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Article

Azure WebApps - A Complete Walk Through It

By **Abdul Rasheed Feroz Khan** on **Jul 28 2017**

Overview

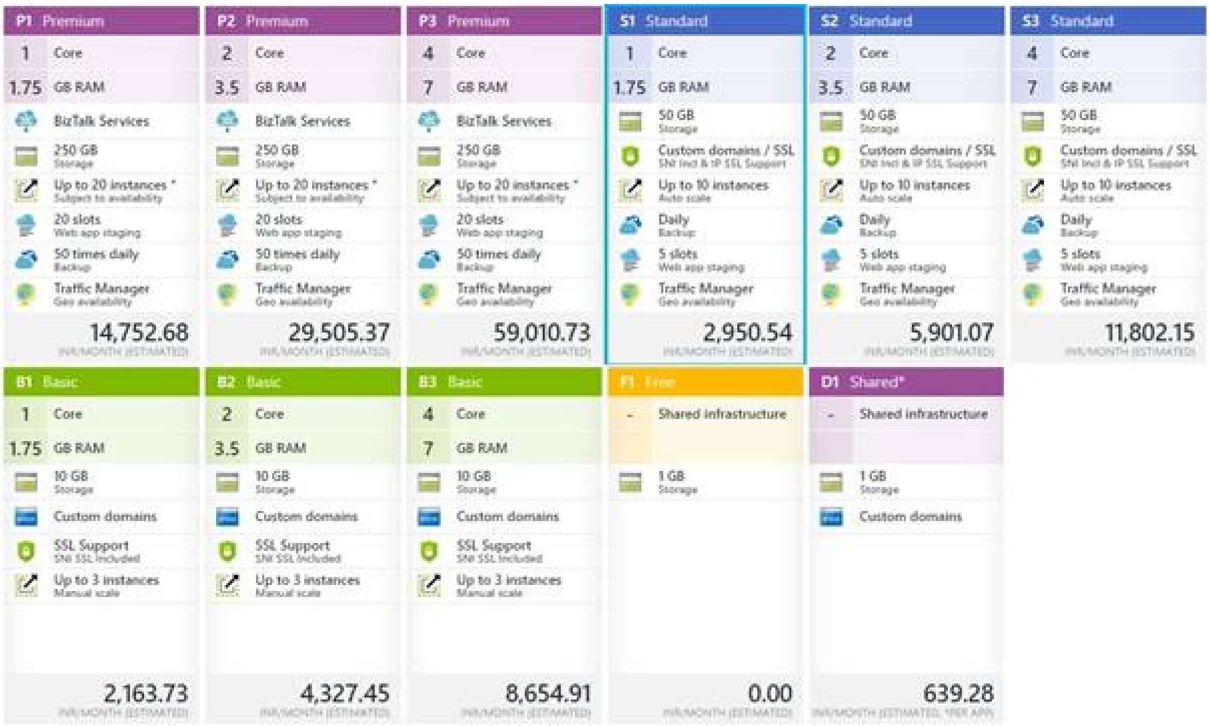
This article is about Azure Web Apps which is one of the services from Azure App Service. Azure Web Apps is a complete computing platform from Microsoft Azure which helps us to host, manage, create slots, go with Traffic Manager and many more flexible options to make web apps easier for the client and developer.

Web Apps is available on Microsoft Azure and is available as a resource on shared or a dedicated Virtual Machine (VM). Web Apps also falls on the App Service Plan and it is supported by multiple app languages or frameworks, such as ASP.NET, Node.js, Java, PHP, and Python. Web Apps also supports us to go with the existing tools like Visual Studio, FTP, etc., it helps us with the simple Azure AD Integration, ISO, SOC2, PCI Complaint. Azure Web Apps also comes with helping the client by having their application deployed in a region close to them and run pure computing jobs on a scheduler or as a trigger.

Let's understand few terminologies of Azure App Services now

Azure App Service is an integrated cloud app platform for developing modern enterprise apps across cloud and mobile devices. An App Service Environment is a Premium service plan option of Azure App Service that provides a fully isolated and dedicated environment for securely running Azure App Service apps at high scale, including Web Apps, Mobile Apps, and API Apps. We have different App Service Plans, such as Basic, Shared, Standard and Premium which support different features like Instance, Slots, Core of machine, Storage, SSL, Custom Domains, Traffic Manager, Backup and BizTalk Services. Please surf for the below image to understand about the different App Service Plans tier, which specifies the cost plans too. It also supports us with deploying the App Services with the nearest region which is close to us as Microsoft Azure offers us with 34 regions across the globe.

Azure Resource Groups (RGs) Azure Resource Groups are logical containers that can span regions used to contain resources into groups that share a common life cycle. Resource Groups can hold Virtual Machines (VM's), NIC's, Storage, WebApps, SQL and Virtual Networks. Each and every resource that is available on Azure is tagged with a Resource Group. RGs can help the developers with RBAC (Role Based Access Control), it can help us with deployment under a RG using Powershell, Visual Studio, Azure Portal, etc., It's not mandatory that all the resources should be available within a same RG which should follow the same life cycle as such, it all depends upon the developer or administrator.



P1 Premium	P2 Premium	P3 Premium	S1 Standard	S2 Standard	S3 Standard
1 Core	2 Core	4 Core	1 Core	2 Core	4 Core
1.75 GB RAM	3.5 GB RAM	7 GB RAM	1.75 GB RAM	3.5 GB RAM	7 GB RAM
BizTalk Services	BizTalk Services	BizTalk Services	50 GB Storage	50 GB Storage	50 GB Storage
250 GB Storage	250 GB Storage	250 GB Storage	Custom domains / SSL SNI Incl & IP SSL Support	Custom domains / SSL SNI Incl & IP SSL Support	Custom domains / SSL SNI Incl & IP SSL Support
Up to 20 instances * Subject to availability	Up to 20 instances * Subject to availability	Up to 20 instances * Subject to availability	Up to 10 instances Auto scale	Up to 10 instances Auto scale	Up to 10 instances Auto scale
20 slots Web app staging	20 slots Web app staging	20 slots Web app staging	Daily Backup	Daily Backup	Daily Backup
50 times daily Backup	50 times daily Backup	50 times daily Backup	5 slots Web app staging	5 slots Web app staging	5 slots Web app staging
Traffic Manager Geo availability	Traffic Manager Geo availability	Traffic Manager Geo availability	Traffic Manager Geo availability	Traffic Manager Geo availability	Traffic Manager Geo availability
14,752.68 INR/MONTH (ESTIMATED)	29,505.37 INR/MONTH (ESTIMATED)	59,010.73 INR/MONTH (ESTIMATED)	2,950.54 INR/MONTH (ESTIMATED)	5,901.07 INR/MONTH (ESTIMATED)	11,802.15 INR/MONTH (ESTIMATED)

B1 Basic	B2 Basic	B3 Basic	F1 Free	D1 Shared*
1 Core	2 Core	4 Core	- Shared infrastructure	- Shared infrastructure
1.75 GB RAM	3.5 GB RAM	7 GB RAM		
10 GB Storage	10 GB Storage	10 GB Storage	1 GB Storage	1 GB Storage
Custom domains	Custom domains	Custom domains		Custom domains
SSL Support SNI SSL Included	SSL Support SNI SSL Included	SSL Support SNI SSL Included		
Up to 3 instances Manual scale	Up to 3 instances Manual scale	Up to 3 instances Manual scale		
2,163.73 INR/MONTH (ESTIMATED)	4,327.45 INR/MONTH (ESTIMATED)	8,654.91 INR/MONTH (ESTIMATED)	0.00 INR/MONTH (ESTIMATED)	639.28 INR/MONTH (ESTIMATED, 1PER APP)

Let's work with the following exercises now.

- Exercise 1 Creating a Web App from the Azure Portal and understanding the features.
- Exercise 2 Hosting a Web App using File Explorer.
- Exercise 3 Creating a Slot from Azure Portal.
- Exercise 4 Hosting a Web App from GitHub.
- Exercise 5 Swap using Deployment Slots.

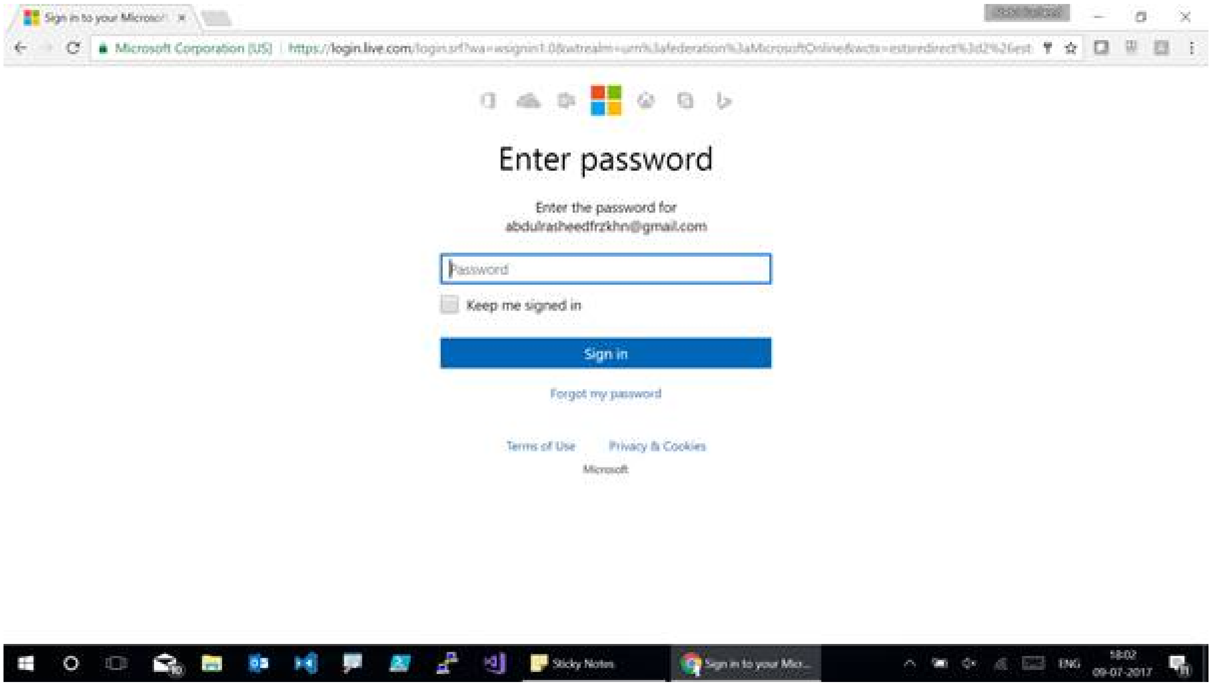
Exercise 1 - Creating a Web App from the Azure Portal and understanding the features.

Follow the below steps to create a Web App from Azure Portal.

Step 1

Login to Azure Portal using this URL - *https://portal.azure.com/*

Note - if you don’t have an Azure account, get a temporary free trial subscription of free tier from here.

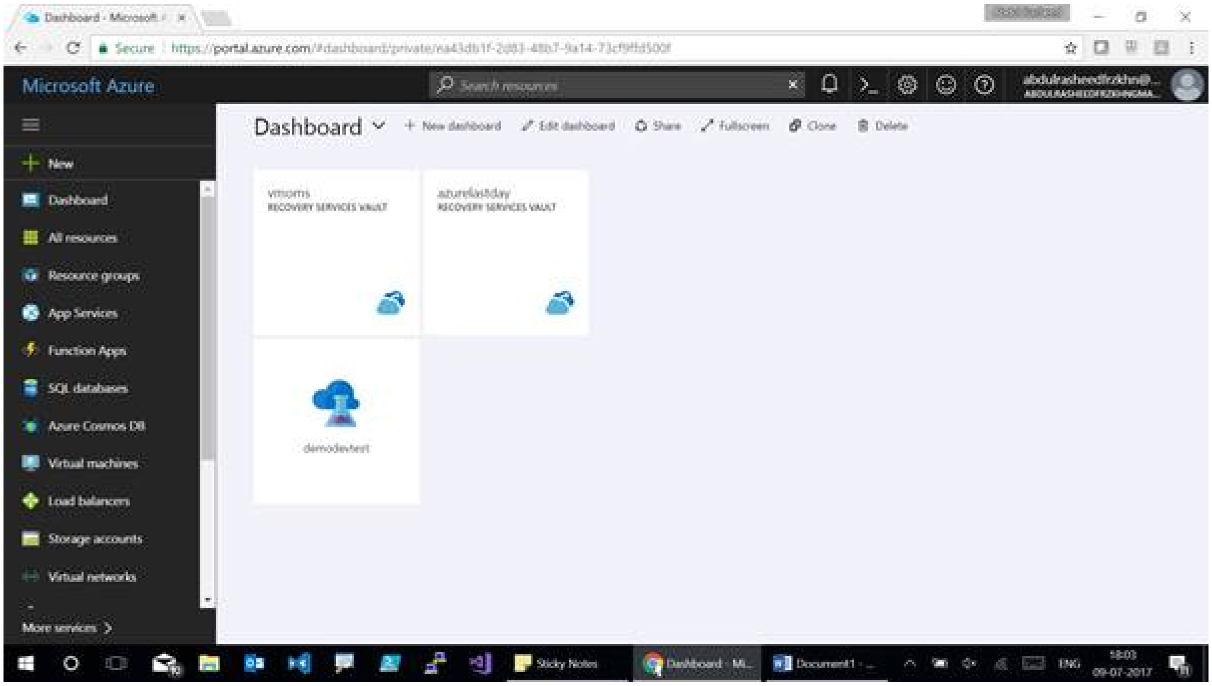


Enter password

Enter the password for abdulrasheedfrzkhn@gmail.com

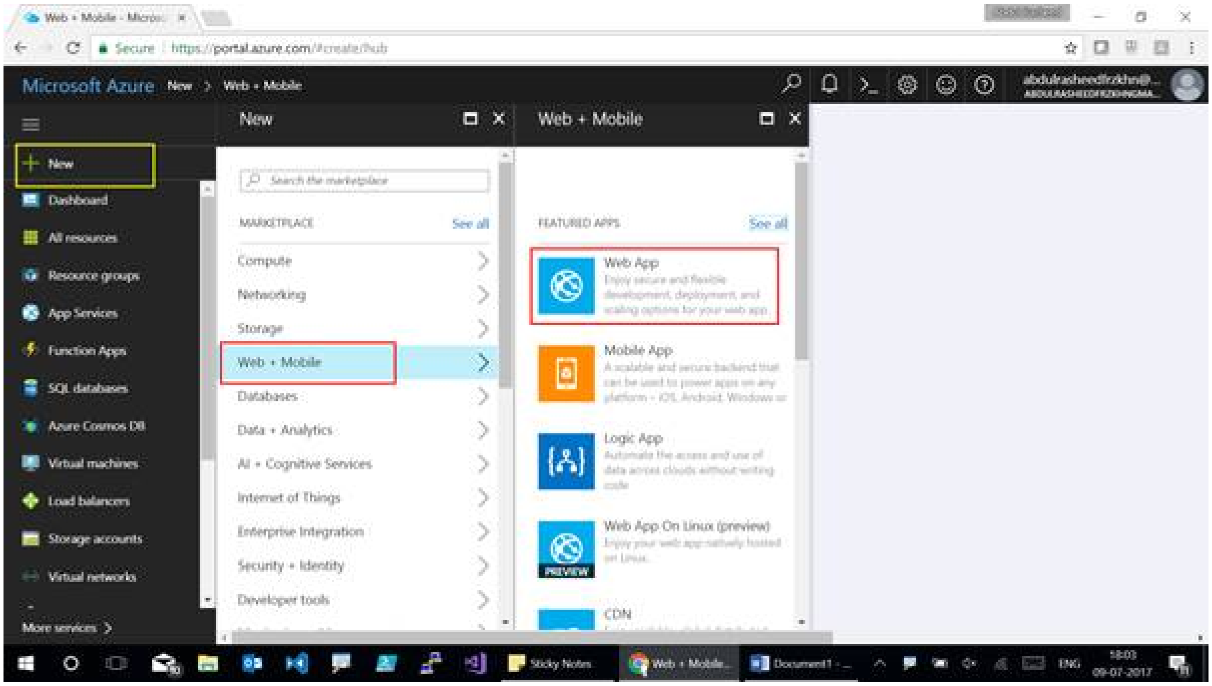
Sign in to your Microsoft
https://login.live.com/login.srf?wa=wsignin1.0&wtrealm=urn%3afederation%3aMicrosoftOnline&wctx=estsredirect%3d2%26est
Password
Keep me signed in
Sign in
Forgot my password
Terms of Use
Privacy & Cookies
Microsoft
Sticky Notes
Sign in to your Micr...
ENG
18:02
09-07-2017

Here is how your Azure Portal looks like.



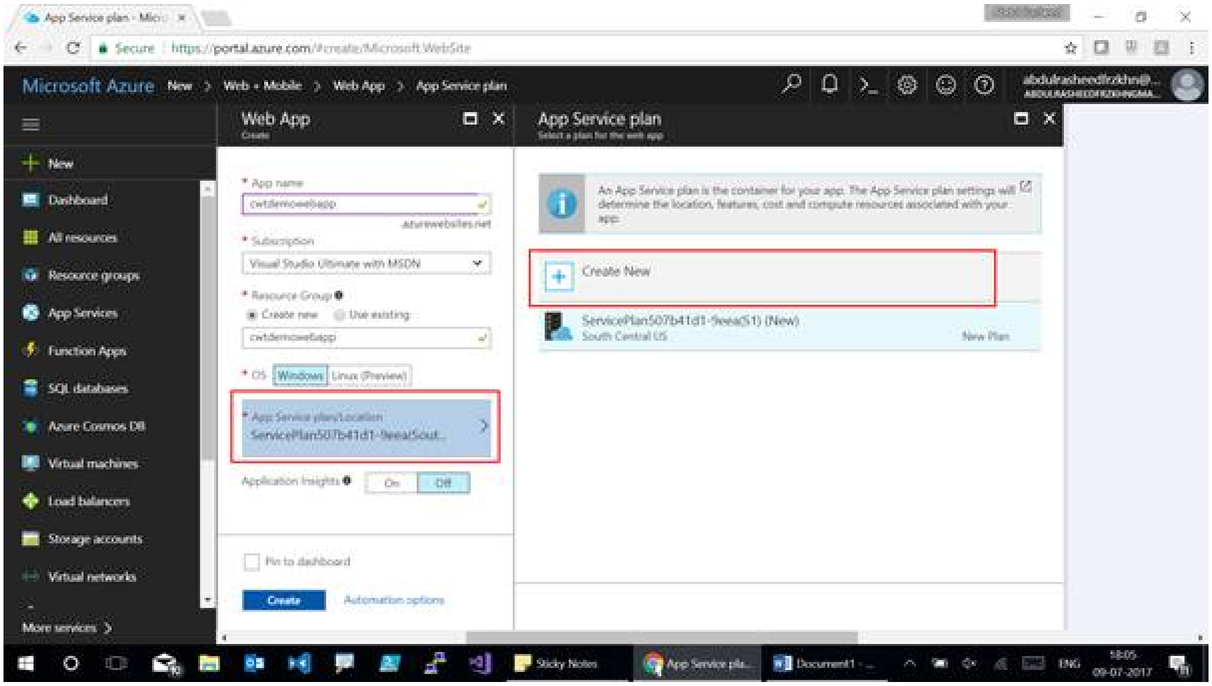
Step 2

Click on New - Web + Mobile - Web App to create a Web App.



Create the Web App by configuring the below details,

- App name: Name the webapp here; we have named it as cwtdemowebapp.
- Subscription Select the subscription which you have for your Azure account.
- Resource Group (RG) Create a new Resource group or tag the resource of a web app towards an already existing one which will share the same life cycle.
- OS Select Windows or Linux in which you wish to host your Web App has to be deployed, here we have selected OS as Windows.
- App Service Plan/Location Click on the App Service Plan/Location - Create New.


Web App
Create

* App name: cwtdemowebapp .azurewebsites.net

* Subscription: Visual Studio Ultimate with MSDN

* Resource Group: ● Create new ○ Use existing — cwtdemowebapp

* OS: Windows | Linux (Preview)

* App Service plan/Location: ServicePlan507b41d1-9eea(Sout...

Application Insights: On | Off

App Service plan
Select a plan for the web app

An App Service plan is the container for your app. The App Service plan settings will determine the location, features, cost and compute resources associated with your app.

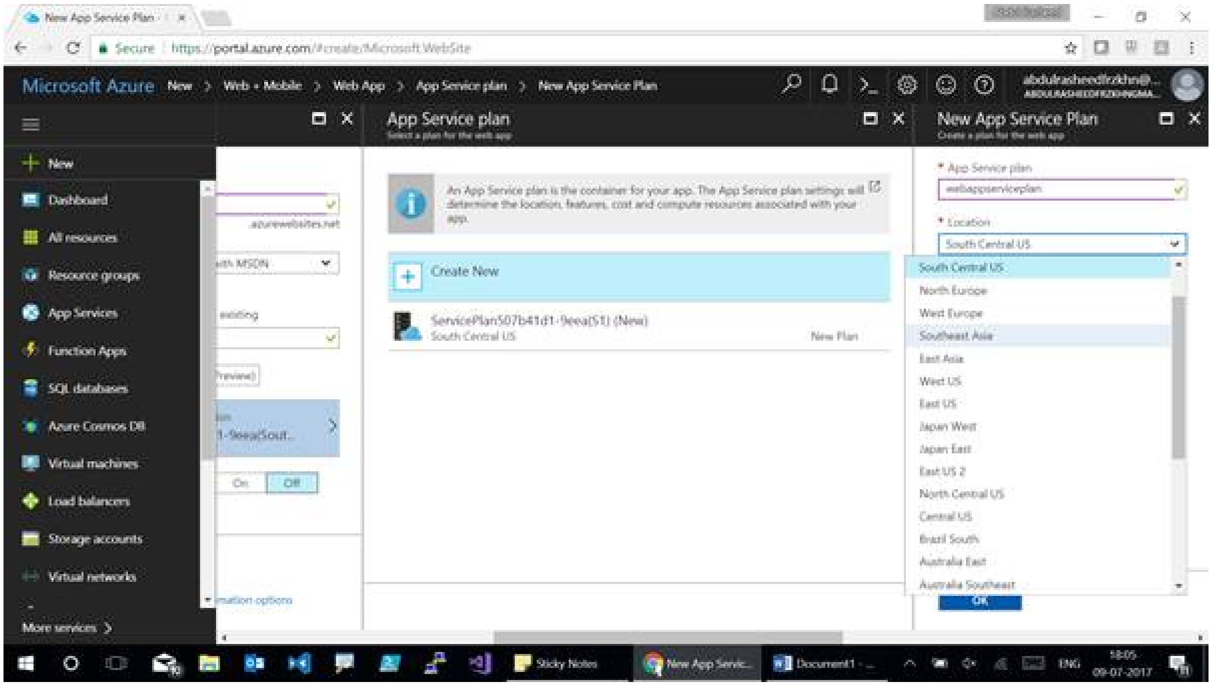
ServicePlan507b41d1-9eea(S1) (New) South Central US New Plan

Microsoft Azure New > Web + Mobile > Web App > App Service plan
Create New
□ Pin to dashboard
Create
Automation options

New App Service Plan - Name the new App Service Plan webappserviceplan

Location - Choose the location of your choice; I have chosen South East Asia

Pricing Tier - S1 Standard



An App Service plan is the container for your app. The App Service plan settings will determine the location, features, cost and compute resources associated with your app.

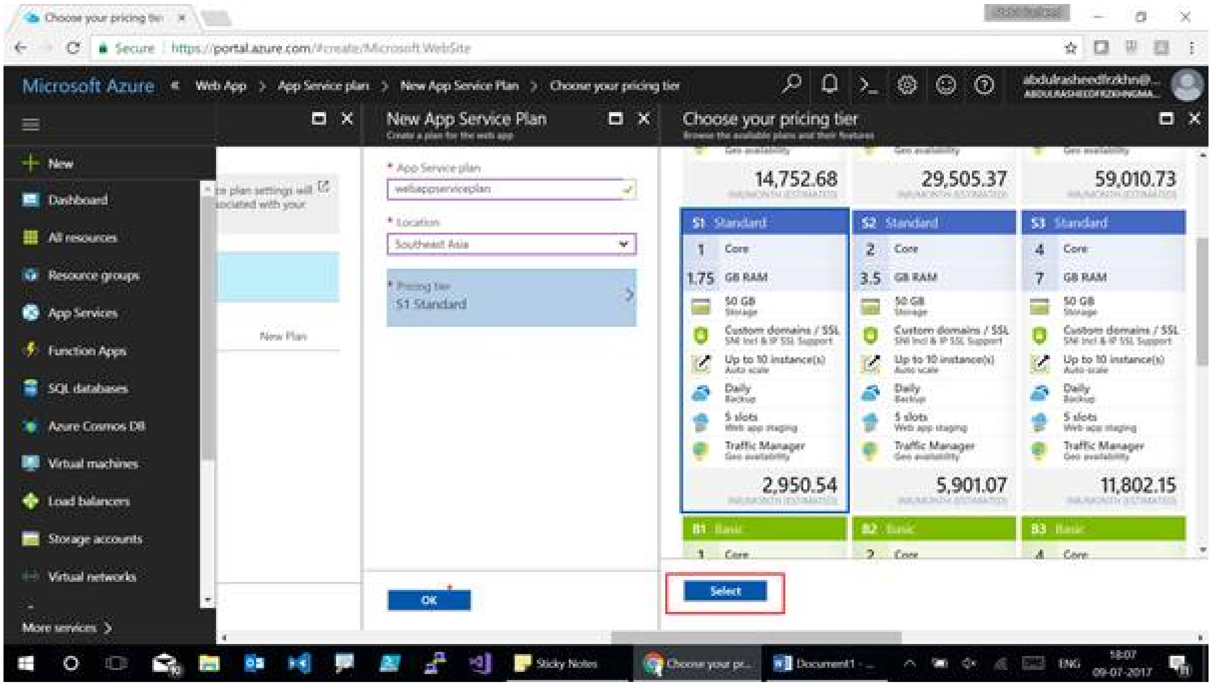
ServicePlan507b41d1-9eea(S1) (New)
South Central US
New Plan

* App Service plan: webappserviceplan

* Location: South Central US

South Central US
North Europe
West Europe
Southeast Asia
East Asia
West US
East US
Japan West
Japan East
East US 2
North Central US
Central US
Brazil South
Australia East
Australia Southeast

Click on “Select” to select the specified App Service Pricing Tier.



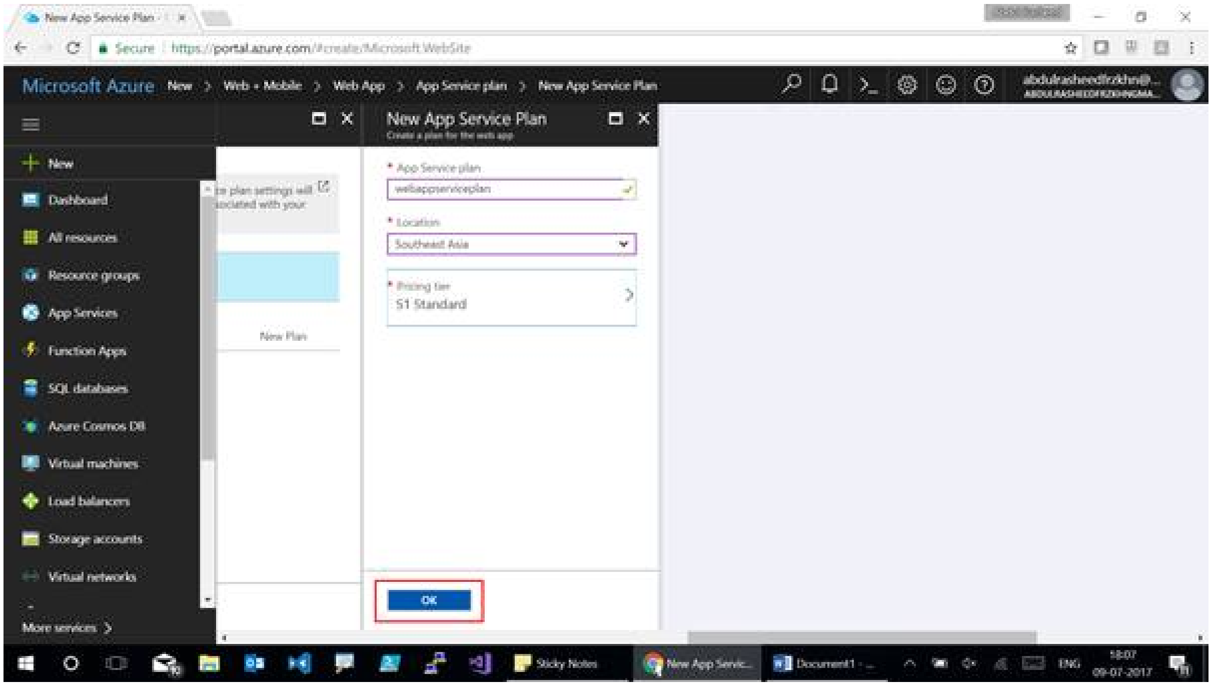
* App Service plan: webappserviceplan

* Location: Southeast Asia

* Pricing tier: S1 Standard

S1 Standard	S2 Standard	S3 Standard
1 Core	2 Core	4 Core
1.75 GB RAM	3.5 GB RAM	7 GB RAM
50 GB Storage	50 GB Storage	50 GB Storage
Custom domains / SSL SNI Incl & IP SSL Support	Custom domains / SSL SNI Incl & IP SSL Support	Custom domains / SSL SNI Incl & IP SSL Support
Up to 10 instance(s) Auto scale	Up to 10 instance(s) Auto scale	Up to 10 instance(s) Auto scale
Daily Backup	Daily Backup	Daily Backup
5 slots Web app staging	5 slots Web app staging	5 slots Web app staging
Traffic Manager Geo availability	Traffic Manager Geo availability	Traffic Manager Geo availability
2,950.54 INR/MONTH (ESTIMATED)	5,901.07 INR/MONTH (ESTIMATED)	11,802.15 INR/MONTH (ESTIMATED)

Click on “OK” after configuring the New App Service Plan.



New App Service Plan

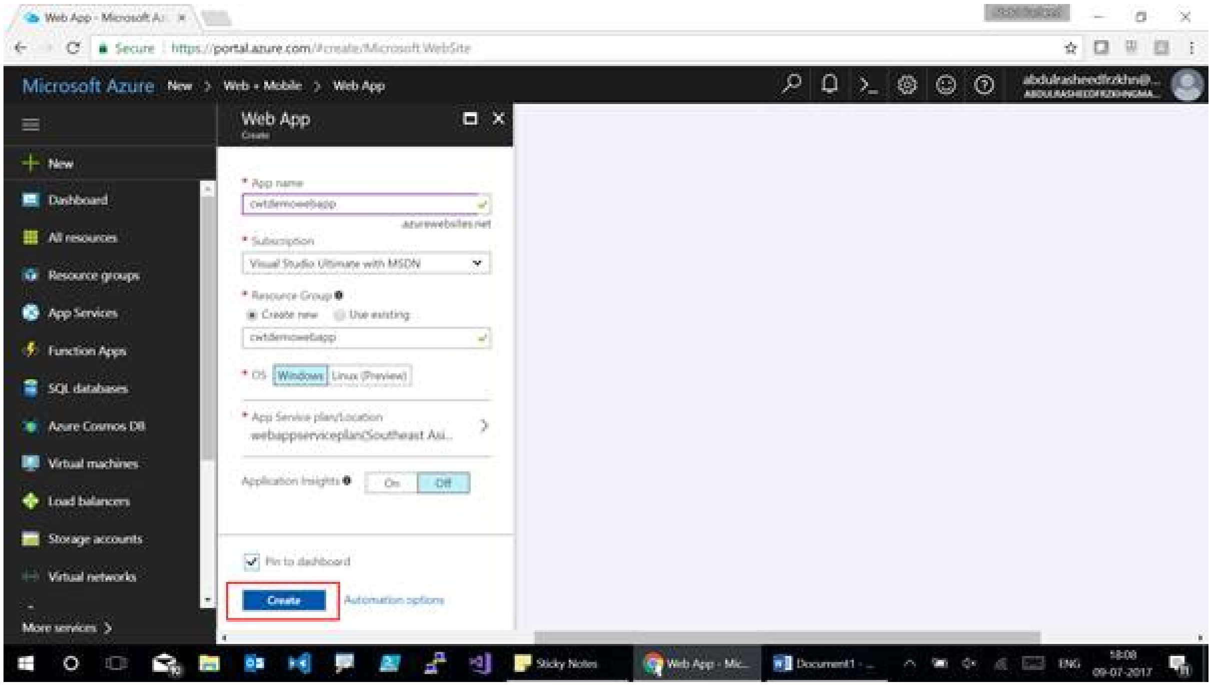
Create a plan for the web app

* App Service plan: webappserviceplan

* Location: Southeast Asia

* Pricing tier: S1 Standard

Now click on “Create” to create the WebApp.



Web App

Create

* App name: cwtdemowebapp .azurewebsites.net

* Subscription: Visual Studio Ultimate with MSDN

* Resource Group: ● Create new ○ Use existing — cwtdemowebapp

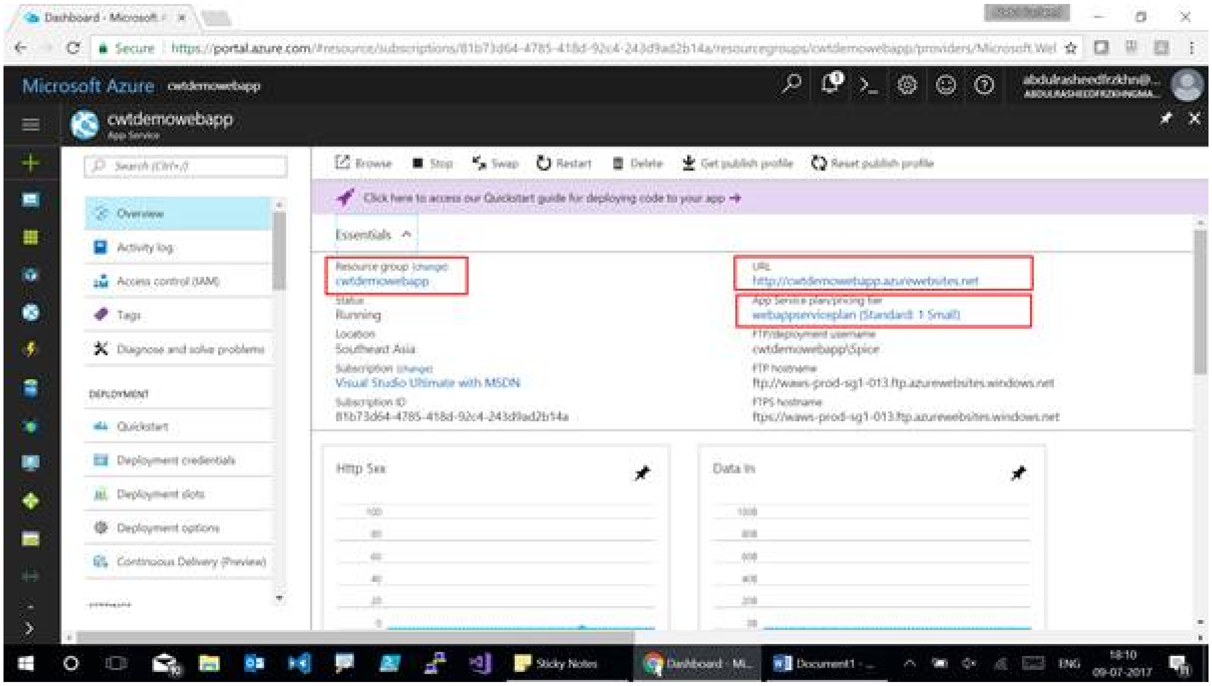
* OS: Windows | Linux (Preview) — Windows

* App Service plan/Location: webappserviceplan(Southeast Asi...

Application Insights: On | Off — Off

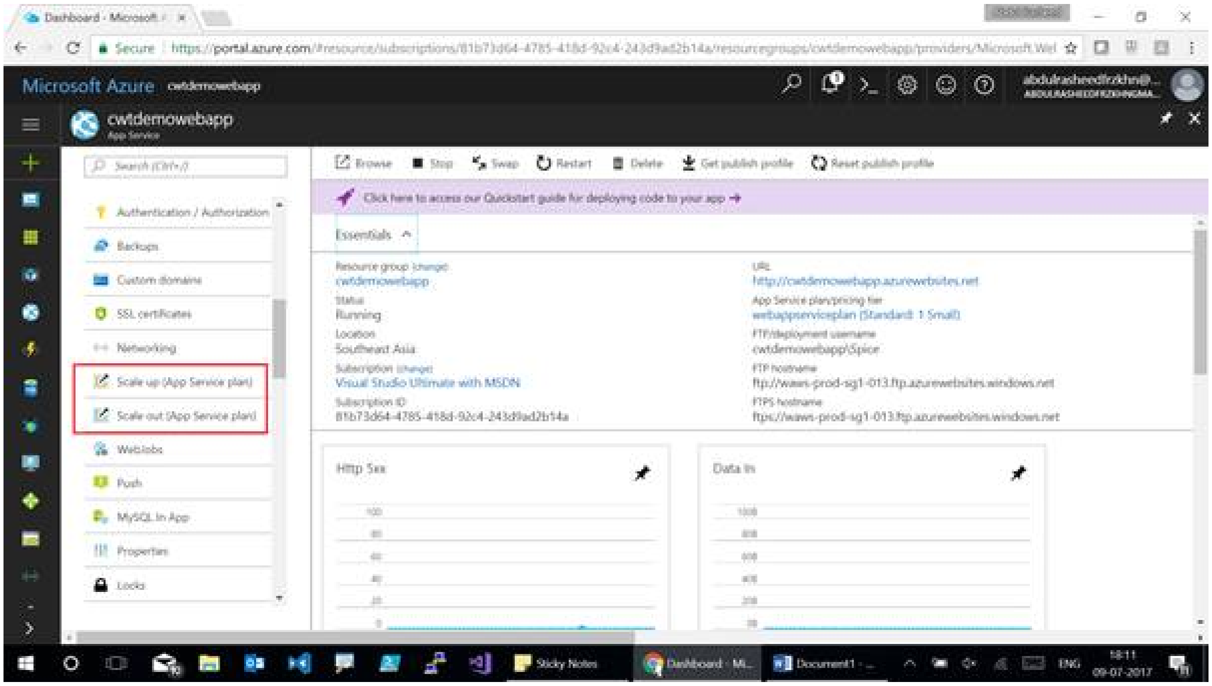
☑ Pin to dashboard

Here goes the WebApp created, you can also find the Resource Group name, URL of the WebApp and App Service Plan configured on the Overview blade of the WebApp created.



Resource group (change)
cwtdemowebapp
Status
Running
Location
Southeast Asia
Subscription (change)
Visual Studio Ultimate with MSDN
Subscription ID
81b73d64-4785-418d-92c4-243d9ad2b14a
URL
http://cwtdemowebapp.azurewebsites.net
App Service plan/pricing tier
webappserviceplan (Standard: 1 Small)
FTP/deployment username
cwtdemowebapp\Spice
FTP hostname
ftp://waws-prod-sg1-013.ftp.azurewebsites.windows.net
FTPS hostname
ftps://waws-prod-sg1-013.ftp.azurewebsites.windows.net

You also have a feature of scaling in and scaling out with the App Service Tier which you have specified now. You can always scale in and scale out depending upon the needs of your webapp with the help of these features.



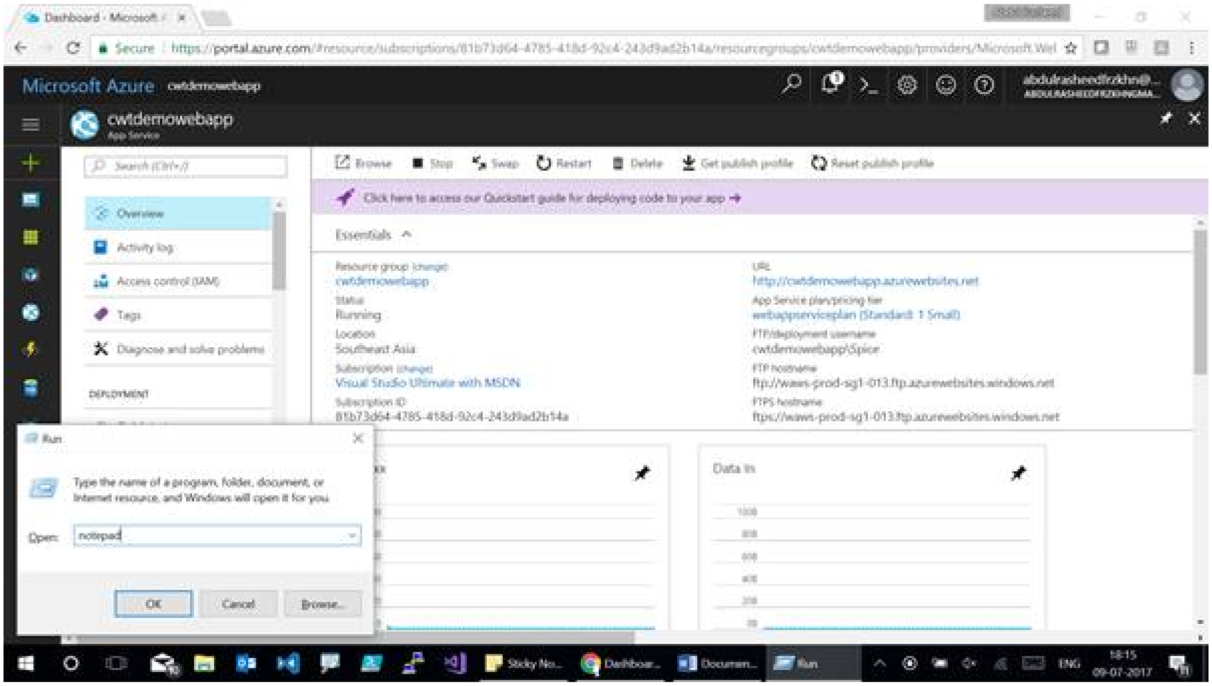
Resource group (change)
cwtdemowebapp
Status
Running
Location
Southeast Asia
Subscription (change)
Visual Studio Ultimate with MSDN
Subscription ID
81b73d64-4785-418d-92c4-243d9ad2b14a
URL
http://cwtdemowebapp.azurewebsites.net
App Service plan/pricing tier
webappserviceplan (Standard: 1 Small)
FTP/deployment username
cwtdemowebapp\Spice
FTP hostname
ftp://waws-prod-sg1-013.ftp.azurewebsites.windows.net
FTPS hostname
ftps://waws-prod-sg1-013.ftp.azurewebsites.windows.net

Exercise 2 Hosting a Web App using File Explorer

Follow the below create an HTML file and to host it using a File Explorer,

Step 3

Open Notepad on your machine and create a HTML file. Run - notepad.



Click here to access our Quickstart guide for deploying code to your app →

Resource group (change)
cwtdemowebapp
Status
Running
Location
Southeast Asia
Subscription (change)
Visual Studio Ultimate with MSDN
Subscription ID
81b73d64-4785-418d-92c4-243d9ad2b14a

URL
http://cwtdemowebapp.azurewebsites.net
App Service plan/pricing tier
webappserviceplan (Standard: 1 Small)
FTP/deployment username
cwtdemowebapp\Spice
FTP hostname
ftp://waws-prod-sg1-013.ftp.azurewebsites.windows.net
FTPS hostname
ftps://waws-prod-sg1-013.ftp.azurewebsites.windows.net

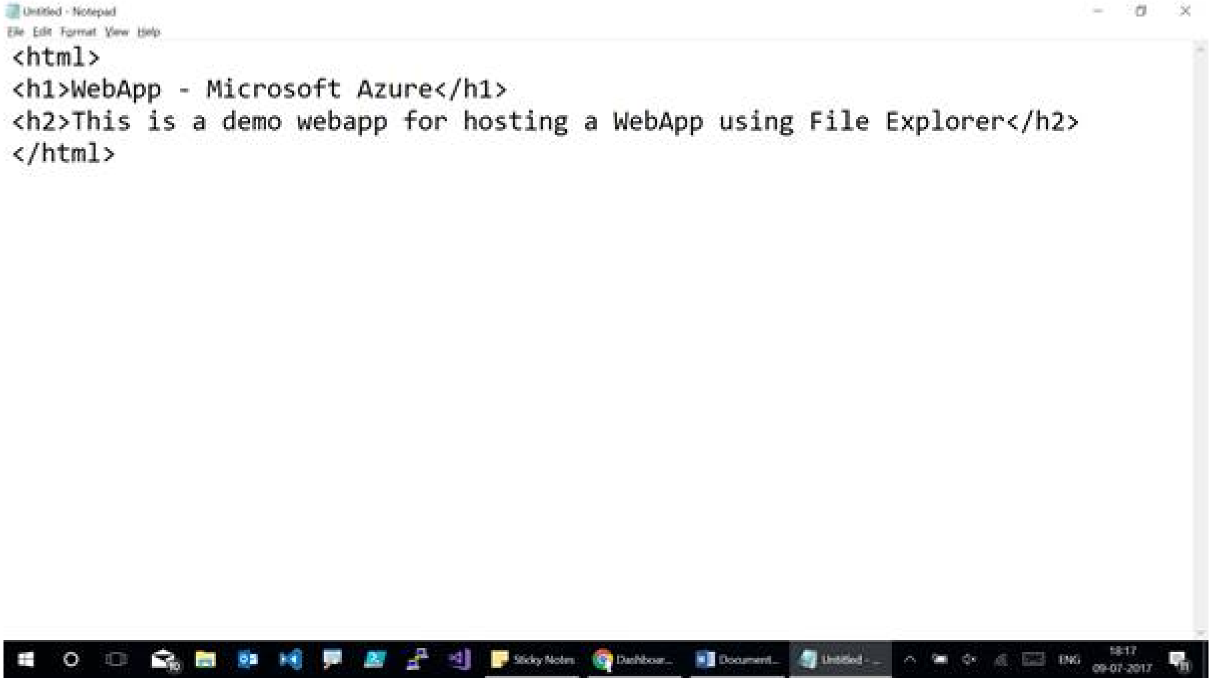
Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.

Open: notepad

Copy the below HTML code to create a basic webapp.

Index.html

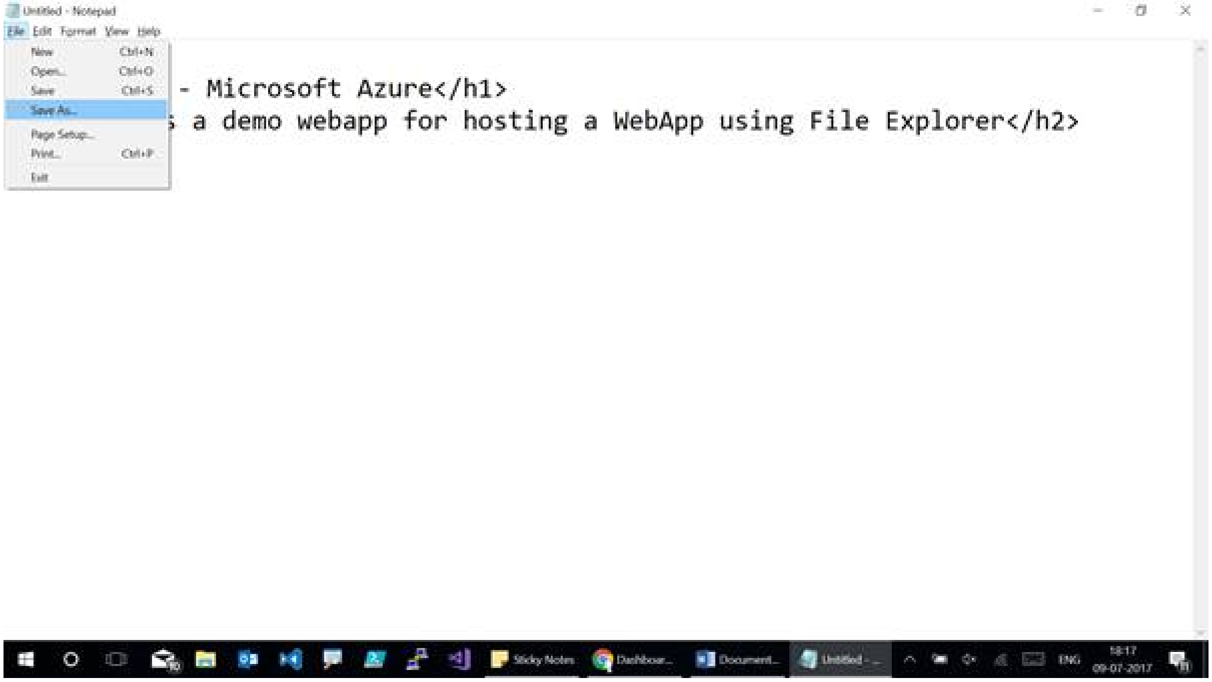
```
<html>
   <h1>WebApp - Microsoft Azure</h1>
   <h2>This is a demo webapp for hosting a WebApp using File Explorer</h2>

</html>
```



```
<html>
<h1>WebApp - Microsoft Azure</h1>
<h2>This is a demo webapp for hosting a WebApp using File Explorer</h2>
</html>
```

Save the notepad file as a HTML one using Save As with the format of HTML.

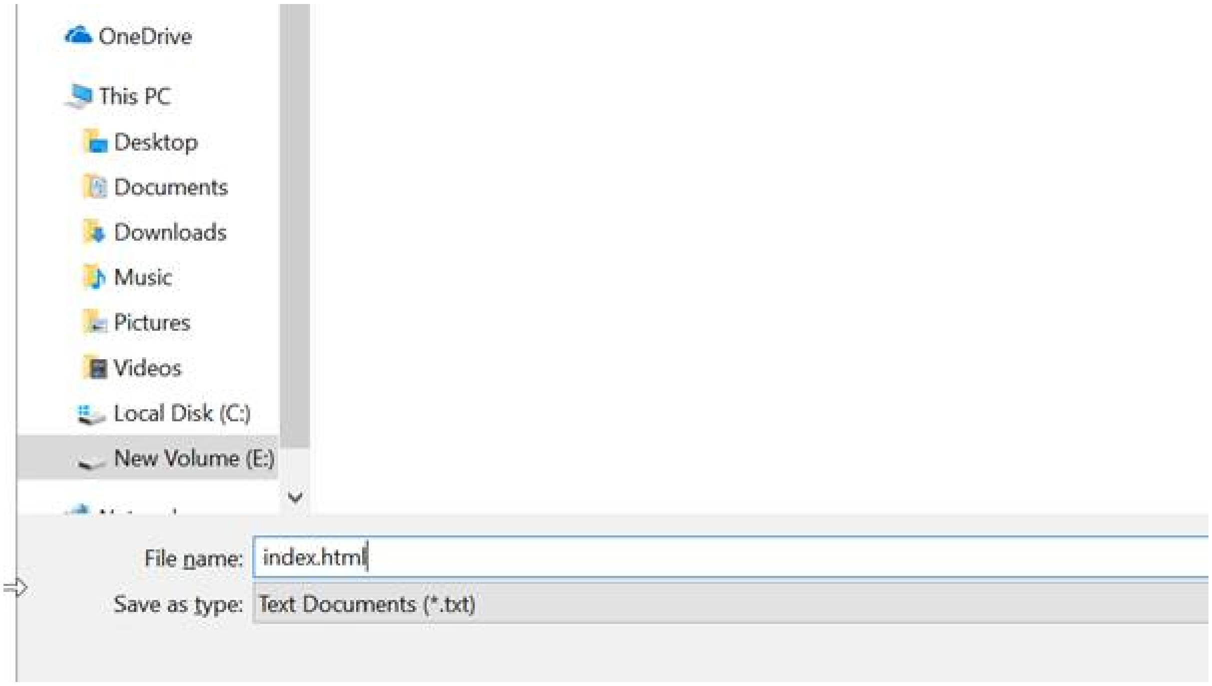
File - Save As



```
- Microsoft Azure</h1>
s a demo webapp for hosting a WebApp using File Explorer</h2>
```

Name the file with html extension to save.

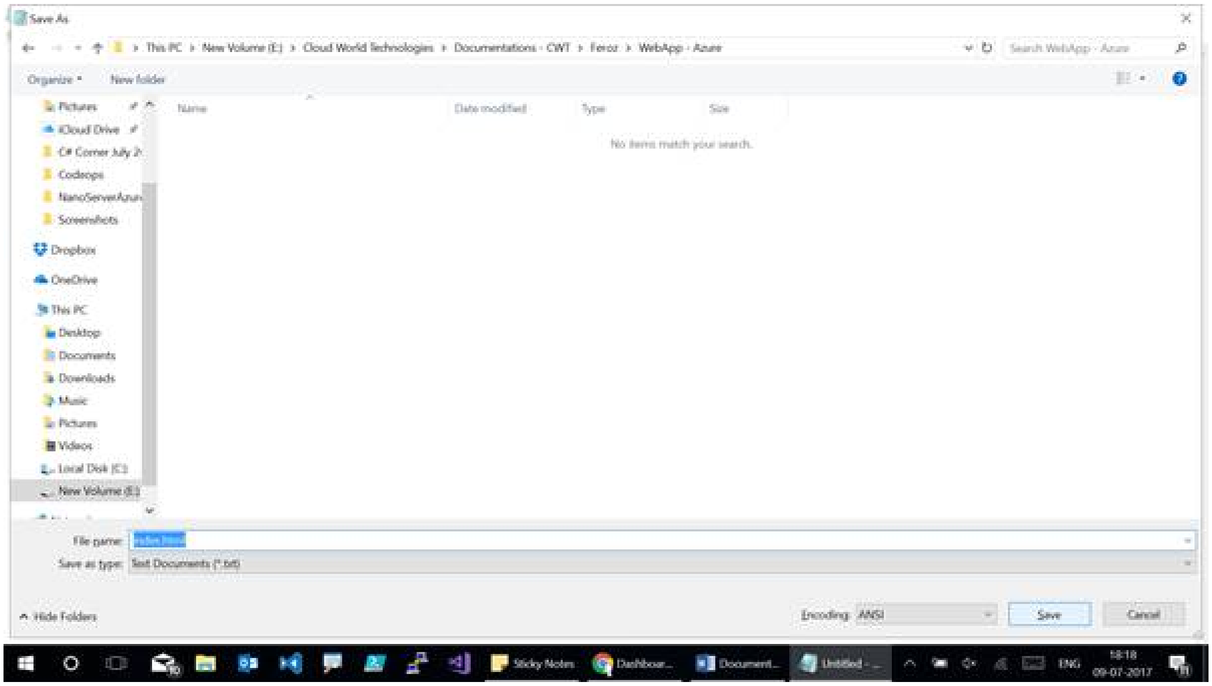
Name - index.html



File name: index.html

Save as type: Text Documents (*.txt)

Click on Save.


Save As
This PC › New Volume (E:) › Cloud World Technologies › Documentations - CWT › Feroz › WebApp - Azure
Organize ▾
New folder
Name
Date modified
Type
Size
No items match your search.
Hide Folders
Save
Cancel

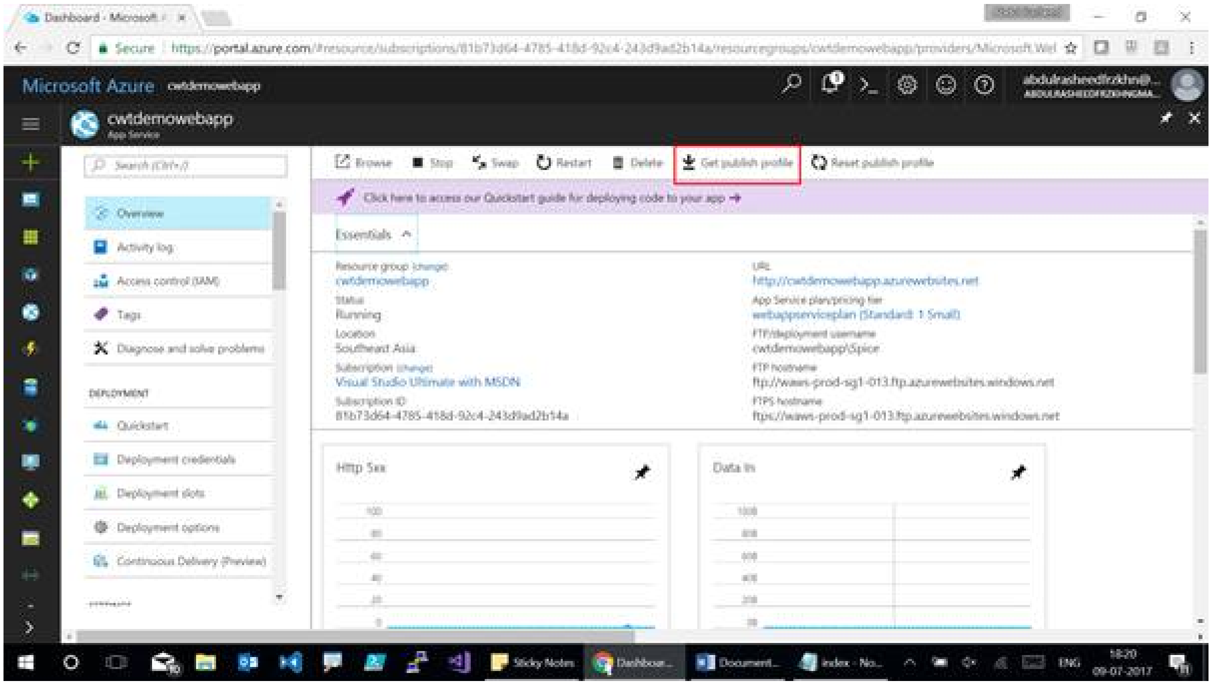
File name: index.html

Save as type: Text Documents (*.txt)

Encoding: ANSI

Step 4

Download the Publish Profile of your WebApp to get the FTP details of your WebApp, Click here at “Get Publish Profile” to download the publish profile.



Resource group: cwtdemowebapp

Status: Running

Location: Southeast Asia

Subscription: Visual Studio Ultimate with MSDN

Subscription ID: 81b73d64-4785-418d-92c4-243d9ad2b14a

URL: http://cwtdemowebapp.azurewebsites.net

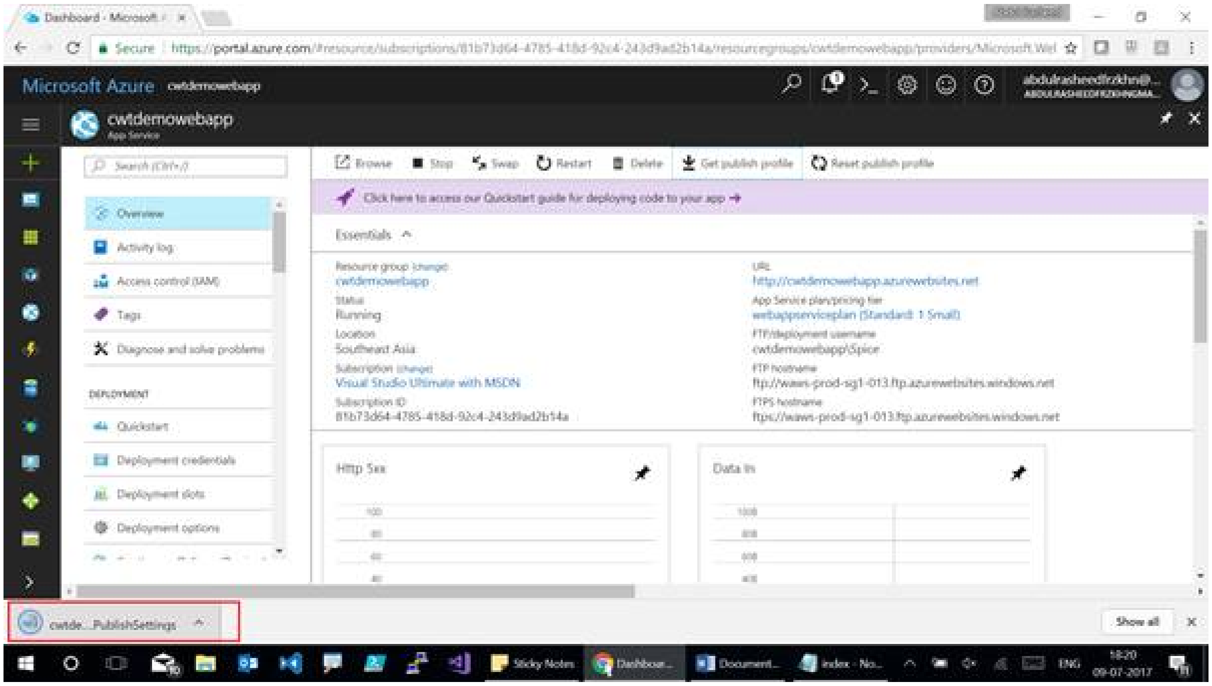
App Service plan/pricing tier: webappserviceplan (Standard: 1 Small)

FTP/deployment username: cwtdemowebapp\Spice

FTP hostname: ftp://waws-prod-sg1-013.ftp.azurewebsites.windows.net

FTPS hostname: ftps://waws-prod-sg1-013.ftp.azurewebsites.windows.net

Here at the downloads pane you can find the ftp file which is getting downloaded.



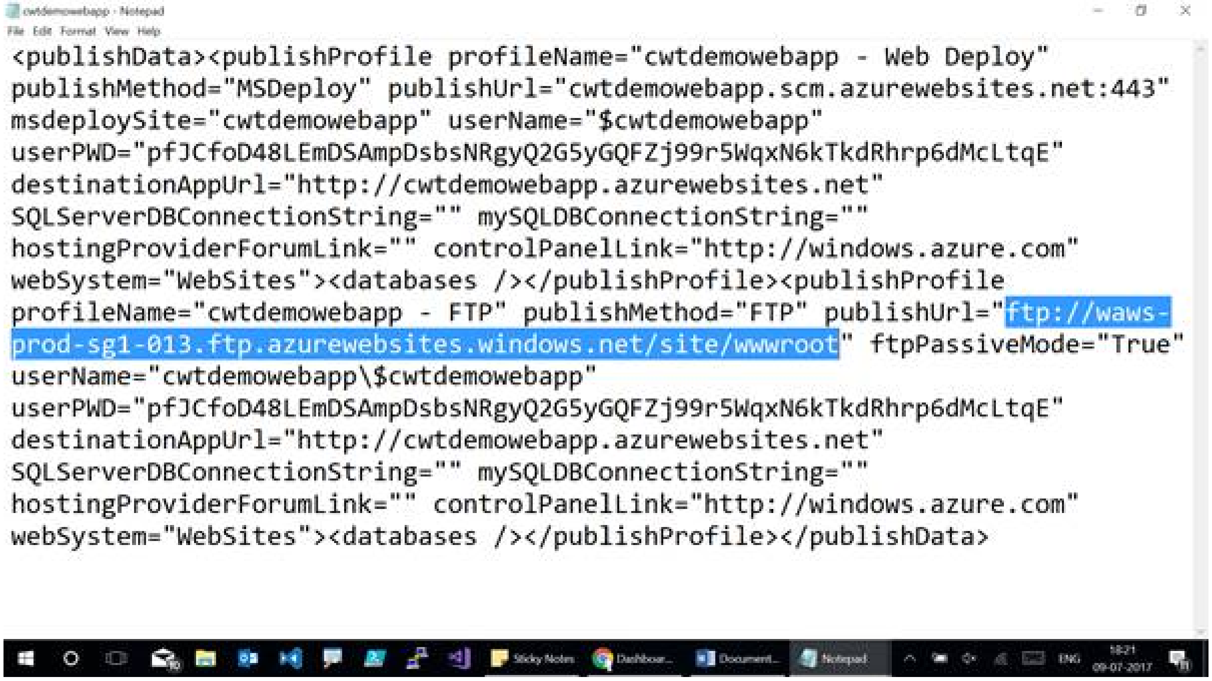
Essentials

Resource group (change)
cwtdemowebapp
Status
Running
Location
Southeast Asia
Subscription (change)
Visual Studio Ultimate with MSDN
Subscription ID
81b73d64-4785-418d-92c4-243d9ad2b14a

URL
http://cwtdemowebapp.azurewebsites.net
App Service plan/pricing tier
webappserviceplan (Standard: 1 Small)
FTP/deployment username
cwtdemowebapp\Spice
FTP hostname
ftp://waws-prod-sg1-013.ftp.azurewebsites.windows.net
FTPS hostname
ftps://waws-prod-sg1-013.ftp.azurewebsites.windows.net

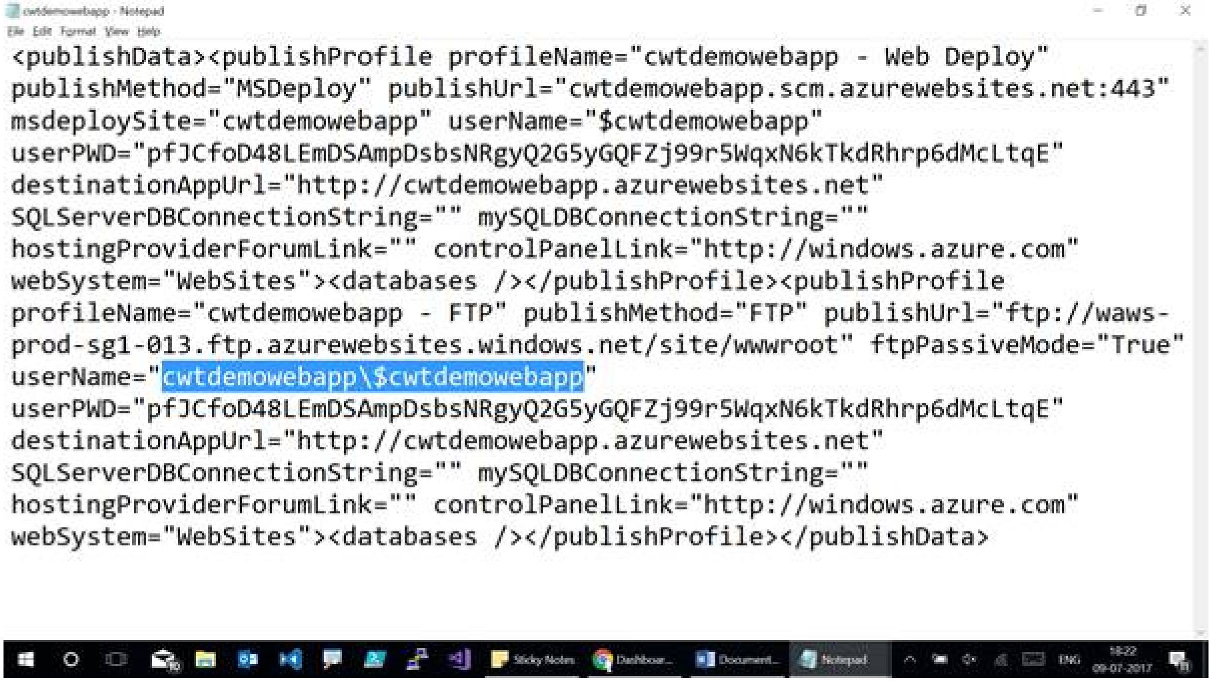
Open the downloaded file using notepad to find the ftp file information. Copy the publishUrl, Username and Password from the downloaded ftp file to get connected with the root access of the webapp.

Here in the below image we are copying the publishurl.



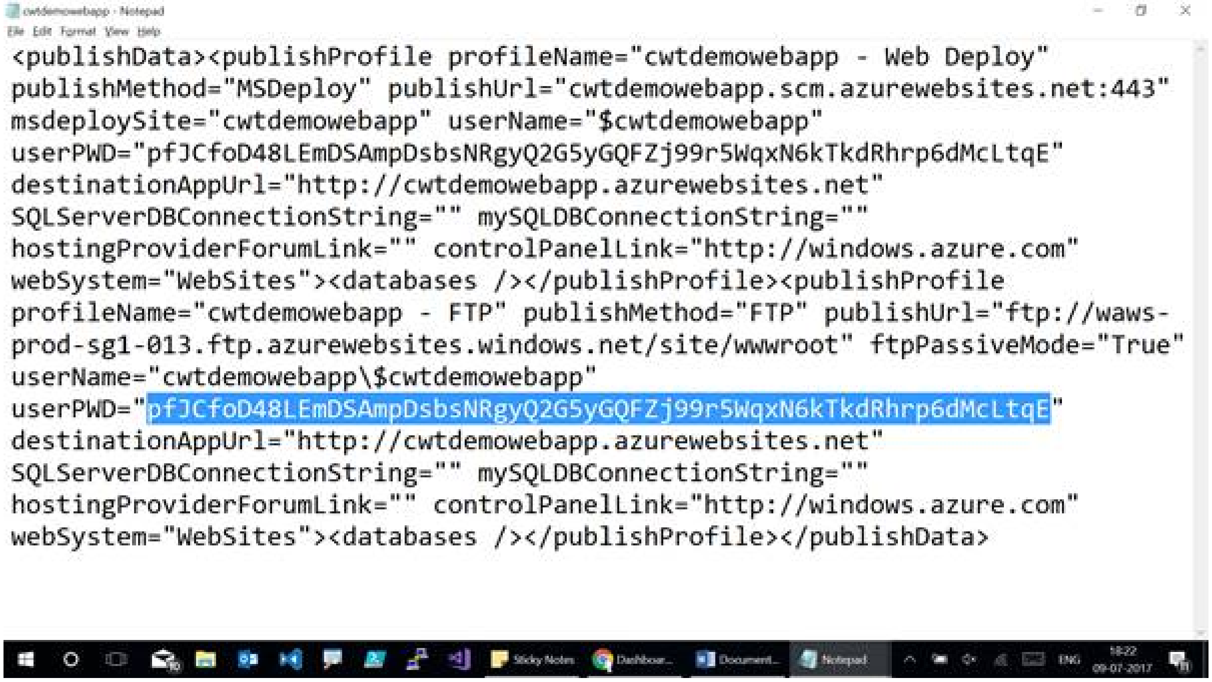
```
<publishData><publishProfile profileName="cwtdemowebapp - Web Deploy"
publishMethod="MSDeploy" publishUrl="cwtdemowebapp.scm.azurewebsites.net:443"
msdeploySite="cwtdemowebapp" userName="$cwtdemowebapp"
userPWD="pfJCfoD48LEmDSAmpDsbsNRgyQ2G5yGQFZj99r5WqxN6kTkdRhrp6dMcLtqE"
destinationAppUrl="http://cwtdemowebapp.azurewebsites.net"
SQLServerDBConnectionString="" mySQLDBConnectionString=""
hostingProviderForumLink="" controlPanelLink="http://windows.azure.com"
webSystem="WebSites"><databases /></publishProfile><publishProfile
profileName="cwtdemowebapp - FTP" publishMethod="FTP" publishUrl="ftp://waws-
prod-sg1-013.ftp.azurewebsites.windows.net/site/wwwroot" ftpPassiveMode="True"
userName="cwtdemowebapp\$cwtdemowebapp"
userPWD="pfJCfoD48LEmDSAmpDsbsNRgyQ2G5yGQFZj99r5WqxN6kTkdRhrp6dMcLtqE"
destinationAppUrl="http://cwtdemowebapp.azurewebsites.net"
SQLServerDBConnectionString="" mySQLDBConnectionString=""
hostingProviderForumLink="" controlPanelLink="http://windows.azure.com"
webSystem="WebSites"><databases /></publishProfile></publishData>
```

Username over here.



```
<publishData><publishProfile profileName="cwtdemowebapp - Web Deploy"
publishMethod="MSDeploy" publishUrl="cwtdemowebapp.scm.azurewebsites.net:443"
msdeploySite="cwtdemowebapp" userName="$cwtdemowebapp"
userPWD="pfJCfoD48LEmDSAmpDsbsNRgyQ2G5yGQFZj99r5WqxN6kTkdRhrp6dMcLtqE"
destinationAppUrl="http://cwtdemowebapp.azurewebsites.net"
SQLServerDBConnectionString="" mySQLDBConnectionString=""
hostingProviderForumLink="" controlPanelLink="http://windows.azure.com"
webSystem="WebSites"><databases /></publishProfile><publishProfile
profileName="cwtdemowebapp - FTP" publishMethod="FTP" publishUrl="ftp://waws-
prod-sg1-013.ftp.azurewebsites.windows.net/site/wwwroot" ftpPassiveMode="True"
userName="cwtdemowebapp\$cwtdemowebapp"
userPWD="pfJCfoD48LEmDSAmpDsbsNRgyQ2G5yGQFZj99r5WqxN6kTkdRhrp6dMcLtqE"
destinationAppUrl="http://cwtdemowebapp.azurewebsites.net"
SQLServerDBConnectionString="" mySQLDBConnectionString=""
hostingProviderForumLink="" controlPanelLink="http://windows.azure.com"
webSystem="WebSites"><databases /></publishProfile></publishData>
```

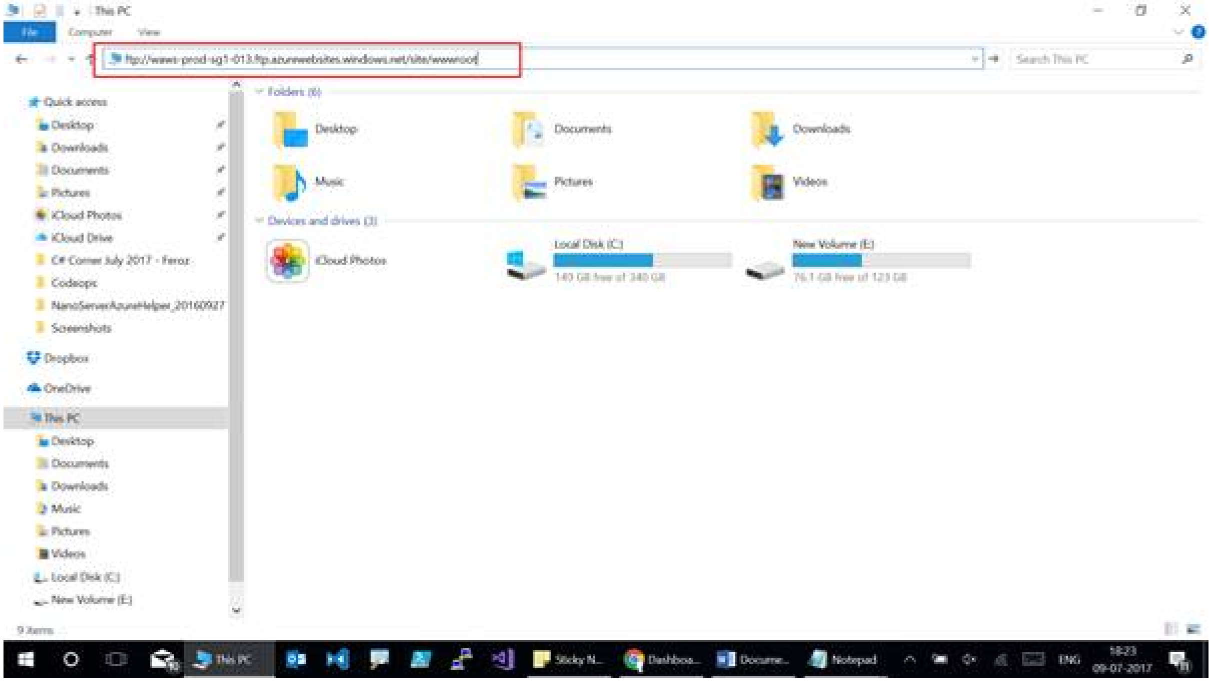
User Password over here.



```
<publishData><publishProfile profileName="cwtdemowebapp - Web Deploy"
publishMethod="MSDeploy" publishUrl="cwtdemowebapp.scm.azurewebsites.net:443"
msdeploySite="cwtdemowebapp" userName="$cwtdemowebapp"
userPWD="pfJCfoD48LEmDSAmpDsbsNRgyQ2G5yGQFZj99r5WqxN6kTkdRhrp6dMcLtqE"
destinationAppUrl="http://cwtdemowebapp.azurewebsites.net"
SQLServerDBConnectionString="" mySQLDBConnectionString=""
hostingProviderForumLink="" controlPanelLink="http://windows.azure.com"
webSystem="WebSites"><databases /></publishProfile><publishProfile
profileName="cwtdemowebapp - FTP" publishMethod="FTP" publishUrl="ftp://waws-
prod-sg1-013.ftp.azurewebsites.windows.net/site/wwwroot" ftpPassiveMode="True"
userName="cwtdemowebapp\$cwtdemowebapp"
userPWD="pfJCfoD48LEmDSAmpDsbsNRgyQ2G5yGQFZj99r5WqxN6kTkdRhrp6dMcLtqE"
destinationAppUrl="http://cwtdemowebapp.azurewebsites.net"
SQLServerDBConnectionString="" mySQLDBConnectionString=""
hostingProviderForumLink="" controlPanelLink="http://windows.azure.com"
webSystem="WebSites"><databases /></publishProfile></publishData>
```

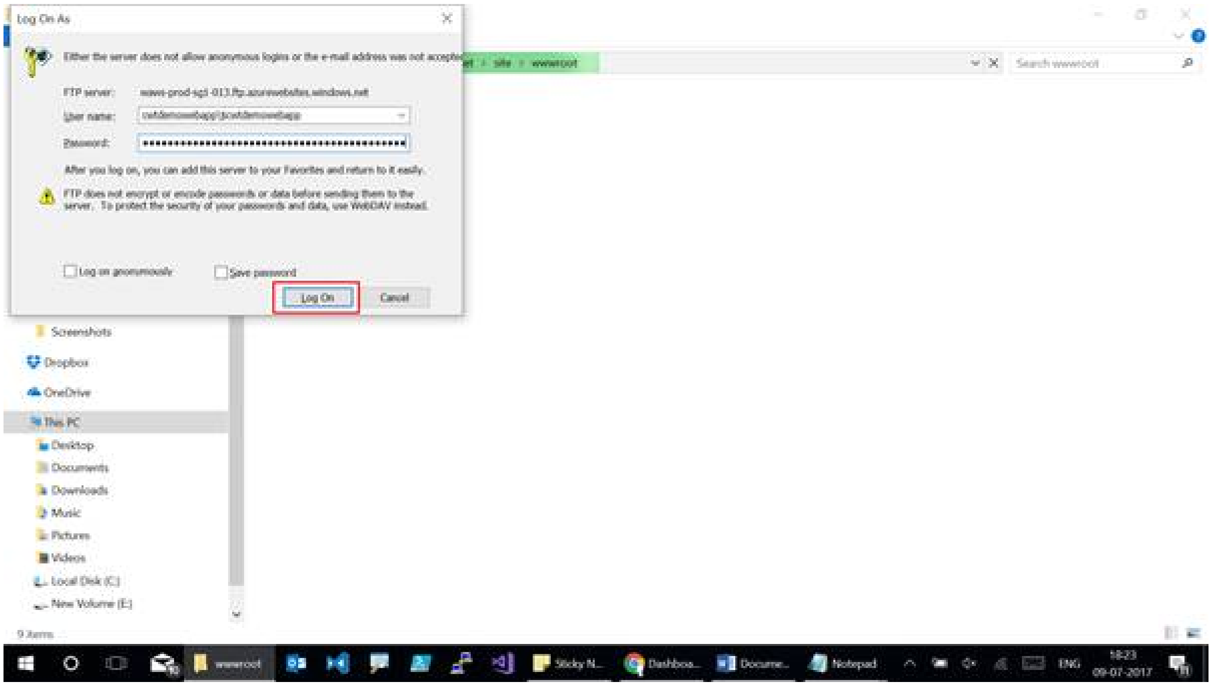
Step 5

Open File Explorer and paste the Publish URL to get connected.



ftp://waws-prod-sg1-013.ftp.azurewebsites.windows.net/site/wwwroot

Provide the Username and Password which we copied before and followed by a click at “Log On”.



Log On As

Either the server does not allow anonymous logins or the e-mail address was not accepted.

FTP server: waws-prod-sg1-013.ftp.azurewebsites.windows.net

User name: cwtdemowebapp\$cwtdemowebapp

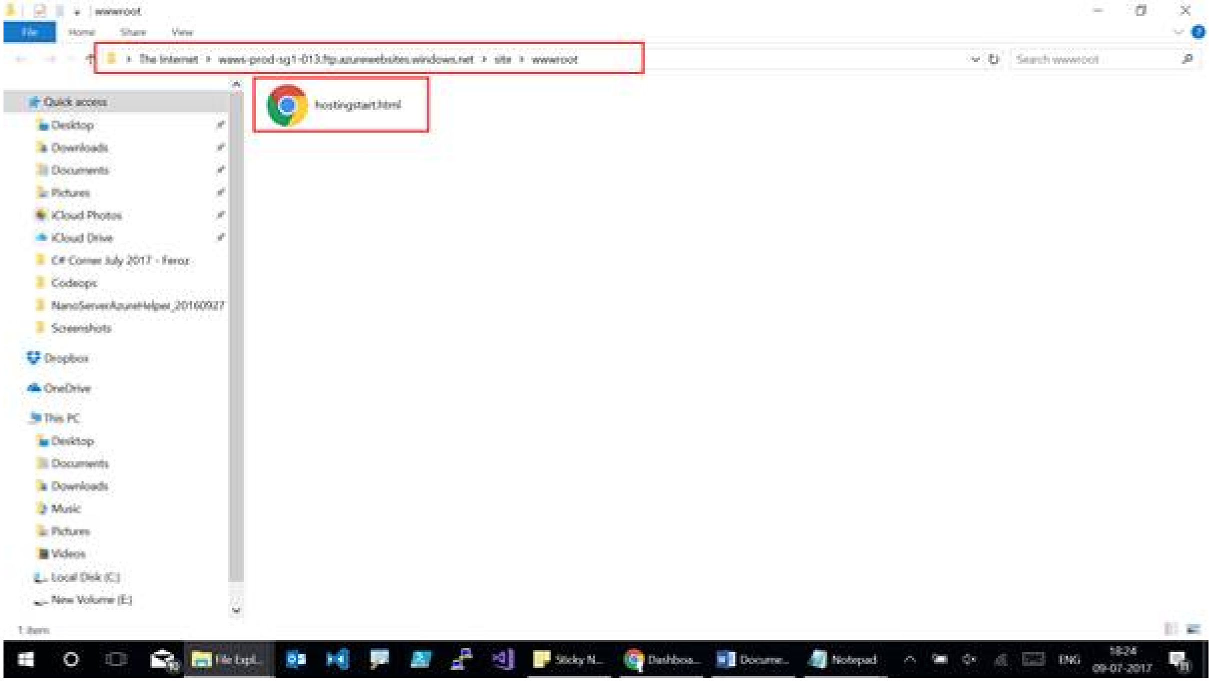
Password: ••

After you log on, you can add this server to your Favorites and return to it easily.

FTP does not encrypt or encode passwords or data before sending them to the server. To protect the security of your passwords and data, use WebDAV instead.

□ Log on anonymously □ Save password

Now you can find the File Explorer has been logged on to the webapp towards the root folder where we have a default template of hostingstart.html

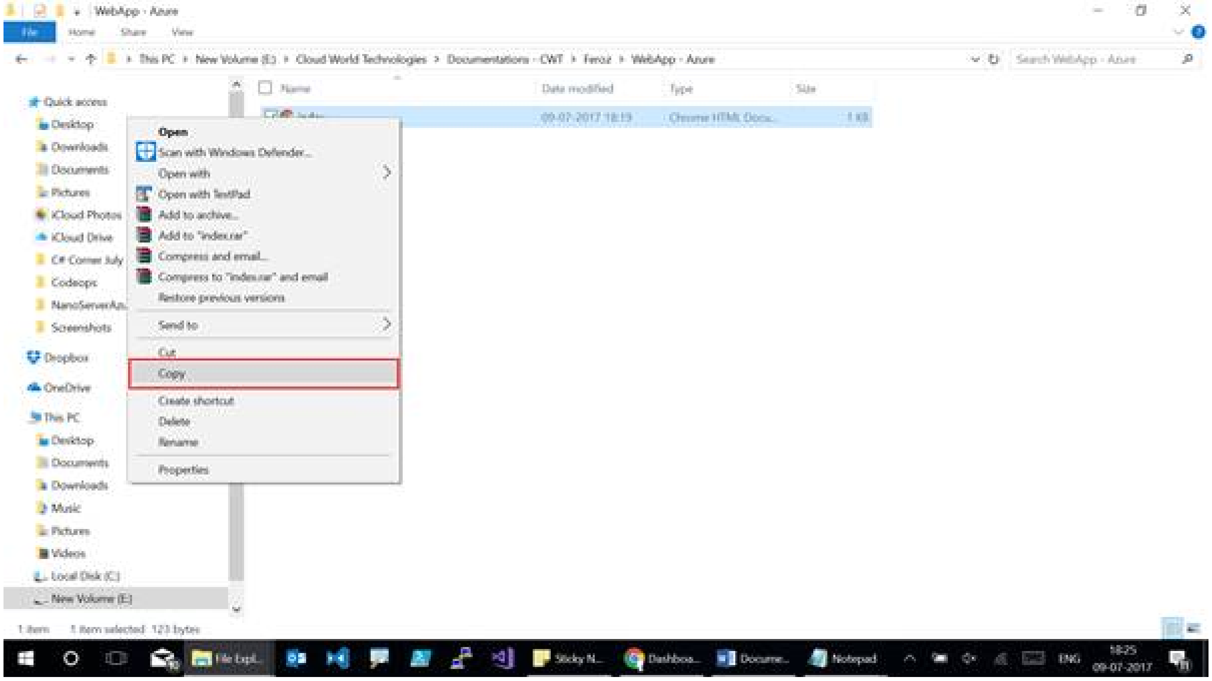


The Internet › waws-prod-sg1-013.ftp.azurewebsites.windows.net › site › wwwroot

hostingstart.html

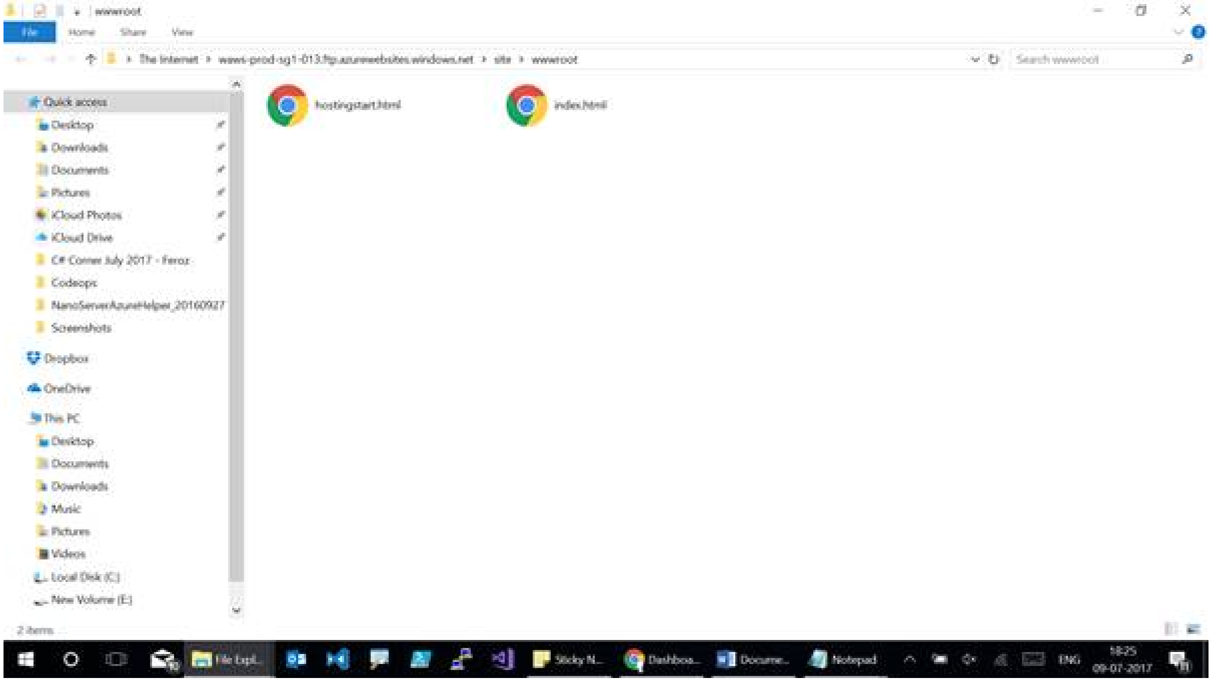
Step 6

Copy the index.html file which we created before and paste it on the root folder of the webapp which has been logged on.

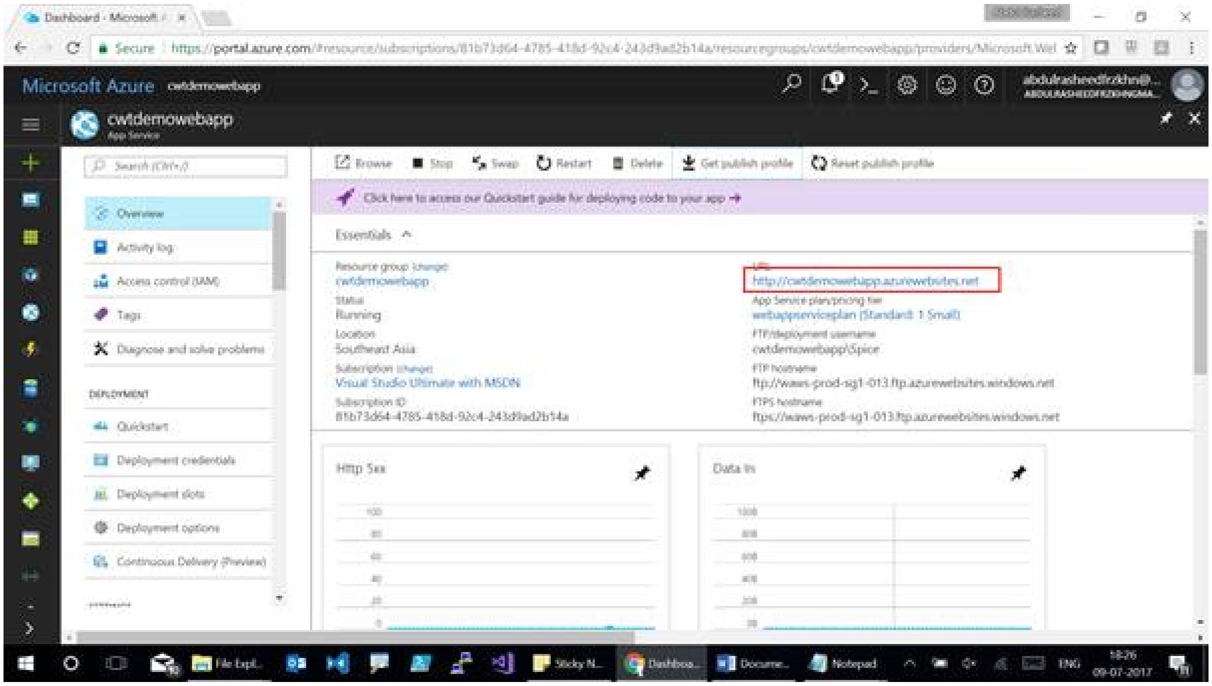


This PC › New Volume (E:) › Cloud World Technologies › Documentations - CWT › Feroz › WebApp - Azure

Name	Date modified	Type	Size
index	09-07-2017 18:19	Chrome HTML Docu...	1 KB



Now click on the URL of the WebApp by which you can find the newly published HTML file.



Resource group (change)
cwtdemowebapp

Status
Running

Location
Southeast Asia

Subscription (change)
Visual Studio Ultimate with MSDN

Subscription ID
81b73d64-4785-418d-92c4-243d9ad2b14a

URL
http://cwtdemowebapp.azurewebsites.net

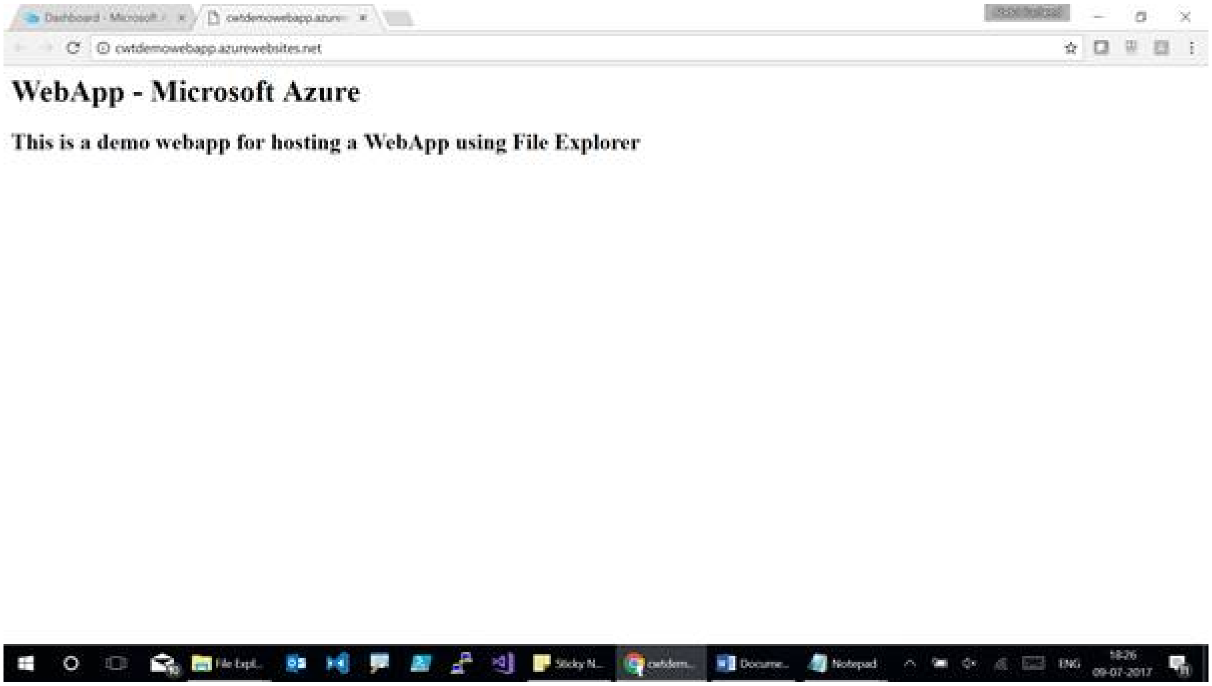
App Service plan/pricing tier
webappserviceplan (Standard: 1 Small)

FTP/deployment username
cwtdemowebapp\Spice

FTP hostname
ftp://waws-prod-sg1-013.ftp.azurewebsites.windows.net

FTPS hostname
ftps://waws-prod-sg1-013.ftp.azurewebsites.windows.net

Here goes your WebApp on the below image which has been published!!

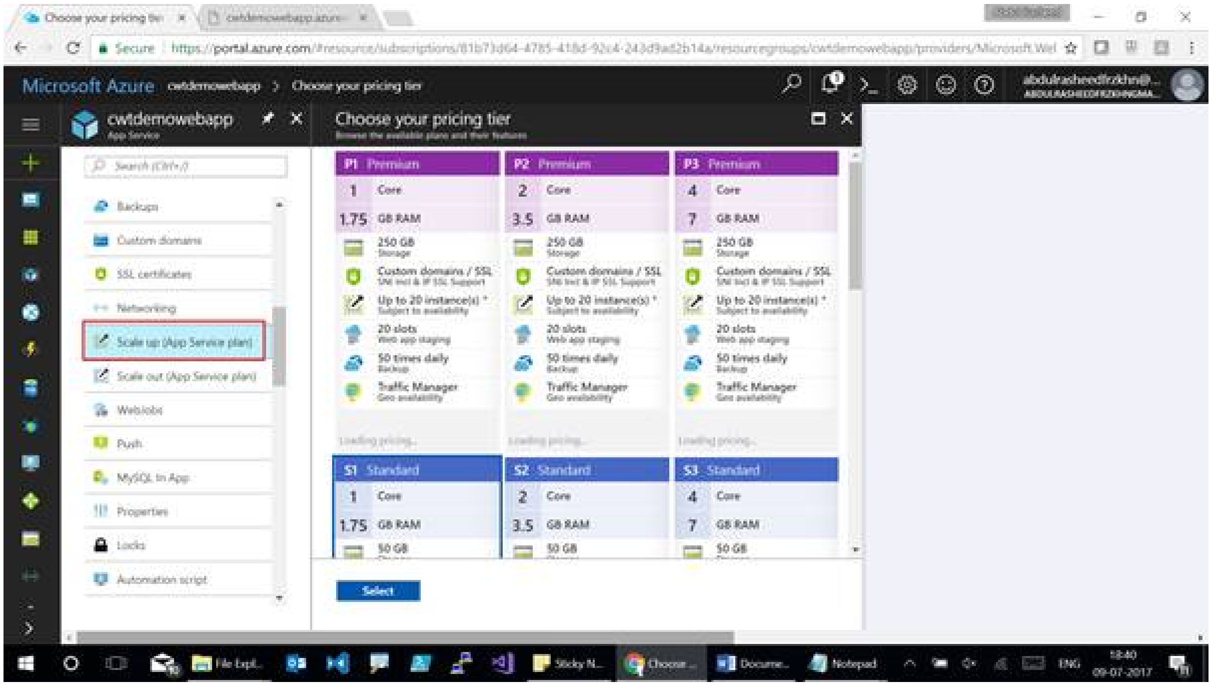


cwtdemowebapp.azurewebsites.net

WebApp - Microsoft Azure

This is a demo webapp for hosting a WebApp using File Explorer

You can also Scale Up for the other app service plans using the scale up feature which is available on the master blades of WebApps, use Scale Down again to get down for smaller app service plans over here.



Choose your pricing tier

Browse the available plans and their features

P1 Premium	P2 Premium	P3 Premium
1 Core	2 Core	4 Core
1.75 GB RAM	3.5 GB RAM	7 GB RAM
250 GB Storage	250 GB Storage	250 GB Storage
Custom domains / SSL SNI Incl & IP SSL Support	Custom domains / SSL SNI Incl & IP SSL Support	Custom domains / SSL SNI Incl & IP SSL Support
Up to 20 instance(s) * Subject to availability	Up to 20 instance(s) * Subject to availability	Up to 20 instance(s) * Subject to availability
20 slots Web app staging	20 slots Web app staging	20 slots Web app staging
50 times daily Backup	50 times daily Backup	50 times daily Backup
Traffic Manager Geo availability	Traffic Manager Geo availability	Traffic Manager Geo availability
Loading pricing...	Loading pricing...	Loading pricing...

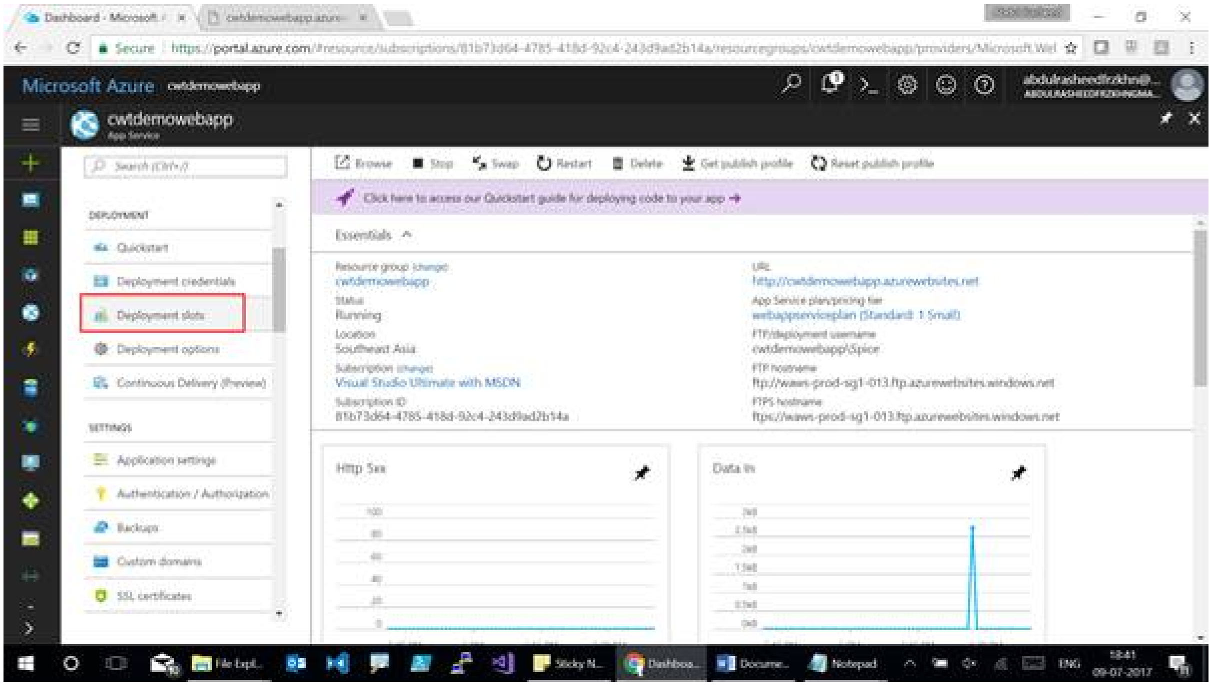
S1 Standard	S2 Standard	S3 Standard
1 Core	2 Core	4 Core
1.75 GB RAM	3.5 GB RAM	7 GB RAM
50 GB	50 GB	50 GB

Exercise 3 Creating a Slot from Azure Portal

Deployment Slot helps you to create a slot in the master Azure WebApp which you have created, you can add data over that and you can swap at any time to move the data between different slots or versions of the website.

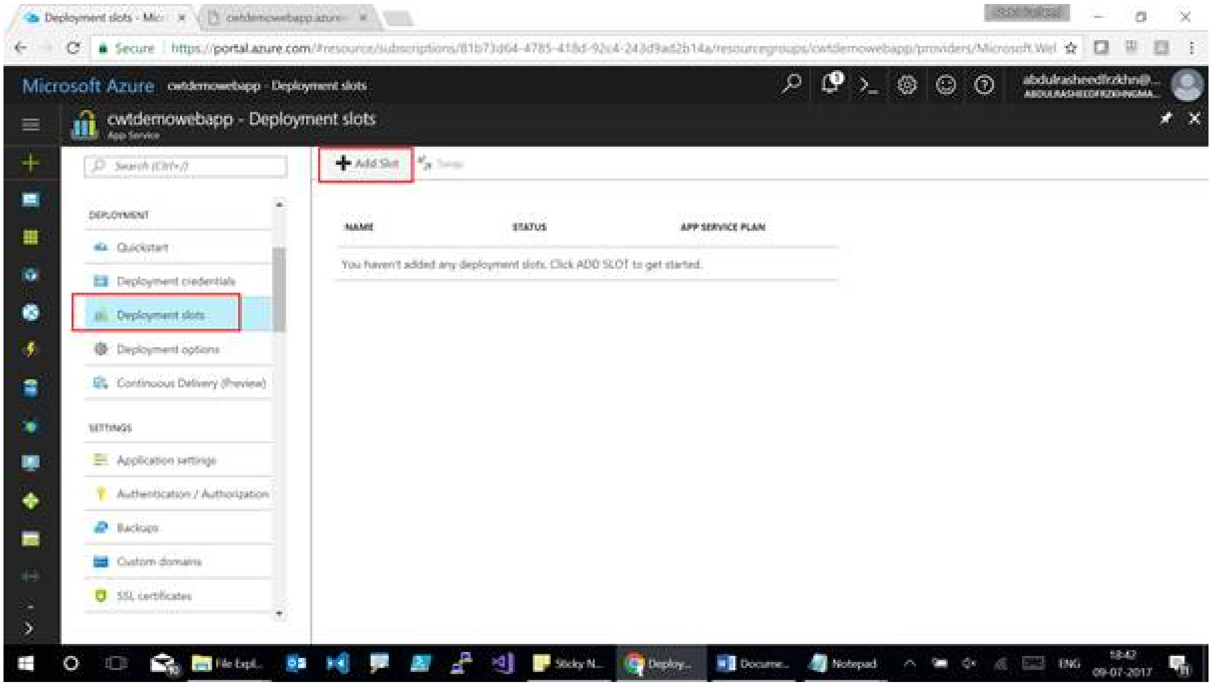
Step 7

Click on the Deployment Slots to move for the deployment slot.



Resource group (change)
cwtdemowebapp
Status
Running
Location
Southeast Asia
Subscription (change)
Visual Studio Ultimate with MSDN
Subscription ID
81b73d64-4785-418d-92c4-243d9ad2b14a
URL
http://cwtdemowebapp.azurewebsites.net
App Service plan/pricing tier
webappserviceplan (Standard: 1 Small)
FTP/deployment username
cwtdemowebapp\Spice
FTP hostname
ftp://waws-prod-sg1-013.ftp.azurewebsites.windows.net
FTPS hostname
ftps://waws-prod-sg1-013.ftp.azurewebsites.windows.net

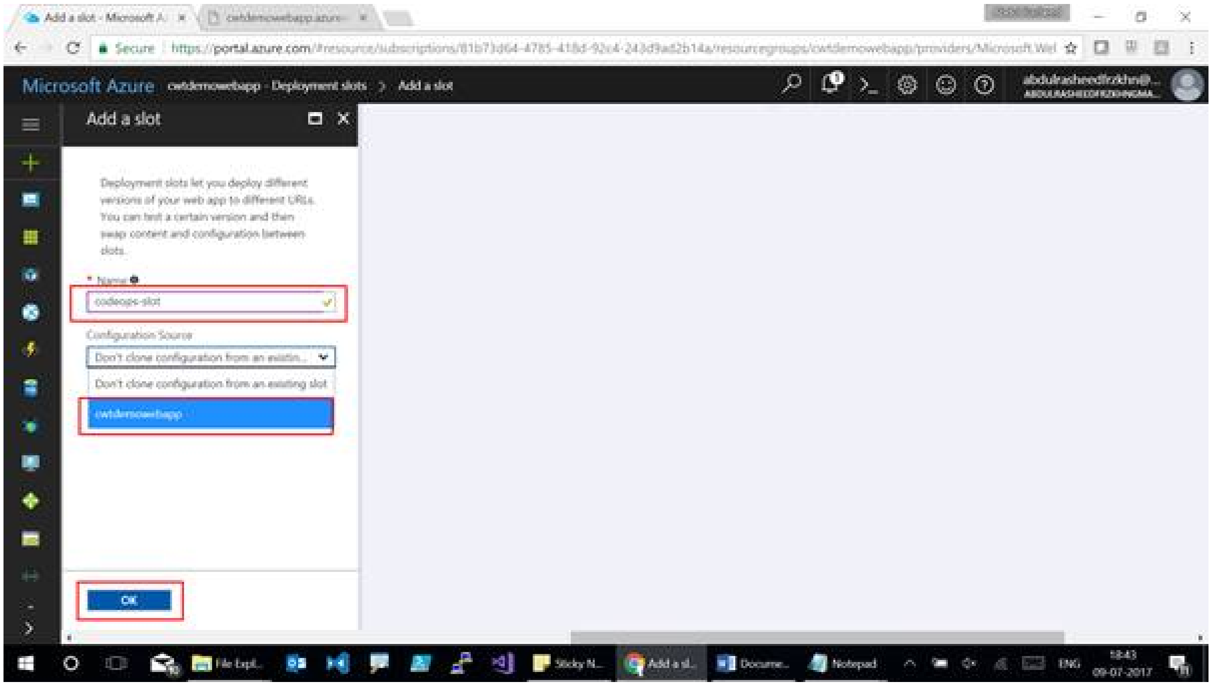
Click on Add Slot on the Deployment Slot.



NAME	STATUS	APP SERVICE PLAN
You haven't added any deployment slots. Click ADD SLOT to get started.		

Name the slot the same as the WebApp which has been created, here I have named it as codeops-slot followed by the configuration source.

Once after the deployment slot has been configured click on OK to create the Deployment Slot.



Add a slot

Deployment slots let you deploy different versions of your web app to different URLs. You can test a certain version and then swap content and configuration between slots.

* Name: codeops-slot

Configuration Source: Don't clone configuration from an existin...

Don't clone configuration from an existing slot

cwtdemowebapp

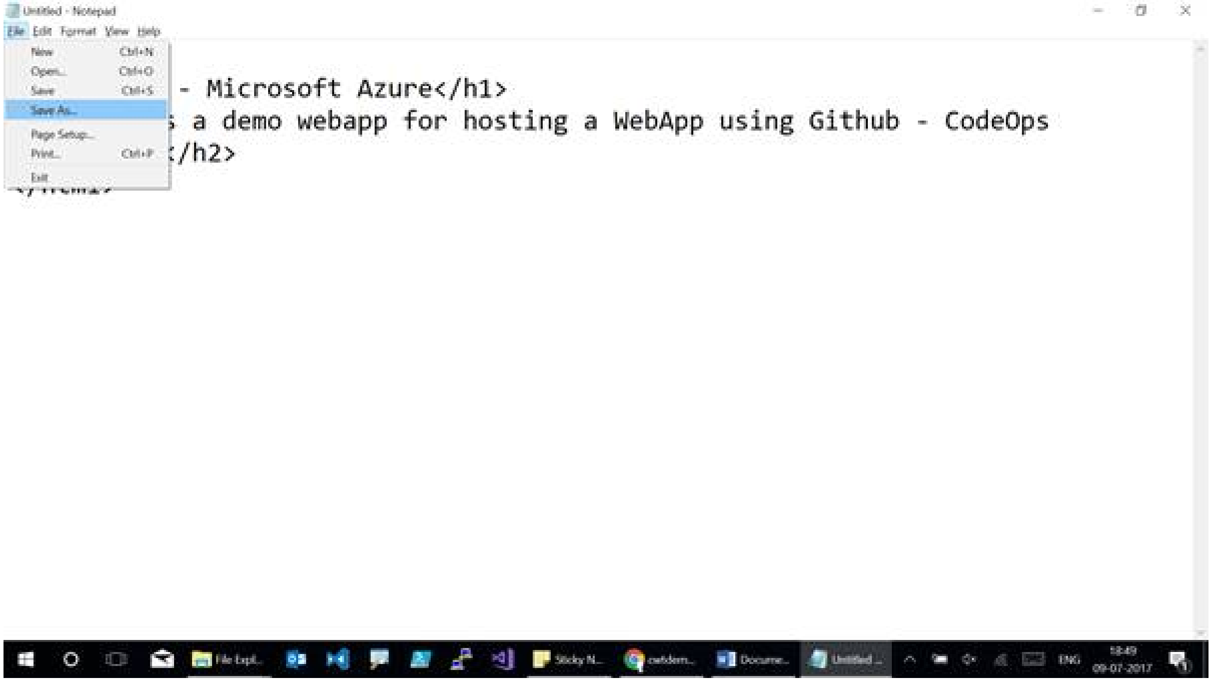
Step 8

Create a new HTML file with the updated version as shown below,

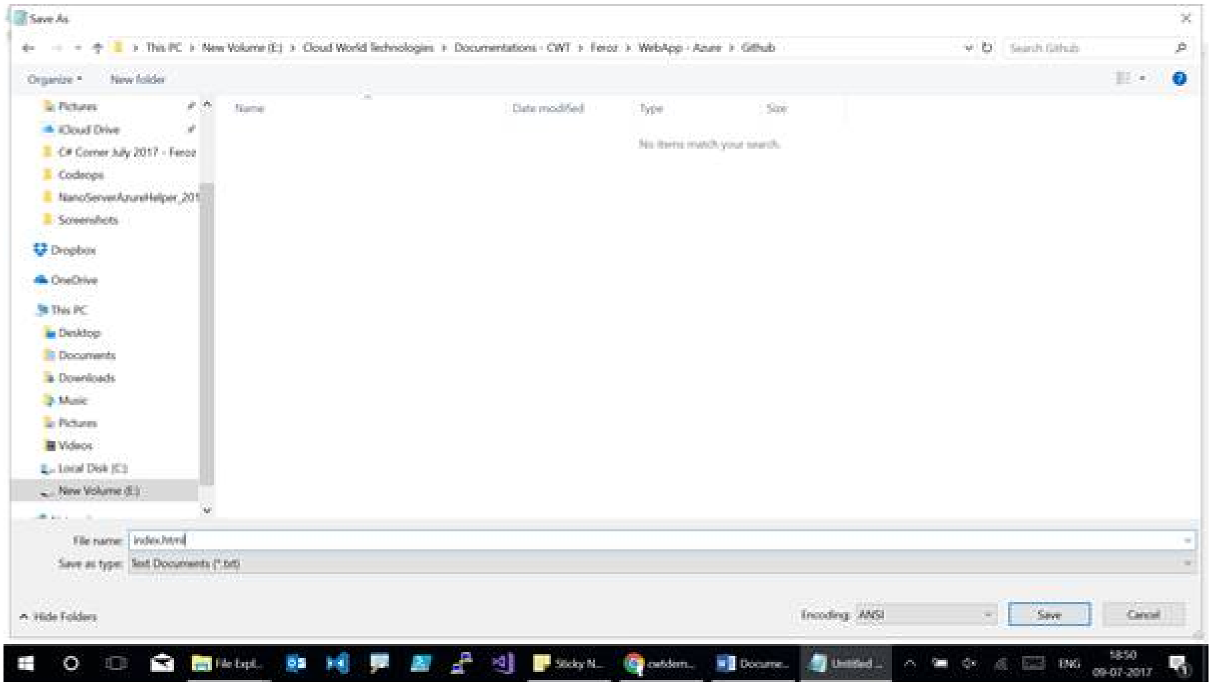
Index.html

```
<html>
   <h1>WebApp - Microsoft Azure</h1>
   <h2>This is a demo webapp for hosting a WebApp using Github - CodeOps Conference</h2>
</html>
```

Click on File - Save As and save the file with the name of index.html



```
 - Microsoft Azure</h1>
s a demo webapp for hosting a WebApp using Github - CodeOps
</h2>
</html>
```



Save As

This PC > New Volume (E:) > Cloud World Technologies > Documentations - CWT > Feroz > WebApp - Azure > Github

No items match your search.

File name: index.html

Save as type: Text Documents (*.txt)

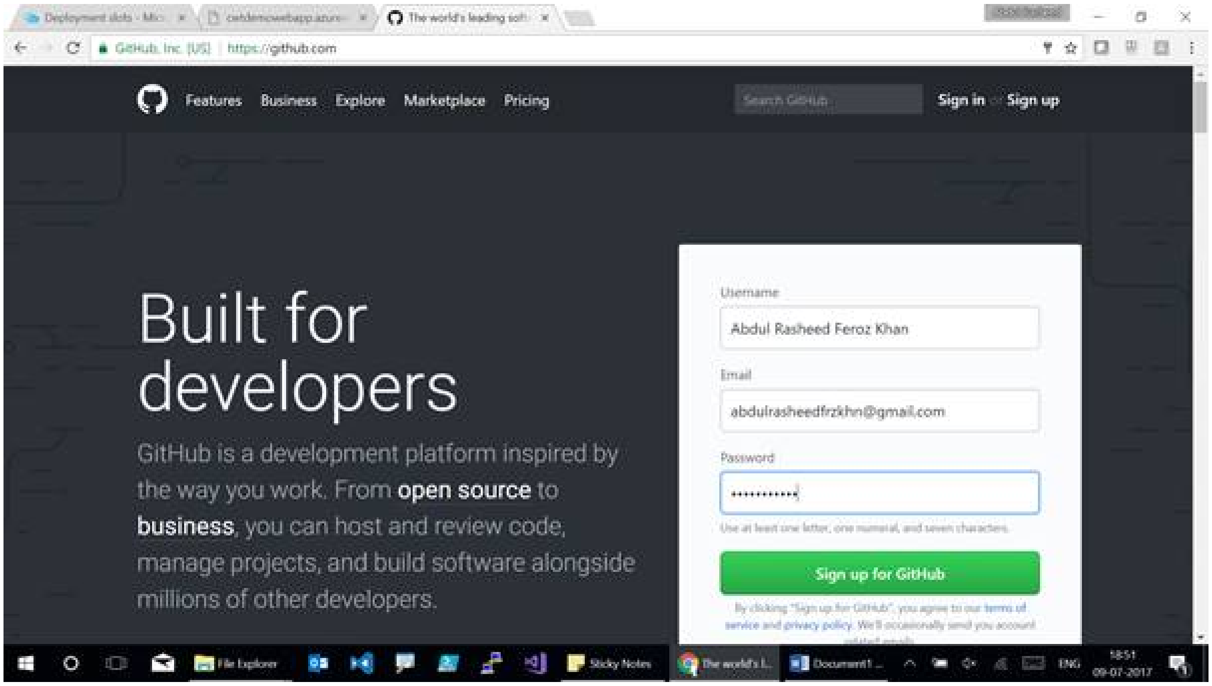
Encoding: ANSI

Step 9

Let's move this WebApp HTML file which has been created towards an Online repository say for example GitHub as shown:

Link for GitHub - *https://github.com/*

Sign up for a new account on GitHub over here.



https://github.com

Built for developers

GitHub is a development platform inspired by the way you work. From **open source** to **business**, you can host and review code, manage projects, and build software alongside millions of other developers.

Username: Abdul Rasheed Feroz Khan

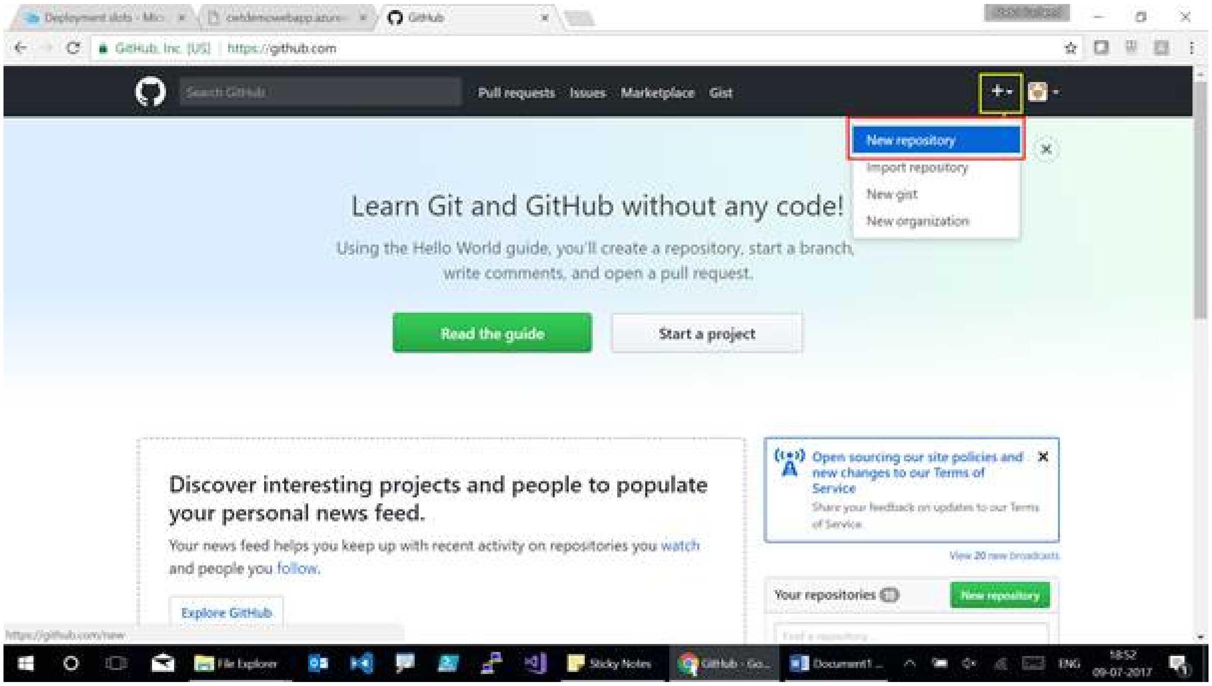
Email: abdulrasheedfrzkhn@gmail.com

Password: •••••••••••

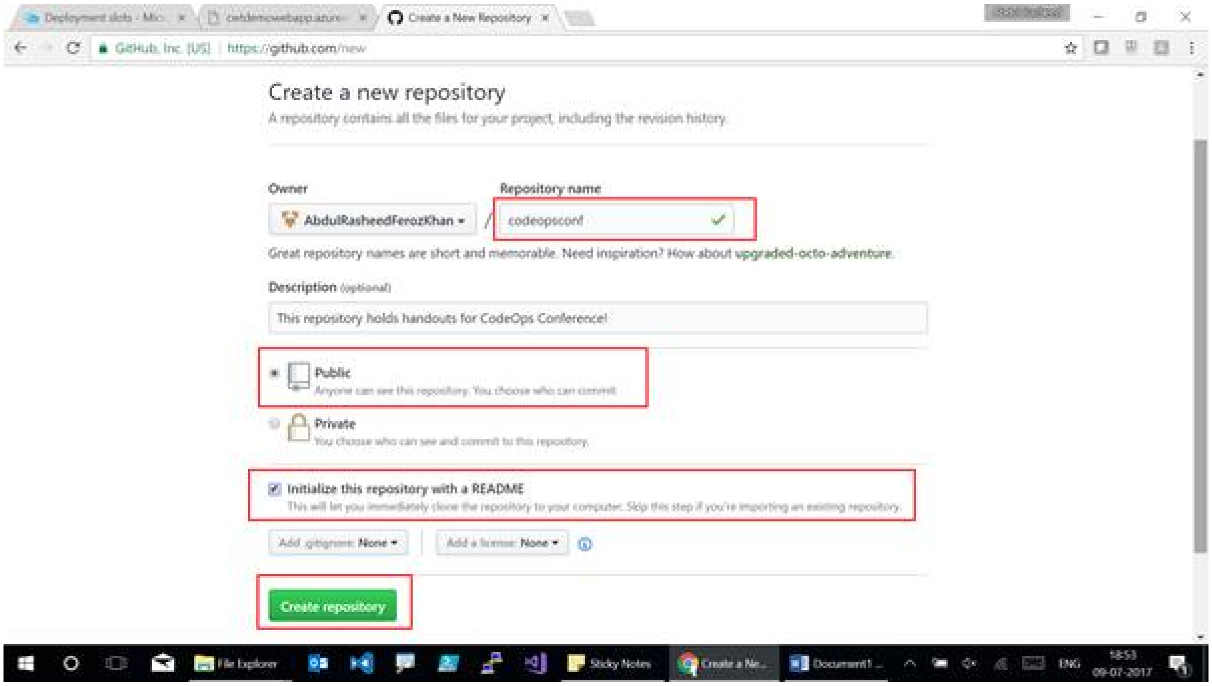
Use at least one letter, one numeral, and seven characters.

By clicking "Sign up for GitHub", you agree to our terms of service and privacy policy. We'll occasionally send you account related emails.

Create a New Repository by clicking on New Repository.


Pull requests
Issues
Marketplace
Gist
New repository
Import repository
New gist
New organization
Learn Git and GitHub without any code!
Using the Hello World guide, you'll create a repository, start a branch, write comments, and open a pull request.
Read the guide
Start a project
Discover interesting projects and people to populate your personal news feed.
Your news feed helps you keep up with recent activity on repositories you watch and people you follow.
Explore GitHub
Open sourcing our site policies and new changes to our Terms of Service
Share your feedback on updates to our Terms of Service
Your repositories
New repository

Name the Repository Name, make it Public and initialize the repository with a README followed by a click on Create Repository.



Create a new repository

A repository contains all the files for your project, including the revision history.

Owner: AbdulRasheedFerozKhan / Repository name: codeopsconf ✓

Great repository names are short and memorable. Need inspiration? How about upgraded-octo-adventure.

Description (optional): This repository holds handouts for CodeOps Conference!

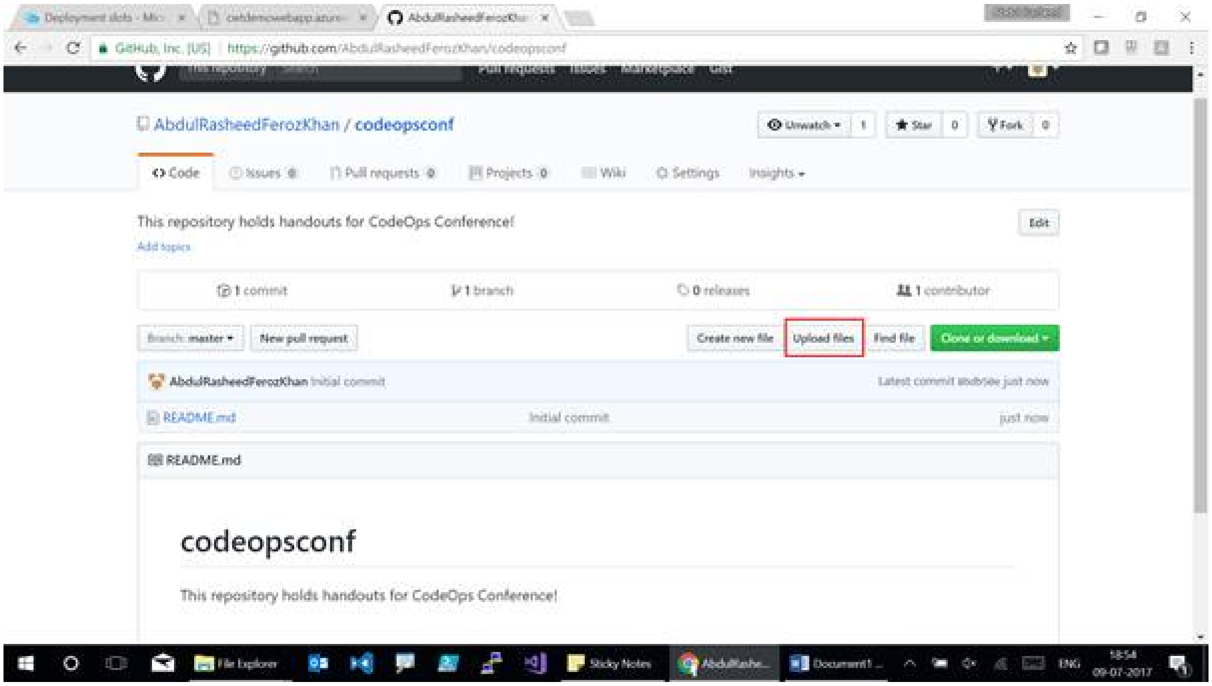
● Public — Anyone can see this repository. You choose who can commit.

○ Private — You choose who can see and commit to this repository.

☑ Initialize this repository with a README — This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: None | Add a license: None

Click on Upload Files to upload the files at your Online Repository account.



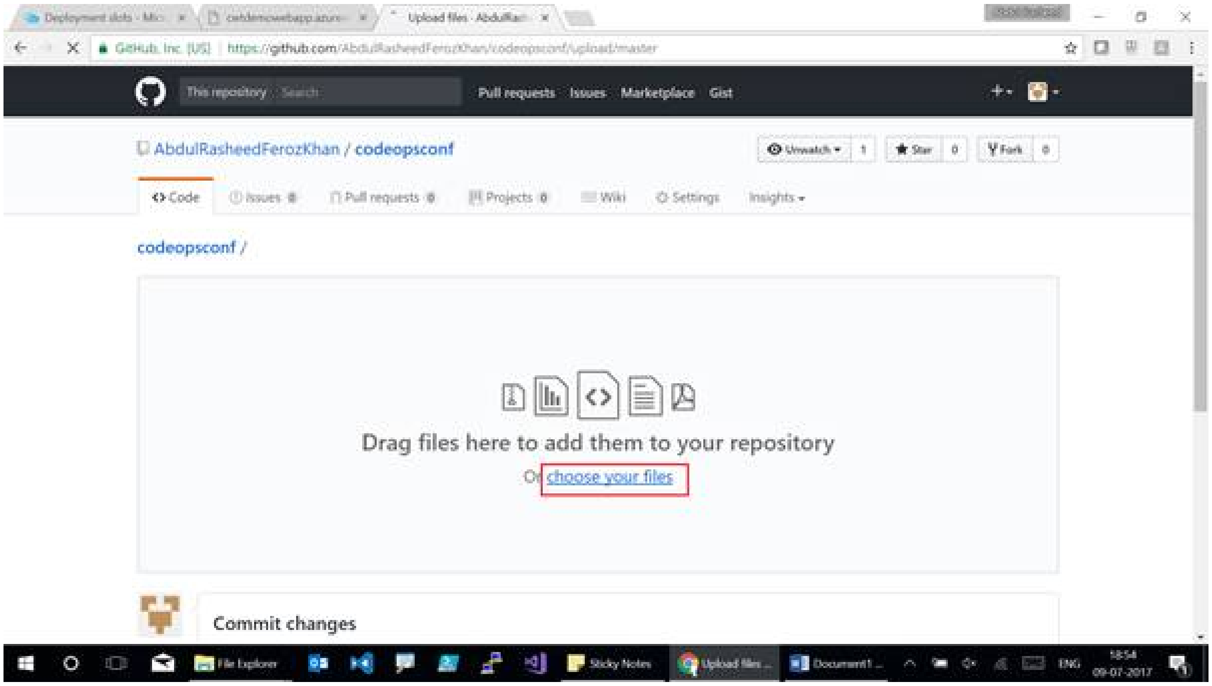
This repository holds handouts for CodeOps Conference!

AbdulRasheedFerozKhan Initial commit

codeopsconf

This repository holds handouts for CodeOps Conference!

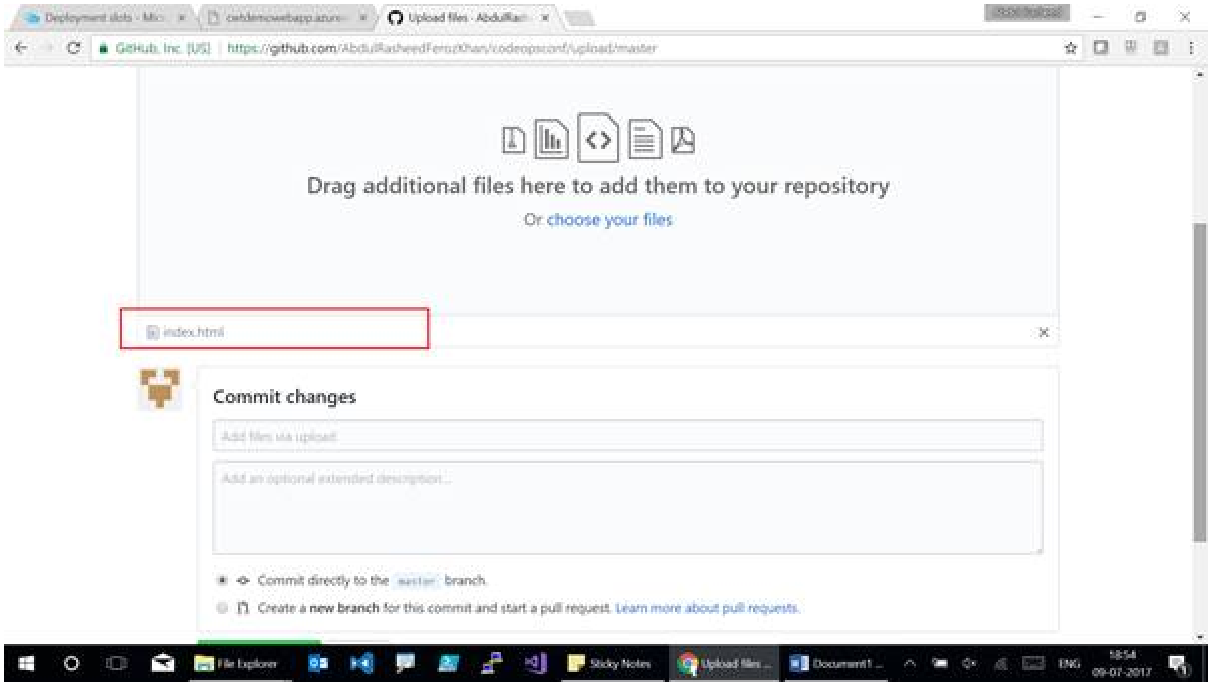
Either choose your files or drag and drop the files to share it on the Online Repository account.



Drag files here to add them to your repository

Or choose your files

Commit changes



Drag additional files here to add them to your repository

Or choose your files

index.html

Commit changes

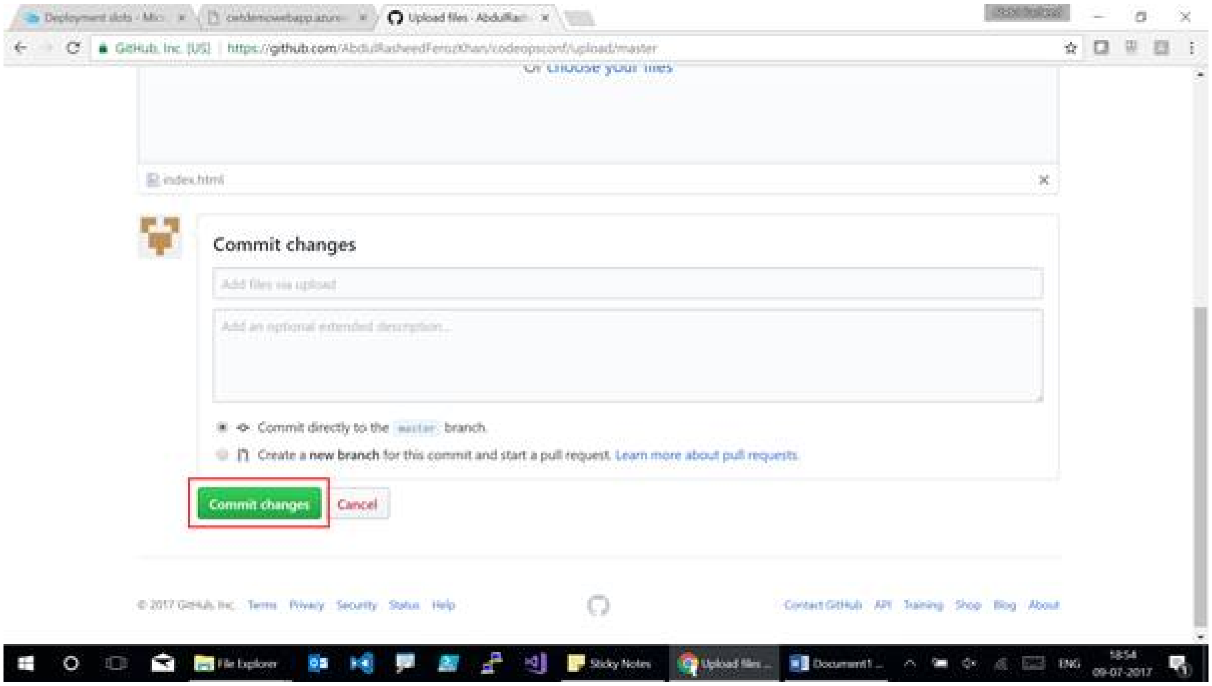
Add files via upload

Add an optional extended description...

● Commit directly to the master branch.

○ Create a new branch for this commit and start a pull request. Learn more about pull requests.

Click on Commit Changes to confirm it.



index.html

Commit changes

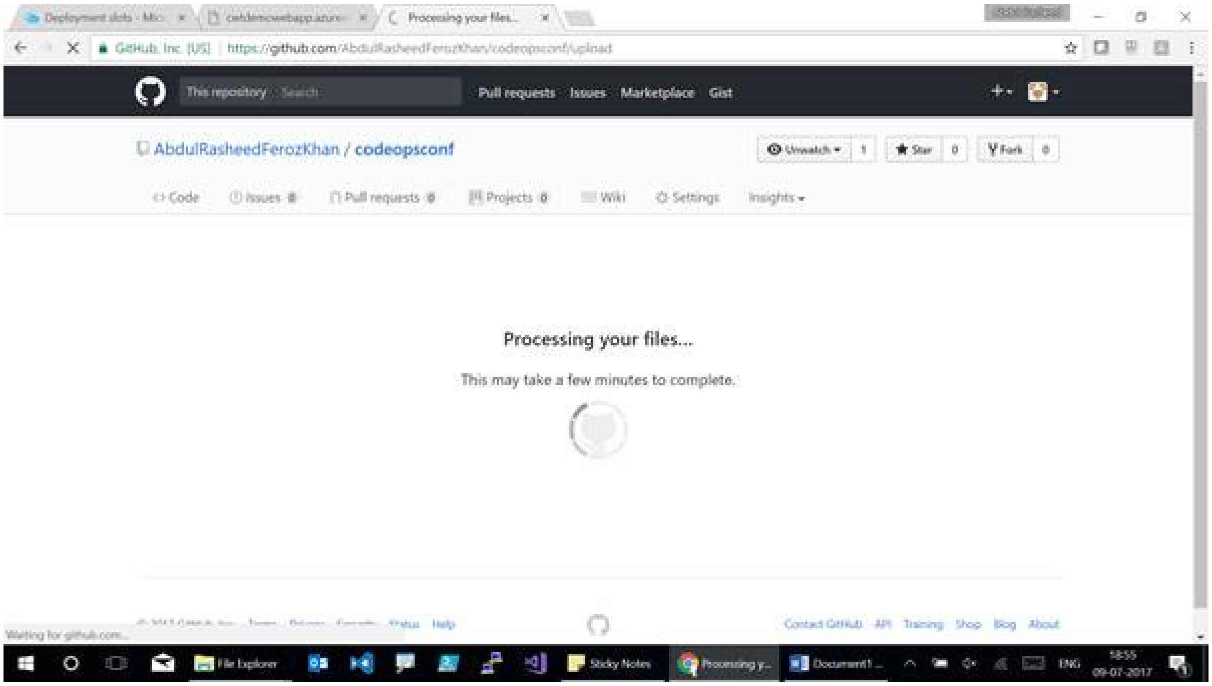
Add files via upload

Add an optional extended description...

● Commit directly to the master branch.

○ Create a new branch for this commit and start a pull request. Learn more about pull requests.

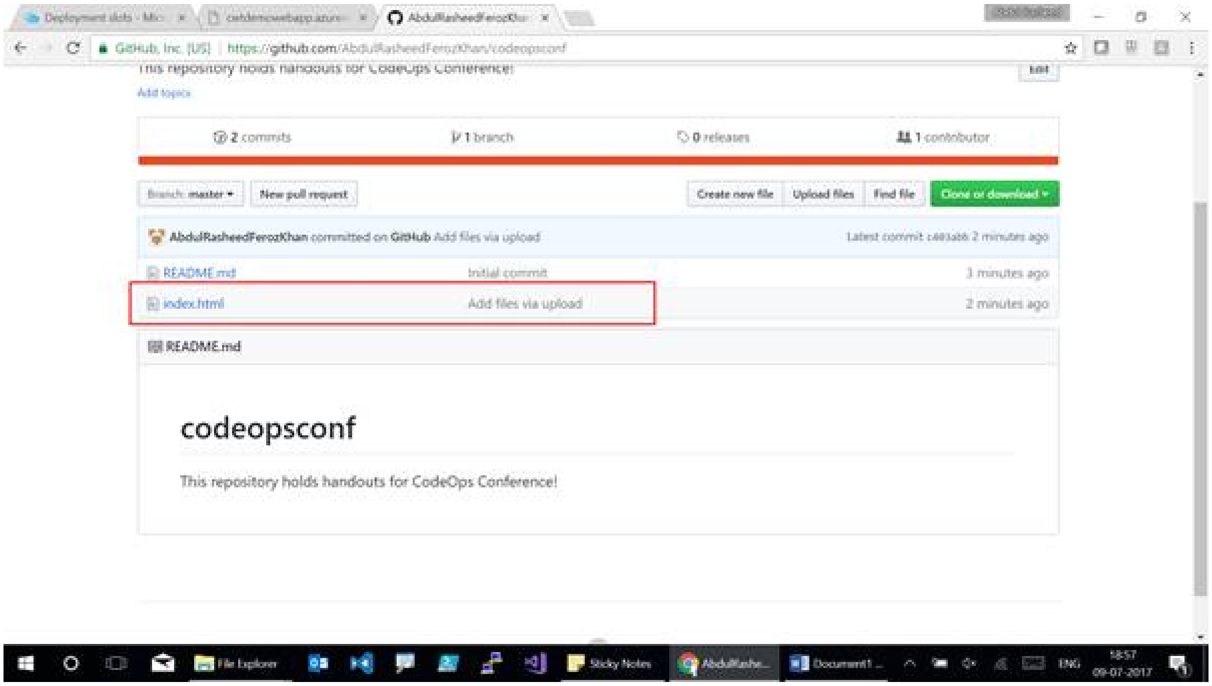
Here your files get processed for getting committed.



Processing your files...

This may take a few minutes to complete.

Now your html file has been uploaded on the Online Repository.



AbdulRasheedFerozKhan committed on GitHub Add files via upload — Latest commit c483ab6 2 minutes ago

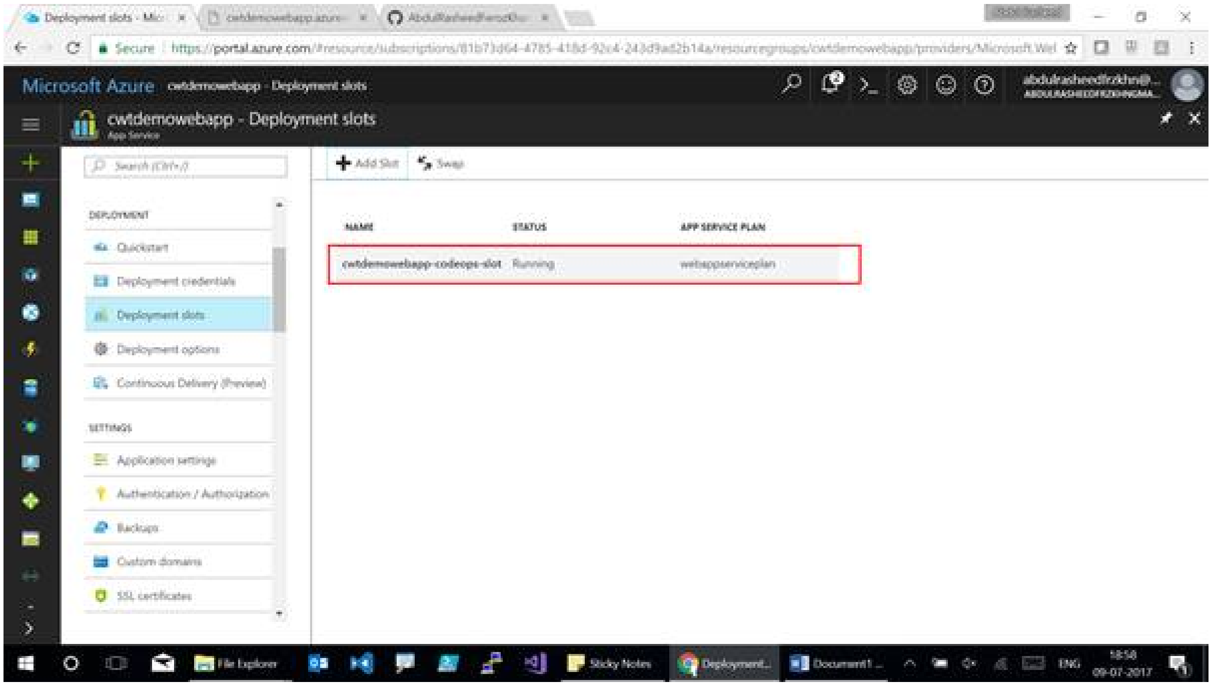
README.md	Initial commit	3 minutes ago
index.html	Add files via upload	2 minutes ago

README.md

codeopsconf

This repository holds handouts for CodeOps Conference!

Move back to the Azure Portal and click on the Deployment Slots you can find the new slot which was created before.

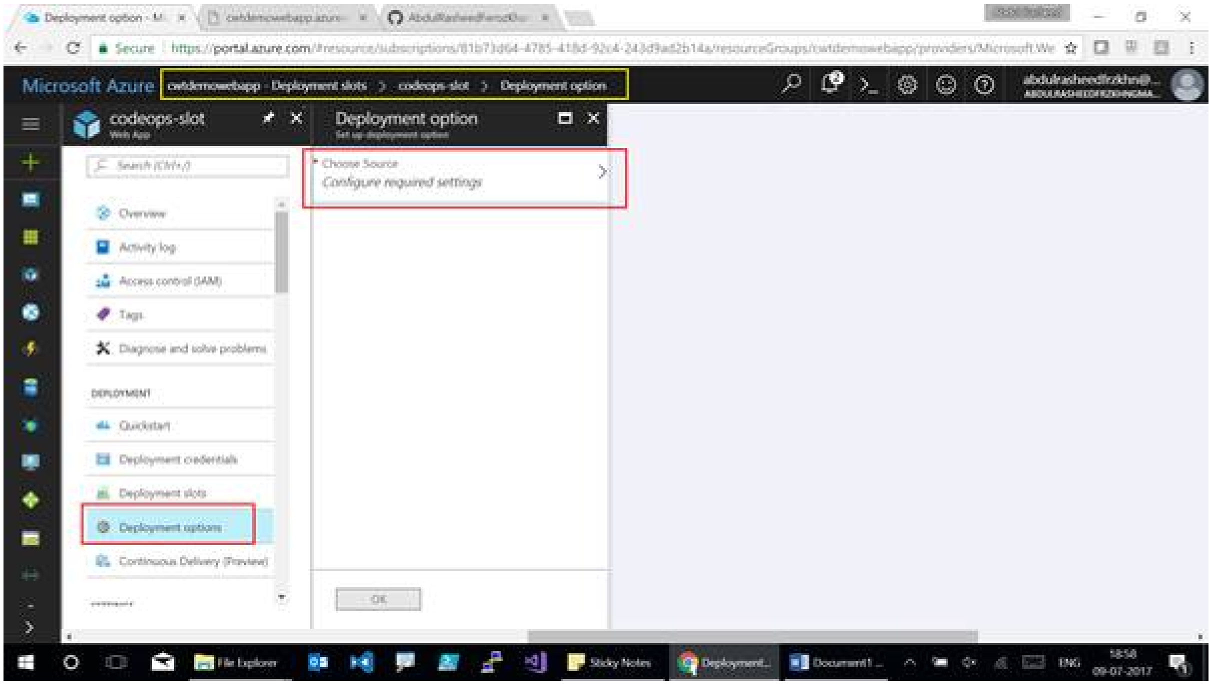


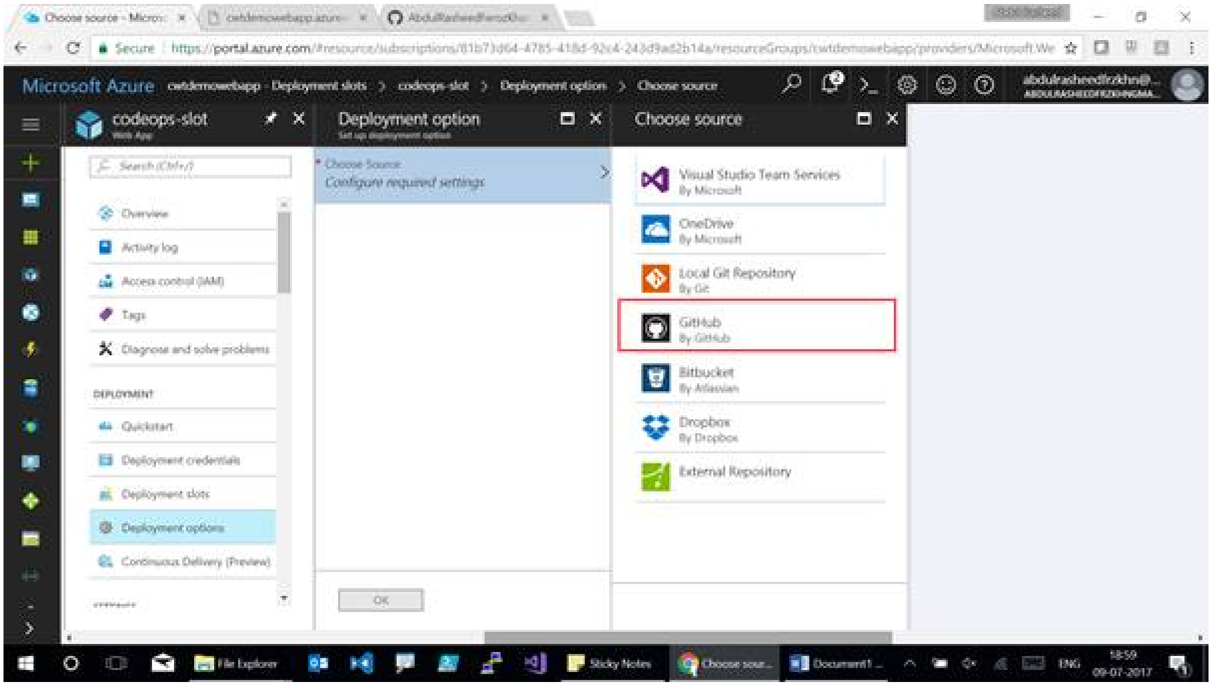
NAME	STATUS	APP SERVICE PLAN
cwtdemowebapp-codeops-slot	Running	webappserviceplan

Step 10

Go for Deployment Options to configure the Online repository of GitHub.

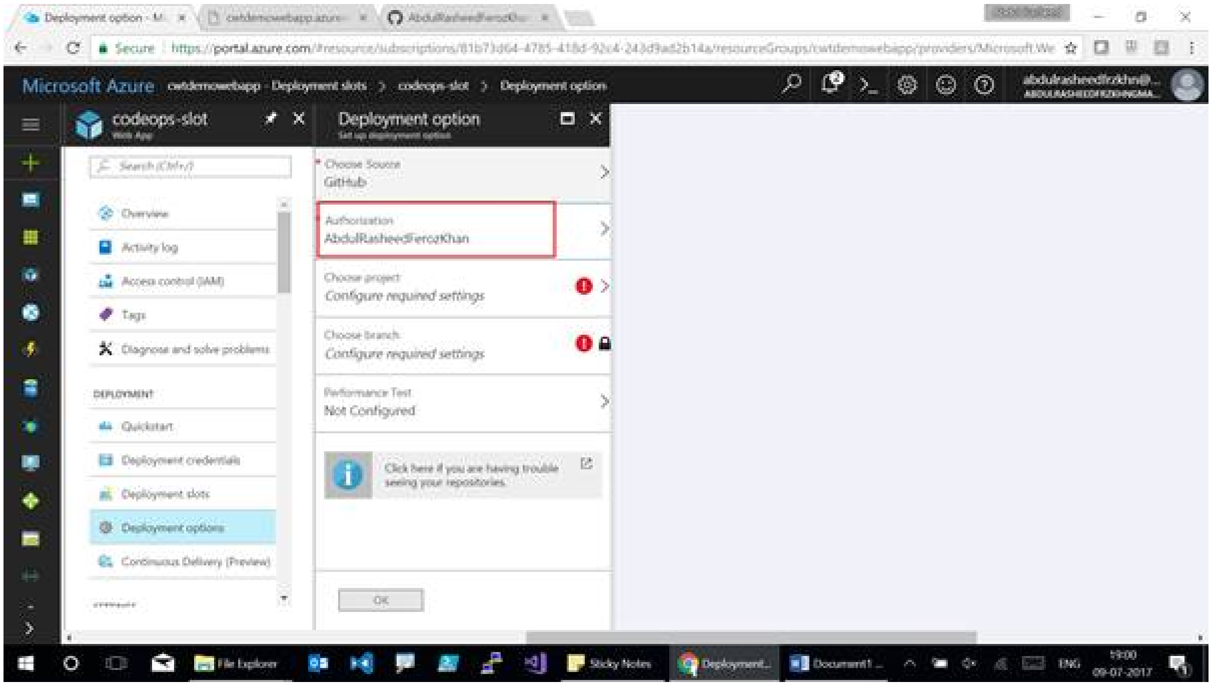
Deployment Options - Choose Source - GitHub.





Choose Source
Configure required settings

Authorize with your GitHub account.



Choose Source
GitHub

Authorization
AbdulRasheedFerozKhan

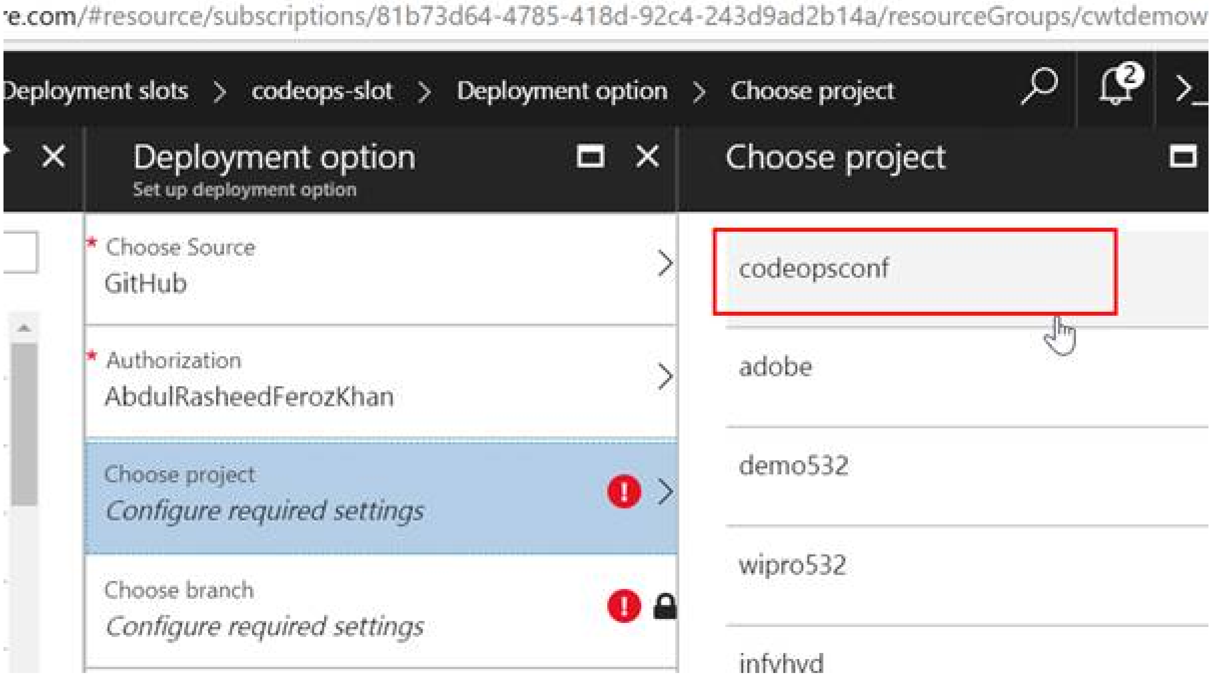
Choose project
Configure required settings

Choose branch
Configure required settings

Performance Test
Not Configured

Click here if you are having trouble seeing your repositories.

Choose Project - your project repository.



e.com/#resource/subscriptions/81b73d64-4785-418d-92c4-243d9ad2b14a/resourceGroups/cwtdemow

Deployment slots > codeops-slot > Deployment option > Choose project

Deployment option
Set up deployment option

* Choose Source
GitHub

* Authorization
AbdulRasheedFerozKhan

Choose project
Configure required settings

Choose branch
Configure required settings

Choose project

codeopsconf

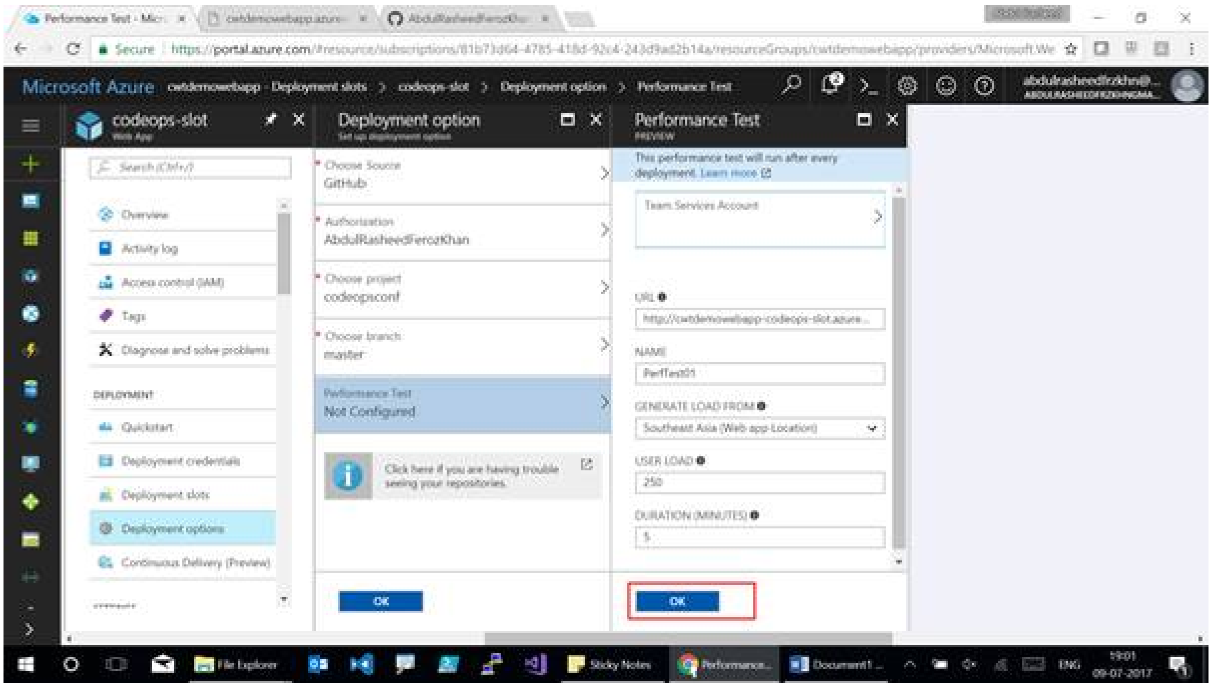
adobe

demo532

wipro532

infvhvd

Configure your Performance Test with the load generation of the region for the load and the duration in time. Click on OK after it’s done.



https://portal.azure.com/#resource/subscriptions/81b73d64-4785-418d-92c4-243d9ad2b14a/resourceGroups/cwtdemowebapp/providers/Microsoft.We

Microsoft Azure cwtdemowebapp - Deployment slots > codeops-slot > Deployment option > Performance Test
codeops-slot
Web App
Search (Ctrl+/)
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
DEPLOYMENT
Quickstart
Deployment credentials
Deployment slots
Deployment options
Continuous Delivery (Preview)

Deployment option
Set up deployment option

* Choose Source
GitHub

* Authorization
AbdulRasheedFerozKhan

* Choose project
codeopsconf

* Choose branch
master

Performance Test
Not Configured

Click here if you are having trouble seeing your repositories.

OK

Performance Test
PREVIEW

This performance test will run after every deployment. Learn more

Team Services Account

URL
http://cwtdemowebapp-codeops-slot.azure...

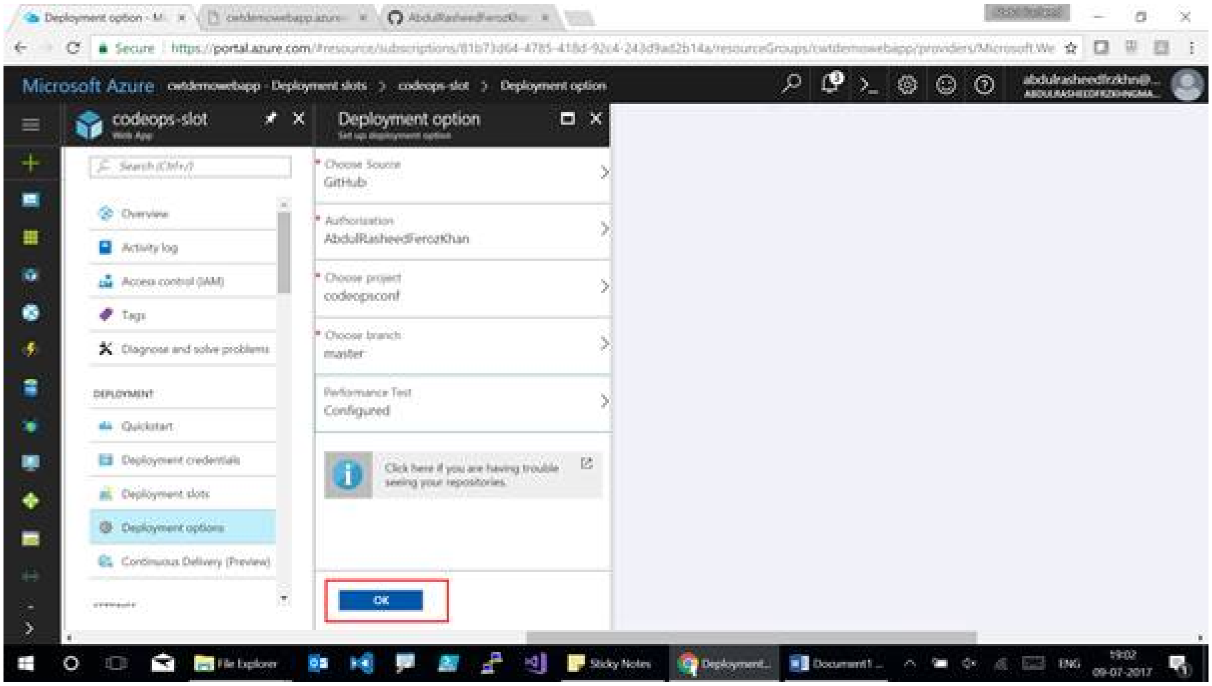
NAME
PerfTest01

GENERATE LOAD FROM
Southeast Asia (Web app Location)

USER LOAD
250

DURATION (MINUTES)
5

OK



Deployment option
Set up deployment option

Choose Source: GitHub

Authorization: AbdulRasheedFerozKhan

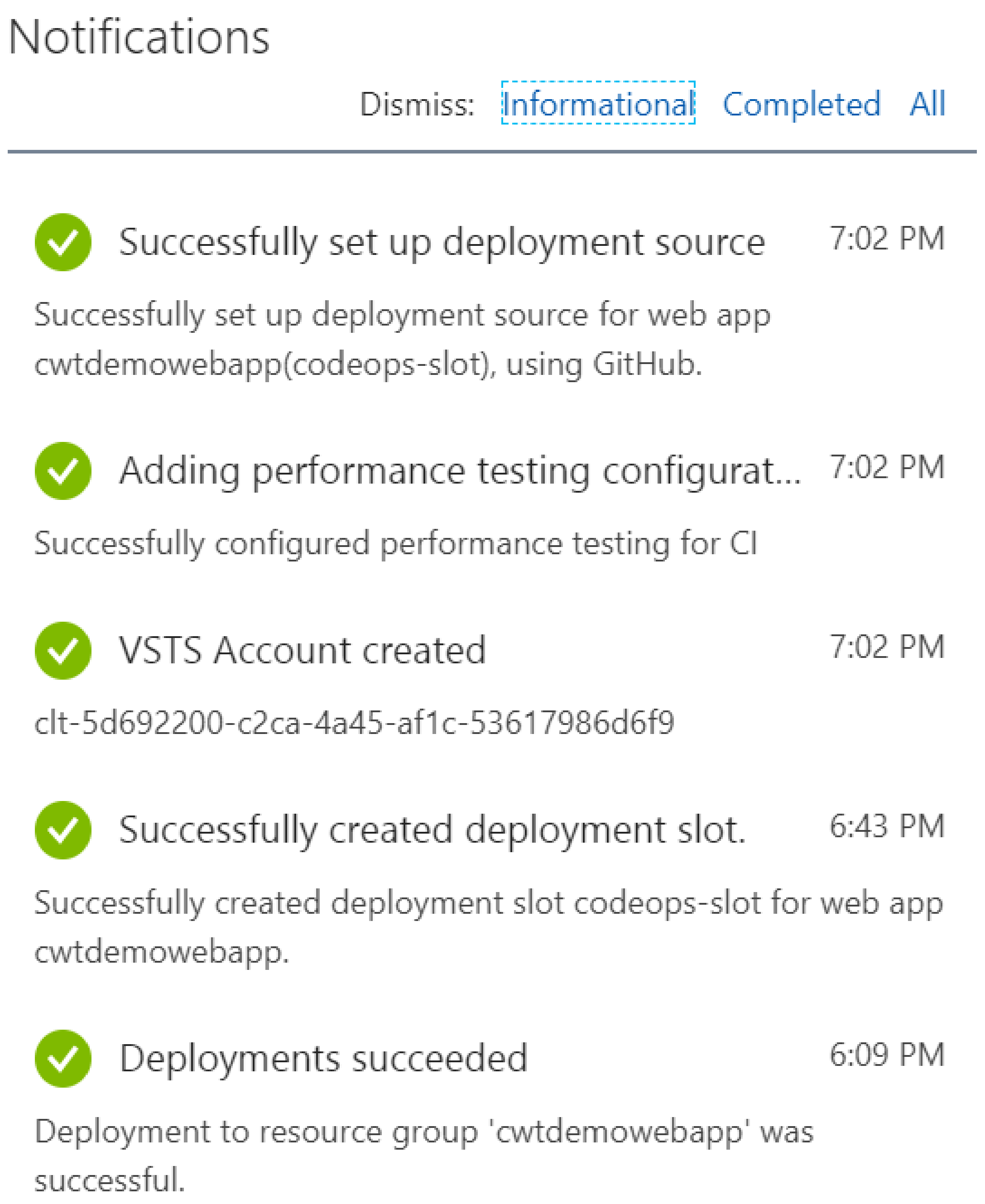
Choose project: codeopsconf

Choose branch: master

Performance Test: Configured

Click here if you are having trouble seeing your repositories.

Here goes the notification for the deployment source and performance test which was configured now.



✓ Successfully set up deployment source 7:02 PM

Successfully set up deployment source for web app cwtdemowebapp(codeops-slot), using GitHub.

✓ Adding performance testing configurat... 7:02 PM

Successfully configured performance testing for CI

✓ VSTS Account created 7:02 PM

clt-5d692200-c2ca-4a45-af1c-53617986d6f9

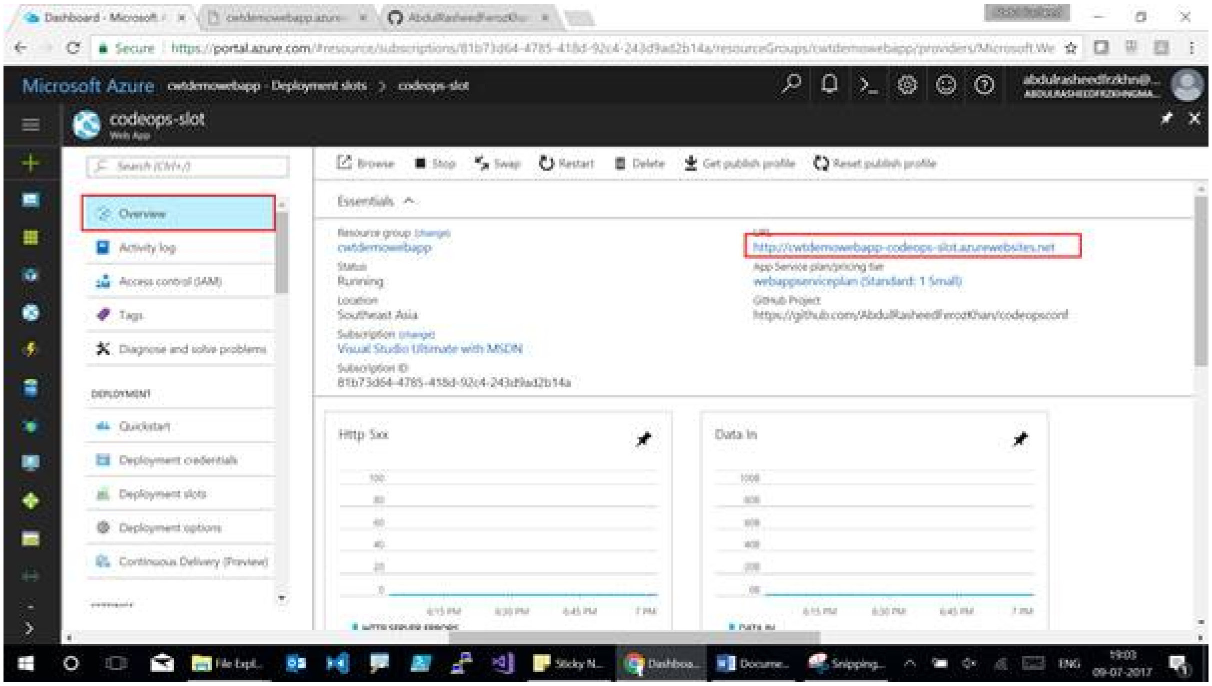
✓ Successfully created deployment slot. 6:43 PM

Successfully created deployment slot codeops-slot for web app cwtdemowebapp.

✓ Deployments succeeded 6:09 PM

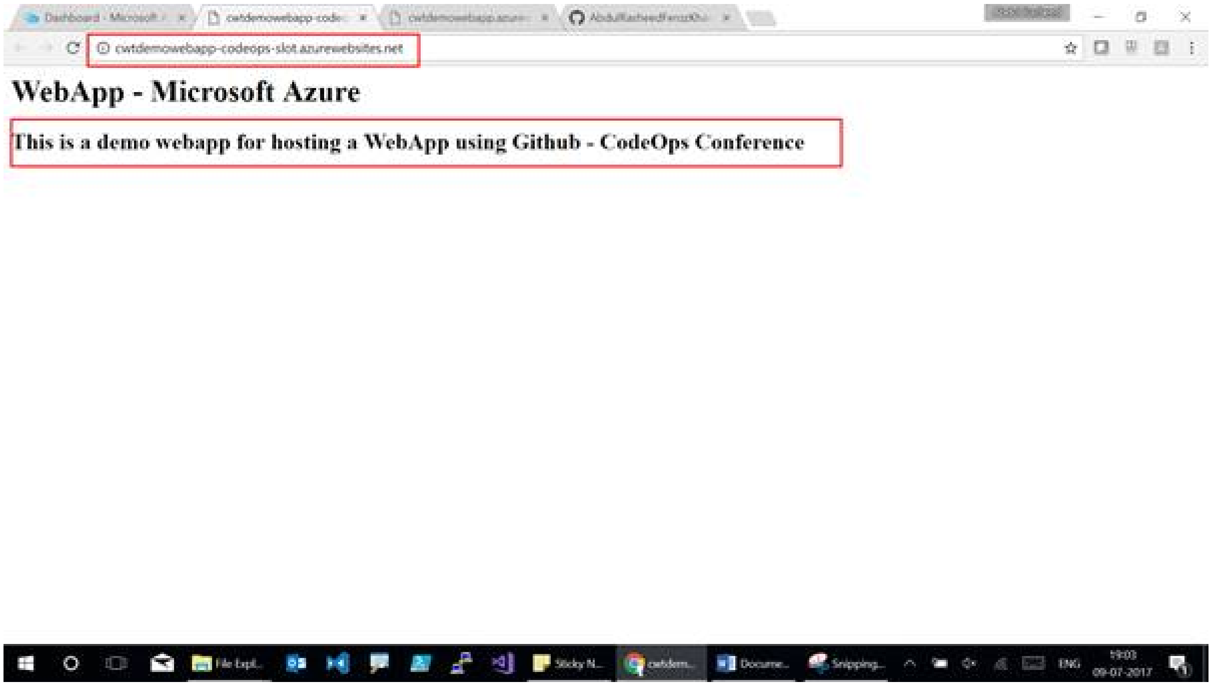
Deployment to resource group 'cwtdemowebapp' was successful.

Go to the Overview of the new Deployment Slot and click on the URL. This will take you to the new content of the HTML file which has been hosted on the GitHub.



Resource group (change)
cwtdemowebapp
Status
Running
Location
Southeast Asia
Subscription (change)
Visual Studio Ultimate with MSDN
Subscription ID
81b73d64-4785-418d-92c4-243d9ad2b14a

URL
http://cwtdemowebapp-codeops-slot.azurewebsites.net
App Service plan/pricing tier
webappserviceplan (Standard: 1 Small)
GitHub Project
https://github.com/AbdulRasheedFerozKhan/codeopsconf



WebApp - Microsoft Azure

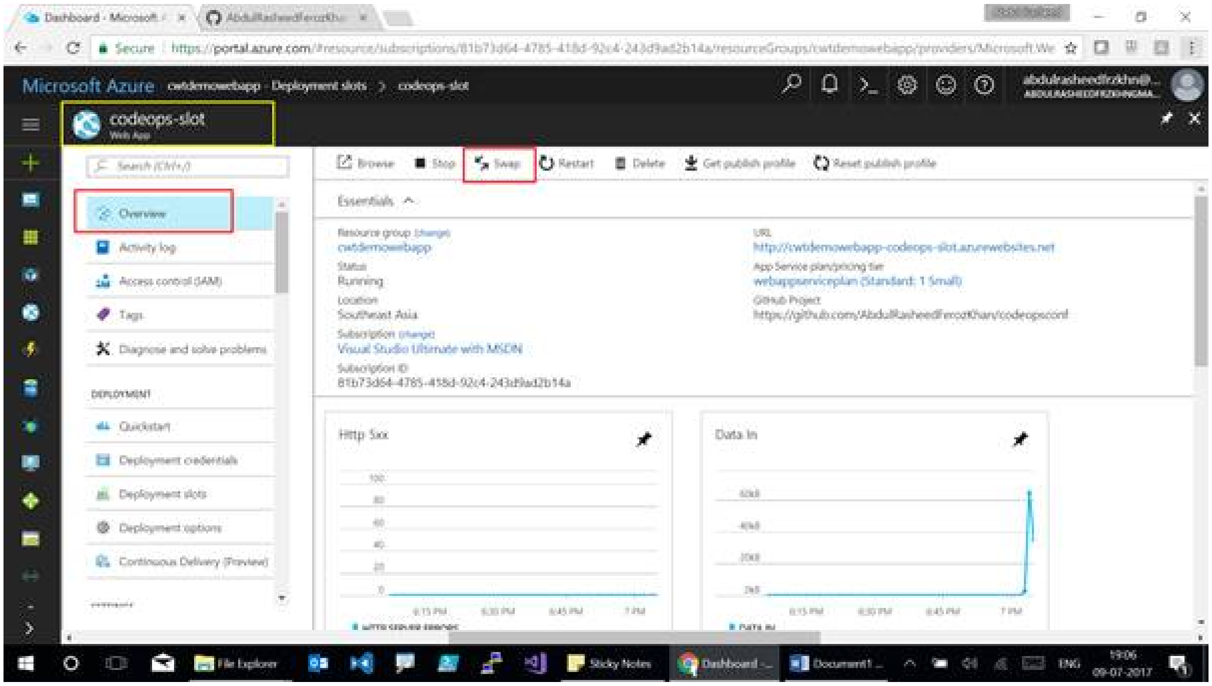
This is a demo webapp for hosting a WebApp using Github - CodeOps Conference

Exercise 5 Swap using Deployment Slots

Swap allows you to get swapped between the different versions of the WebApp which has been created.

Step 11

Go to the Overview of the new deployment slot which was created and click on "Swap" to swap the sites.



Resource group (change)
cwtdemowebapp

Status
Running

Location
Southeast Asia

Subscription (change)
Visual Studio Ultimate with MSDN

Subscription ID
81b73d64-4785-418d-92c4-243d9ad2b14a

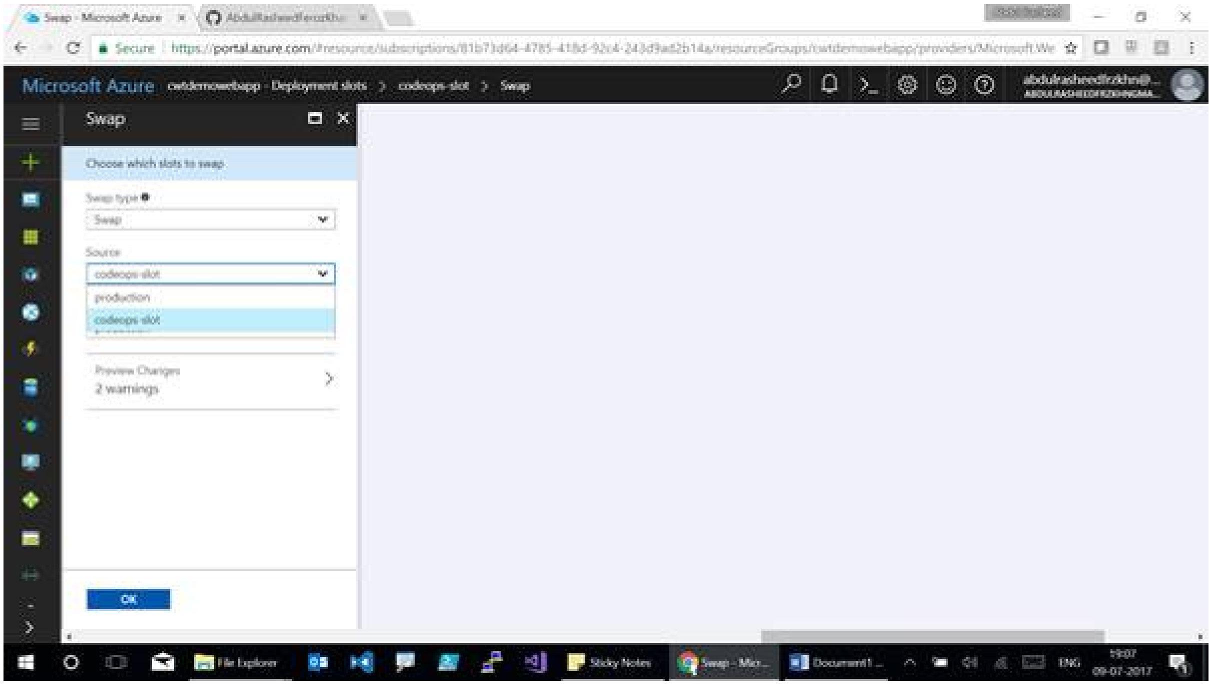
URL
http://cwtdemowebapp-codeops-slot.azurewebsites.net

App Service plan/pricing tier
webappserviceplan (Standard: 1 Small)

GitHub Project
https://github.com/AbdulRasheedFerozKhan/codeopsconf

This takes you to the Swap blade. Select the Swap type, source either from the production site or the secondary site, destination towards the production site or secondary site.

Production site refers to the master site whereas the Secondary site refers to the slot which has been created.

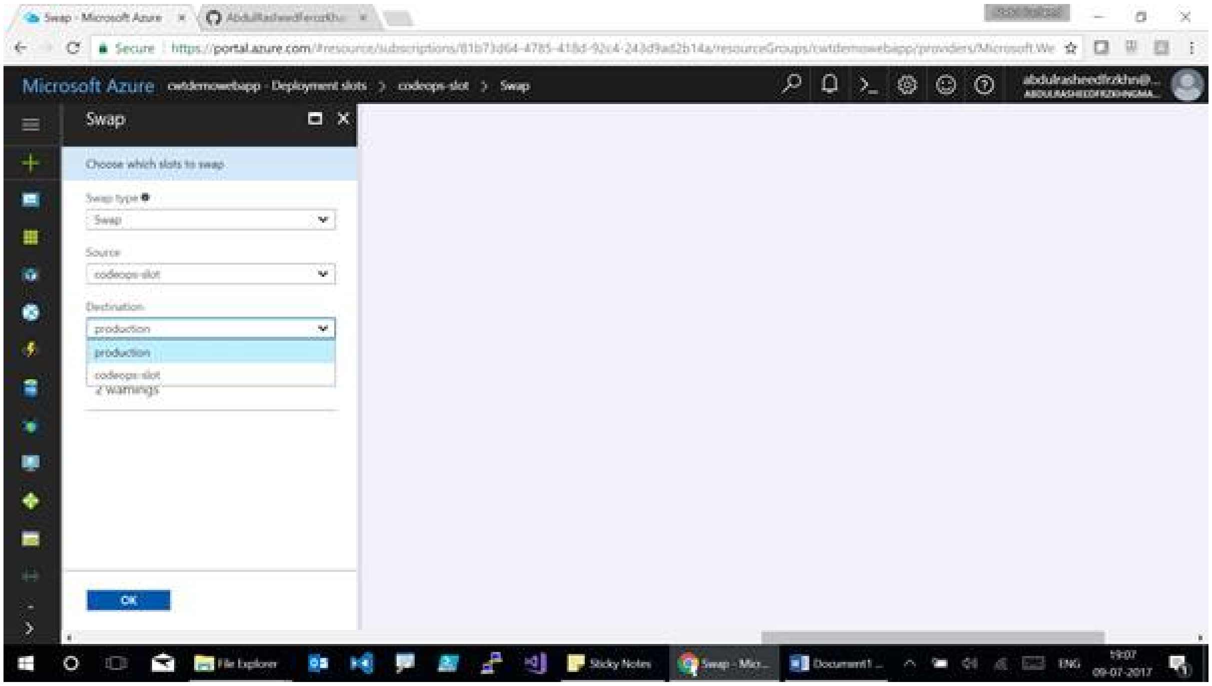

Swap - Microsoft Azure
AbdulRasheedFerozKhan
Secure | https://portal.azure.com/#resource/subscriptions/81b73d64-4785-418d-92c4-243d9ad2b14a/resourceGroups/cwtdemowebapp/providers/Microsoft.We
Microsoft Azure
cwtdemowebapp - Deployment slots > codeops-slot > Swap
Swap
Choose which slots to swap
production
codeops-slot
OK
File Explorer
Sticky Notes
Swap - Micr...
Document1 -...
ENG
19:07
09-07-2017

Swap type
Swap

Source
codeops-slot

Preview Changes
2 warnings

Once configured, click on OK.



Choose which slots to swap

Swap type: Swap

Source: codeops-slot

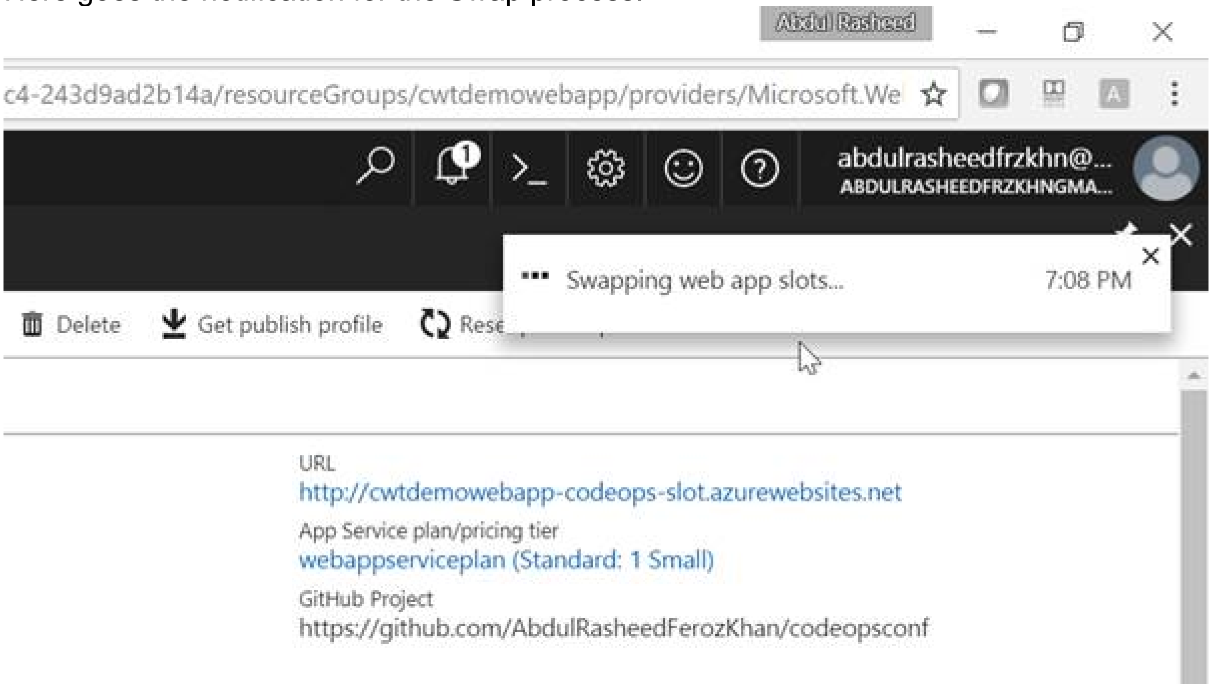
Destination: production

production

codeops-slot

2 warnings

Here goes the notification for the Swap process.



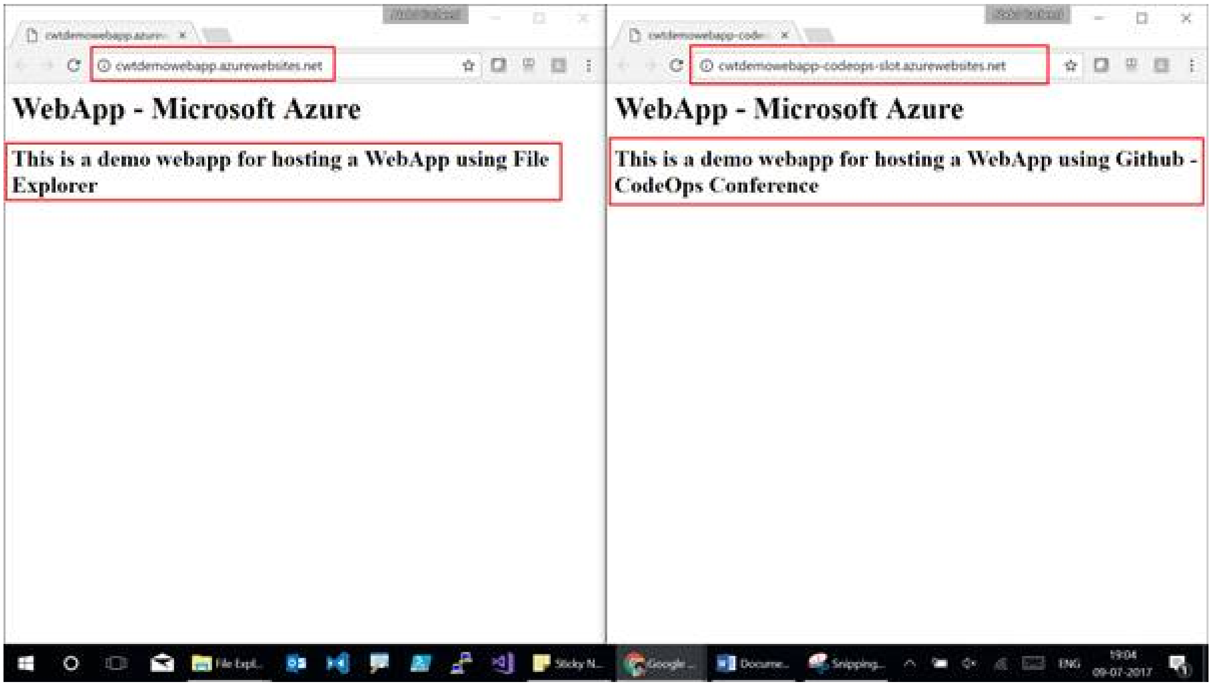
Swapping web app slots... 7:08 PM

URL
http://cwtdemowebapp-codeops-slot.azurewebsites.net

App Service plan/pricing tier
webappserviceplan (Standard: 1 Small)

GitHub Project
https://github.com/AbdulRasheedFerozKhan/codeopsconf

Go for both WebApp links and browse for the content, you can find the different versions of the WebApp between the slots and production site.



cwtdemowebapp.azurewebsites.net

WebApp - Microsoft Azure

This is a demo webapp for hosting a WebApp using File Explorer

cwtdemowebapp-codeops-slot.azurewebsites.net

WebApp - Microsoft Azure

This is a demo webapp for hosting a WebApp using Github - CodeOps Conference

Thank you for using C# Corner