

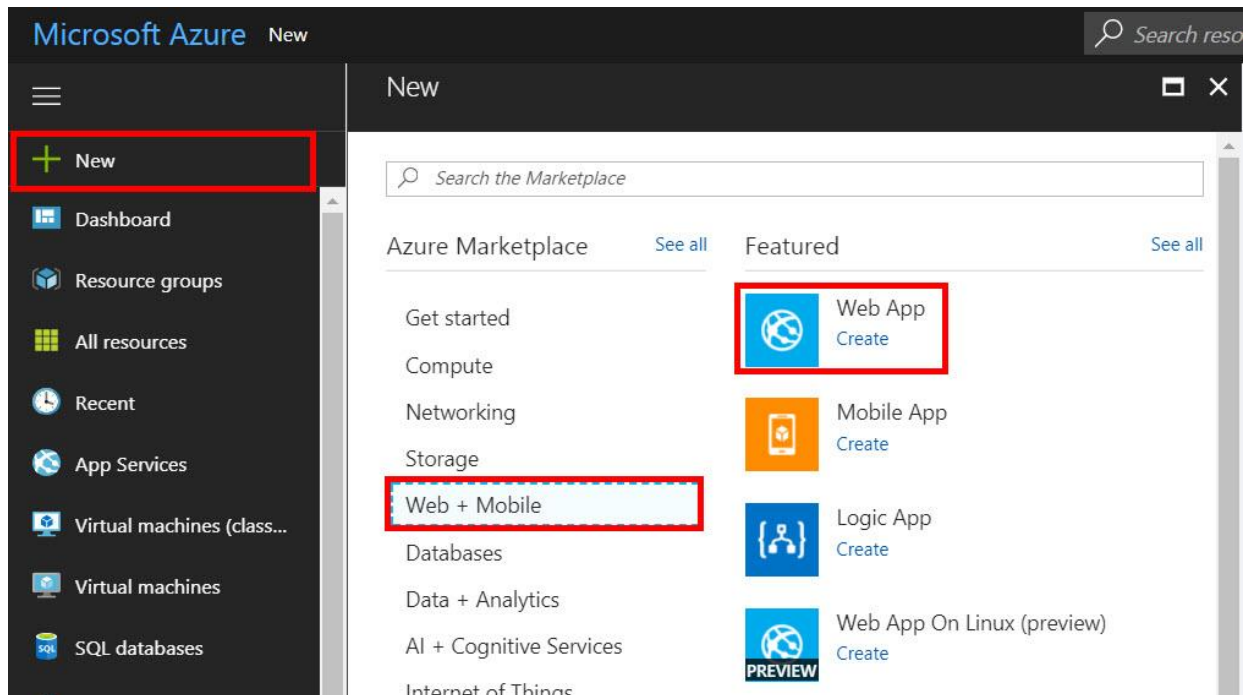
Configure Traffic Manager with Azure Web Apps

Step 1: Open Azure Portal

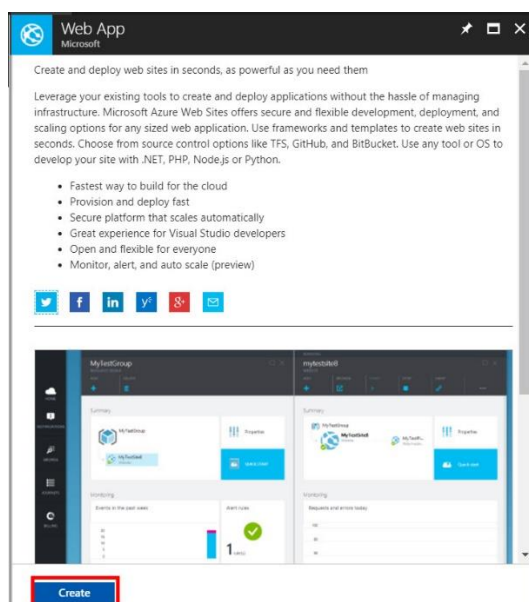
<https://portal.azure.com/>

Step 2: Create a New Web App

+New -> Web + Mobile -> Web App



Step 3: Create Web App



Step 4: Enter first unique Web App Name, Create New Resource Group & Create new app service plan in “East US” location.

Note: for this demo, we are going with Standard Pricing tier because only Standard & Premium Pricing tier supports Azure Traffic Manager.

The screenshot displays three panels in the Azure portal:

- Web App (Create):**
 - App name:** webapp-eu (checked)
 - Subscription:** Visual Studio Enterprise
 - Resource Group:** Create new (selected), webapptmRG (checked)
 - OS:** Windows (selected), Linux (Preview)
 - App Service plan/Location:** ServicePland380d91b-a55c(Sout...) (checked) **1**
 - Application Insights:** On (selected), Off
 - Create:** (button) **4**
- App Service plan (Select a plan for the web app):**
 - Create New:** (button) **2**
 - ServicePland380d91b-a55c(S1) (New):** South Central US, New Plan
- New App Service Plan (Create a plan for the web app):**
 - App Service plan:** WebAppTMPlan (checked)
 - Location:** East US
 - Pricing tier:** S1 Standard
 - OK:** (button) **3**

After entering all details it will look like as below:

The 'Web App' creation form is shown with the following details:

- App name:** webapp-eu (checked)
- Subscription:** Visual Studio Enterprise
- Resource Group:** Create new (selected), webapptmRG (checked)
- OS:** Windows (selected), Linux (Preview)
- App Service plan/Location:** WebAppTMPlan(East US) (checked)
- Application Insights:** On (selected), Off
- Create:** (button) **4**

Step 5: Start Notepad & enter below HTML code with Region location.

A screenshot of a Notepad window titled 'index - Notepad'. The window has a menu bar with 'File', 'Edit', 'Format', 'View', and 'Help'. The text area contains the following HTML code:

```
<html>
<title>
</title>
<body>
<h1>Hi from East US - Azure Traffic Manager</h1>
</body>
</html>
```

The entire code block is enclosed in a red rectangular border.

`<html>`

`<title>`

`</title>`

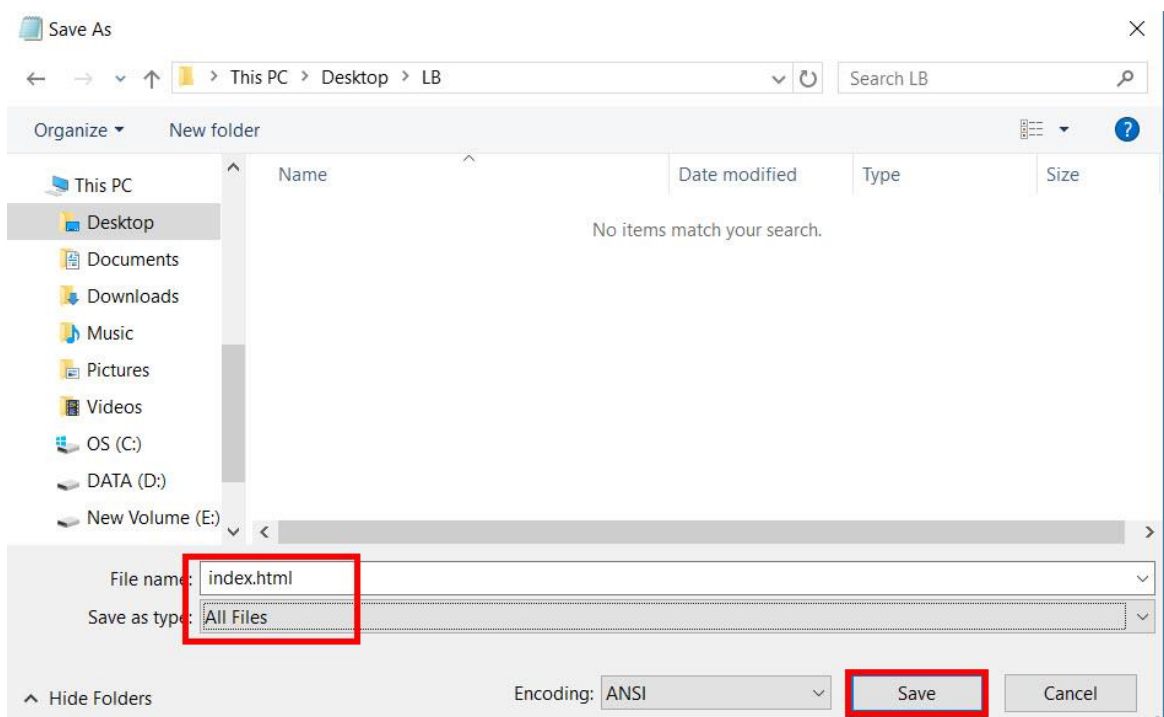
`<body>`

`<h1>Hi from East US - Azure Traffic Manager</h1>`

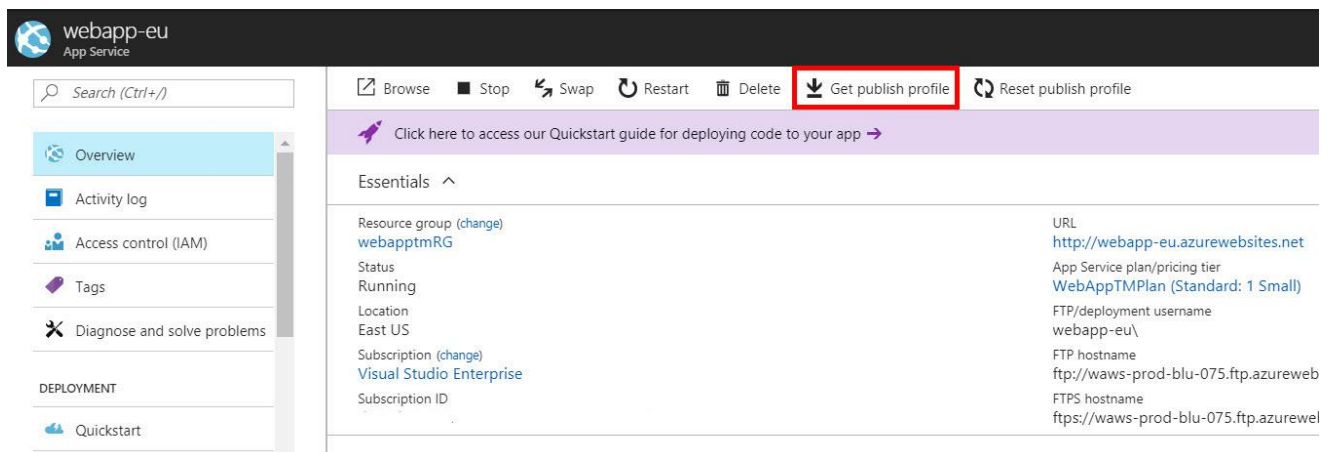
`</body>`

`</html>`

Save it as **index.html**



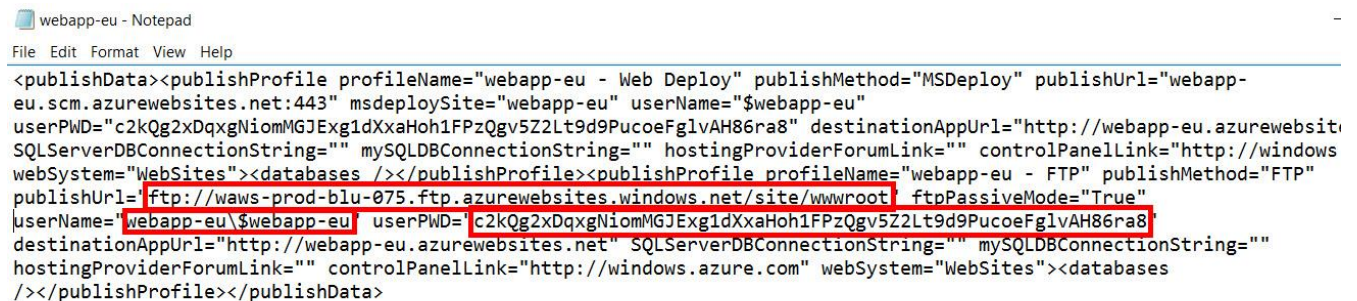
Step 6: Navigate to Azure Portal & click on “Get Publish Profile”



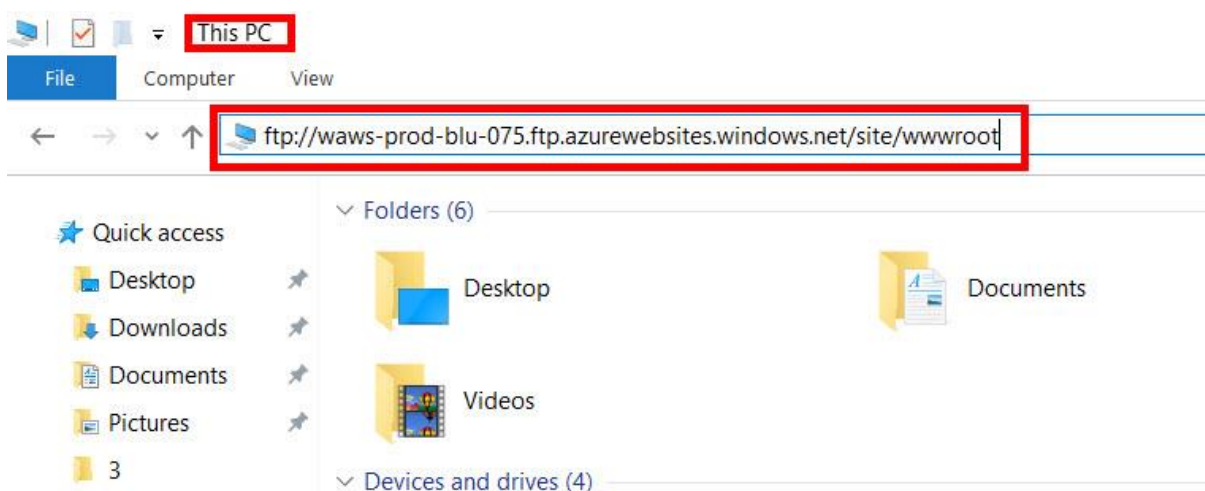
After clicking on “Get Publish Profile”, one publish settings file will download



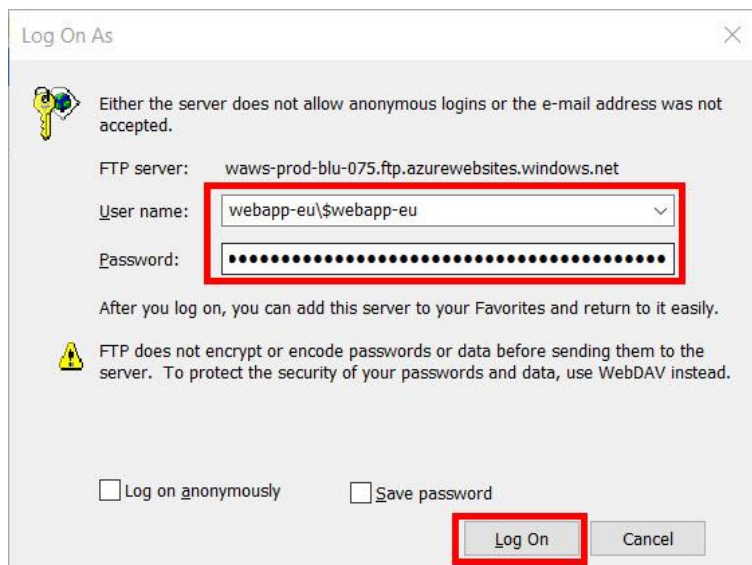
Open in any Notepad editor



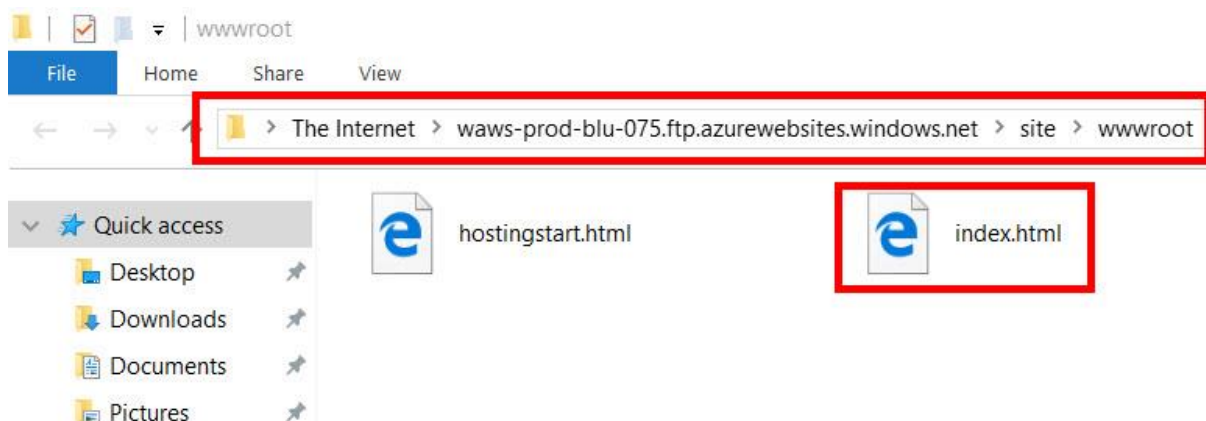
Step 7: Open “This PC”. Paste Publish URL in address & hit enter.



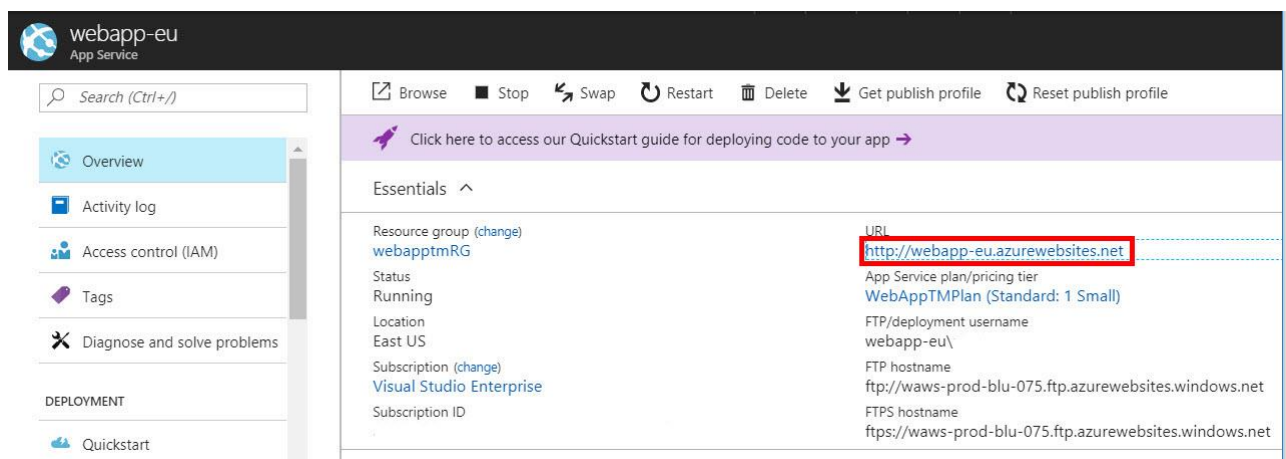
Step 8: Enter Username & Password from Publish Profile file.



Step 9: Copy-Paste **index.html** file from local machine to azure cloud folder.



Step 10: Adding **index.html** file navigate to Azure Portal & click on URL.

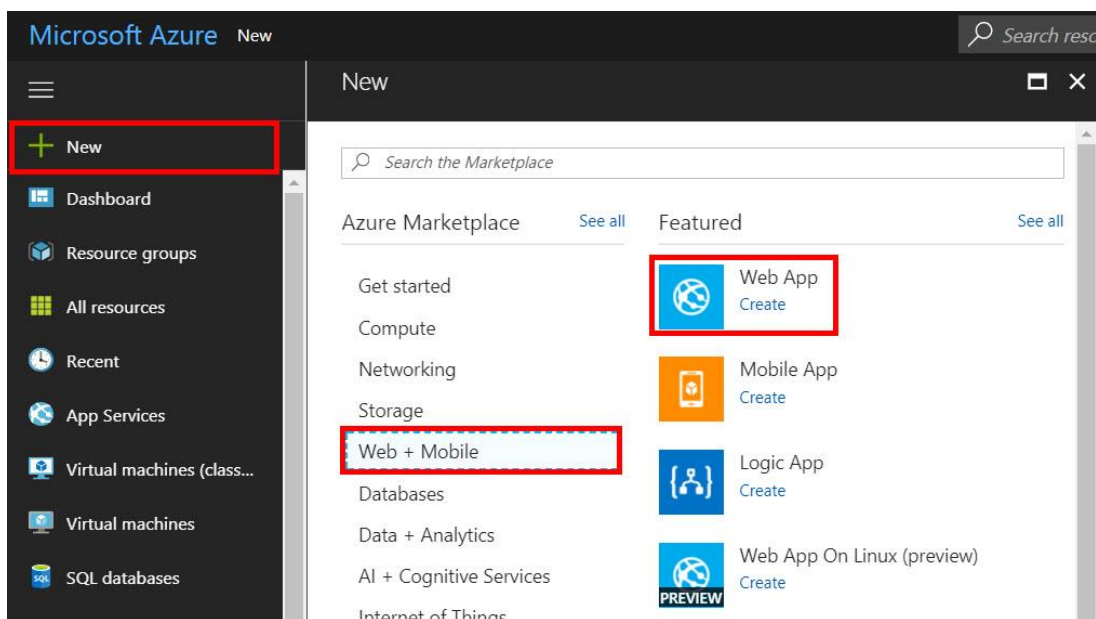


First Web App hosted on East US will open

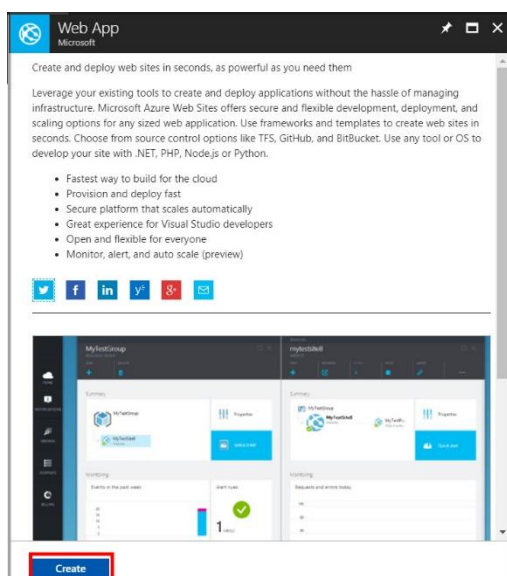


Step 11: Again, Create second Web App

+New -> Web + Mobile -> Web App



Step 12: Click on “Create” button.



Step 13: Enter Second Web App Name, Choose Existing Resource Group, Change location to “Central India”.

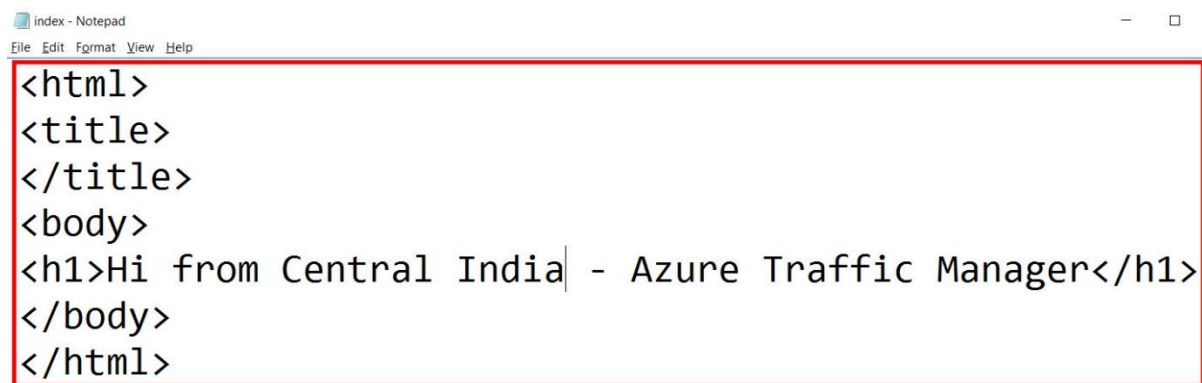
The screenshot displays three panels in the Azure portal:

- Web App Create:**
 - 1. **App name:** webapp-ci (with .azurewebsites.net domain)
 - Subscription:** Visual Studio Enterprise
 - Resource Group:** webapptmRG (selected under 'Use existing')
 - OS:** Windows
 - 2. **App Service plan/Location:** WebAppTMPlan(East US)
 - Application Insights: On/Off toggle
 - Pin to dashboard: ☐
 - Create** button and Automation options
- App Service plan Select a plan for the web app:**
 - Information: 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.
 - 3. **Create New** button
 - WebAppTMPlan(S1) East US (1 instance(s))
- New App Service Plan Create a plan for the web app:**
 - App Service plan:** WebAppCIPlan
 - Location:** Central India
 - Pricing tier:** S1 Standard
 - 3. **OK** button

This screenshot shows the 'Web App Create' form with the following configuration:

- App name:** webapp-ci (with .azurewebsites.net domain)
- Subscription:** Visual Studio Enterprise
- Resource Group:** webapptmRG (selected under 'Use existing')
- OS:** Windows
- 4. **App Service plan/Location:** WebAppCIPlan(Central India)
- Application Insights: On/Off toggle
- Pin to dashboard: ☒
- Create** button and Automation options

Step 14: Open index.html file & edit with “Central India” region



```
<html>
<title>
</title>
<body>
<h1>Hi from Central India - Azure Traffic Manager</h1>
</body>
</html>
```

<html>

<title>

</title>

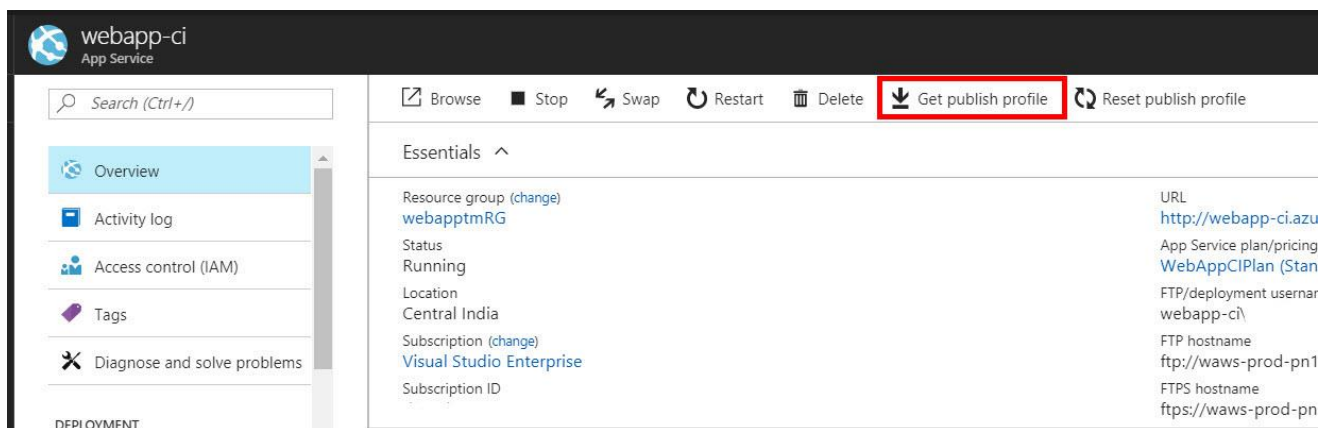
<body>

<h1>Hi from Central India - Azure Traffic Manager</h1>

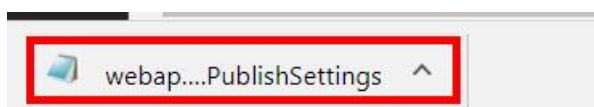
</body>

</html>

Step 15: To upload index.html on Azure please click on “Get Publish Profile” button



Click on Publish Settings file

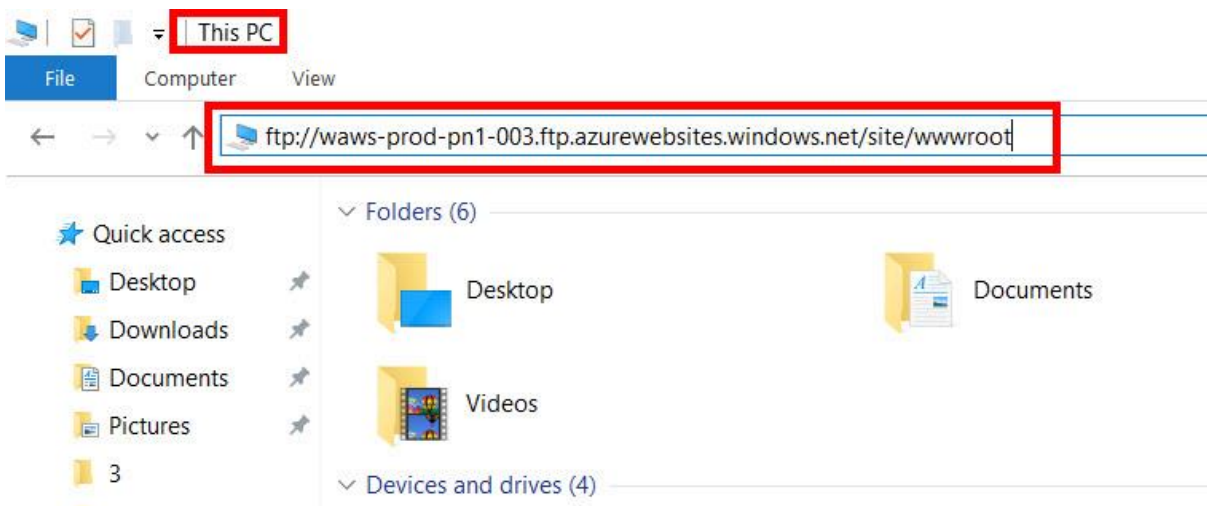


Copy Publish URL, Username & Password.

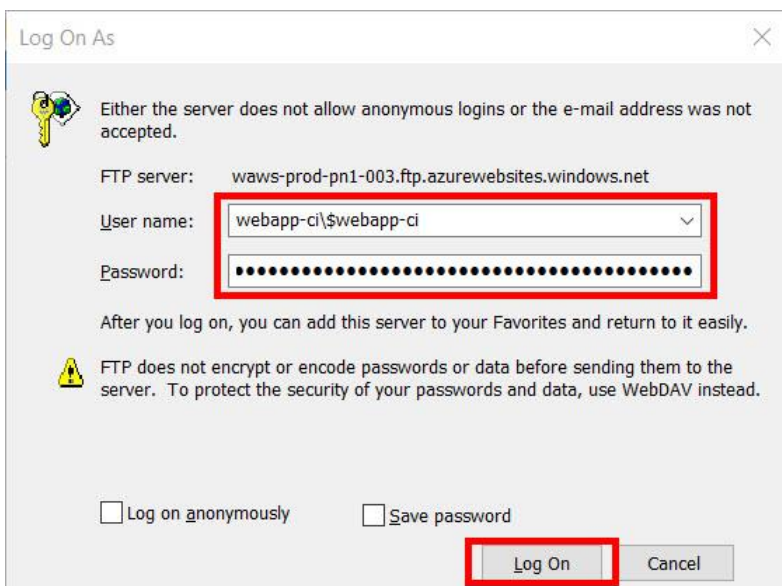


```
<publishData><publishProfile profileName="webapp-ci - Web Deploy" publishMethod="MSDeploy"
publishUrl="webapp-ci.scm.azurewebsites.net:443" msdeploySite="webapp-ci" userName="$webapp-ci"
userPWD="NA4ANgKmchba0WfS0RMfrPurHiWx5BZebFv5Q7warTi8jqkn7jtliEAKRF5o"
destinationAppUrl="http://webapp-ci.azurewebsites.net" SQLServerDBConnectionString=""
mySQLDBConnectionString="" hostingProviderForumLink="" controlPanellink="http://windows.azure.com"
webSystem="WebSites"><databases /></publishProfile><publishProfile profileName="webapp-ci - FTP"
publishMethod="FTP" publishUrl="ftp://waws-prod-pn1-003.ftp.azurewebsites.windows.net/site/wwwroot"
ftpPassiveMode="True" userName="webapp-ci\$webapp-ci"
userPWD="NA4ANgKmchba0WfS0RMfrPurHiWx5BZebFv5Q7warTi8jqkn7jtliEAKRF5o"
destinationAppUrl="http://webapp-ci.azurewebsites.net" SQLServerDBConnectionString=""
mySQLDBConnectionString="" hostingProviderForumLink="" controlPanellink="http://windows.azure.com"
webSystem="WebSites"><databases /></publishProfile></publishData>
```

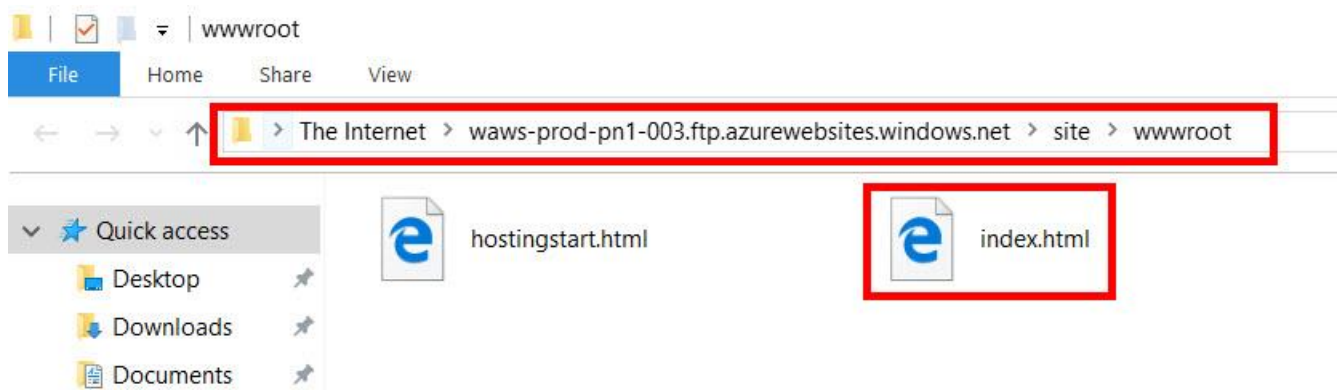
Step 16: Open “This PC” & paste publish url in address



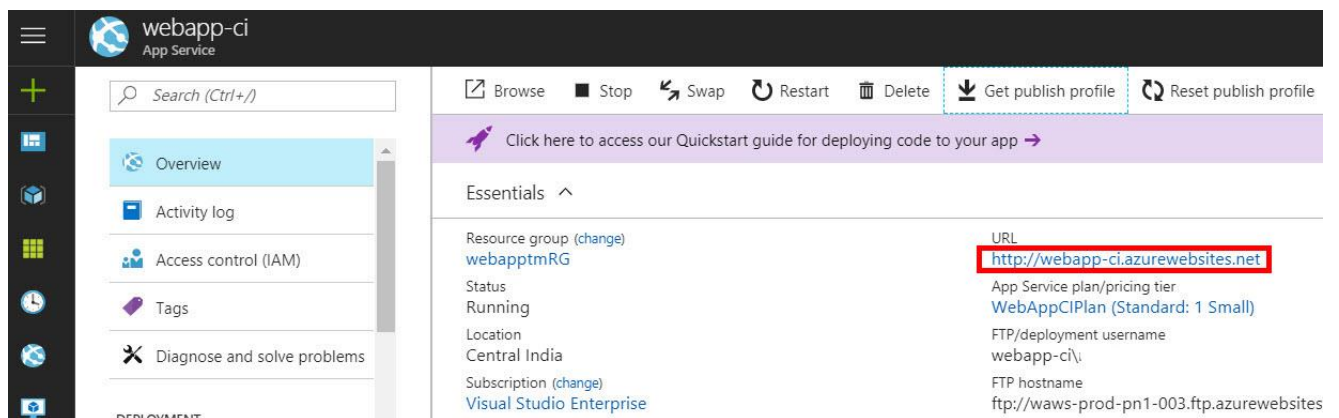
Step 17: Enter Web App Username & Password from Publish Profile file



Step 18: Copy-Paste index.html file from Local machine to Azure folder.



Step 19: To run web app click on URL.



Second Web App hosted on “**Central India**” region successfully running.



Step 20: Third time we are creating Web App with different location. Enter Web App name, choose existing resource group, Create New App Service Plan on “Japan West”

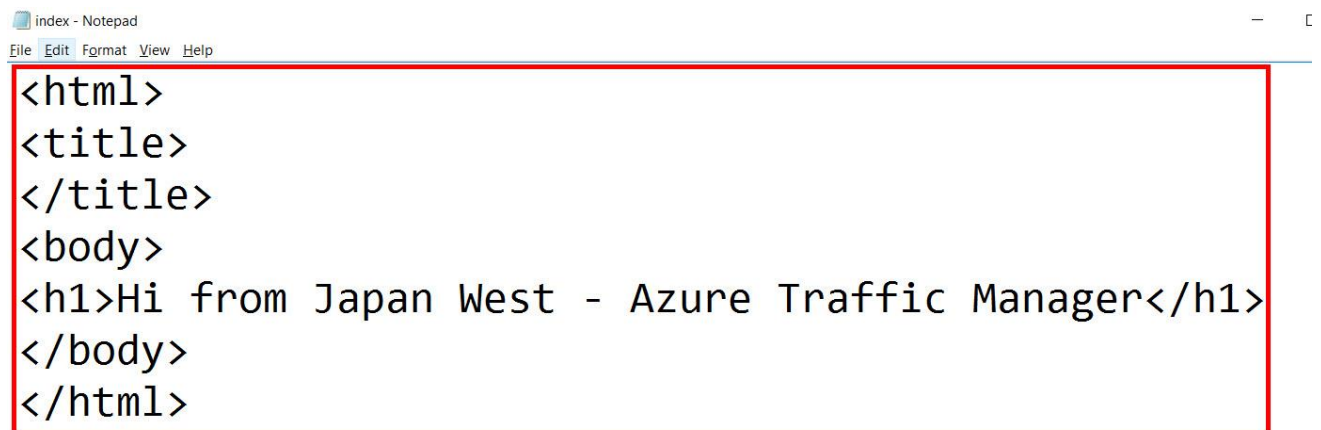
The screenshot displays three panels from the Azure portal:

- Web App (Create):** Shows the initial configuration. The 'App name' is 'webapp-jw'. The 'Resource Group' is 'webapptmRG'. The 'App Service plan/Location' dropdown is highlighted with a red box and a red circle with the number 1.
- App Service plan:** Shows the selection of a plan. The 'Create New' button is highlighted with a red box and a red circle with the number 2.
- New App Service Plan:** Shows the configuration for a new plan. The 'App Service plan' dropdown is set to 'WebAppJWPlan', the 'Location' is 'Japan West', and the 'Pricing tier' is 'S1 Standard'. The 'OK' button is highlighted with a red box and a red circle with the number 4.

The screenshot shows the 'Web App (Create)' form with the following configuration:

- App name:** webapp-jw
- Subscription:** Visual Studio Enterprise
- Resource Group:** webapptmRG (Use existing)
- OS:** Windows
- App Service plan/Location:** WebAppJWPlan(Japan West) (highlighted with a red box)
- Application Insights:** Off
- Pin to dashboard:** Checked
- Create button:** Highlighted with a red box

Step 21: again open index.html file & edit with “Japan West” region



```
<html>
<title>
</title>
<body>
<h1>Hi from Japan West - Azure Traffic Manager</h1>
</body>
</html>
```

<html>

<title>

</title>

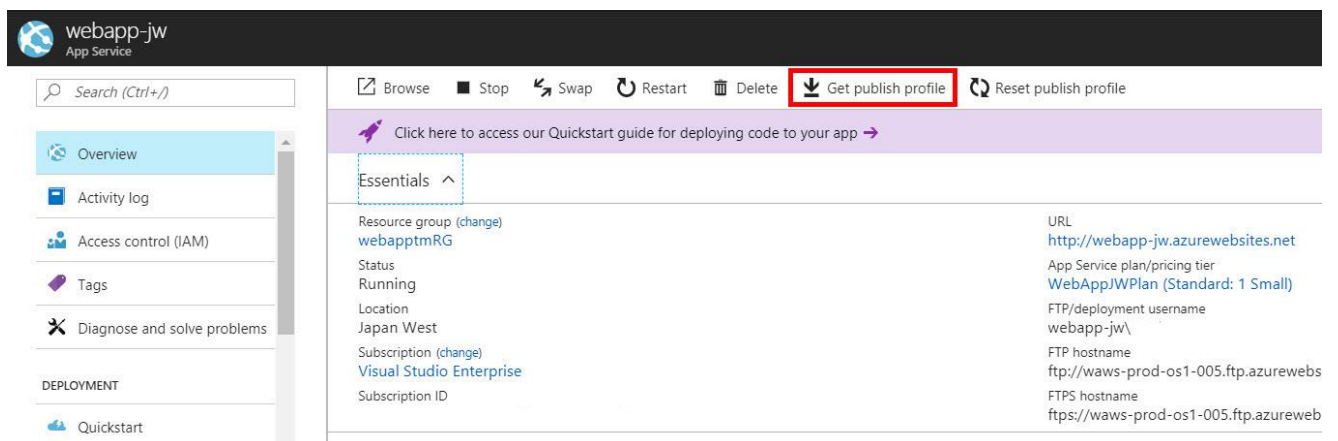
<body>

<h1>Hi from Japan West - Azure Traffic Manager</h1>

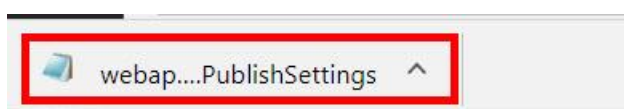
</body>

</html>

Step 22: Click on “Get Publish Profile” to download the Publish Profile file.



Click on publish settings file

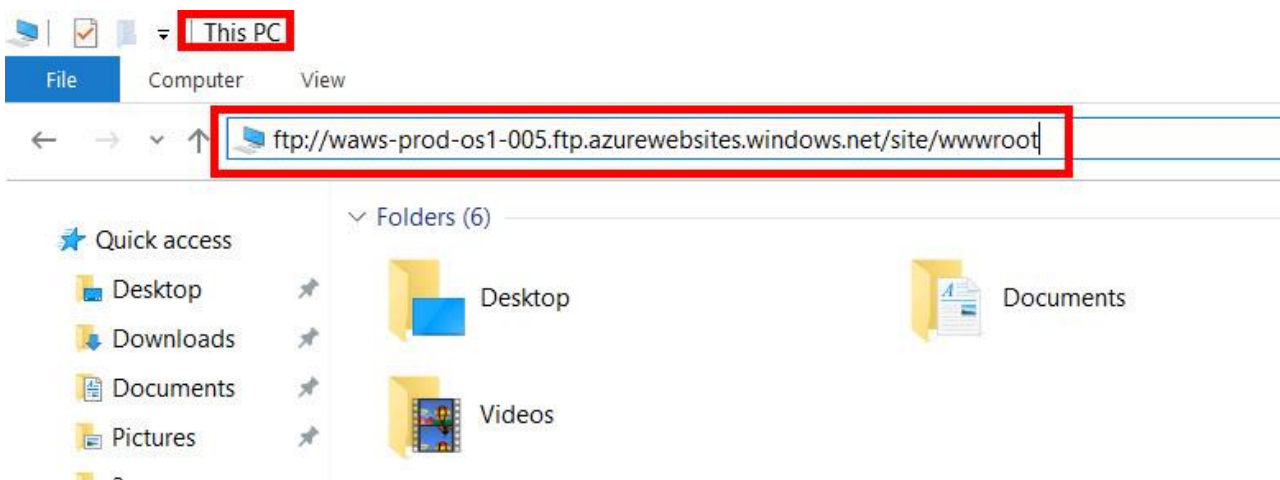


Step 23: Copy Publish URL, Username & Password

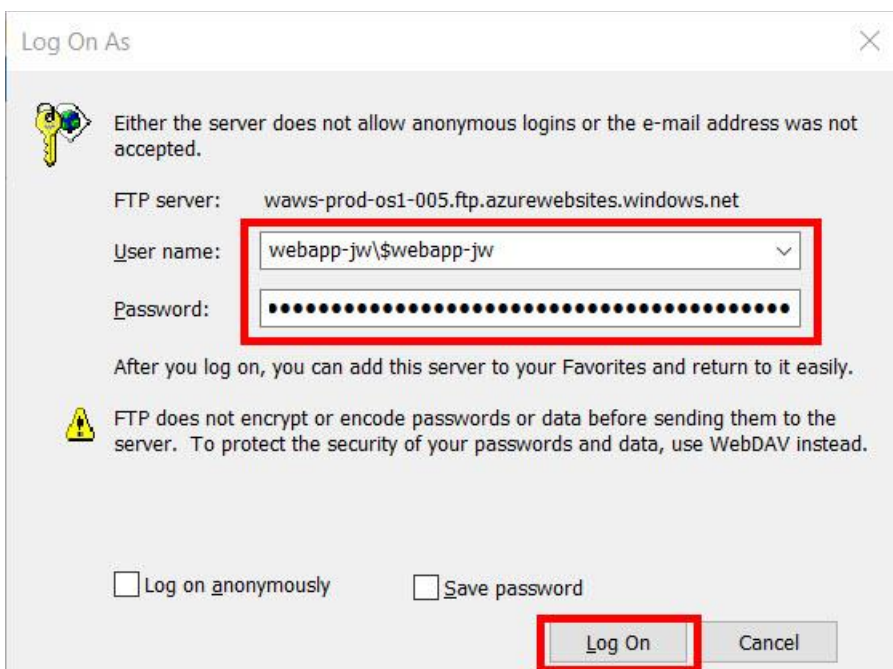


```
<publishData><publishProfile profileName="webapp-jw - Web Deploy" publishMethod="MSDeploy"
publishUrl="webapp-jw.scm.azurewebsites.net:443" msdeploySite="webapp-jw" userName="$webapp-jw"
userPWD="LQ9WuzgncvdJ6jz33Leh92Pv6apda5toppk1LPkTaLESaRezo0jqpXRd6hWi"
destinationAppUrl="http://webapp-jw.azurewebsites.net" SQLServerDBConnectionString=""
mySQLDBConnectionString="" hostingProviderForumLink="" controlPanelLink="http://windows.azure.com"
webSystem="WebSites"><databases /></publishProfile><publishProfile profileName="webapp-jw - FTP"
publishMethod="FTP" publishUrl="ftp://waws-prod-os1-005.ftp.azurewebsites.windows.net/site/wwwroot"
ftpPassiveMode="True" userName="webapp-jw\$webapp-jw"
userPWD="LQ9WuzgncvdJ6jz33Leh92Pv6apda5toppk1LPkTaLESaRezo0jqpXRd6hWi"
destinationAppUrl="http://webapp-jw.azurewebsites.net" SQLServerDBConnectionString=""
mySQLDBConnectionString="" hostingProviderForumLink="" controlPanelLink="http://windows.azure.com"
webSystem="WebSites"><databases /></publishProfile></publishData>
```

Step 24: Open "This PC" & Paste publish URL in address



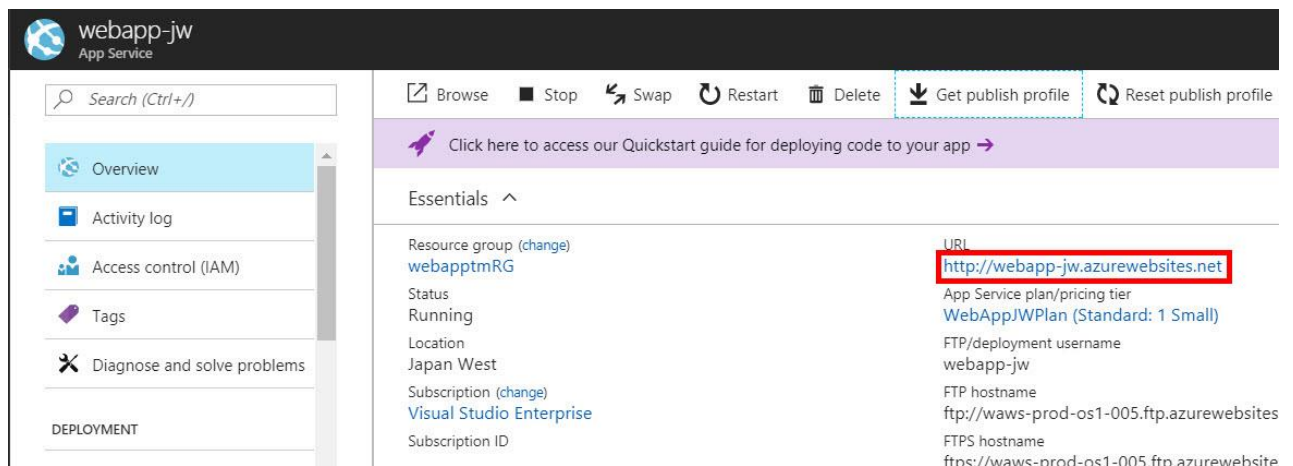
Step 25: Enter Username & Password from Publish Profile file.



Step 26: Copy index.html file from local machine to Azure Web App folder.



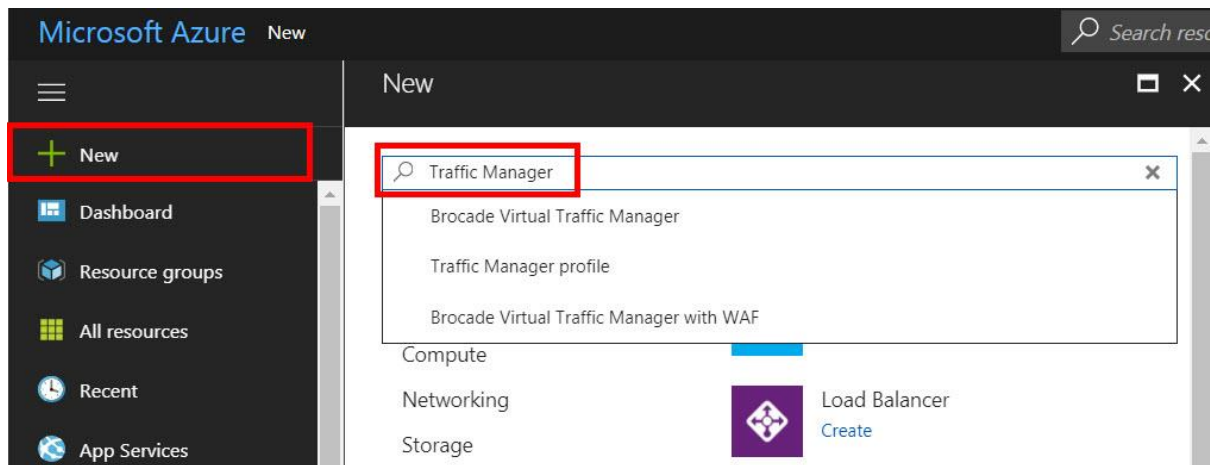
Step 27: Click on URL to check web app successfully working or not.



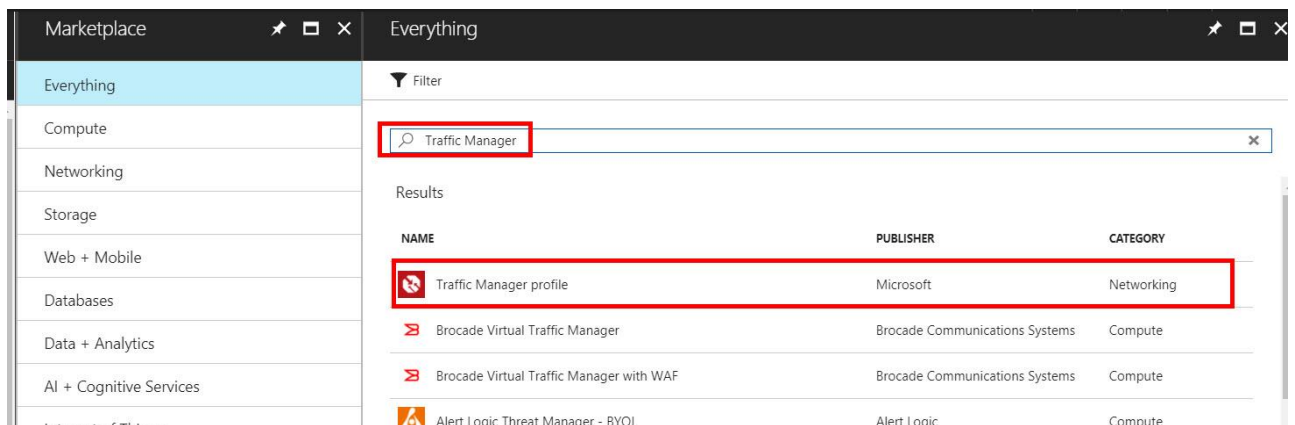
Third Web App hosted on “**Japan West**” region successfully running.



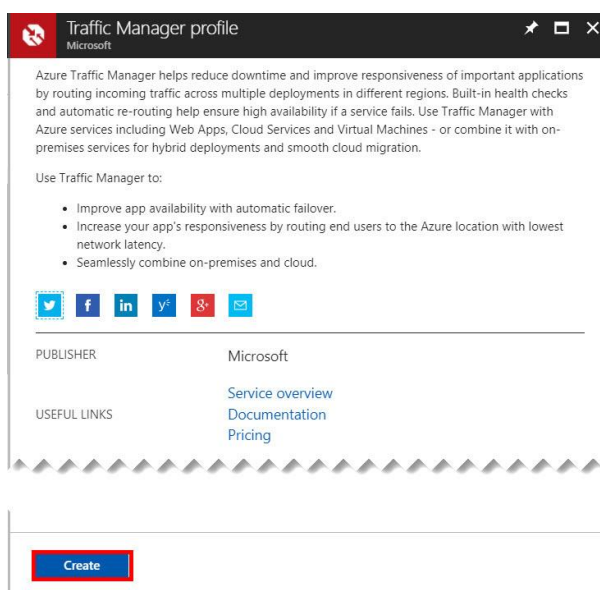
Step 28: Create Traffic Manager Profile. Click on +New & search for “Traffic Manager”. Hit enter to get the result.



Select “Traffic Manager Profile” option



Click on “Create” button



Step 29: Enter Traffic Manager Profile Name, Routing method, Choose existing resource group.

Note: For this demo, we are going with “Performance” routing methods.

Routing Methods: 1) Performance

2) Weighted

3) Priority

4) Geographic

Create Traffic Manager profile

* Name
webapptm01 ✓
..trafficmanager.net

Routing method
Performance

* Subscription
Visual Studio Enterprise

Resource group
☐ Create new ☒ Use existing
webapptmRG

* Resource group location
South Central US

☒ Pin to dashboard

Create Automation options

Step 30: After creating Traffic Manager Profile please select “Endpoints” option

webapptm01 - Endpoints
Traffic Manager profile

+ Add Refresh

Search (Ctrl+/)

Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems

SETTINGS
Configuration
Endpoints
Properties
Locks

Search endpoints

NAME	STATUS	MONITOR STATUS
No results.		

Step 31: Enter endpoint details:

Type: Azure Endpoint

Name: Any Name. Ex. **Web1**

Target resource type: App Service because we have created Web App

Target resource: choose one-by-one web app or resources. (Ex. **Central India Web App**)

Add endpoint
webapptm01

Type
Azure endpoint

* Name
web1

Target resource type
App Service

* Target resource
Choose an app service

☐ Add as disabled

Resource

Resource	Location
webapp-ci webapptmRG	Central India
webapp-eu webapptmRG	East US
webapp-jw webapptmRG	Japan West

OK

Step 32: Again, click on “+Add” option

webapptm01 - Endpoints
Traffic Manager profile

+ Add **Refresh**

NAME	STATUS	MONITOR STATUS	TYPE
web1	Enabled	Checking endpoint	Azure endpoint

Step 33: Enter endpoint details:

Type: Azure Endpoint

Name: Any Name. Ex. **Web2**

Target resource type: App Service because we have created Web App

Target resource: choose one-by-one web app or resources. (Ex. East US Web App)

Add endpoint
webapptm01

Type
Azure endpoint

* Name
web2

Target resource type
App Service

* Target resource
Choose an app service

☐ Add as disabled

OK

Resource

webapp-ci webapptmRG	Central India
webapp-eu webapptmRG	East US
webapp-jw webapptmRG	Japan West

Step 34: Again, click on “+Add” option

webapptm01 - Endpoints
Traffic Manager profile

Search (Ctrl+/)

+ Add Refresh

Search endpoints

NAME	STATUS	MONITOR STATUS	TYPE
web1	Enabled	Online	Azure
web2	Enabled	Checking endpoint	Azure

Step 35: Enter endpoint details:

Type: Azure Endpoint

Name: Any Name. Ex. **Web3**

Target resource type: App Service because we have created Web App

Target resource: choose one-by-one web app or resources. (Ex. Japan West Web App)

Add endpoint
webapptm01

Type
Azure endpoint

Name
web3

Target resource type
App Service

Target resource
Choose an app service

☐ Add as disabled

Resource

- webapp-ci
webapptmRG
Central India
- webapp-eu
webapptmRG
East US
- webapp-jw
webapptmRG
Japan West

OK

Wait for few seconds to configure all three endpoints

webapptm01 - Endpoints
Traffic Manager profile

Search (Ctrl+/)

+ Add Refresh

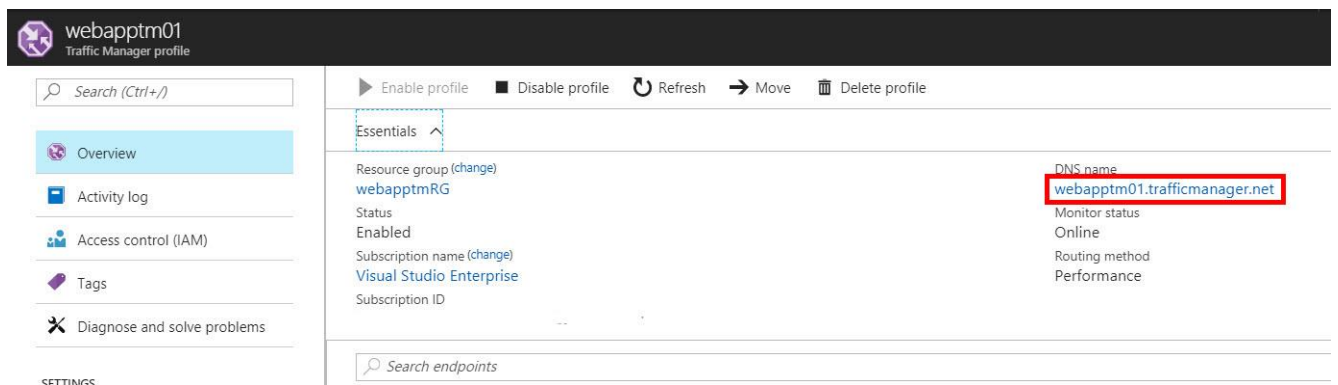
Search endpoints

NAME	STATUS	MONITOR STATUS	TYPE	LOCATION
web1	Enabled	Online	Azure endpoint	Central India
web2	Enabled	Online	Azure endpoint	East US
web3	Enabled	Online	Azure endpoint	Japan West

Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems


SETTINGS
Configuration
Endpoints
Properties
Locks

Step 36: Click on Overview of Traffic Manager & open DNS name to check traffic manager



The screenshot shows the Azure portal interface for the 'webapptm01' Traffic Manager profile. On the left is a navigation pane with options: Overview (selected), Activity log, Access control (IAM), Tags, and Diagnose and solve problems. The main content area has a top bar with actions: Enable profile, Disable profile, Refresh, Move, and Delete profile. Below this is a section titled 'Essentials' containing metadata: Resource group (webapptmRG), Status (Enabled), Subscription name (Visual Studio Enterprise), and Subscription ID. To the right of this metadata is a table with two columns: 'DNS name' and 'Monitor status'. The 'DNS name' row shows 'webapptm01.trafficmanager.net' (highlighted with a red box), and the 'Monitor status' row shows 'Online'. Below the Essentials section is a 'Search endpoints' input field.

Traffic Manager URL will run. Depend on routing method it will call one of the web app from three different location (East US, Central India, Japan West)



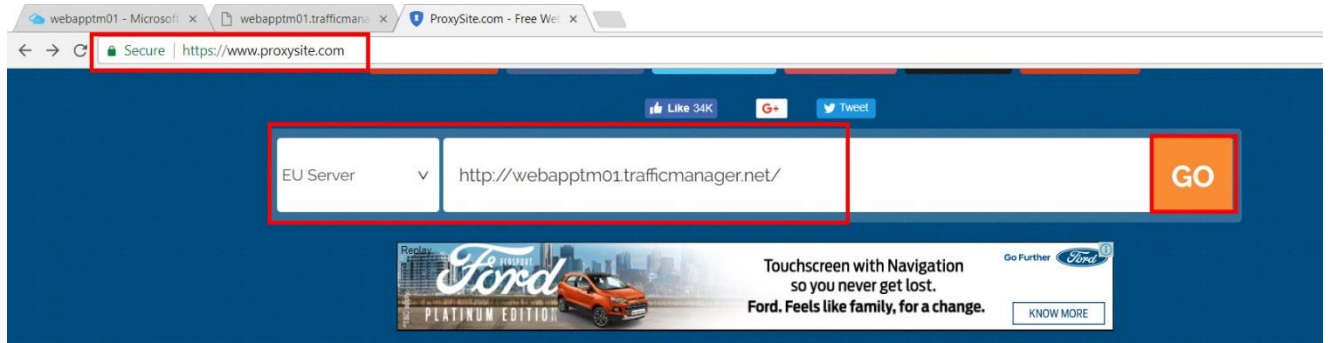
The screenshot shows a web browser window with two tabs: 'webapptm01 - Microsoft' and 'webapptm01.trafficmanager.net'. The address bar shows the URL 'webapptm01.trafficmanager.net' (highlighted with a red box). Below the browser window, a large red-bordered box contains the text 'Hi from Central India - Azure Traffic Manager'.

Testing Traffic Manager

Step 37: One website available to execute website from different location like a proxy.

<https://www.proxysite.com/>

Choose Server location, enter traffic manager URL & click on GO button



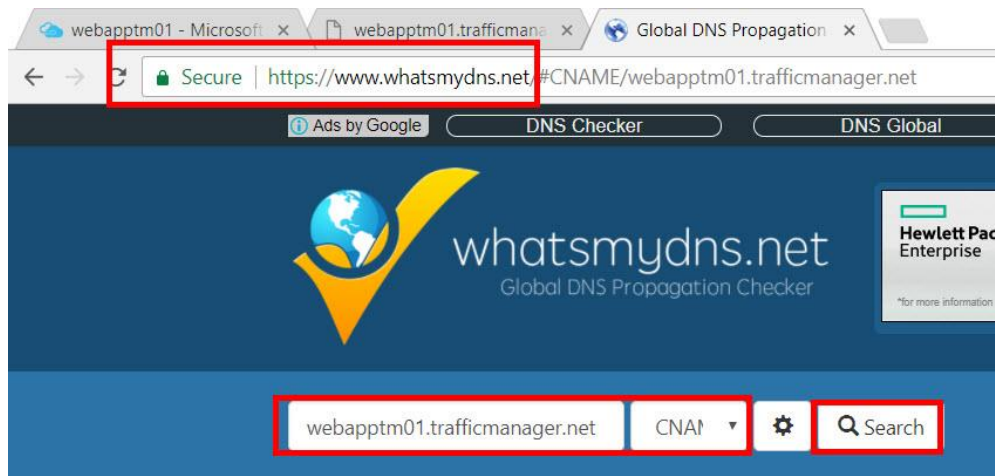
As a result, it will redirect to East US Web App because location we have selected EU Server.



Step 38: Another Website also available to check all the location.

<https://www.whatsmydns.net>

Enter Traffic Manager URL & change option to “CNAME”.



Seattle WA, United States Speakeasy	<code>webapp-eu.azurewebsites.net</code>
Mountain View CA, United States Google	<code>webapp-eu.azurewebsites.net</code>
Canoga Park CA, United States Sprint	<code>webapp-eu.azurewebsites.net</code>
New York NY, United States Speakeasy	<code>webapp-eu.azurewebsites.net</code>
Atlanta GA, United States Speakeasy	<code>webapp-eu.azurewebsites.net</code>
Montreal QC, Canada Bell Canada	<code>webapp-eu.azurewebsites.net</code>
Salvador, Brazil Global Village Telecom	<code>webapp-eu.azurewebsites.net</code>
Newbury, United Kingdom TalkTalk	<code>webapp-eu.azurewebsites.net</code>

Lahore, Pakistan WorldCALL	<code>webapp-eu.azurewebsites.net</code>
Delhi, India Tikona Infinet	<code>webapp-ci.azurewebsites.net</code>
Bangkok, Thailand Loxley	<code>webapp-ci.azurewebsites.net</code>
Petaling Jaya, Malaysia Clear-Comm	<code>webapp-ci.azurewebsites.net</code>
Nanjing, China NanJing XinFeng IT	<code>webapp-eu.azurewebsites.net</code>
Broadbeach QLD, Australia AAPT	<code>webapp-jw.azurewebsites.net</code>
Melbourne VIC, Australia Pacific Internet	<code>webapp-jw.azurewebsites.net</code>
Auckland, New Zealand Vodafone	<code>webapp-jw.azurewebsites.net</code>