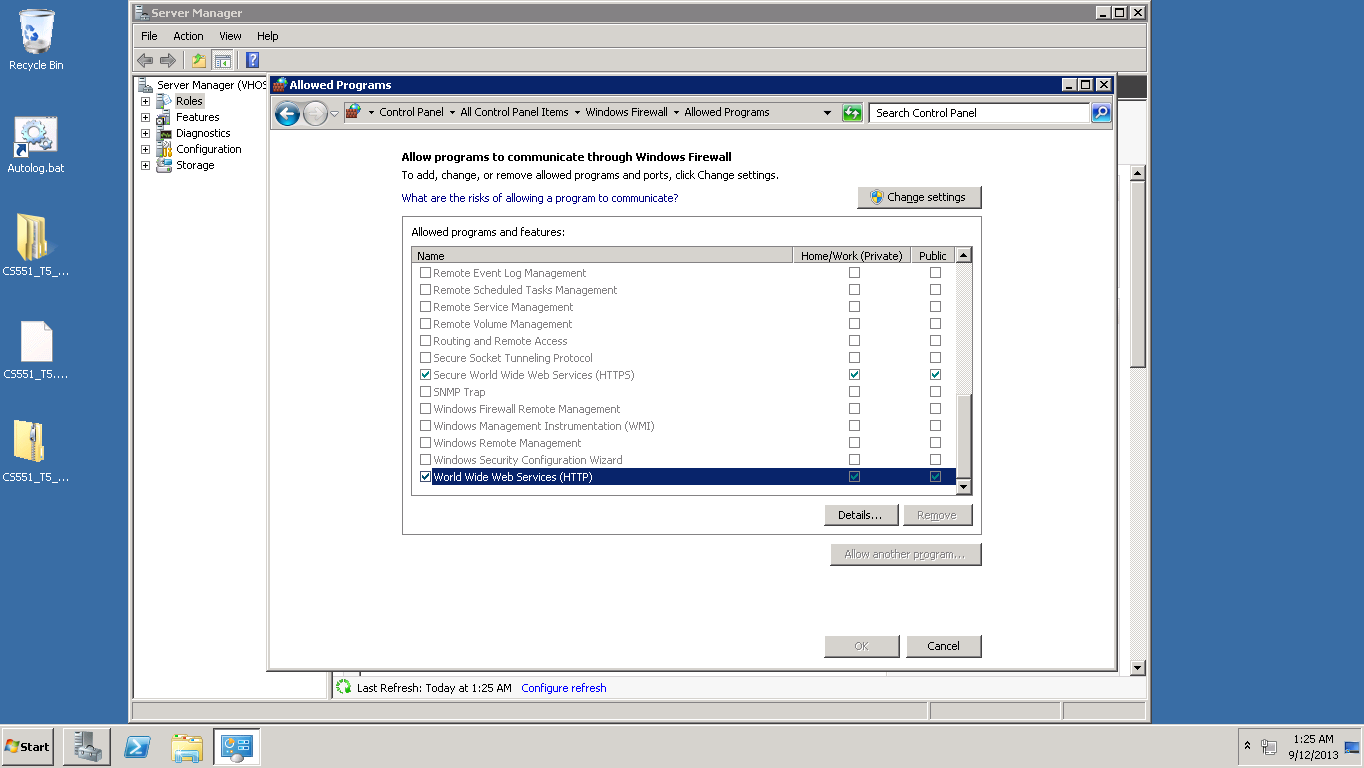
**Installing IIS server**

Go to Server Manger in My Computer of Remote Desktop.

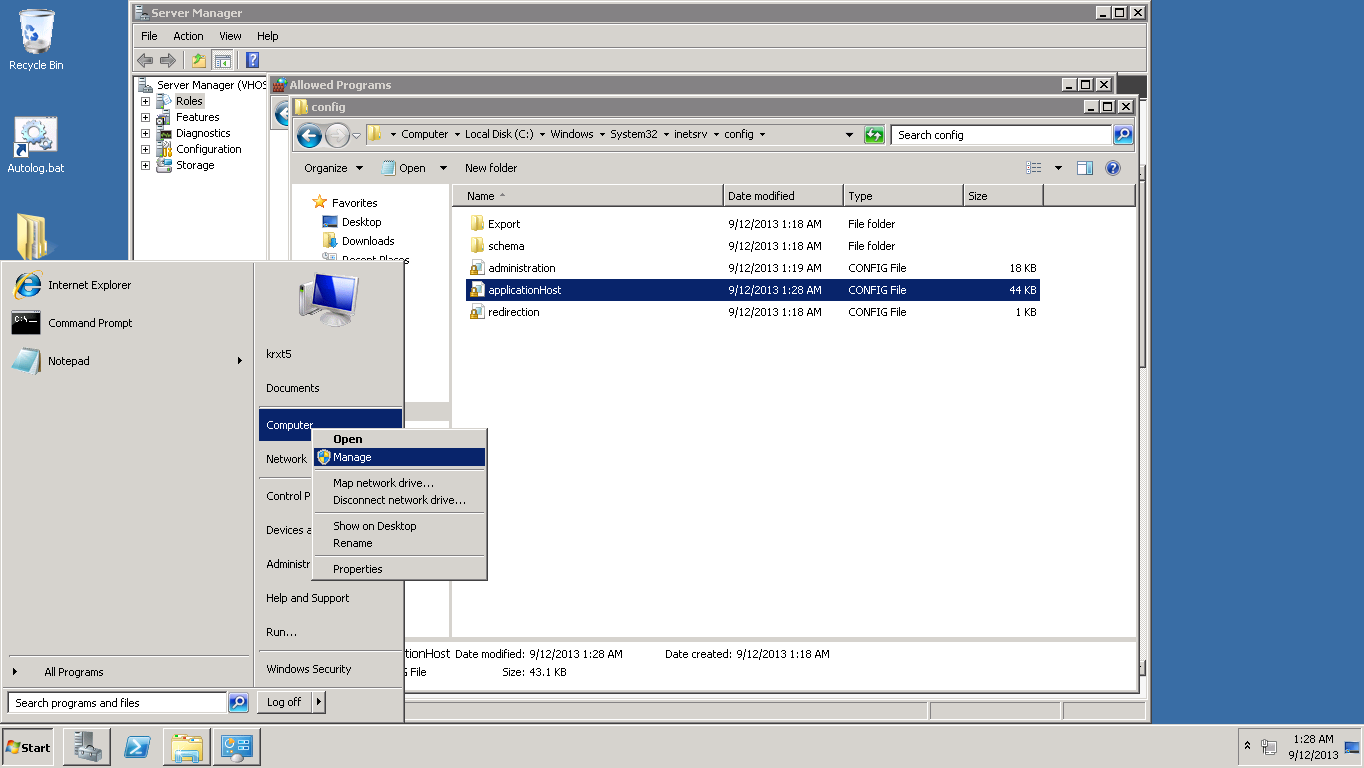
Install a Web Server(IIS) Role under the Roles tab.



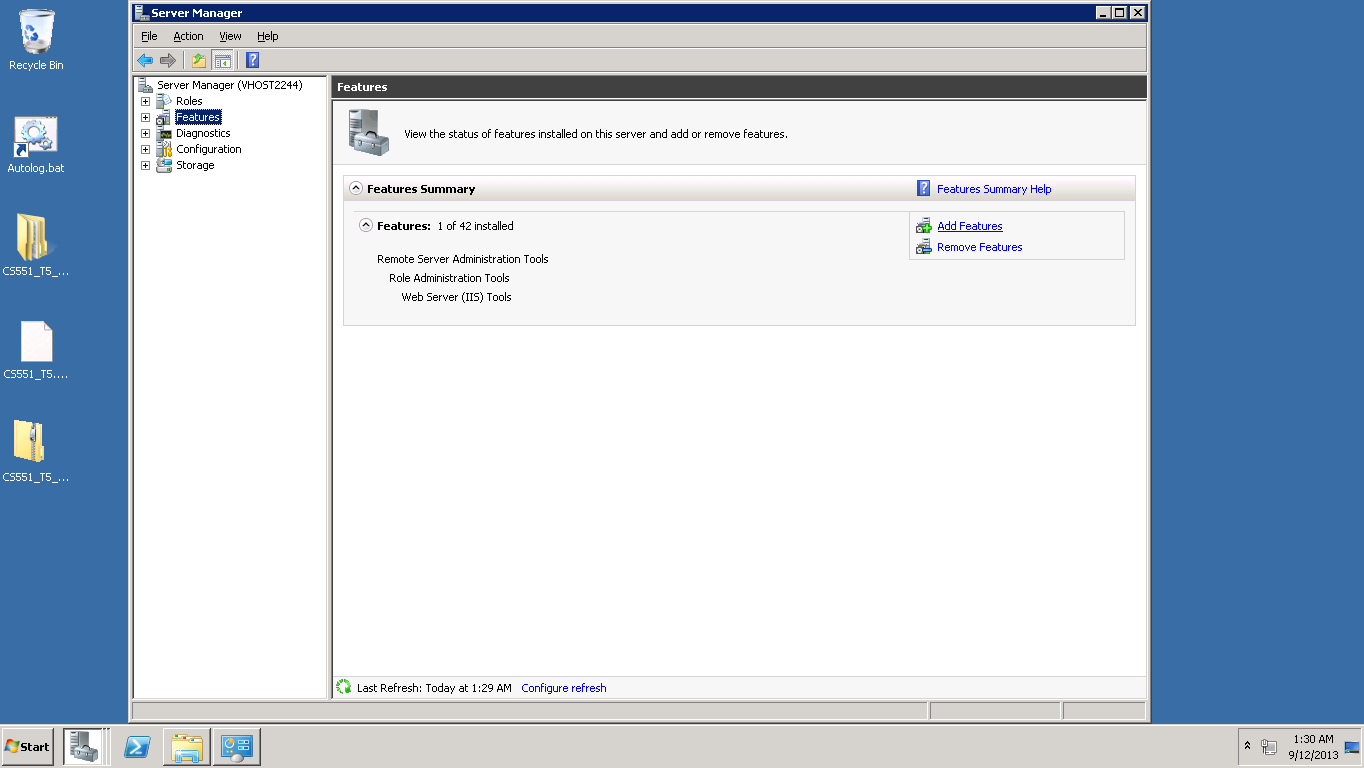
Check the firewall settings and make changes if necessary.



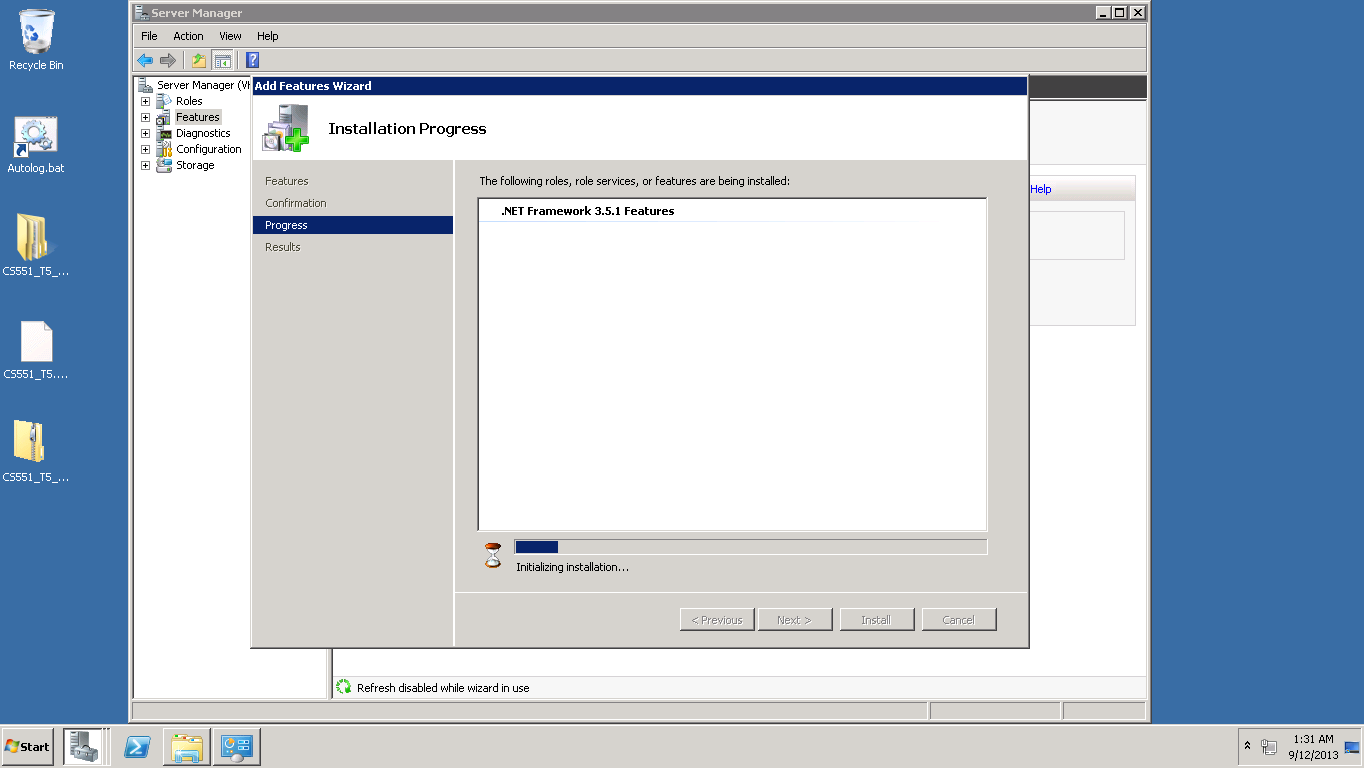
Additional configuration settings can be done in the MyComputer-->Manage Path.



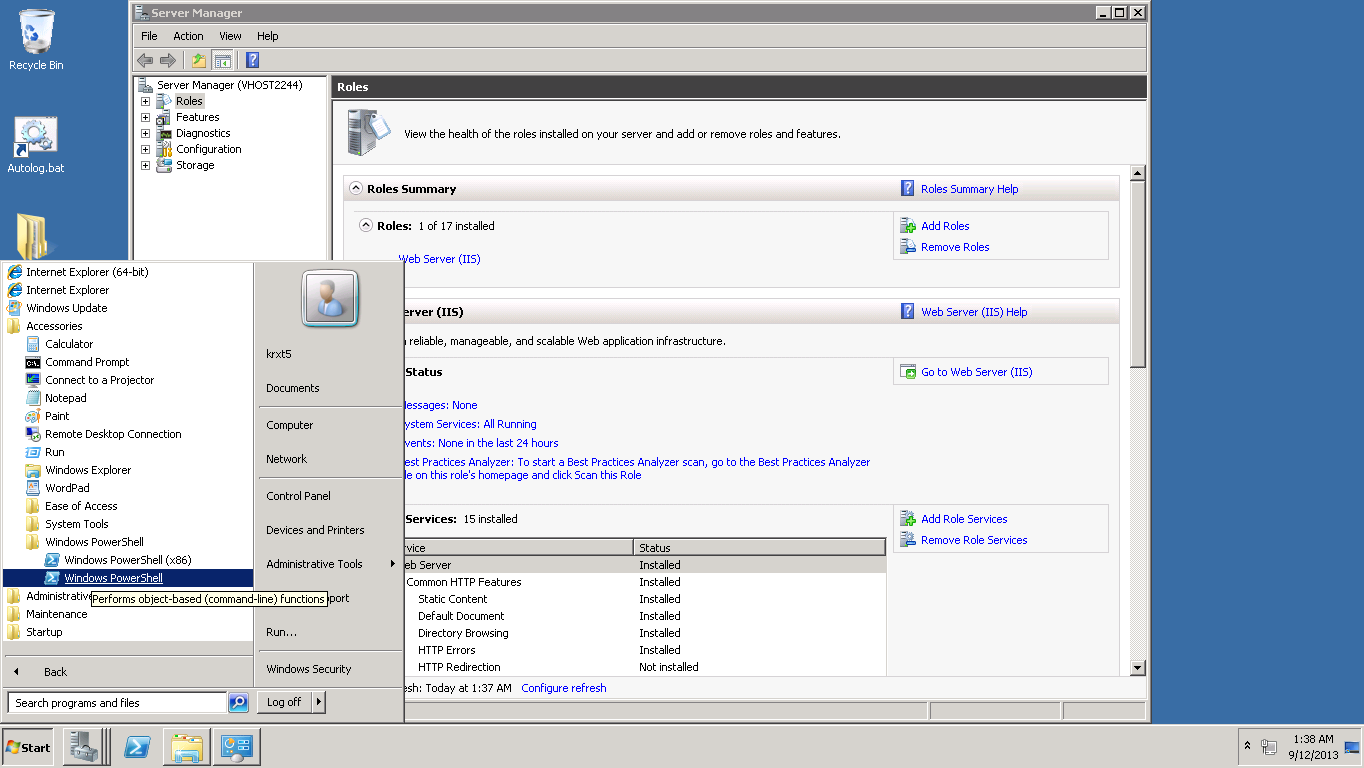
After roles are created,install the features under the Features Tab.

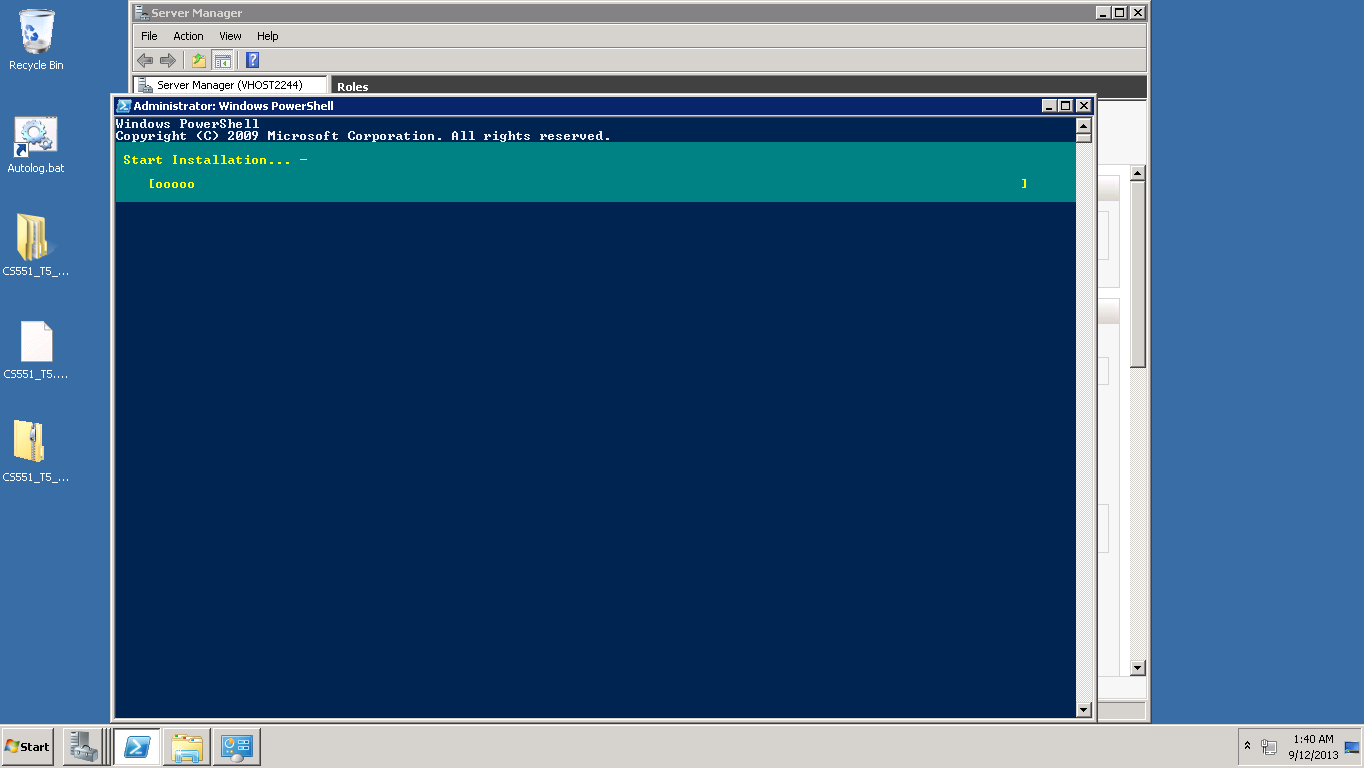


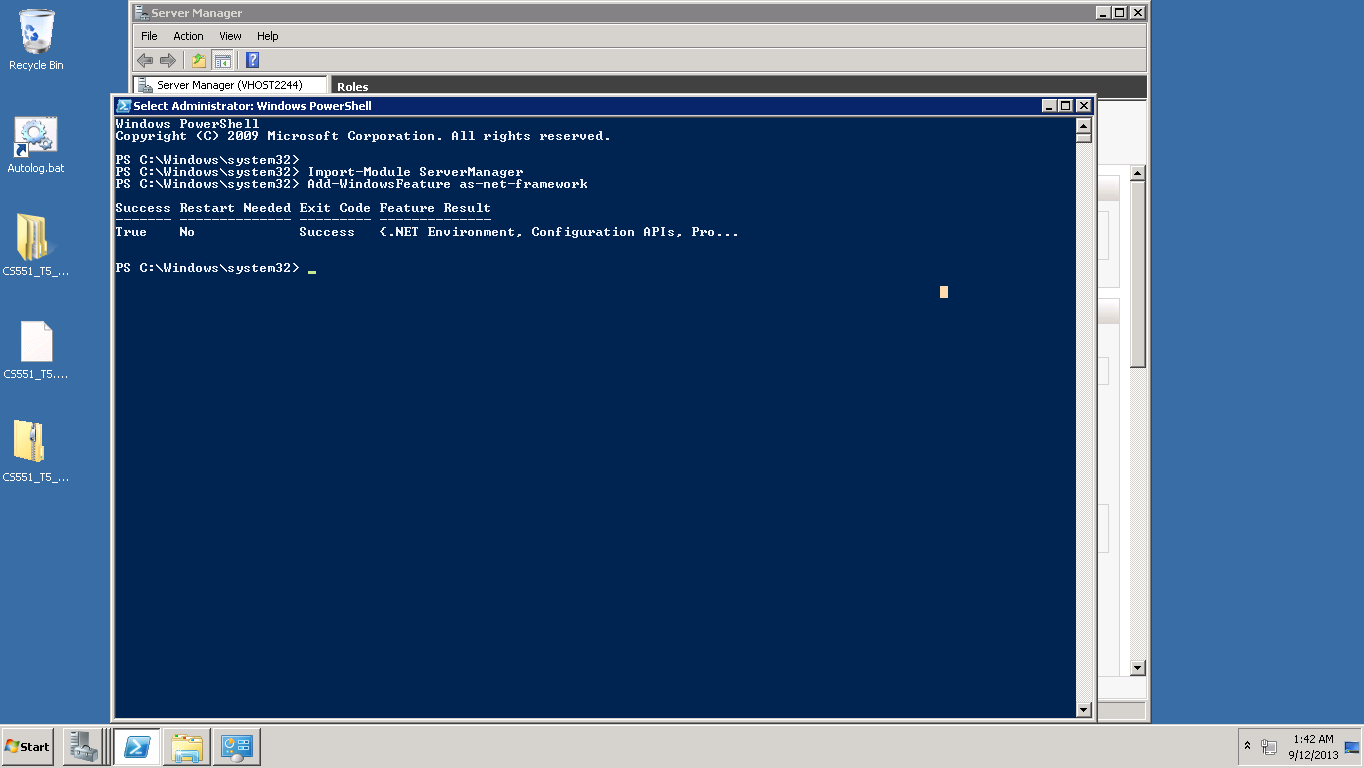
Select the .NET framework and click on install. The below screen shows the installation window.



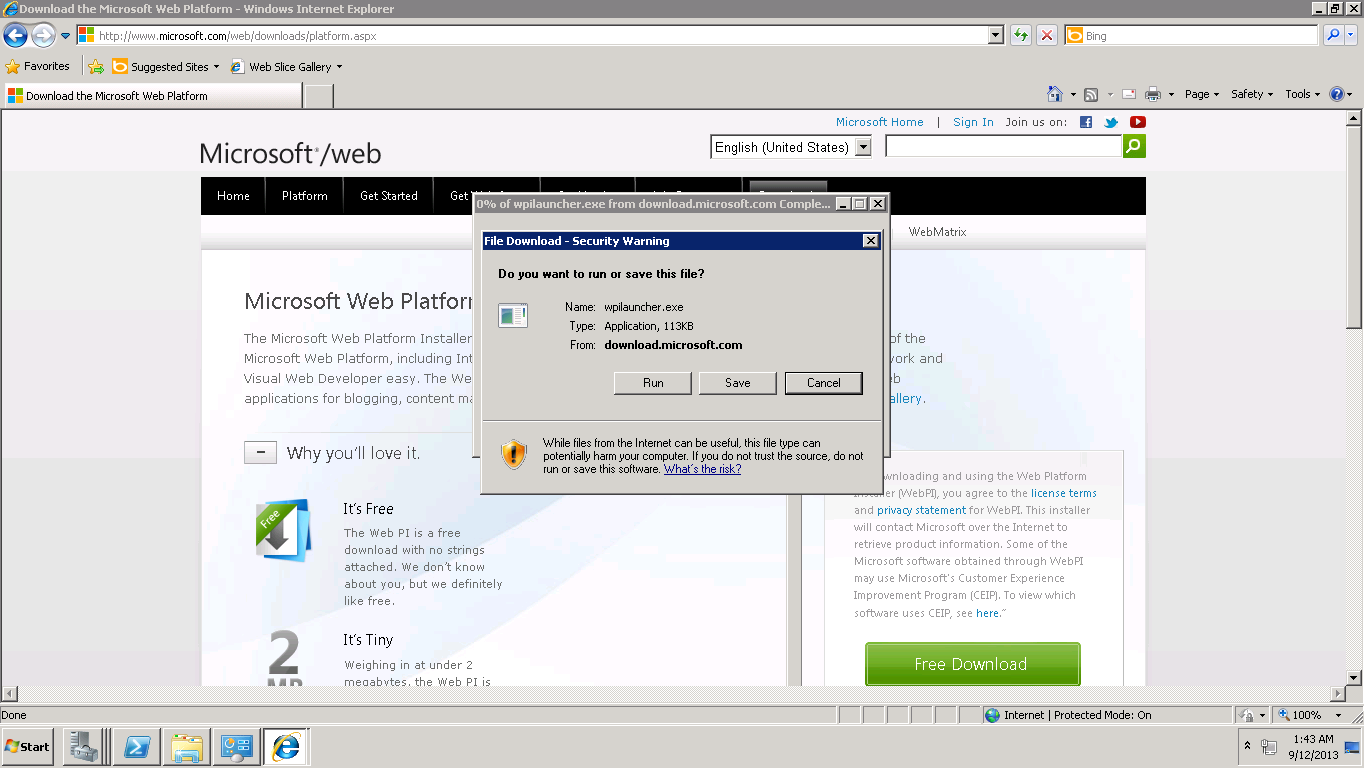
Go to Window Powershell folder and import the Module-Servermanager and add windows feature as .net framework.



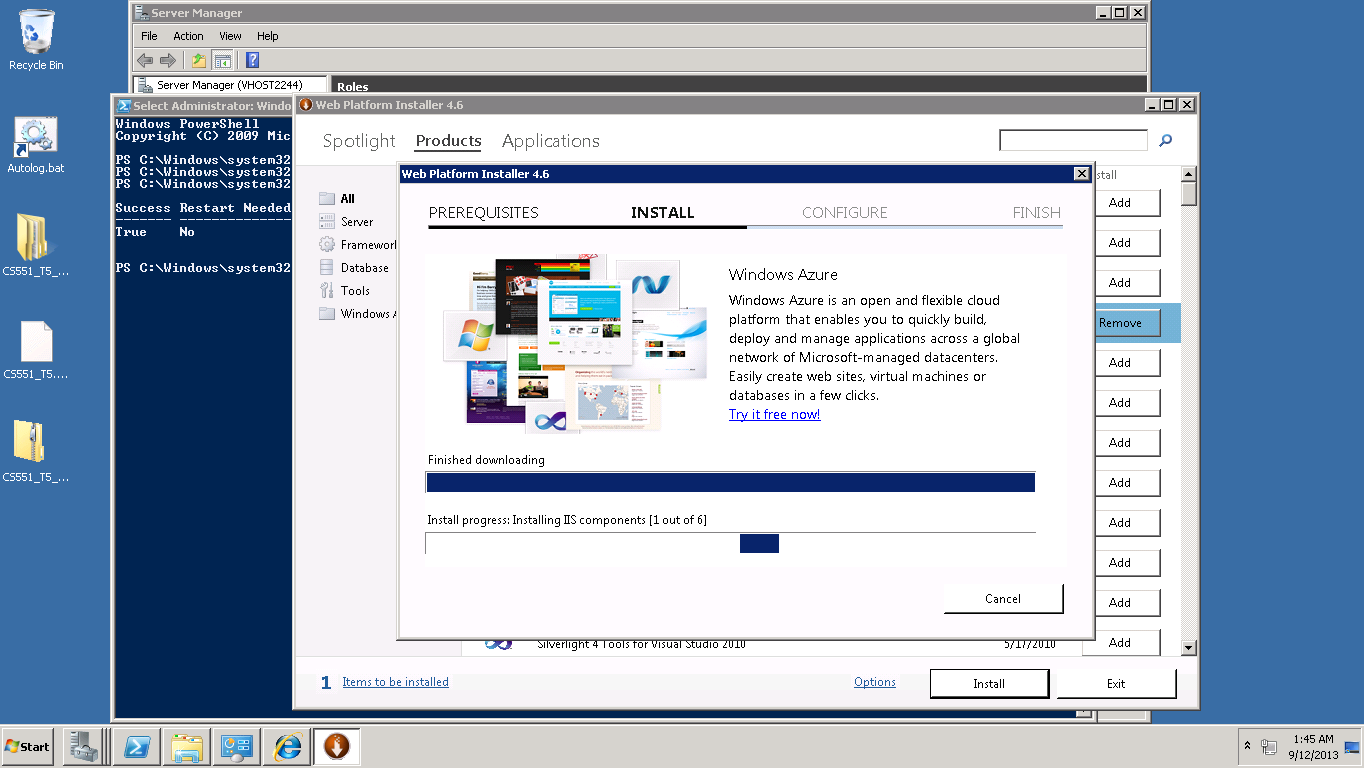




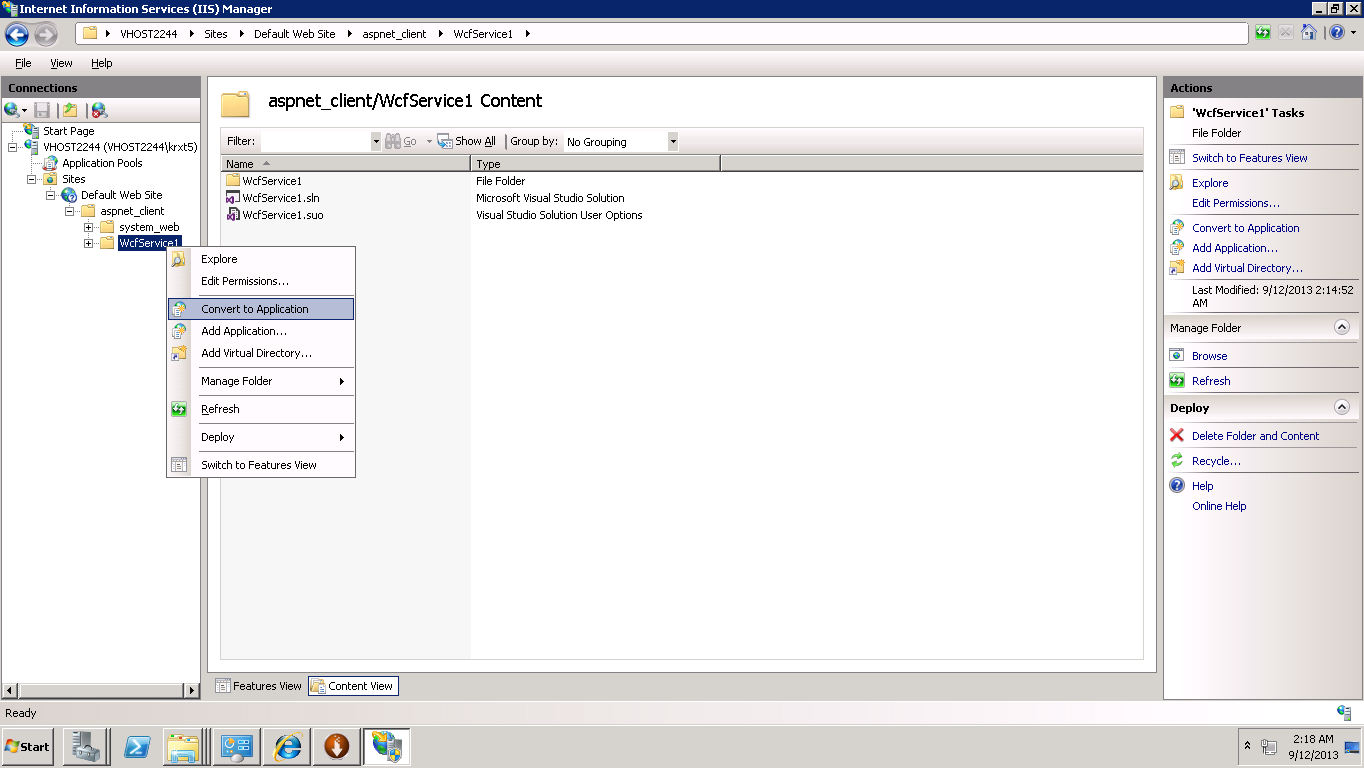
Add the IIS Configuration and .Net 4.5



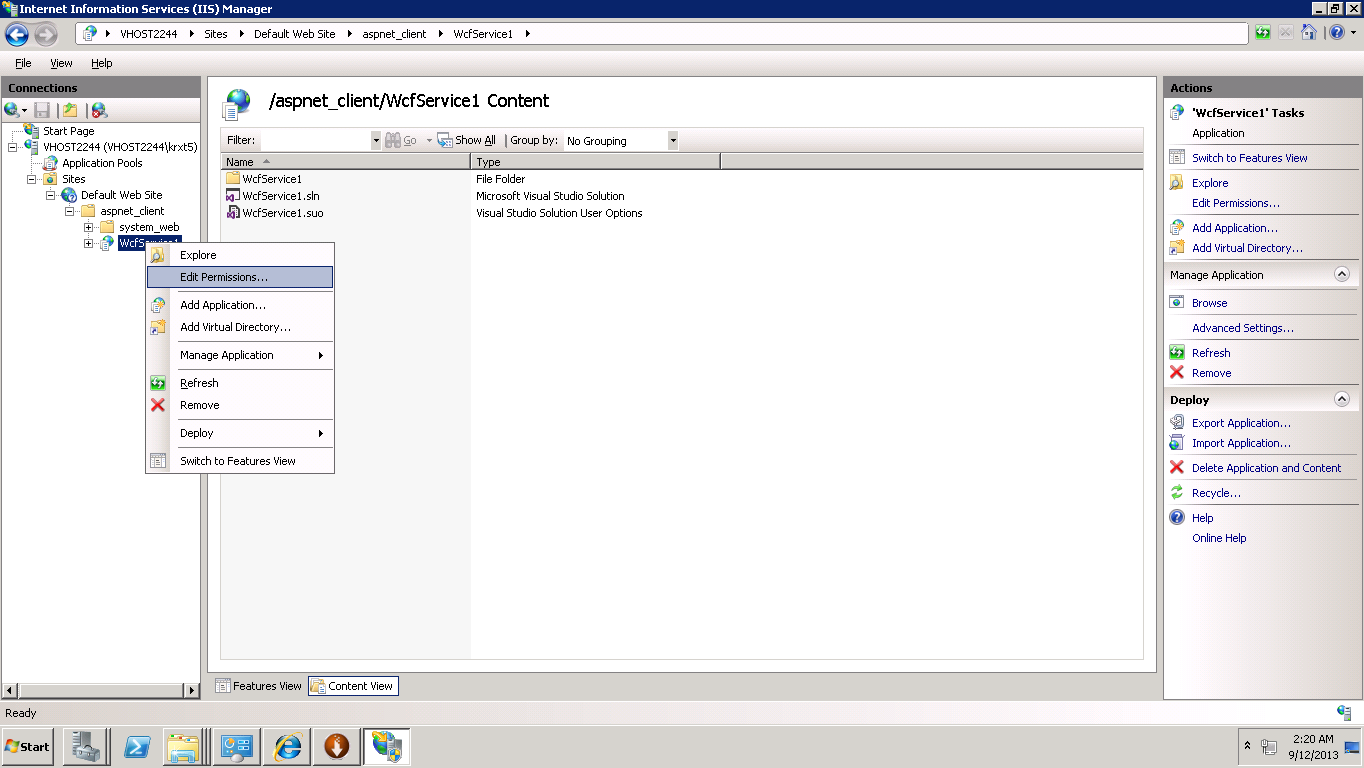
Add the ISS Configuration and Visual Studio and install them.

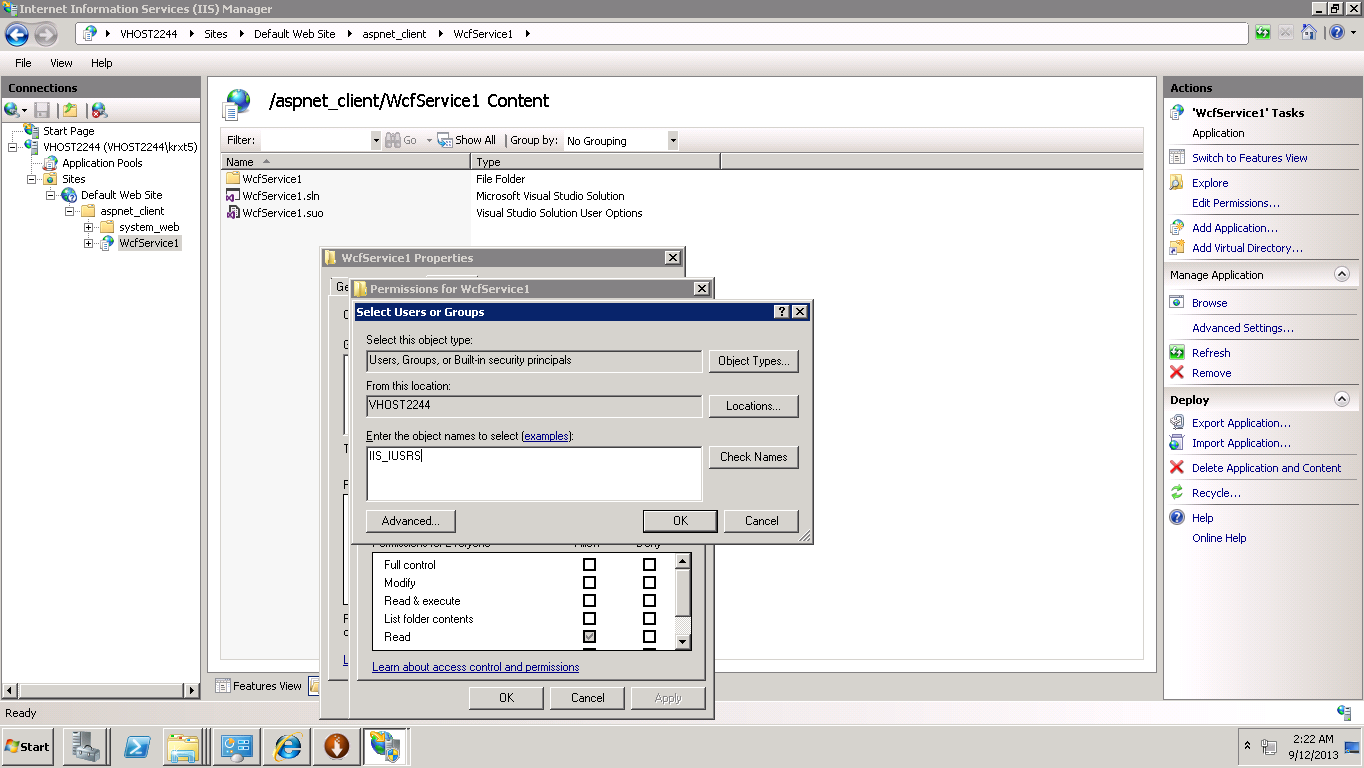


Upload the WCF service file into the IIS and convert the wcf service into an application.

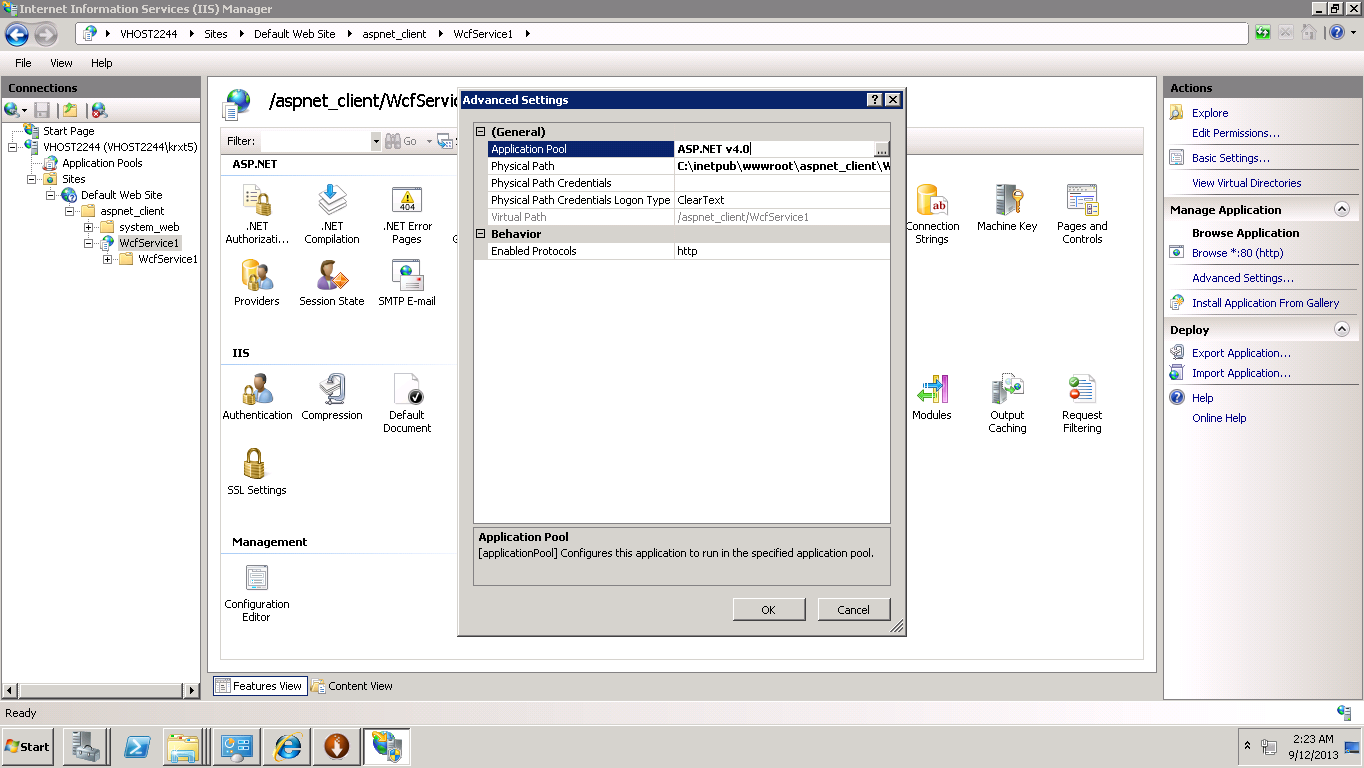


Create another User as IIS\_IUSRS and give the Full Control Access.

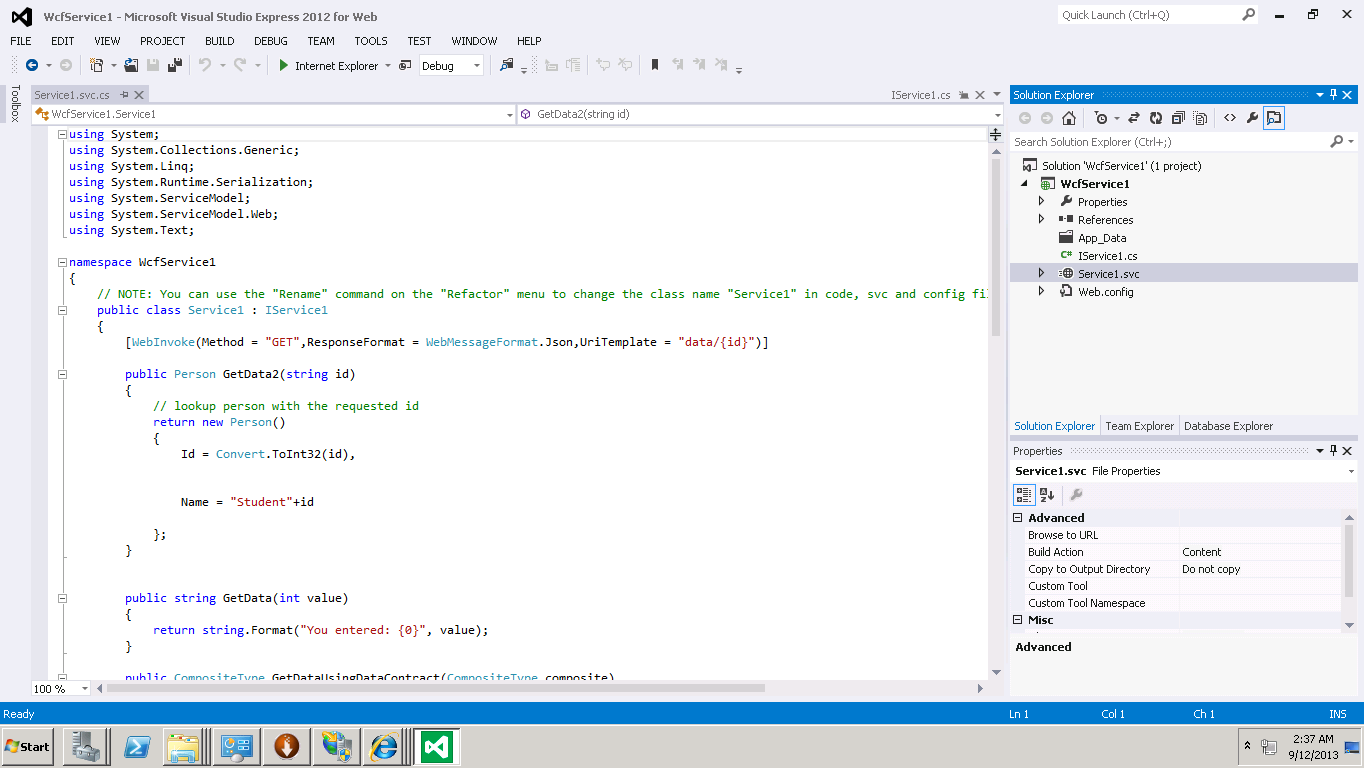




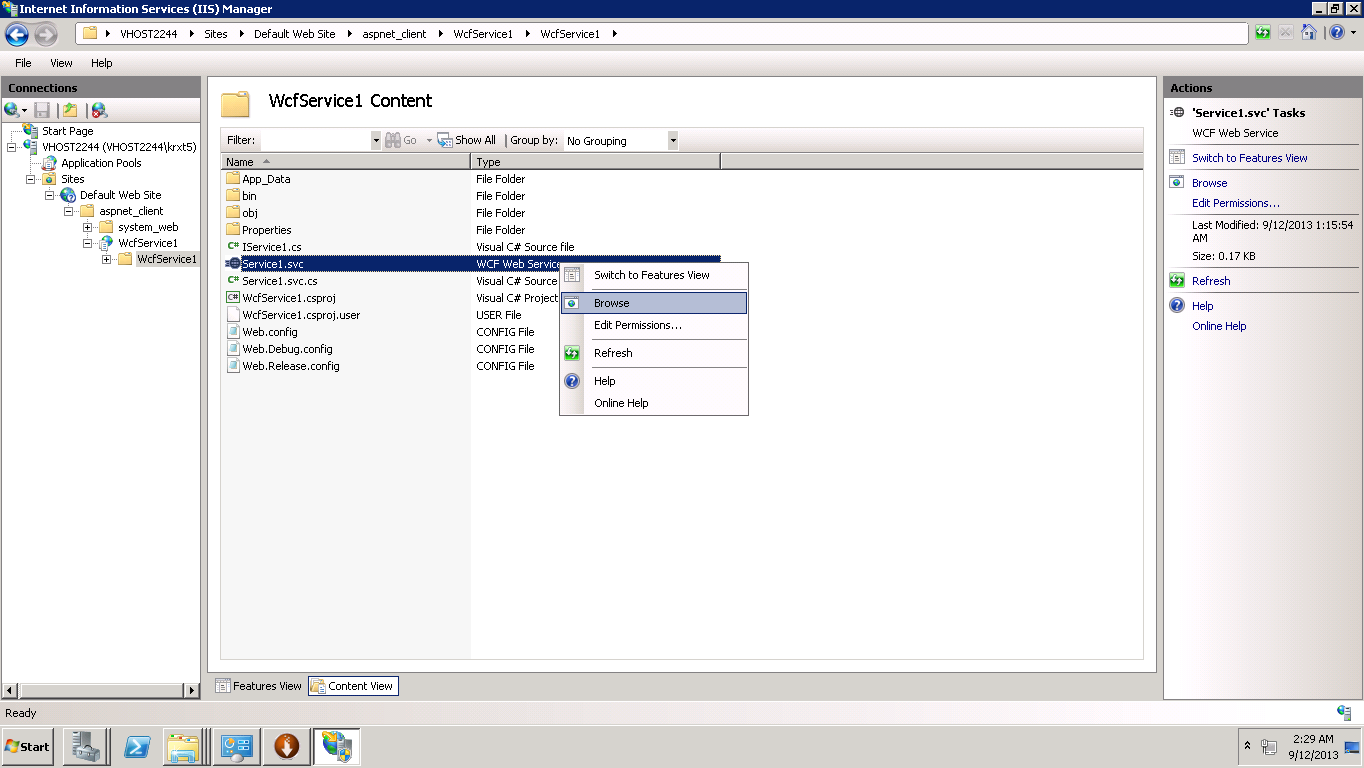
Change the service from default to ASP.NET v4.0



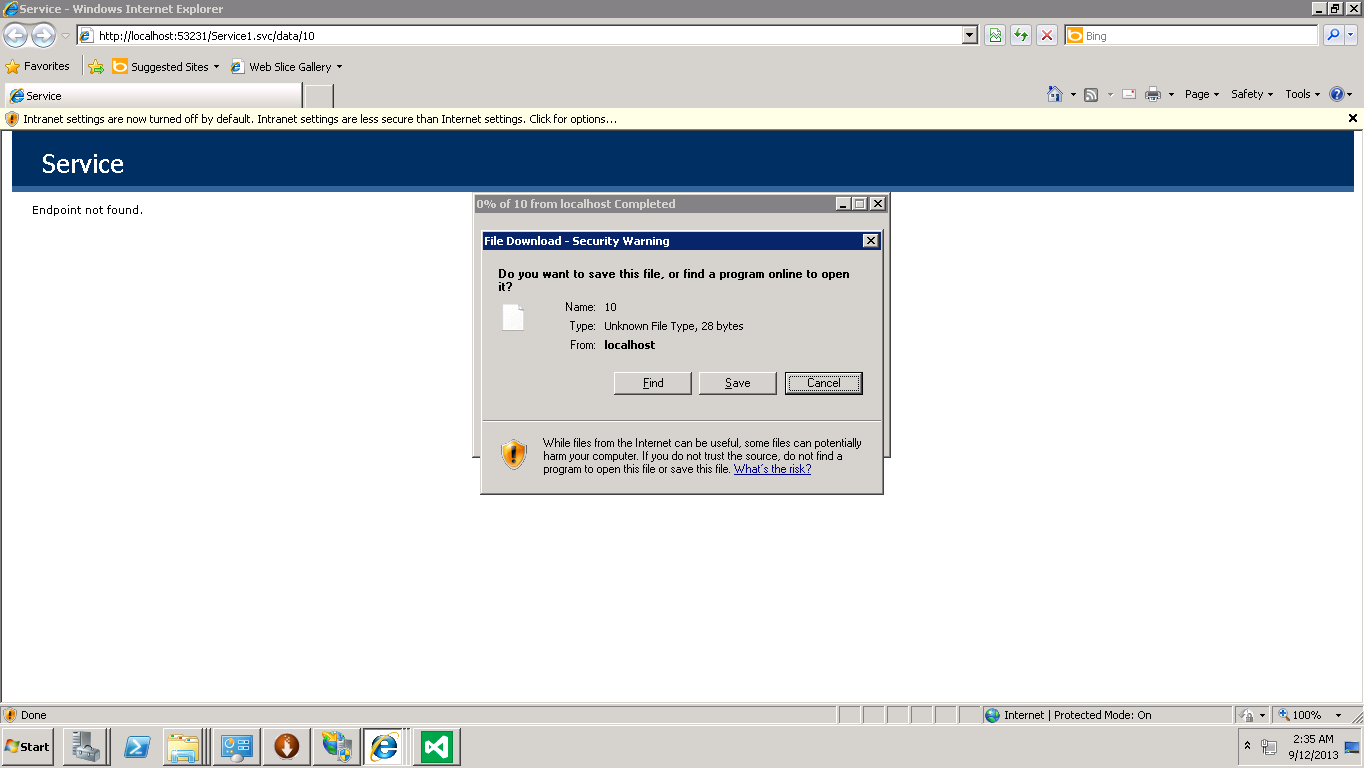
Open the Microsoft Visual Studio and import the project.

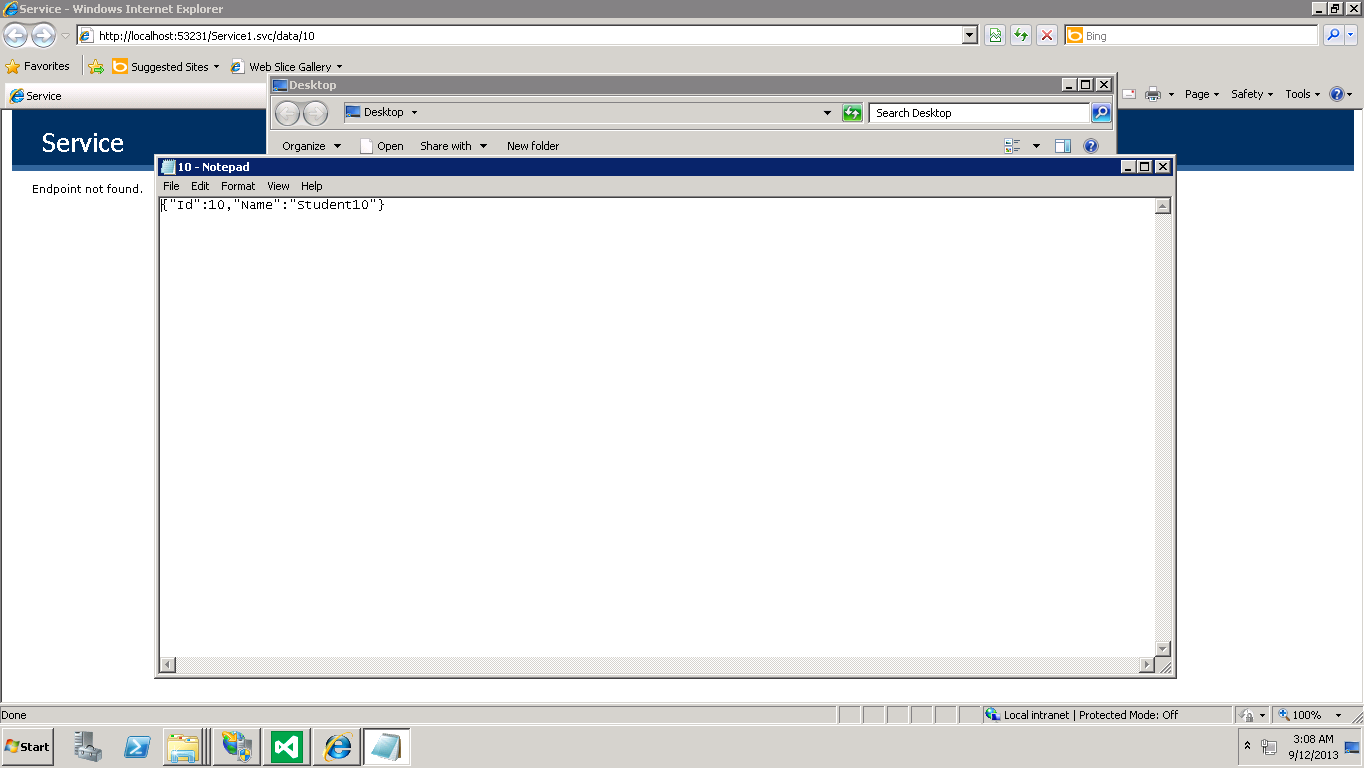


Right Click the Service1.svc file and select the browse option.



A json file will be downloaded in IE Browser.





The above application can also be opened in the local machine.

Change the "local host" in the URL to the real hostname.

http:// vhost2244.site1.compute.ihost.com:53231/Service1.svc/data/10