

# Security and Surveillance

Deployment Package Creation Document

Version 1.0.1

# Contents

- Package creation for Front End Project
- Package creation for Compute Engine & Backend Project

# About this Document

- This document will help the users to create a package using the available source code which would be used to deploy the source on Azure portal as a web application.
- Note : Please follow the exact same steps as mentioned for compute engine to create a package for Backend app.

# Pre-requisites

- Valid access to the source code
- Clone/download the source code on a PC from hosting environment.
- Visual Studio (latest version) with support for Angular and NodeJS apps.

*Note : Steps use PowerShell as a command window, you could also use Shell or Terminal for the same*

Hardware Requirements - None

# Package Creation for Front End Project

Angular4-WebApp

File Home Share View

Pin to Quick access Cut Copy Paste Move to Copy to Delete Rename New folder New item Open Properties Select all Select none Select all Select none Invert selection

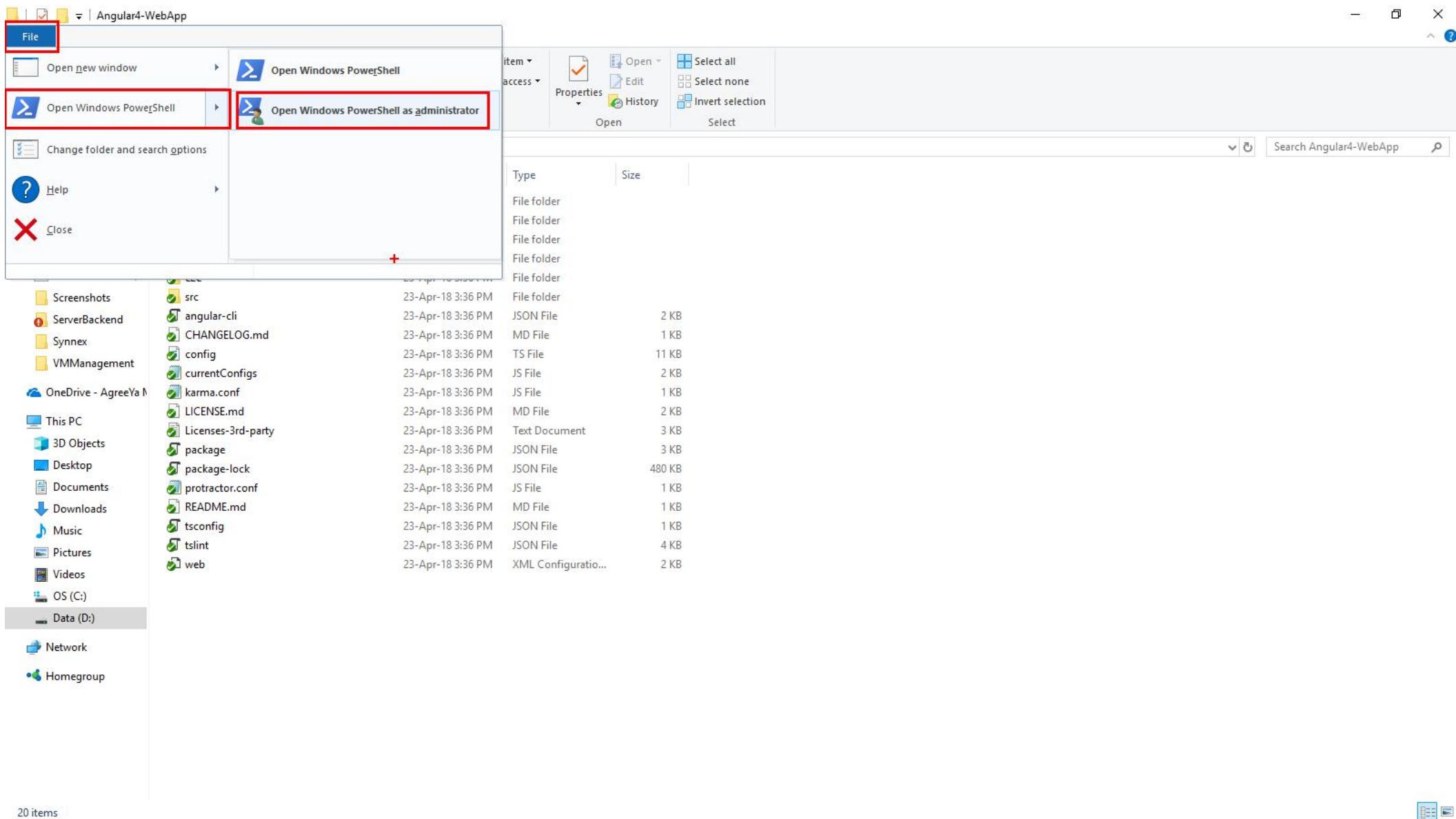
Clipboard Organise New Open Select

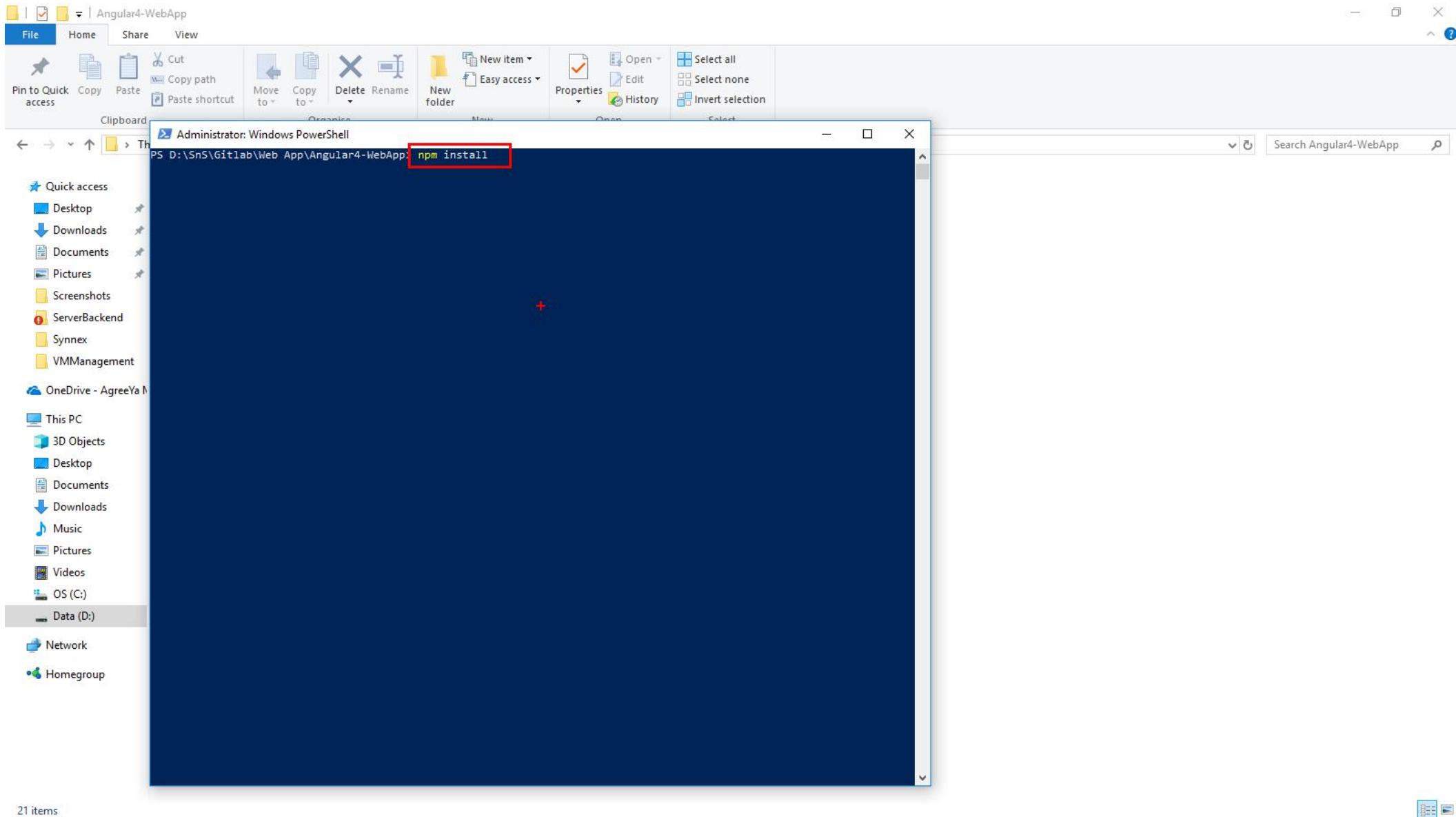
← → ↑ This PC > Data (D:) > SnS > Gitlab > Web App > Angular4-WebApp Search Angular4-WebApp

Name	Date modified	Type	Size
.git	23-Apr-18 3:36 PM	File folder	
.vscode	23-Apr-18 3:36 PM	File folder	
_MACOSX	23-Apr-18 3:36 PM	File folder	
documentation	23-Apr-18 3:36 PM	File folder	
e2e	23-Apr-18 3:36 PM	File folder	
src	23-Apr-18 3:36 PM	File folder	
angular-cli	23-Apr-18 3:36 PM	JSON File	2 KB
CHANGELOG.md	23-Apr-18 3:36 PM	MD File	1 KB
config	23-Apr-18 3:36 PM	TS File	11 KB
currentConfigs	23-Apr-18 3:36 PM	JS File	2 KB
karma.conf	23-Apr-18 3:36 PM	JS File	1 KB
LICENSE.md	23-Apr-18 3:36 PM	MD File	2 KB
Licenses-3rd-party	23-Apr-18 3:36 PM	Text Document	3 KB
package	23-Apr-18 3:36 PM	JSON File	3 KB
package-lock	23-Apr-18 3:36 PM	JSON File	480 KB
protractor.conf	23-Apr-18 3:36 PM	JS File	1 KB
README.md	23-Apr-18 3:36 PM	MD File	1 KB
tsconfig	23-Apr-18 3:36 PM	JSON File	1 KB
tslint	23-Apr-18 3:36 PM	JSON File	4 KB
web	23-Apr-18 3:36 PM	XML Configuration	2 KB

20 items

Quick access Desktop Downloads Documents Pictures Screenshots ServerBackend Synnex VMMManagement OneDrive - AgreeYan This PC 3D Objects Desktop Documents Downloads Music Pictures Videos OS (C:) Data (D:) Network Homegroup





21 items



Angular4-WebApp

File Home Share View

Pin to Quick access Copy Paste Cut Copy path Move to Copy to Delete Rename New folder New item Open New Open Edit Properties Select all Select none Invert selection

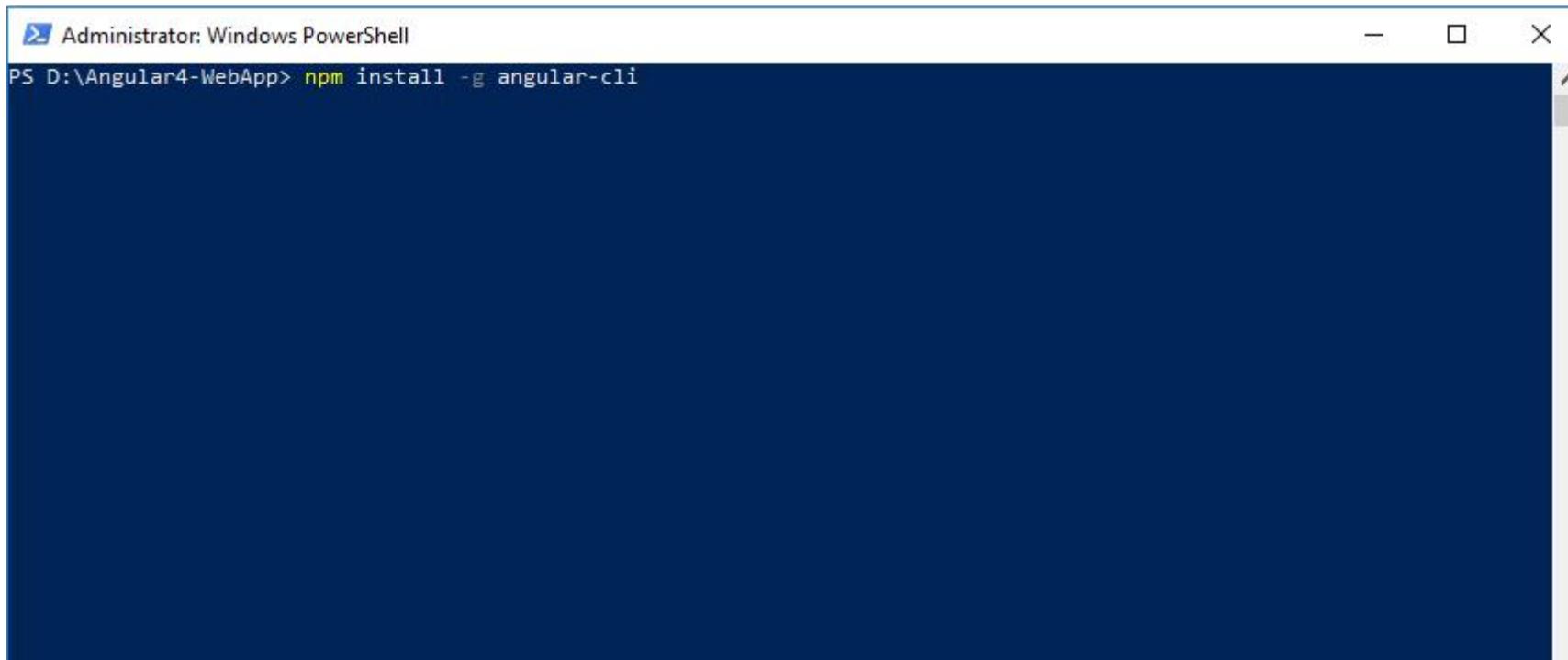
Clipboard Organise New Open Select

← → ↑ This PC > Data (D:) > SnS > Gitlab > Web App > Angular4-WebApp >

Search Angular4-WebApp

Name	Date modified	Type	Size
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_MACOSX	23-Apr-18 3:36 PM	File folder	
documentation	23-Apr-18 3:36 PM	File folder	
e2e	23-Apr-18 3:36 PM	File folder	
<b>node_modules</b>	23-Apr-18 5:59 PM	File folder	
src	23-Apr-18 3:36 PM	File folder	
angular-cli	23-Apr-18 3:36 PM	JSON File	2 KB
CHANGELOG.md	23-Apr-18 3:36 PM	MD File	1 KB
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Licenses-3rd-party	23-Apr-18 3:36 PM	Text Document	3 KB
package	23-Apr-18 5:35 PM	JSON File	3 KB
package-lock	23-Apr-18 5:35 PM	JSON File	466 KB
protractor.conf	23-Apr-18 3:36 PM	JS File	1 KB
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tsconfig	23-Apr-18 3:36 PM	JSON File	1 KB
tslint	23-Apr-18 3:36 PM	JSON File	4 KB
web	23-Apr-18 3:36 PM	XML Configuration	2 KB

21 items



Administrator: Windows PowerShell

```
PS D:\Angular4-WebApp> npm install -g angular-cli
```

```
PS D:\Angular4-WebApp> npm install -g @angular/cli@latest
C:\Users\mandar\AppData\Roaming\npm\ng -> C:\Users\mandar\AppData\Roaming\npm\node_modules\@angular\cli\bin\ng

> node-sass@4.8.3 install C:\Users\mandar\AppData\Roaming\npm\node_modules\@angular\cli\node_modules\node-sass
> node scripts/install.js

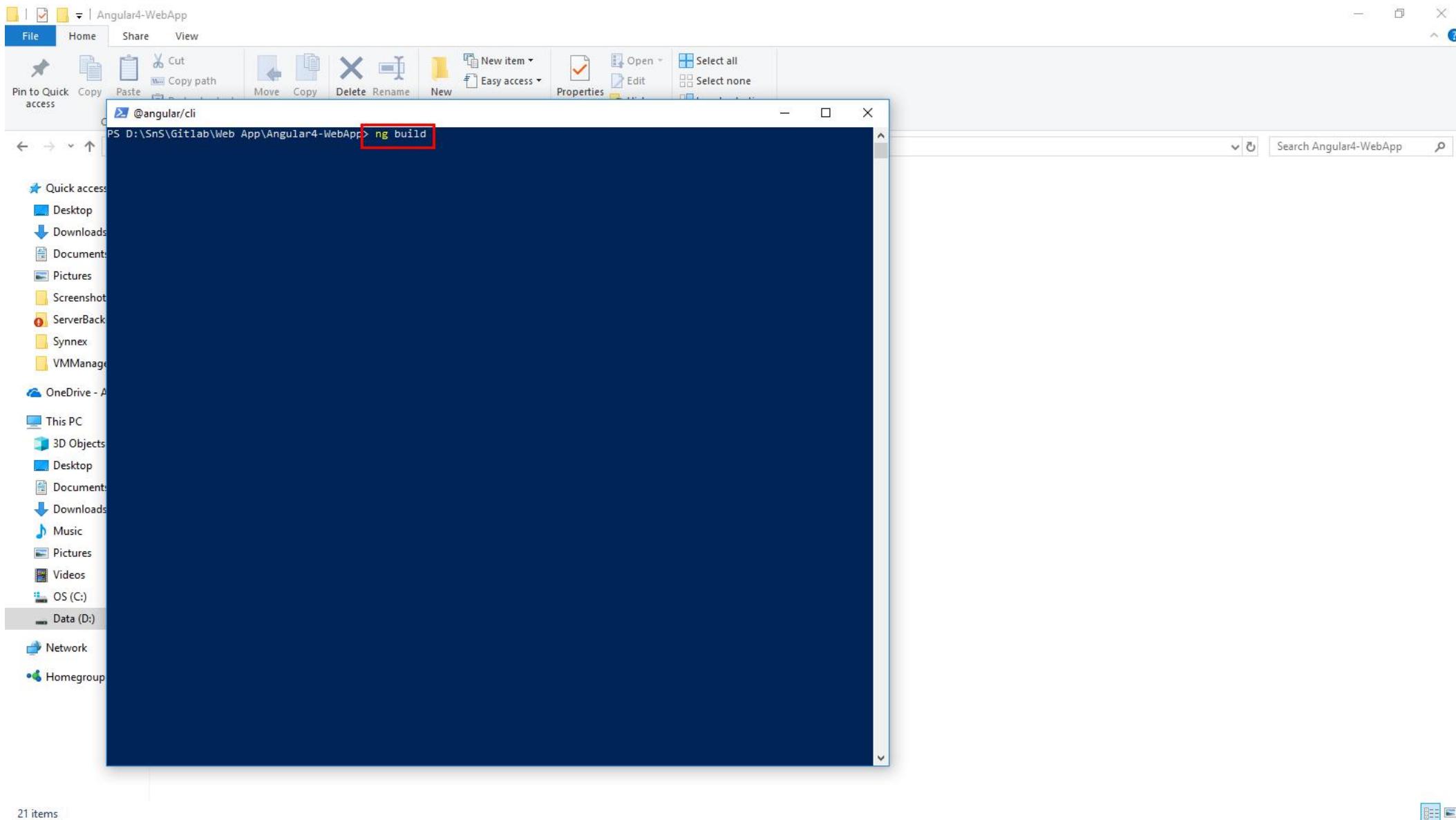
Cached binary found at C:\Users\mandar\AppData\Roaming\npm-cache\node-sass\4.8.3\win32-x64-57_binding.node

> uglifyjs-webpack-plugin@0.4.6 postinstall C:\Users\mandar\AppData\Roaming\npm\node_modules\@angular\cli\node_modules\webpack\node_modules\uglifyjs-webpack-plugin
> node lib/post_install.js

> node-sass@4.8.3 postinstall C:\Users\mandar\AppData\Roaming\npm\node_modules\@angular\cli\node_modules\node-sass
> node scripts/build.js

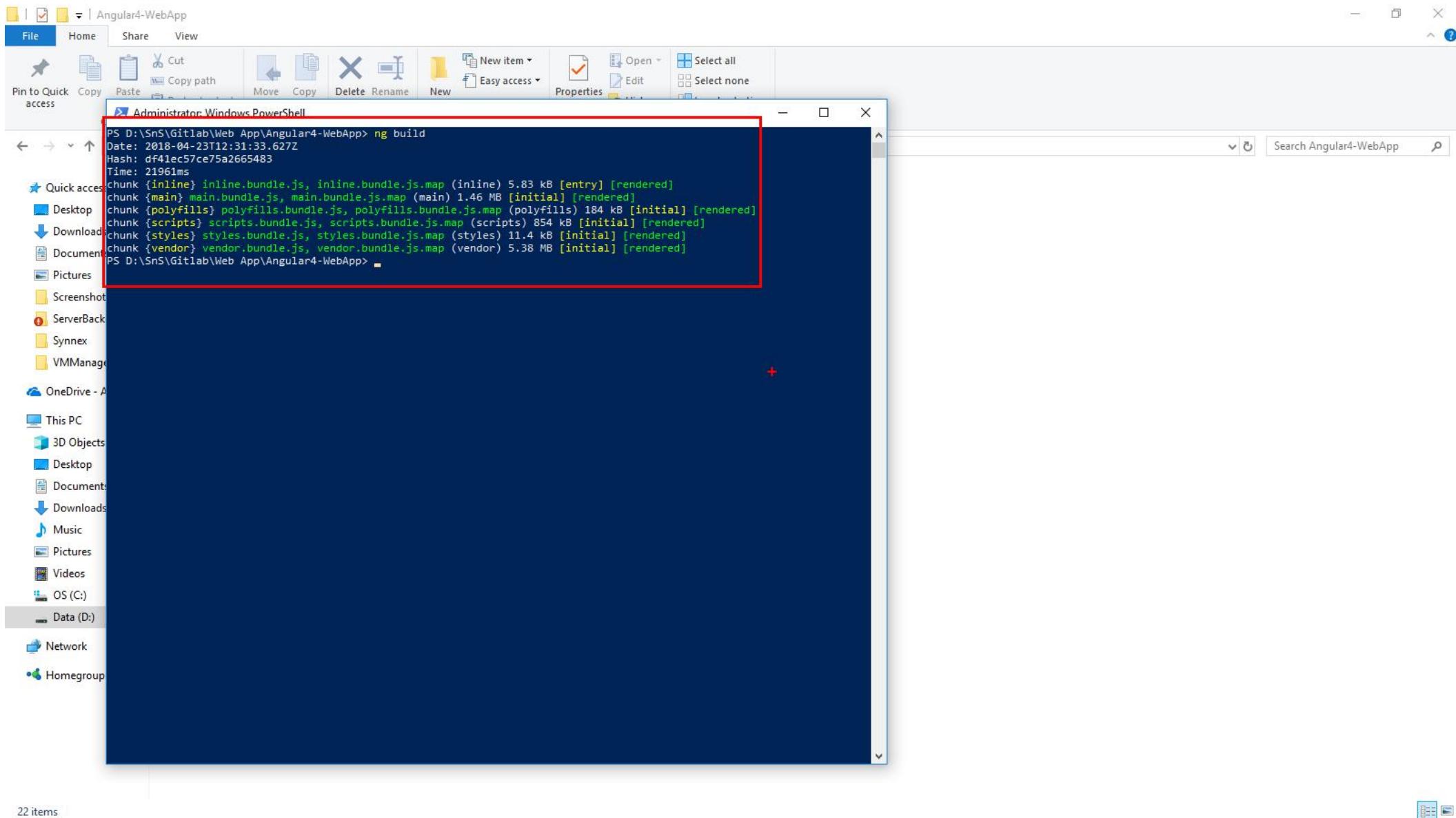
Binary found at C:\Users\mandar\AppData\Roaming\npm\node_modules\@angular\cli\node_modules\node-sass\vendor\win32-x64-57
\binding.node
Testing binary
Binary is fine
npm WARN           SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.2 (node_modules\@angular\cli\node_modules\fsevents):
npm WARN     SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.2: wanted {"os":"darwin","arch":"any"}
" (current: {"os":"win32","arch":"x64"})

+ @angular/cli@1.7.4
added 926 packages in 78.33s
```



21 items





22 items



Angular4-WebApp

File Home Share View

Pin to Quick access Copy Paste Cut Copy path Move to Copy to Delete Rename New folder New item Open New Open Edit Properties Select all Select none Invert selection

Clipboard Organise New Select

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Search Angular4-WebApp

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MACOSX	23-Apr-18 3:36 PM	File folder	
dist	23-Apr-18 6:01 PM	File folder	
documentation	23-Apr-18 3:36 PM	File folder	
e2e	23-Apr-18 3:36 PM	File folder	
node_modules	23-Apr-18 5:59 PM	File folder	
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Angular4-WebApp

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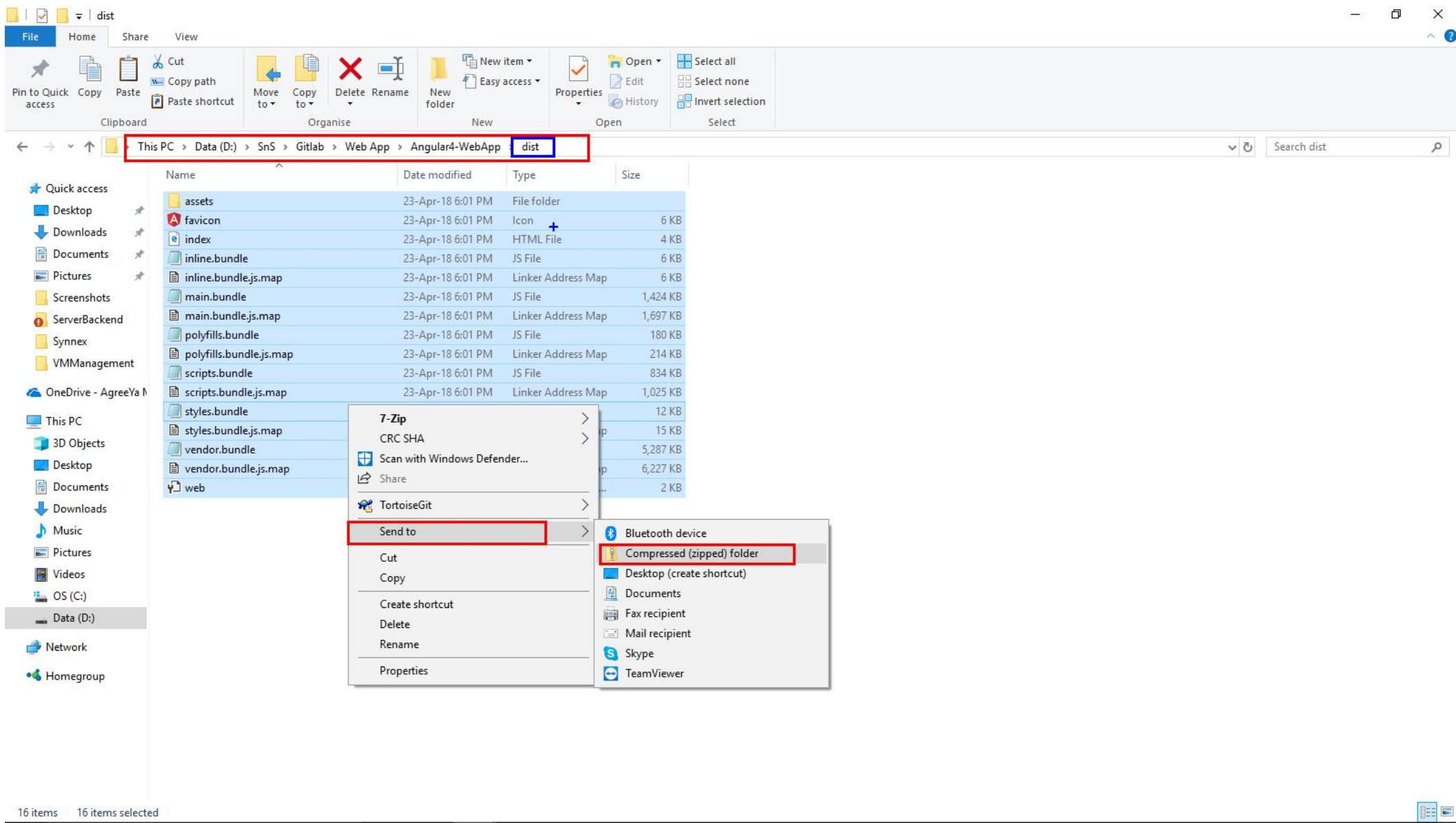
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tslint	23-Apr-18 3:36 PM	JSON File	4 KB
web	23-Apr-18 3:36 PM	XML Configuration...	2 KB

22 items 1 item selected 1.73 KB

**Copy web.config file to dist folder| and also copy currentConfigs.js file to dist folder**



File Home Share View Extract Compressed Folder Tools dist

Extract To This PC > Data (D:) > SnS > Gitlab > Web App > Angular4-WebApp > dist >

Search dist

Name	Date modified	Type	Size
assets	23-Apr-18 6:01 PM	File folder	
favicon	23-Apr-18 6:01 PM	Icon	6 KB
index	23-Apr-18 6:01 PM	HTML File	4 KB
inline.bundle	23-Apr-18 6:01 PM	JS File	6 KB
inline.bundle.js.map	23-Apr-18 6:01 PM	Linker Address Map	6 KB
main.bundle	23-Apr-18 6:01 PM	JS File	1,424 KB
main.bundle.js.map	23-Apr-18 6:01 PM	Linker Address Map	1,697 KB
polyfills.bundle	23-Apr-18 6:01 PM	JS File	180 KB
polyfills.bundle.js.map	23-Apr-18 6:01 PM	Linker Address Map	214 KB
scripts.bundle	23-Apr-18 6:01 PM	JS File	834 KB
scripts.bundle.js.map	23-Apr-18 6:01 PM	Linker Address Map	1,025 KB
<b>scripts.bundle</b>	23-Apr-18 6:05 PM	Compressed (zipp...)	6,475 KB
styles.bundle	23-Apr-18 6:01 PM	JS File	12 KB
styles.bundle.js.map	23-Apr-18 6:01 PM	Linker Address Map	15 KB
vendor.bundle	23-Apr-18 6:01 PM	JS File	5,287 KB
vendor.bundle.js.map	23-Apr-18 6:01 PM	Linker Address Map	6,227 KB
web	23-Apr-18 3:36 PM	XML Configuration	2 KB

17 items 1 item selected 6.32 MB

**Change archive name to user understandable name!**

# Package for Front End App Created



# Package for Compute Engine & Backend App

Note : This procedure is applicable to all the apps developed in NodeJS

**Start Page - Microsoft Visual Studio**

**File** Edit View Project Debug Team Tools Test Analyze Window Help

- New** Project... Ctrl+Shift+N
- Open
- Start Page
- Close
- Save Selected Items Ctrl+S
- Save Selected Items As... Ctrl+Shift+S
- Save All Ctrl+Shift+S
- Page Setup...
- Print... Ctrl+P
- Account Settings...
- Recent Files
- Recent Projects and Solutions
- Exit Alt+F4

**Recent**

**Today**

- VMManagement.sln C:\Users\surabh\documents\visual studio 2017\Projects\VMManage...

**This week**

- CloudComputeEngine.sln C:\Users\surabh\documents\visual studio 2017\Projects\CloudCom...
- AzureResourceGroup1.sln C:\Users\surabh\documents\visual studio 2017\Projects\AzureResou...
- AssetMonitoring.sln D:\Sysgain\AssetMonitoring\AMSRESTServer-master\AssetMonitoring
- AssetMonitoring.sln D:\Sysgain\AssetMonitoring\AMSWebApp-master\WebPortal
- AssetMonitoringAnalytics.sln D:\Sysgain\AssetMonitoring\AMSRESTServer-master\AssetMonitorin...

Error List Output Find Symbol Results Package Manager Console Web Publish Activity Data Tools Operations

Ready

**Quick Launch (Ctrl+Q)** Surab Shah SS

**Open**

Get code from a remote version control system or open something on your local drive.

Checkout from:

- Visual Studio Team Services

**Open Project / Solution**

**Open Folder**

**Open Website**

**New project**

Search project templates Project...

Recent project templates:

<span style="border: 1px solid #ccc; padding: 2px;">Console App (.NET Framework)</span>	C#
<span style="border: 1px solid #ccc; padding: 2px;">Blank Azure Node.js Web Applic...</span>	JavaScript
<span style="border: 1px solid #ccc; padding: 2px;">Console App (.NET Core)</span>	C#
<span style="border: 1px solid #ccc; padding: 2px;">ASP.NET Web Application (.NET Fra...</span>	C#
<span style="border: 1px solid #ccc; padding: 2px;">Azure Cloud Service</span>	JavaScript
<span style="border: 1px solid #ccc; padding: 2px;">Azure Cloud Service</span>	C#
<span style="border: 1px solid #ccc; padding: 2px;">ASP.NET Core Web Application</span>	C#
<span style="border: 1px solid #ccc; padding: 2px;">Basic Azure Node.js Express 4 Ap...</span>	JavaScript
<span style="border: 1px solid #ccc; padding: 2px;">SQL Server Database Project</span>	SQL Server

Create new project...

**Developer News**

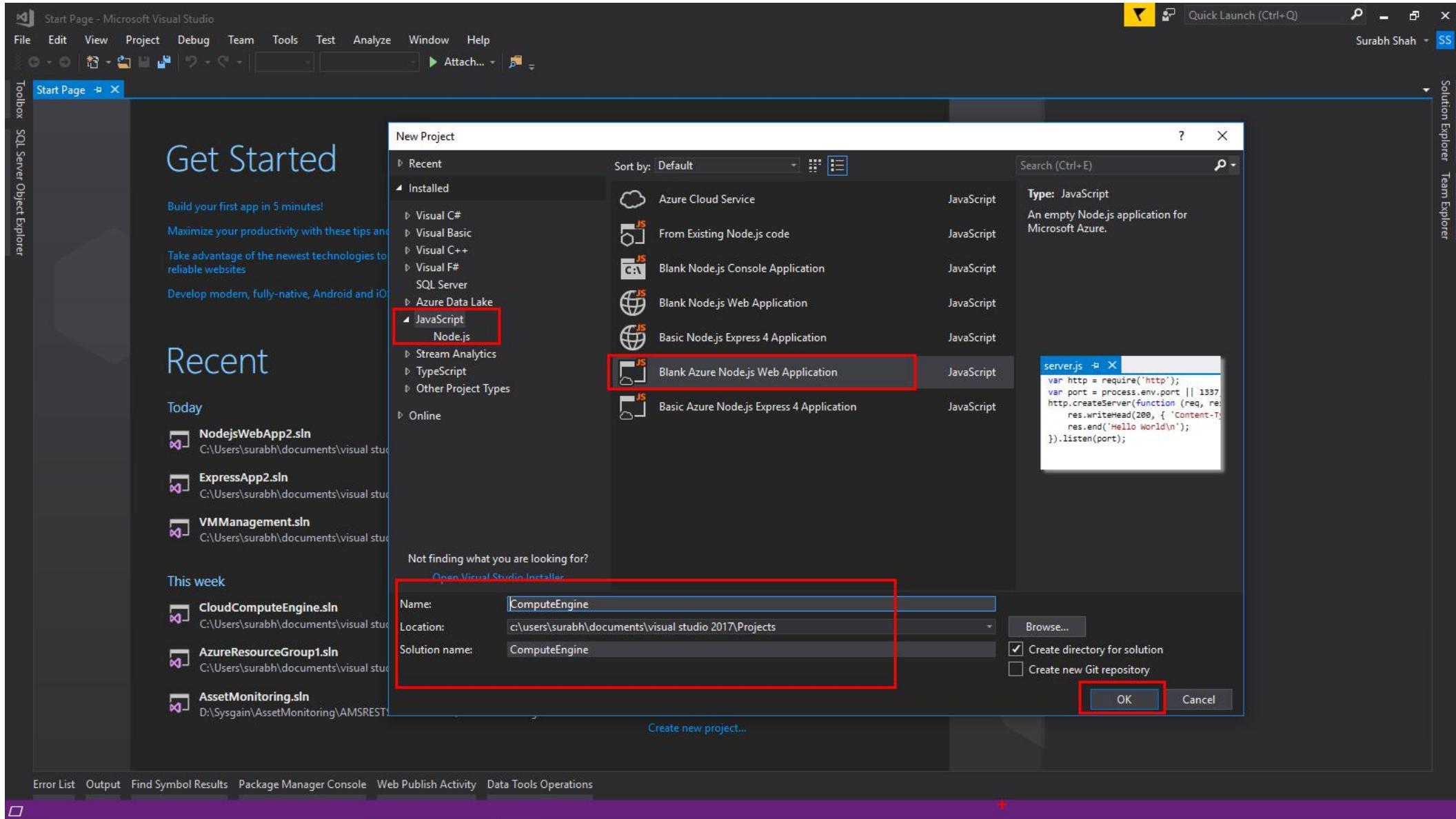
**Announcing .NET Core 2.1 Preview 2**  
Today, we are announcing .NET Core 2.1 Preview 2. The release is now ready for broad testing, as we get closer to a final build within the next two to three months. We'd appreciate any feedback...  
**NEW** Thursday, April 19, 2018

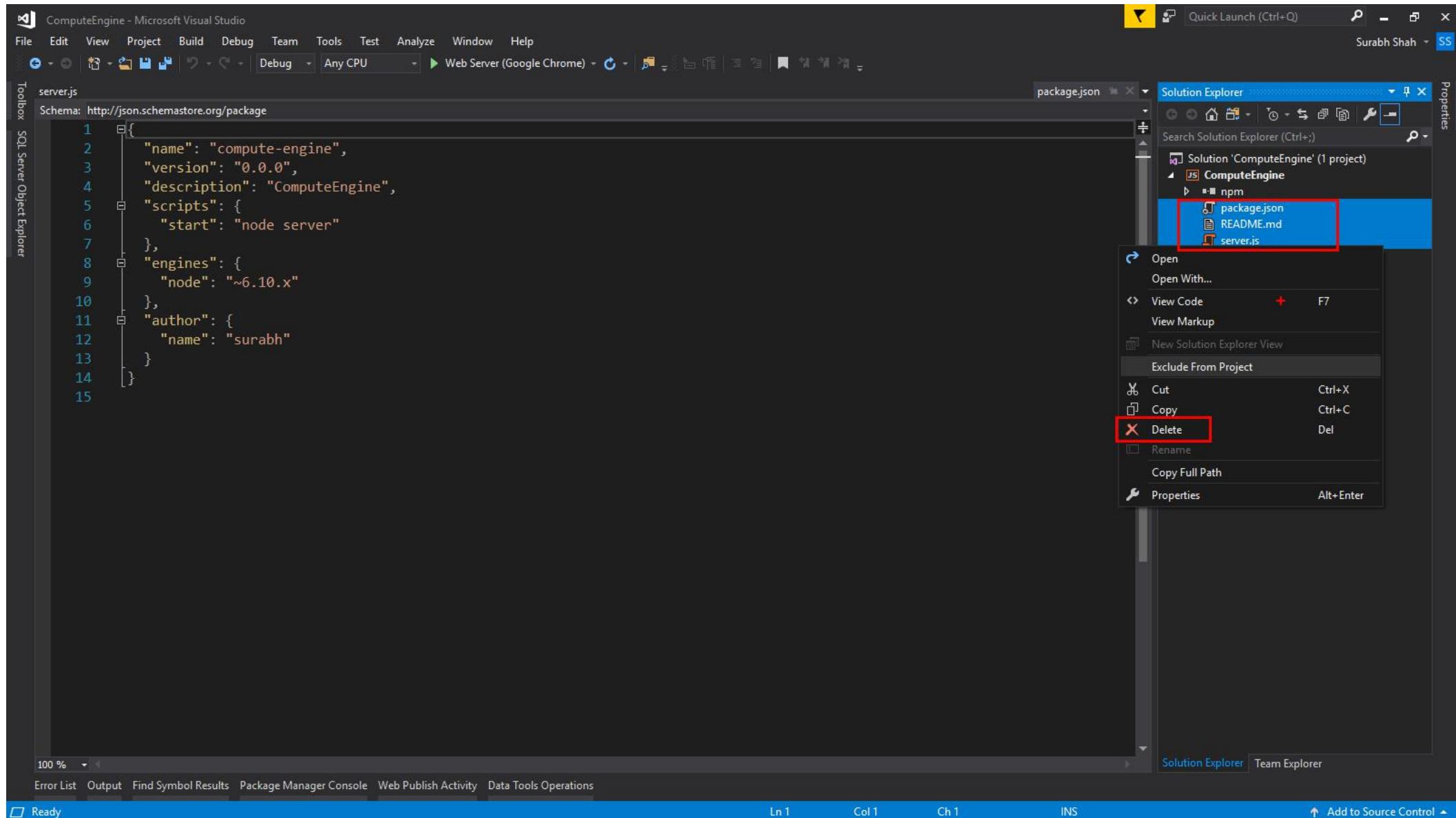
**Create Service Fabric Clusters from Visual Studio now available**  
We heard feedback that the current processes for creating secure clusters were complex and time-consuming. Based on your input, we've added the ability to create secure clusters directly from Vis...  
**NEW** Thursday, April 19, 2018

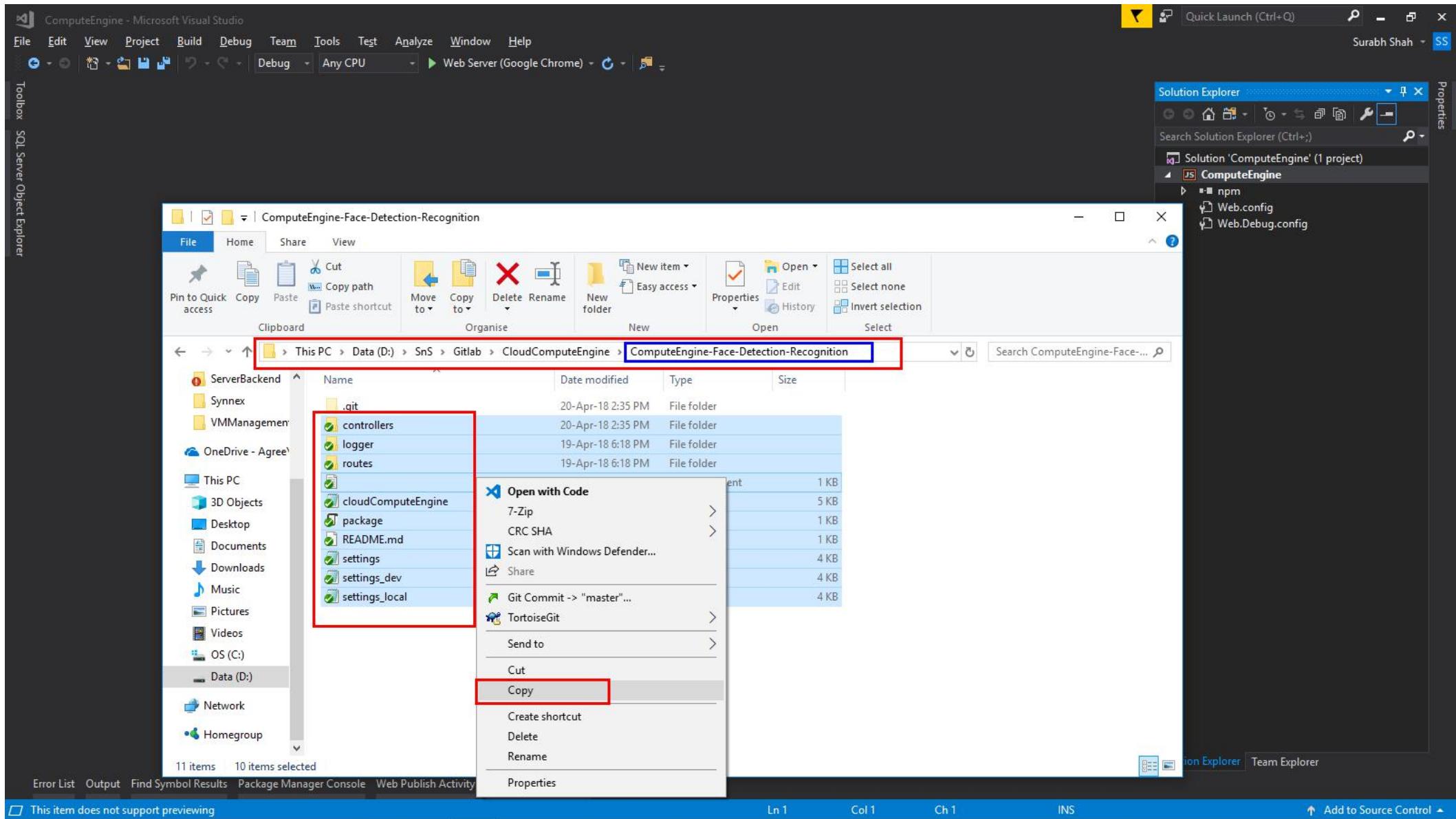
**Private audience: A new way to test your apps and games in production (Windows)**  
One of the consistent themes that the Dev Center Team hears from the Windows developer community is that first impressions are important. Before launching a new app or game, it's importa...  
**NEW** Thursday, April 19, 2018

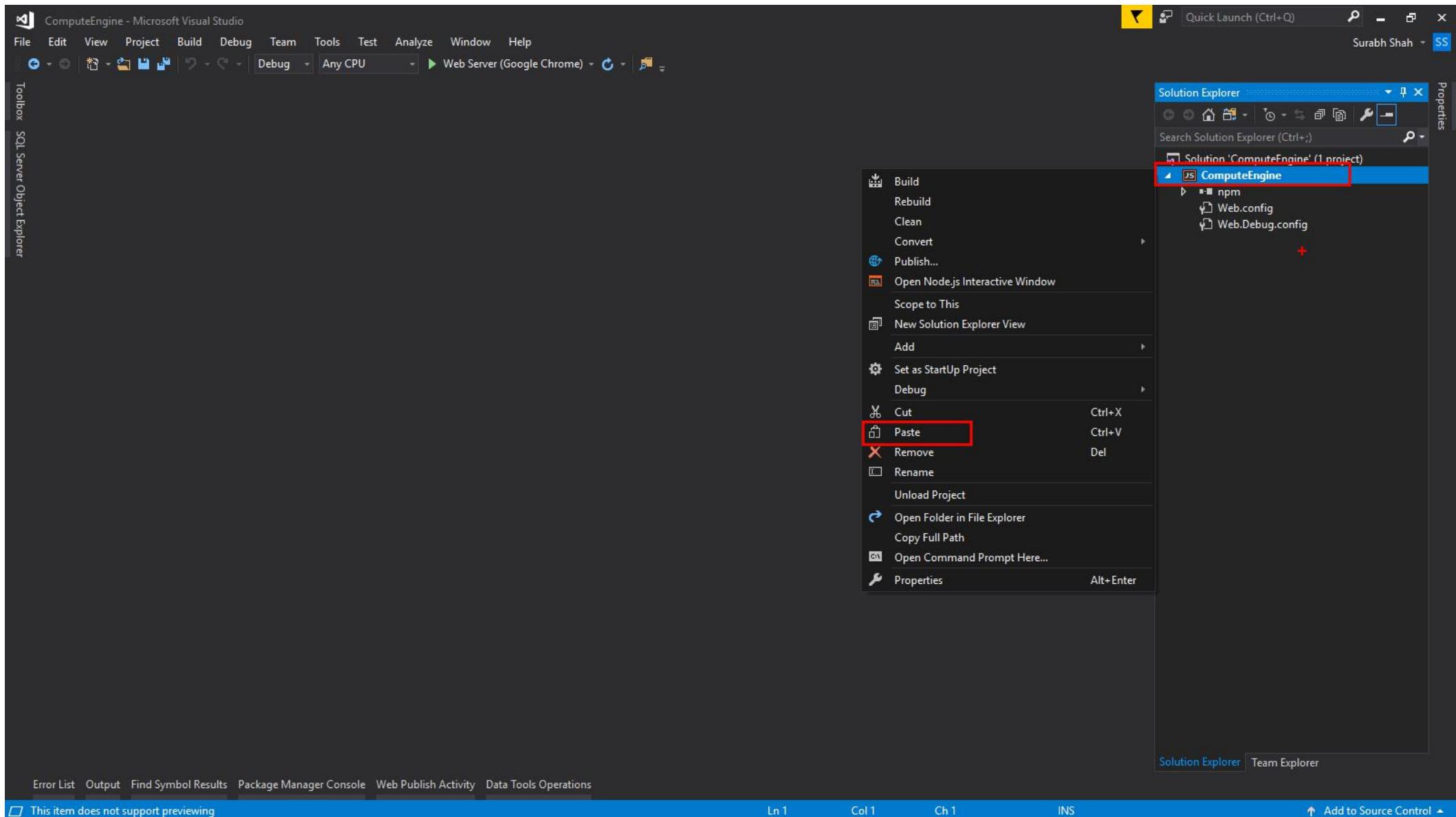
**Sequence Intent Classification Using Hierarchical Attention Networks**  
In this code story, we will discuss applications of Hierarchical Attention Neural Networks for sequence classification. In particular, we will use our work the domain of malware detectio...  
**NEW** Thursday, April 19, 2018

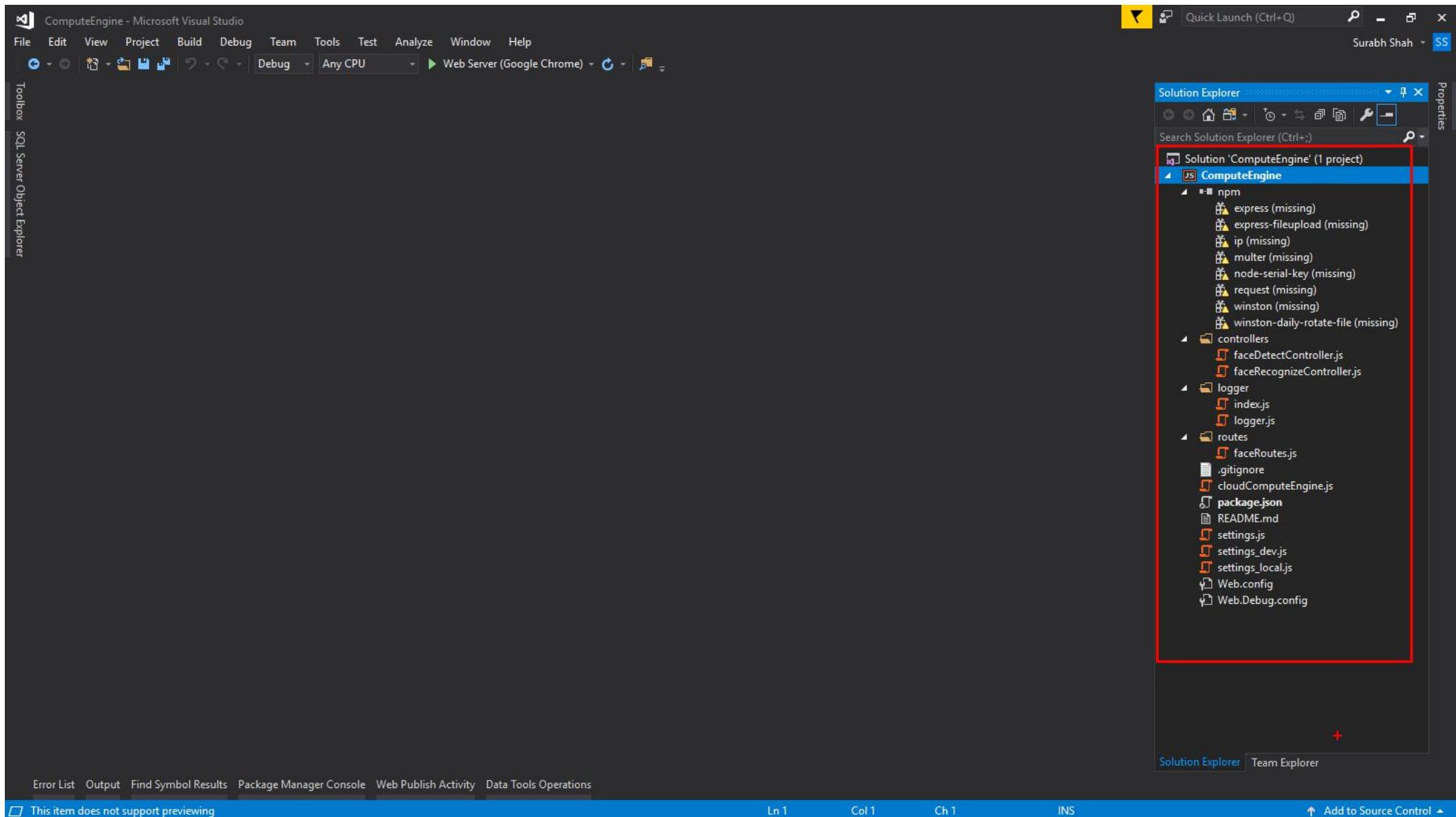
**Get Community driven Docker images for Web app for Containers**  
You can now find community driven docker images to try out on Web App for Containers on Github. These images follow best practices for Web app for containers, contain SSH for debuggin...  
**More news...**

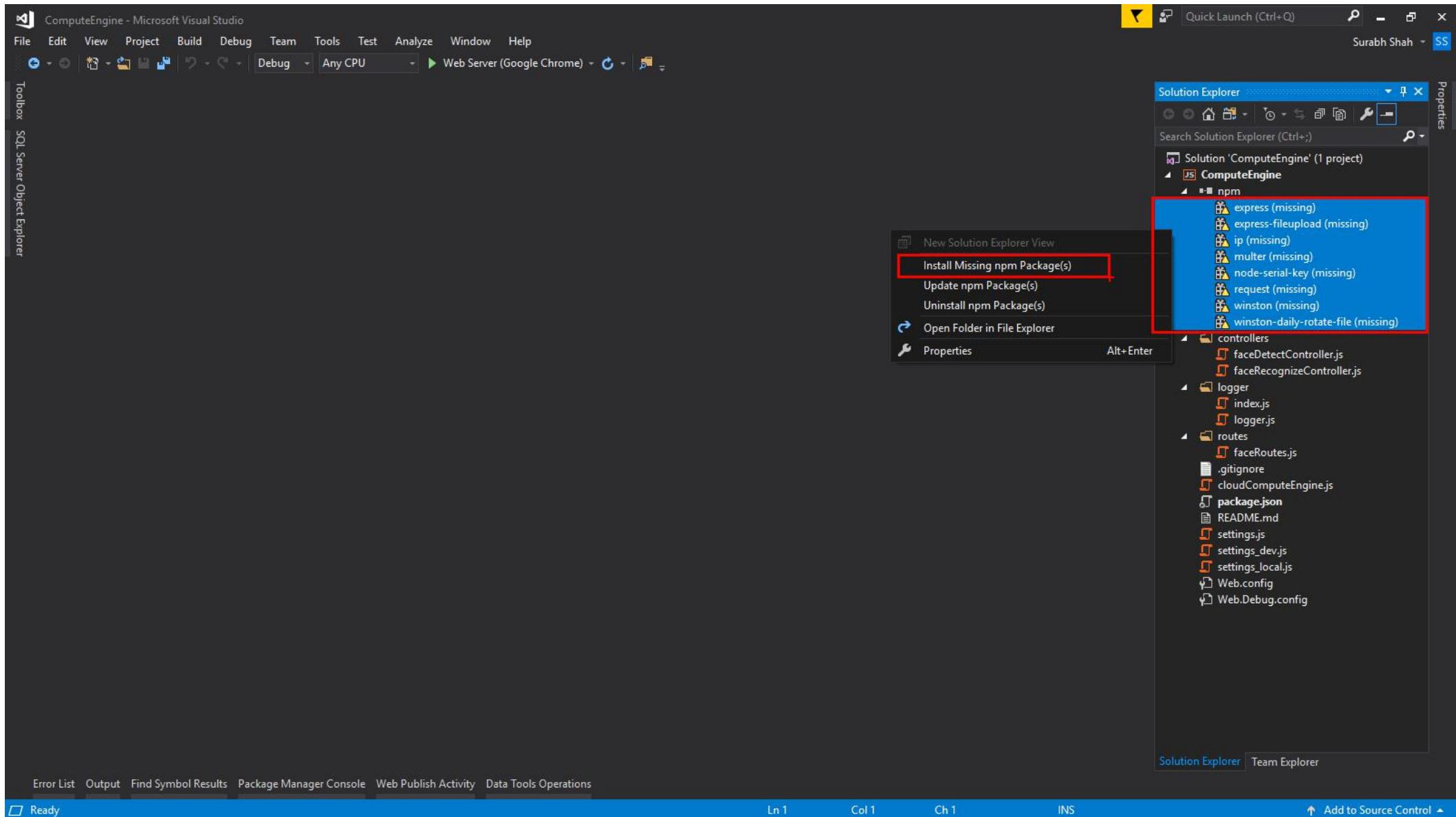












The screenshot shows the Microsoft Visual Studio interface for a project named 'ComputeEngine'. The Solution Explorer on the right lists files and folders, including an 'npm' folder containing several missing packages: express (missing), express-fileupload (missing), ip (missing), multer (missing), node-serial-key (missing), request (missing), winston (missing), and winston-daily-rotate-file (missing). A context menu is open over the 'npm' folder, with the 'Install Missing npm Package(s)' option highlighted by a red box.

Solution Explorer

Search Solution Explorer (Ctrl+Shift+F)

Solution 'ComputeEngine' (1 project)

ComputeEngine

npm

- express (missing)
- express-fileupload (missing)
- ip (missing)
- multer (missing)
- node-serial-key (missing)
- request (missing)
- winston (missing)
- winston-daily-rotate-file (missing)

New Solution Explorer View

Install Missing npm Package(s) (highlighted by red box)

Update npm Package(s)

Uninstall npm Package(s)

Open Folder in File Explorer

Properties

controllers

- faceDetectController.js
- faceRecognizeController.js

logger

- index.js
- logger.js

routes

- faceRoutes.js

.gitignore

cloudComputeEngine.js

package.json

README.md

settings.js

settings\_dev.js

settings\_local.js

Web.config

Web.Debug.config

Error List Output Find Symbol Results Package Manager Console Web Publish Activity Data Tools Operations

Ln 1 Col 1 Ch 1 INS

Ready Add to Source Control

ComputeEngine - Microsoft Visual Studio

File Edit View Project Build Debug Team Tools Test Analyze Window Help

Any CPU Web Server (Google Chrome) Debug

Toolbox SQL Server Object Explorer

Quick Launch (Ctrl+Q) Surab Shah SS

Solution Explorer Properties

Search Solution Explorer (Ctrl+;)

Solution 'ComputeEngine' (1 project)

VS ComputeEngine

- npm
  - express@4.16.3
  - express-fileupload@0.3.0
  - ip@1.1.5
  - multer@1.3.0
  - node-serial-key@0.0.3
  - request@2.85.0
  - winston@2.4.2
  - winston-daily-rotate-file@1.7.2
- controllers
  - faceDetectController.js
  - faceRecognizeController.js
- logger
  - index.js
  - logger.js
- routes
  - faceRoutes.js
- .gitignore
- cloudComputeEngine.js
- package.json
- README.md
- settings.js
- settings\_dev.js
- settings\_local.js
- Web.config
- Web.Debug.config

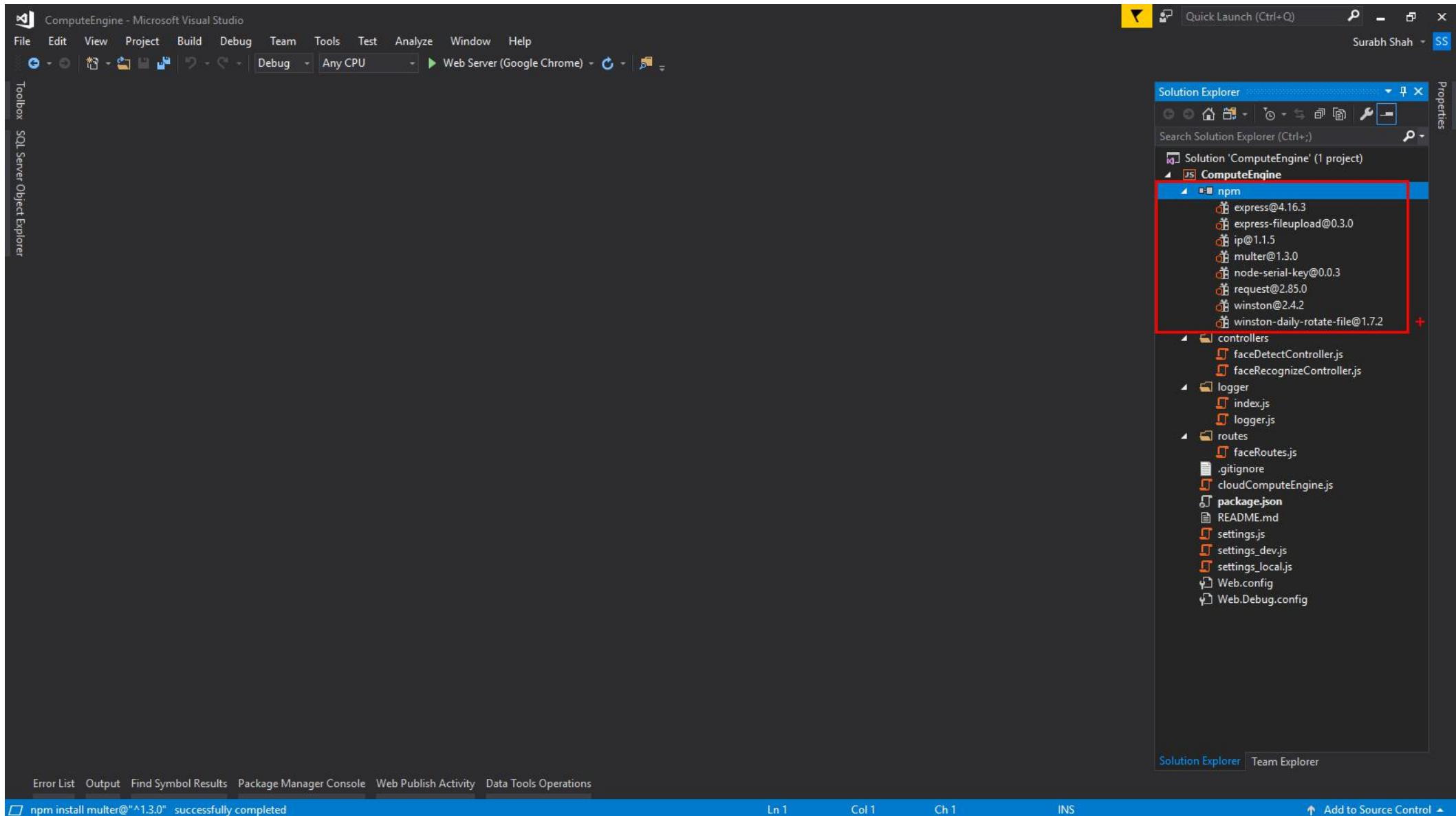
Error List Output Find Symbol Results Package Manager Console Web Publish Activity Data Tools Operations

Ln 1 Col 1 Ch 1 INS

npm install multer@“^1.3.0” successfully completed

Add to Source Control

Solution Explorer Team Explorer



ComputeEngine - Microsoft Visual Studio

File Edit View Project Build Debug Team Tools Test Analyze Window Help

Any CPU Web Server (Google Chrome)

ComputeEngine JavaScript Content Files <global> express

```

1 //NODE SERVER START
2 var express = require('express');
3 var app = express();
4 var config = require('./settings');
5 var faceRoutes = require('./routes/faceRoutes');
6 const fileUpload = require('express-fileupload');
7 var fs = require('fs');
8 var mkdirp = require('mkdirp');
9 var path = require('path');
10 var imageDirectory = config.imageDirectory;
11 var logger = require('./logger/index').logger;
12 var logStr = 'CloudComputeEngine';
13 var serial = require('node-serial-key');
14 var ip = require("ip");
15 var request = require('request');
16 var bodyParser = require('body-parser');
17 var port = config.port;
18 if(process.env && process.env.PORT){ port = process.env.PORT }
19
20 app.use(bodyParser.json());
21 app.use(fileUpload());
22 app.use(express.static(path.join(__dirname, 'Cameras')));
23
24 if (!fs.existsSync(imageDirectory)) {
25   mkdirp(imageDirectory, function (err) {
26     if (err) {
27       return console.error(err);
28     }
29     logger.info("Directory created successfully! ", logStr);
30   });
31 }
32 /**
33 * Invoking routes

```

100 %

Error List Output Find Symbol Results Package Manager Console Web Publish Activity Data Tools Operations

Ready Add to Source Control

Solution Explorer

Search Solution Explorer (Ctrl+Shift+F)

**cloudComputeEngine.js**

Properties

Solution 'ComputeEngine' (1 project)

- JS ComputeEngine
  - npm
  - controllers
    - faceDetectController.js
    - faceRecognizeController.js
  - logger
    - index.js
    - logger.js
  - routes
    - faceRoutes.js
  - .gitignore
- cloudComputeEngine.js

Open Open With... View Code F7 View Markup Scope to This New Solution Explorer View Exclude From Project Cut Ctrl+X Copy Ctrl+C Delete Del Rename Properties Alt+Enter Set as Node.js Startup File Copy Full Path

ComputeEngine - Microsoft Visual Studio

**Edit** **Find and Replace**

- Quick Find Ctrl+F
- Quick Replace Ctrl+H**
- Find in Files Ctrl+Shift+F
- Replace in Files Ctrl+Shift+H

```

<!-- types as specified by fileExtension. -->
<!-- adds attributes to this to enable remote debugging when publishing in Debug configuration. -->
<!-- (Azure Website with git deploy): Comment out iisnode above, and uncomment iisnode below. -->
<!-- Files="web.config;*.js"
      ue"
      true"
      Line="node.exe &#45;&#45;debug"/>-->
<!-- indicates that the server.js file is a Node.js application
      to be handled by the iisnode module -->
<handlers>
  <add name="iisnode" path="server.js" verb="*" modules="iisnode" />
<!-- Remote debugging (Azure Website with git deploy): Uncomment NtvsDebugProxy handler below.
      Additionally copy Microsoft.NodejsTools.WebRole to 'bin' from the Remote Debug Proxy folder.-->
  <!--<add name="NtvsDebugProxy" path="ntvs-debug-proxy/d33d2a65-c907-4f94-a9a0-88382c259f1d" verb="*" resourceType="Unsp
      type="Microsoft.NodejsTools.Debugger.WebSocketProxy, Microsoft.NodejsTools.WebRole"/>-->
</handlers>
<rewrite>
  <rules>
    <clear />
    <!-- Remote debugging (Azure Website with git deploy): Uncomment the NtvsDebugProxy rule below. -->
    <!--<rule name="NtvsDebugProxy" enabled="true" stopProcessing="true">
        <match url="^ntvs-debug-proxy/.*/" />
  
```

100 %

Error List Output Find Symbol Results Package Manager Console Web Publish Activity Data Tools Operations

Ready

Surab Shah SS

Solution Explorer

Search Solution Explorer (Ctrl+Shift+F)

Web.config

Properties

Line 35 Col 44 Ch 44 INS

Add to Source Control

ComputeEngine - Microsoft Visual Studio

File Edit View Project Build Debug Team Tools Test Analyze Window Help

Any CPU Web Server (Google Chrome)

Web.config

Toolbox SQL Server Object Explorer

```

16  </appSettings>
17  <system.webServer>
18  <!-- mimeMap enables IIS to serve particular file types as specified by fileExtension. -->
19  <staticContent>
20      <mimeType fileExtension=".svg" mimeType="image/svg+xml" />
21  </staticContent>
22
23  <modules runAllManagedModulesForAllRequests="false" />
24
25  <!-- Web.Debug.config adds attributes to this to enable remote debugging when publishing in Debug configuration. -->
26  <iisnode watchedFiles="web.config;*.js"/>
27
28  <!-- Remote debugging (Azure Website with git deploy): Comment out iisnode above, and uncomment iisnode below. -->
29  <!--<iisnode watchedFiles="web.config;*.js"
30      loggingEnabled="true"
31      devErrorsEnabled="true"
32      nodeProcessCommandLine="node.exe &#45;&#45;debug"/>-->
33
34  <!-- indicates that the server.js file is a Node.js application
35  to be handled by the iisnode module -->
36  <handlers>
37      <add name="iisnode" path="server.js" verb="*" modules="iisnode" />
38
39  <!-- Remote debugging (Azure Website with git deploy): Uncomment NtvsDebugProxy handler below.
40  Additionally copy Microsoft.NodejsTools.WebRole to 'bin' from the Remote Debug Proxy folder.-->
41  <!--<add name="NtvsDebugProxy" path="ntvs-debug-proxy/d33d2a65-c907-4f94-a9a0-88382c259f1d" verb="*" resourceType="Unsp
42      type="Microsoft.NodejsTools.Debugger.WebSocketProxy, Microsoft.NodejsTools.WebRole"/>-->
43  </handlers>
44  <rewrite>
45      <rules>
46          <clear />
47          <!-- Remote debugging (Azure Website with git deploy): Uncomment the NtvsDebugProxy rule below. -->
48          <!--<rule name="NtvsDebugProxy" enabled="true" stopProcessing="true">
49              <match url="^ntvs-debug-proxy/.*/" />

```

Quick Launch (Ctrl+Q) Surab Shah SS

server.js

settings.js

Aa Ab Current Document

Solution Explorer

Search Solution Explorer (Ctrl+;)

Replace all (Alt+A) computeEngine

- computeEngine
  - npm
  - controllers
    - faceDetectController.js
    - faceRecognizeController.js
  - logger
    - index.js
    - logger.js
  - routes
    - faceRoutes.js
  - .gitignore
  - cloudComputeEngine.js
  - package.json
  - README.md
  - settings.js
  - settings\_dev.js
  - settings\_local.js
- Web.config
- Web.Debug.config

Properties

Solution Explorer | Team Explorer

Find "server.js", Current Document Add to Source Control

Ln 34 Col 38 Ch 38 INS

ComputeEngine - Microsoft Visual Studio

File Edit View Project Build Debug Team Tools Test Analyze Window Help

Debug Any CPU Web Server (Google Chrome)  

Web.config\* 

```

28      <!-- Remote debugging (Azure Website with git deploy): Comment out iisnode above, and uncomment iisnode below. -->
29      <!--iisnode watchedFiles="web.config;*.js"
30          loggingEnabled="true"
31          devErrorsEnabled="true"
32          nodeProcessCommandLine="node.exe &#45;&#45;debug"/>-->
33
34      <!-- indicates that the cloudComputeEngine.js file is a Node.js application
35      to be handled by the iisnode module -->
36      <handlers>
37          <add name="iisnode" path="cloudComputeEngine.js" verb="*" modules="iisnode" />
38
39      <!-- Remote debugging (Azure Website with git deploy): Uncomment NtvsDebugProxy handler below.
40          Additionally copy Microsoft.NodejsTools.WebRole to 'bin' from the Remote Debug Proxy folder.-->
41      <!--<add name="NtvsDebugProxy" path="ntvs-debug-proxy/d33d2a65-c907-4f94-a9a0-88382c259f1d" verb="*" resourceType="Unsp
42          type="Microsoft.NodejsTools.Debugger.WebSocketProxy, Microsoft.NodejsTools.WebRole"/>-->
43      </handlers>
44      <rewrite>
45          <rules>
46              <clear />
47              <!-- Remote debugging (Azure Website with git deploy): Uncomment the NtvsDebugProxy rule below. -->
48              <!--<rule name="NtvsDebugProxy" enabled="true" stopProcessing="true">
49                  <match url="^ntvs-debug-proxy/.*/" />
50              </rule>-->
51
52              <!-- Don't interfere with requests for node-inspector debugging -->
53              <rule name="NodeInspector" patternSyntax="ECMAScript" stopProcessing="true">
54                  <match url="^cloudComputeEngine.js\/debug[\/]?" />
55              </rule>
56
57              <rule name="app" enabled="true" patternSyntax="ECMAScript" stopProcessing="true">
58                  <match url="iisnode.+" negate="true" />
59                  <conditions logicalGrouping="MatchAll" trackAllCaptures="false" />
60                  <action type="Rewrite" url="cloudComputeEngine.js" />
61              </rule>

```

settings.js 

Solution Explorer          

Search Solution Explorer (Ctrl+Shift+F)

Solution 'ComputeEngine' (1 project)

- JS ComputeEngine
  - npm
  - controllers
    - faceDetectController.js
    - faceRecognizeController.js
  - logger
    - index.js
    - logger.js
  - routes
    - faceRoutes.js
  - .gitignore
  - cloudComputeEngine.js
  - package.json
  - README.md
  - settings.js
  - settings\_dev.js
  - settings\_local.js
- Web.config
- Web.Debug.config

Toolbox SQL Server Object Explorer

Quick Launch (Ctrl+Q) Surab Shah SS

Error List Output Find Symbol Results Package Manager Console Web Publish Activity Data Tools Operations

Replace all "server.js", "cloudComputeEngine.js", Current Document

Ln 34 Col 50 Ch 50 INS

Add to Source Control

ComputeEngine - Microsoft Visual Studio

File Edit View Project **Build** Debug Team XML Tools Test Analyze Window Help

Build Solution Ctrl+Shift+B Server (Google Chrome) Refresh

Toolbox SQL Server Object Explorer

**Web.config**

```

4   <http>
5     -->
6   <config>
7     <appSettings>
8       <!--
9         <add key="ServiceBusNamespace" value="" />
10        <add key="ServiceBusIssuerName" value="" />
11        <add key="ServiceBusIssuerSecretKey" value="" />
12      -->
13    </appSettings>
14    <system.webServer>
15      <!-- mimeMap enables IIS to serve particular file types as specified by fileExtension. -->
16      <staticContent>
17        <mimeType fileExtension=".svg" mimeType="image/svg+xml" />
18      </staticContent>
19
20      <modules runAllManagedModulesForAllRequests="false" />
21
22      <!-- Web.Debug.config adds attributes to this to enable remote debugging when publishing in Debug configuration. -->
23      <iisnode watchedFiles="web.config;*.js"/>
24
25      <!-- Remote debugging (Azure Website with git deploy): Comment out iisnode above, and uncomment iisnode below. -->
26      <!--<iisnode watchedFiles="web.config;*.js"
27          loggingEnabled="true"
28          devErrorsEnabled="true"
29          nodeProcessCommandLine="node.exe &#45;&#45;debug"/>-->
30
31      <!-- indicates that the cloudComputeEngine.js file is a Node.js application
32          to be handled by the iisnode module -->
33      <handlers>
34        <add name="iisnode" path="cloudComputeEngine.js" verb="*" modules="iisnode" />
35      </handlers>
36
37

```

Quick Launch (Ctrl+Q) Surab Shah SS

Solution Explorer

Search Solution Explorer (Ctrl+.)

- Solution 'ComputeEngine' (1 project)
  - ComputeEngine
    - npm
    - controllers
      - faceDetectController.js
      - faceRecognizeController.js
    - logger
      - index.js
      - logger.js
    - routes
      - faceRoutes.js
    - .gitignore
    - cloudComputeEngine.js
    - package.json
    - README.md
    - settings.js
    - settings\_dev.js
    - settings\_local.js
  - Web.config
  - Web.Debug.config

Properties

Toolbox SQL Server Object Explorer

File List: Item(s) Saved Error List Output Find Symbol Results Package Manager Console Web Publish Activity Data Tools Operations

Ln 34 Col 50 Ch 50 INS Add to Source Control

ComputeEngine - Microsoft Visual Studio

File Edit View Project Build Debug Team Tools Test Analyze Window Help

Debug Any CPU Web Server (Google Chrome)  

Toolbox SQL Server Object Explorer

cloudComputeEngine.js Web.config settings.js

```

16  </appSettings>
17  <system.webServer>
18      <!-- mimeMap enables IIS to serve particular file types as specified by fileExtension. -->
19      <staticContent>
20          <mimeType fileExtension=".svg" mimeType="image/svg+xml" />
21      </staticContent>
22
23      <modules runAllManagedModulesForAllRequests="false" />
24
25      <!-- Web.Debug.config adds attributes to this to enable remote debugging when publishing in Debug configuration. -->
26      <iisnode watchedFiles="web.config;*.js"/>
27
28      <!-- Remote debugging (Azure Website with git deploy): Comment out iisnode above, and uncomment iisnode below. -->
29      <!--iisnode watchedFiles="web.config;*.js"
30          loggingEnabled="true"
31          devErrorsEnabled="true"
32          nodeProcessCommandLine="node.exe &#45;&#45;debug"/>-->
33
34      <!-- indicates that the cloudComputeEngine.js file is a Node.js application
35          to be handled by the iisnode module -->
36      <handlers>
```

Solution Explorer

Search Solution Explorer (Ctrl+Shift+F)

Solution 'ComputeEngine' (1 project)

- JS ComputeEngine
  - npm
  - controllers
    - faceDetectController.js
    - faceRecognizeController.js
  - logger
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    - logger.js
  - routes
    - faceRoutes.js
- .gitignore
- cloudComputeEngine.js
- package.json
- README.md
- settings.js
- settings\_dev.js
- settings\_local.js
- Web.config
- Web.Debug.config

Properties

Output

Show output from: Build

----- Rebuild All started: Project: ComputeEngine, Configuration: Debug Any CPU -----  
===== Rebuild All 1 succeeded, 0 failed, 0 skipped =====

Error List Output Find Symbol Results Package Manager Console Web Publish Activity Data Tools Operations

 Rebuild All succeeded  Add to Source Control

ComputeEngine - Microsoft Visual Studio

File Edit View Project Build Debug Team Tools Test Analyze Window Help

Debug Any CPU Web Server (Google Chrome)  

Toolbox SQL Server Object Explorer

cloudComputeEngine.js Web.config settings.js

```

16  </appSettings>
17  <system.webServer>
18      <!-- mimeMap enables IIS to serve particular file types as specified by fileExtension. -->
19      <staticContent>
20          <mimeType fileExtension=".svg" mimeType="image/svg+xml" />
21      </staticContent>
22
23      <modules runAllManagedModulesForAllRequests="false" />
24
25      <!-- Web.Debug.config adds attributes to this to enable remote debugging when publishing in Debug configuration -->
26      <iisnode watchedFiles="web.config;*.js"/>
27
28      <!-- Remote debugging (Azure Website with git deploy): Comment out iisnode above, and uncomment iisnode below -->
29      <!--<iisnode watchedFiles="web.config;*.js"
30          loggingEnabled="true"
31          devErrorsEnabled="true"
32          nodeProcessCommandLine="node.exe &#45;&#45;debug"/>-->
33
34      <!-- indicates that the cloudComputeEngine.js file is a Node.js application
35          to be handled by the iisnode module -->
36      <handlers>
37          <add name="iisnode" path="cloudComputeEngine.js" verb="*" modules="iisnode" />
38
39          <!-- Remote debugging (Azure Website with git deploy): Uncomment NtvsDebugProxy handler below.
40              Additionally copy Microsoft.NodejsTools.WebRole to 'bin' from the Remote Debug Proxy folder.-->
41          <!--<add name="NtvsDebugProxy" path="ntvs-debug-proxy/d33d2a65-c907-4f94-a9a0-88382c259f1d" verb="*" res
42              type="Microsoft.NodejsTools.Debugger.WebSocketProxy, Microsoft.NodejsTools.WebRole"/>-->
43      </handlers>
44      <rewrite>
45          <rules>
46              <clear />
47              <!-- Remote debugging (Azure Website with git deploy): Uncomment the NtvsDebugProxy rule below. -->
48              <!--<rule name="NtvsDebugProxy" enabled="true" stopProcessing="true">
49                  <match url="^ntvs-debug-proxy/.*/" />

```

100 %

Error List Output Find Symbol Results Package Manager Console Web Publish Activity Data Tools Operations

This item does not support previewing

Quick Launch (Ctrl+Q) Surab Shah SS

Solution Explorer Properties

Solution 'ComputeEngine' (1 project)

JS ComputeEngine

- Build
- Rebuild
- Clean
- Convert
- Publish...**
- Open Node.js Interactive Window
- Scope to This
- New Solution Explorer View
- Add
- Set as StartUp Project
- Debug
- Cut Ctrl+X
- Paste Ctrl+V
- Remove Del
- Rename
- Unload Project
- Open Folder in File Explorer
- Copy Full Path
- Open Command Prompt Here...
- Properties Alt+Enter

Solution Explorer Team Explorer

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Add to Source Control

ComputeEngine - Microsoft Visual Studio

File Edit View Project Build Debug Team Tools Test Analyze Window Help

Any CPU Web Server (Google Chrome)  

cloudComputeEngine.js Web.config settings.js

Toolbox SQL Server Object Explorer

```

16  </appSettings>
17  <system.webServer>
18  <!-- mimeMap enables IIS to serve particular file types as specified by fileExtension. -->
19  <staticContent>
20  <mimeMap fileExtension=".svg" mimeType="image/svg+xml" />
21  </staticContent>
22
23  <modules runAllManagedModulesForAllRequests="true" />
24
25  <!-- Web.Debug.config adds attributes to the system.webServer section -->
26  <iisnode watchedFiles="web.config" />
27
28  <!-- Remote debugging (Azure Websites) -->
29  <!--<iisnode watchedFiles="web.config" loggingEnabled="true" devErrorsEnabled="true" nodeProcessCommandLine="node.exe" />
30
31  <!-- indicates that the cloudComputeEngine module needs to be handled by the iisnode module -->
32  <handlers>
33  <add name="iisnode" path="cloudComputeEngine" modules="iisnode" />
34
35  <!-- Remote debugging (Azure Websites) -->
36  <!-- Additionally copy Microsoft.NodejsTools.DLL -->
37  <!--<add name="NtvsDebugProxy" type="Microsoft.NodejsTools.Debugger.NtvsDebugProxy" />
38
39  </handlers>
40  <rewrite>
41  <rules>
42  <clear />
43  <!-- Remote debugging (Azure Website with git deploy): Uncomment the NtvsDebugProxy rule below. -->
44  <!--<rule name="NtvsDebugProxy" enabled="true" stopProcessing="true">
45  <match url="^ntvs-debug-proxy/.*/" />
46
47
48
49

```

**Publish**

Profile Select a publish target

- Microsoft Azure App Service
- Import
- Custom

More Options

Find other hosting options at our [web hosting gallery](#)

< Prev Next > Publish Close

Solution Explorer Team Explorer

This item does not support previewing

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Add to Source Control

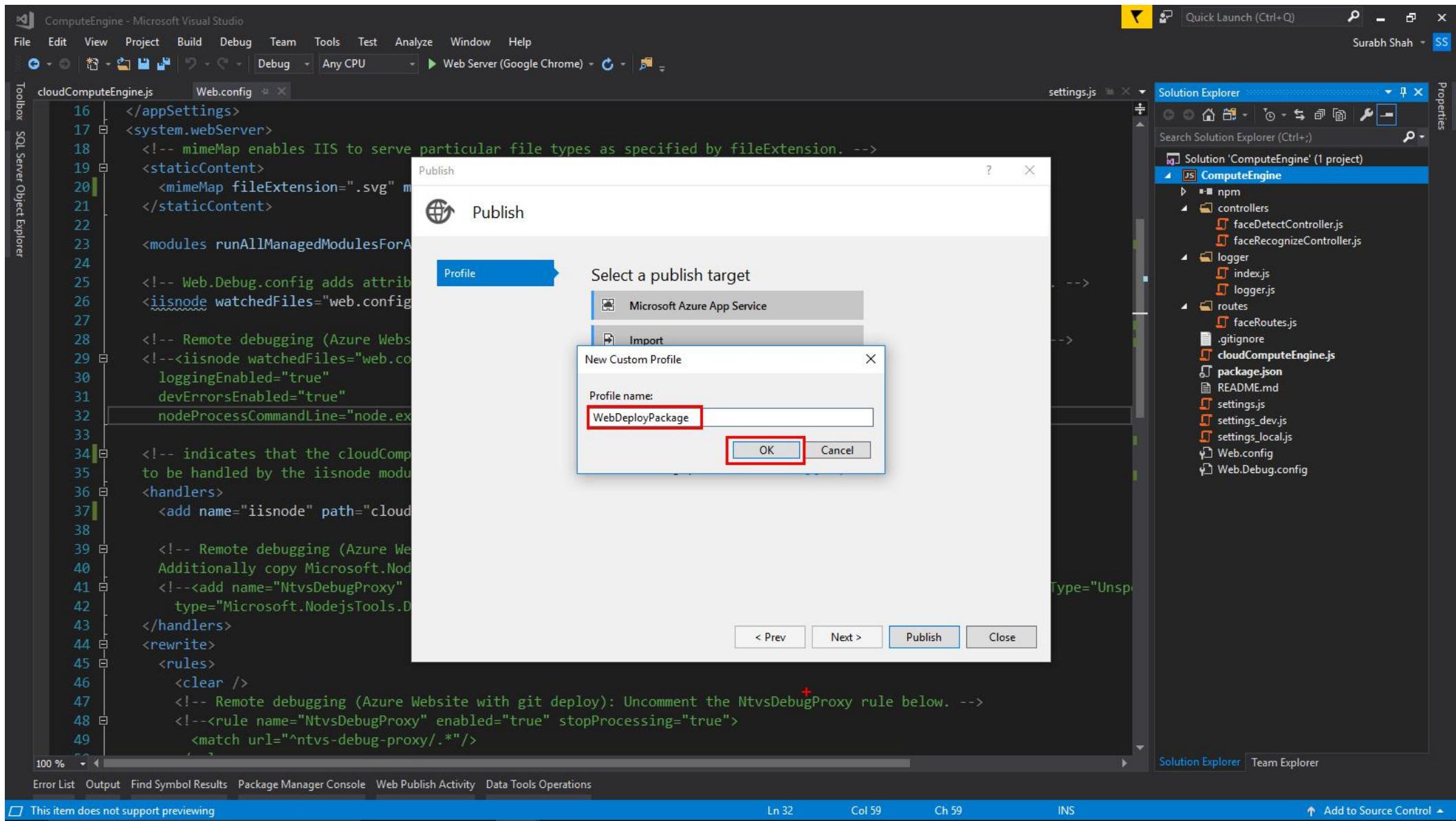
Surab Shah SS

Solution Explorer

Solution 'ComputeEngine' (1 project)

JS ComputeEngine

- npm
- controllers
  - faceDetectController.js
  - faceRecognizeController.js
- logger
  - index.js
  - logger.js
- routes
  - faceRoutes.js
- .gitignore
- cloudComputeEngine.js
- package.json
- README.md
- settings.js
- settings\_dev.js
- settings\_local.js
- Web.config
- Web.Debug.config



ComputeEngine - Microsoft Visual Studio

File Edit View Project Build Debug Team Tools Test Analyze Window Help

Any CPU Web Server (Google Chrome)  

cloudComputeEngine.js Web.config settings.js

Toolbox SQL Server Object Explorer

```

16  </appSettings>
17  <system.webServer>
18  <!-- mimeMap enables IIS to serve particular file types as specified by fileExtension. -->
19  <staticContent>
20    <mimeMap fileExtension=".svg" mimeType="image/svg+xml" />
21  </staticContent>
22
23  <modules runAllManagedModulesForAllRequests="true" />
24
25  <!-- Web.Debug.config adds attributes to the iisnode configuration -->
26  <iisnode watchedFiles="web.config" />
27
28  <!-- Remote debugging (Azure Website) -->
29  <!--<iisnode watchedFiles="web.config" loggingEnabled="true" devErrorsEnabled="true" nodeProcessCommandLine="node.exe" />
30
31  <!-- indicates that the cloudComputeEngine module needs to be handled by the iisnode module -->
32  <handlers>
33    <add name="iisnode" path="cloudComputeEngine" moduleType="iisnode" />
34
35  <!-- Remote debugging (Azure Website) -->
36  <!-- Additionally copy Microsoft.NodejsTools to the wwwroot directory -->
37  <!--<add name="NtvsDebugProxy" type="Microsoft.NodejsTools.Debugger.HttpModule" />
38  </handlers>
39  <rewrite>
40    <rules>
41      <clear />
42      <!-- Remote debugging (Azure Website with git deploy): Uncomment the NtvsDebugProxy rule below. -->
43      <!--<rule name="NtvsDebugProxy" enabled="true" stopProcessing="true">
44        <match url="^ntvs-debug-proxy/.*/" />
45      </rule>
46    </rules>
47  </rewrite>
48
49  <!-- Remote debugging (Azure Website with git deploy): Uncomment the NtvsDebugProxy rule below. -->
50  <!--<rule name="NtvsDebugProxy" enabled="true" stopProcessing="true">
51    <match url="^ntvs-debug-proxy/.*/" />
52  </rule>
53-->
```

**Publish**

Profile Connection Settings Preview

**WebDeployPackage \***

Publish method: **Web Deploy** **Web Deploy Package** **FTP** **File System**

Server:

Site name: e.g. www.contoso.com or Default Web Site/MyApp

User name:

Password:

Save password

Destination URL: e.g. http://www.contoso.com

+ Validate Connection

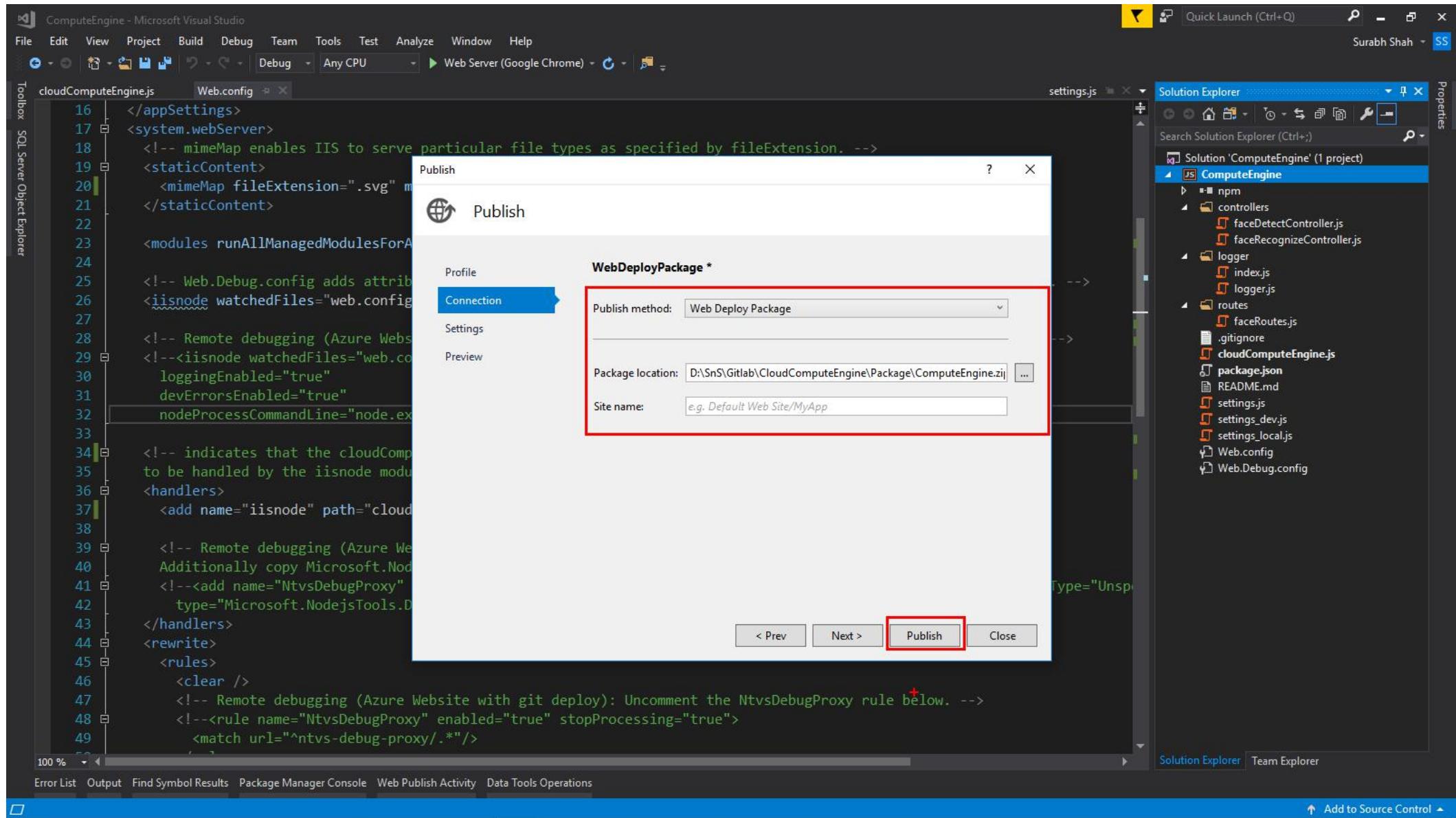
< Prev Next > Publish Close

Solution Explorer Team Explorer

This item does not support previewing

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Add to Source Control



ComputeEngine - Microsoft Visual Studio

File Edit View Project Build Debug Team Tools Test Analyze Window Help

Debug Any CPU Web Server (Google Chrome) Refresh Publish

cloudComputeEngine.js Web.config settings.js

```

16  </appSettings>
17  <system.webServer>
18      <!-- mimeMap enables IIS to serve particular file types as specified by fileExtension. -->
19      <staticContent>
20          <mimeType fileExtension=".svg" mimeType="image/svg+xml" />
21      </staticContent>
22
23      <modules runAllManagedModulesForAllRequests="false" />
24
25      <!-- Web.Debug.config adds attributes to this to enable remote debugging when publishing in Debug configuration. -->
26      <iisnode watchedFiles="web.config;*.js"/>
27
28      <!-- Remote debugging (Azure Website with git deploy): Comment out iisnode above, and uncomment iisnode below. -->
29      <!--iisnode watchedFiles="web.config;*.js"
30          loggingEnabled="true"
31          devErrorsEnabled="true"
32          nodeProcessCommandLine="node.exe &#45;&#45;debug"/>-->
33
34      <!-- indicates that the cloudComputeEngine.js file is a Node.js application
35          to be handled by the iisnode module -->
36      <handlers>
```

Solution Explorer

Search Solution Explorer (Ctrl+Shift+F)

Solution 'ComputeEngine' (1 project)

- JS ComputeEngine
  - npm
  - controllers
    - faceDetectController.js
    - faceRecognizeController.js
  - logger
    - index.js
    - logger.js
  - routes
    - faceRoutes.js
- .gitignore
- cloudComputeEngine.js
- package.json
- README.md
- settings.js
- settings\_dev.js
- settings\_local.js
- Web.config
- Web.Debug.config
- WebDeployPackage.pubxml

Properties

Output

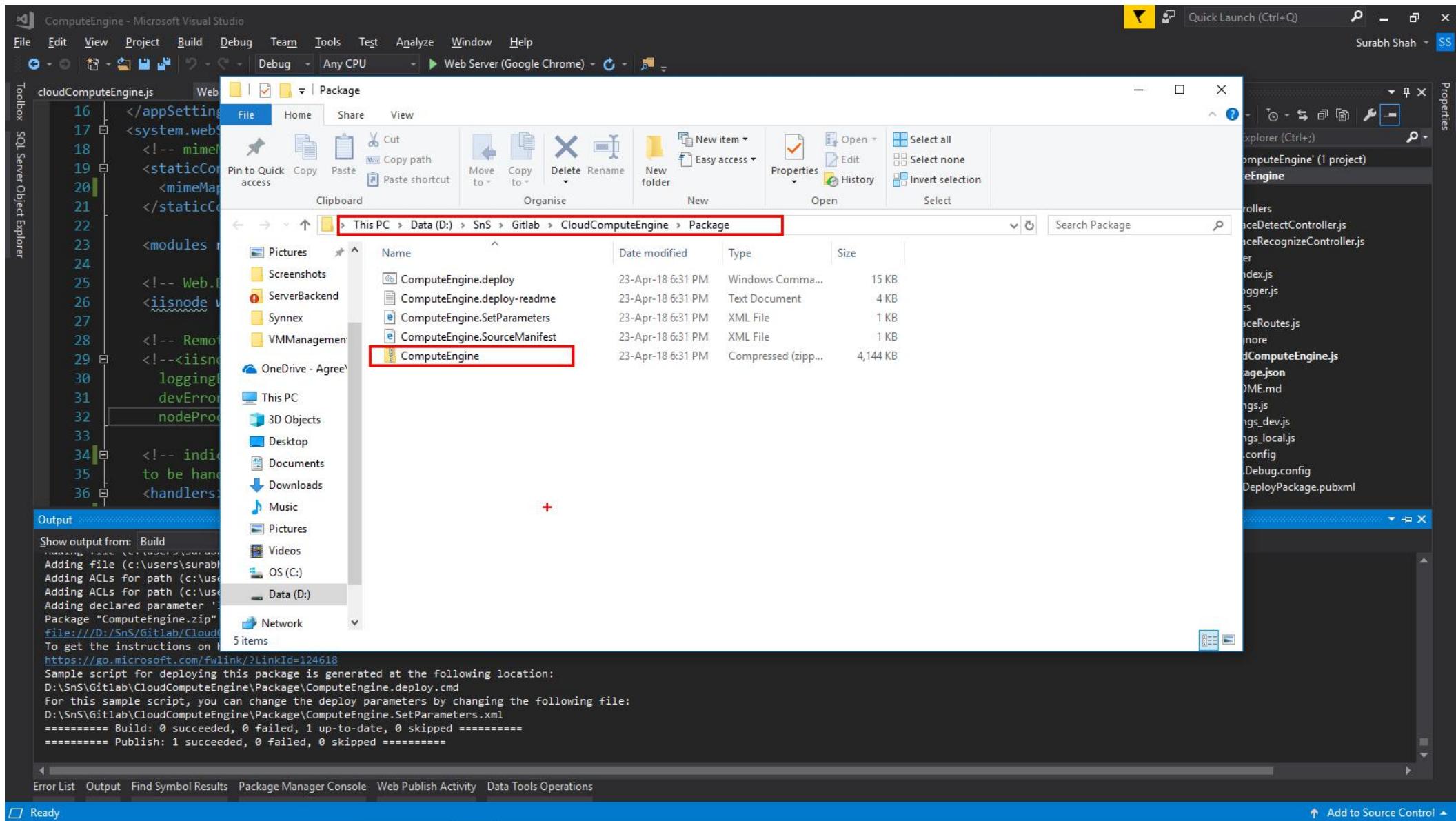
Show output from: Build

```

Adding file (c:\users\surabh\documents\visual studio 2017\Projects\ComputeEngine\ComputeEngine\obj\Release\Package\PackageTmp\Web.Debug.config).
Adding ACLs for path (c:\users\surabh\documents\visual studio 2017\Projects\ComputeEngine\ComputeEngine\obj\Release\Package\PackageTmp)
Adding ACLs for path (c:\users\surabh\documents\visual studio 2017\Projects\ComputeEngine\ComputeEngine\obj\Release\Package\PackageTmp)
Adding declared parameter 'IIS Web Application Name'.
Package "ComputeEngine.zip" is successfully created as single file at the following location:
file:///D:/SnS/Gitlab/CloudComputeEngine/Package
To get the instructions on how to deploy the web package please visit the following link:
https://go.microsoft.com/fwlink/?LinkId=124618
Sample script for deploying this package is generated at the following location:
D:\SnS/Gitlab/CloudComputeEngine/Package\ComputeEngine.deploy.cmd
For this sample script, you can change the deploy parameters by changing the following file:
D:\SnS/Gitlab/CloudComputeEngine/Package\ComputeEngine.SetParameters.xml
===== Build: 0 succeeded, 0 failed, 1 up-to-date, 0 skipped =====
===== Publish: 1 succeeded, 0 failed, 0 skipped =====
```

Error List Output Find Symbol Results Package Manager Console Web Publish Activity Data Tools Operations

Publish succeeded Add to Source Control



# Done. Packages have been created

**Note : Please follow the above steps for creating a package for backend app if not done already.**

# Uploading created packages

Microsoft Azure

Dashboard + New dashboard Upload Download Edit Share Full screen Clone Delete

Search resources, services, and docs

[Create a resource](#)

All services

Favorites

- Dashboard
- Resource groups
- All resources
- Recent
- App Services
- Virtual machines (classic)
- Virtual machines
- SQL databases
- Cloud services (classic)
- Security Center
- Subscriptions
- Azure Active Directory
- Monitor
- Cost Management + Bill...
- Help + support
- Advisor
- Machine Learning Experi...

All resources ALL SUBSCRIPTIONS Refresh

- snsdiag148
- snsarm
- SnSServerBackend
- atsnxv5docdbgd3f7mnjwpuyu
- sqlservermjcep2votum
- atsnxv5nodeapp
- snsiohub
- DaveyloTHub
- atsnxv5AppServPlan
- atsnxv5restapp
- atsnxv5eventhubmjecpd2votum
- atsnxv5iothubmjecpd2votum
- mjecpd2votumatvm
- assetmonitoringv2
- SnSFaceAPI
- sns-mongo

Service Health Refresh

Personalized guidance and support when issues in Azure services affect you. [Learn more](#)

Resources SNS Refresh

- snsdiag148
- snsarm
- SnSServerBackend
- snsiohub
- SnSFaceAPI
- sns-mongo
- SnSAppServPlan
- SnSB2C.onmicrosoft.com

Marketplace See more...

AssetEventHub EVENTHUB Active

Microsoft Azure

Home > New

New

Search resources, services, and docs

ms.iot@outlook.com  
MSIOTOUTLOOK (DEFAULT DI...)

Create a resource

All services

FAVORITES

Dashboard

Resource groups

All resources

Recent

App Services

Virtual machines (classic)

Virtual machines

SQL databases

Cloud services (classic)

Security Center

Subscriptions

Azure Active Directory

Monitor

Cost Management + Billi...

Help + support

Advisor

Machine Learning Experi...

Storage Account

Storage account - blob, file, table, queue

Get started

Recently created

Compute

Networking

Storage

Web

Mobile

Containers

Databases

Analytics

AI + Machine Learning

Internet of Things

Integration

Security

Identity

Developer tools

Management Tools

Software as a service (SaaS)

Blockchain

Windows Server 2016 VM Quickstart tutorial

Ubuntu Server 17.10 VM Learn more

Web App Quickstart tutorial

SQL Database Quickstart tutorial

Serverless Function App Quickstart tutorial

Cosmos DB Quickstart tutorial

Kubernetes Service Quickstart tutorial

DevOps Project Quickstart tutorial

Storage Account Quickstart tutorial

Show recently created items

Microsoft Azure

Storage account - blob, file, table, queue

Microsoft Azure provides scalable, durable cloud storage, backup, and recovery solutions for any data, big or small. It works with the infrastructure you already have to cost-effectively enhance your existing applications and business continuity strategy, and provide the storage required by your cloud applications, including unstructured text or binary data such as video, audio, and images.

Save for later

PUBLISHER Microsoft

USEFUL LINKS Documentation, Service overview, Pricing

Create

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Microsoft Azure

Home > New > Storage account - blob, file, table, queue > Create storage account

Create storage account

the usage and the options you choose below.  
[Learn more](#)

\* Name  .core.windows.net

Deployment model  Resource manager  Classic

Account kind

\* Location

Replication

Performance  Standard  Premium

\* Secure transfer required  Enabled  Disabled

\* Subscription

\* Resource group  Create new  Use existing

Virtual networks  
Configure virtual networks  Enabled  Disabled

Pin to dashboard

**Create** **Automation options**

Search resources, services, and docs

X       ms.riot@outlook.com MSIOTOUTLOOK (DEFAULT DI...)

Microsoft Azure

Dashboard + New dashboard Upload Download Edit Share Full screen Clone Delete

Search resources, services, and docs

All resources ALL SUBSCRIPTIONS Refresh

- snsdiag148
- snsarm
- SnSServerBackend
- atsnxv5docdbgd3f7mnjwpuyu
- sqlservermjcep2votum
- atsnxv5nodeapp
- snsiohub
- DaveyloTHub
- atsnxv5AppServPlan
- atsnxv5restapp
- atsnxv5eventhubmjcep2votum
- atsnxv5iothubmjcep2votum
- mjecpd2votumavm
- assetmonitoringv2
- SnSFaceAPI
- sns-mongo

Service Health

Personalized guidance and support when issues in Azure services affect you. Learn more

Resources SNS Refresh

- snsdiag148
- snsarm
- SnSServerBackend
- snsiohub
- SnSFaceAPI
- sns-mongo
- SnSAppServPlan
- SnSB2C.onmicrosoft.com

Marketplace Active

Deployment succeeded 4:24 PM Deployment 'Microsoft.StorageAccount-20180529162349' to resource group 'snsresources' was successful.

Go to resource Pin to dashboard

See more...

Microsoft Azure

Home > snsdeployer

**snsdeployer ← Storage Account Name**

All services

FAVORITES

- Dashboard
- Resource groups
- All resources
- Recent
- App Services
- Virtual machines (classic)
- Virtual machines
- SQL databases
- Cloud services (classic)
- Security Center
- Subscriptions
- Azure Active Directory
- Monitor
- Cost Management + Billi...
- Help + support
- Advisor
- Machine Learning Experi...

Storage account

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Storage Explorer (preview)

SETTINGS

Access keys

Configuration

Encryption

Shared access signature

Firewalls and virtual networks

Properties

Locks

Automation script

BLOB SERVICE

Containers

CORS

Custom domain

Resource group (change)  
snsresources

Status  
Primary: Available

Location  
East US

Subscription (change)  
Pay-As-You-Go

Subscription ID  
22b4e5a3-9229-45e2-a9f6-8bbc0a6ebdd3

Tags (change)  
Click here to add tags

Performance  
Standard

Replication  
Locally-redundant storage (LRS)

Account kind  
Storage (general purpose v1)

Services

**Blobs** REST-based object storage for unstructured data

Configure CORS rules  
Setup custom domain  
View metrics

**Files** File shares that use the standard SMB 3.0 protocol

Configure CORS rules  
View metrics

**Tables** Tabular data storage

Configure CORS rules  
View metrics

**Queues** Effectively scale apps according to traffic

Configure CORS rules  
View metrics

Monitoring

Show data for last:

1 hour 6 hours 12 hours 1 day 7 days Account

Total egress (snsdeployer)

Total ingress (snsdeployer)

Search resources, services, and docs

Open in Explorer Move Delete Refresh

ms.riot@outlook.com MSIOTOUTLOOK (DEFAULT DI...)

Microsoft Azure

Home > snsdeployer > Blob service

Blob service  
snsdeployer

+ Container Refresh Delete

Storage account  
snsdeployer

Status  
Primary: Available

Location  
East US

Subscription (change)  
Pay-As-You-Go

Subscription ID  
22b4e5a3-9229-45e2-a9f6-8bbc0a6ebdd3

Tags (change)  
Click here to add tags

Blob service endpoint  
<https://snsdeployer.blob.core.windows.net/>

Search containers by prefix

NAME	LAST MODIFIED	PUBLIC ACCESS L...	LEASE STATE
You don't have any containers yet. Click '+ Container' to get started.			

Create a resource

All services

FAVORITES

Dashboard

Resource groups

All resources

Recent

App Services

Virtual machines (classic)

Virtual machines

SQL databases

Cloud services (classic)

Security Center

Subscriptions

Azure Active Directory

Monitor

Cost Management + Billi...

Help + support

Advisor

Machine Learning Experi...

Microsoft Azure

Home > snsdeployer > Blob service

\_blob service snsdeployer

+ Container Refresh Delete

New container

Name: deploymentcontent

Public access level: Blob (anonymous read access for blobs only)

OK Cancel +

Search containers by prefix

NAME	LAST MODIFIED	PUBLIC ACCESS L...	LEASE STATE
You don't have any containers yet. Click '+ Container' to get started.			

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Microsoft Azure

Home > snsdeployer > Blob service

Blob service  
snsdeployer

+ Container Refresh Delete

Storage account  
snsdeployer

Status  
Primary: Available

Location  
East US

Subscription (change)  
Pay-As-You-Go

Subscription ID  
22b4e5a3-9229-45e2-a9f6-8bbc0a6ebdd3

Tags (change)  
Click here to add tags

Blob service endpoint  
<https://snsdeployer.blob.core.windows.net/>

Search containers by prefix

NAME	LAST MODIFIED	PUBLIC ACCESS L...	LEASE STATE
deploymentcontent	5/29/2018, 4:28:35 PM	Blob	Available

Container Name|

← Container Name|

Microsoft Azure

Home > snsdeployer > Blob service

Blob service  
snsdeployer

+ Container Refresh Delete

Essentials

Search containers by prefix

NAME	LAST MODIFIED	PUBLIC ACCESS L...	LEASE STATE
deploymentcontent	5/29/2018, 4:28:35 PM	Blob	Available

deploymentcontent

+

Create a resource

All services

FAVORITES

- Dashboard
- Resource groups
- All resources
- Recent
- App Services
- Virtual machines (classic)
- Virtual machines
- SQL databases
- Cloud services (classic)
- Security Center
- Subscriptions
- Azure Active Directory
- Monitor
- Cost Management + Billi...
- Help + support
- Advisor
- Machine Learning Experi...

Microsoft Azure

Blob service snsdeployer

Container deploymentcontent

Upload

Overview

Access Control (IAM)

SETTINGS

Access policy

Properties

deploymentcontent

Container

Search resources, services, and docs

ms.riot@outlook.com MSIOTOUTLOOK (DEFAULT DI...)

CONFIDENTIAL

NAME

MODIFIED

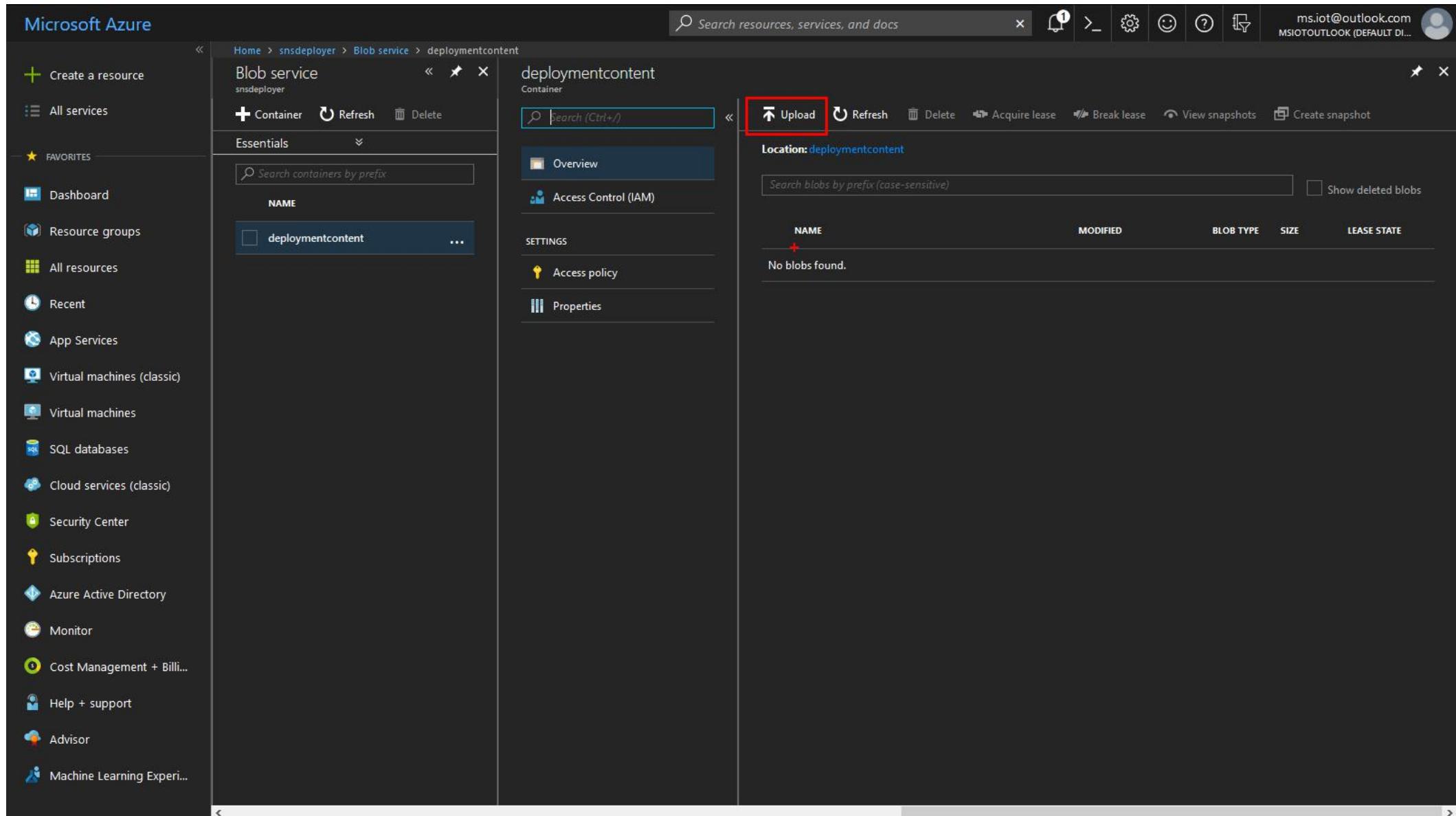
BLOB TYPE

SIZE

LEASE STATE

No blobs found.

Search blobs by prefix (case-sensitive)  Show deleted blobs



Microsoft Azure

Blob service

deploymentcontent

deploymentcontent

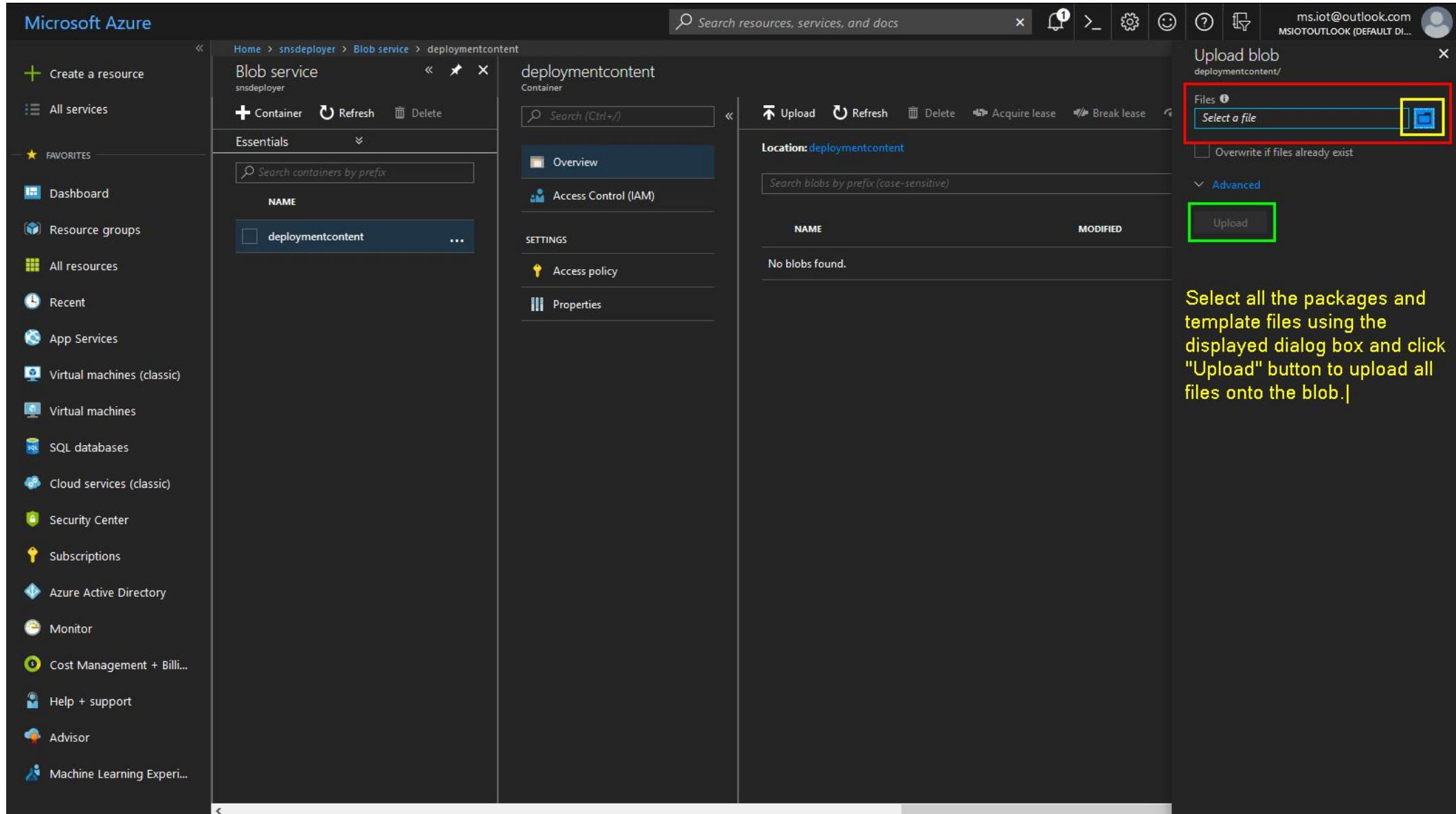
Upload blob

Select a file

Overwrite if files already exist

Upload

Select all the packages and template files using the displayed dialog box and click "Upload" button to upload all files onto the blob.|



The screenshot shows the Microsoft Azure portal interface. On the left, the navigation menu includes options like 'Create a resource', 'All services', 'FAVORITES' (Dashboard, Resource groups, All resources, Recent, App Services, Virtual machines (classic), Virtual machines, SQL databases, Cloud services (classic), Security Center, Subscriptions, Azure Active Directory, Monitor, Cost Management + Billi..., Help + support, Advisor, Machine Learning Experi...), and 'Container' in the Blob service section. The main area displays the 'deploymentcontent' container within a 'Blob service' context. A search bar at the top says 'Search resources, services, and docs'. To the right, a modal window titled 'Upload blob' is open, showing a 'Files' section with a 'Select a file' input field (highlighted with a red box) and an 'Upload' button (highlighted with a green box). Below the modal, a note in yellow text instructs: 'Select all the packages and template files using the displayed dialog box and click "Upload" button to upload all files onto the blob.' The overall theme is dark mode.

Microsoft Azure

Home > snsdeployer > Blob service > deploymentcontent

Blob service deploymentcontent

File Upload

Organise New folder

Name	Date modified	Type	Size
CloudComputeEngine	16-Apr-18 5:35 PM	Compressed (zipp...)	4,171 KB
SnsBackend	16-Apr-18 6:06 PM	Compressed (zipp...)	9,082 KB
<b>SnsWebApp</b>	16-Apr-18 5:33 PM	Compressed (zipp...)	6,290 KB

Acquire lease Break lease

Upload blob deploymentcontent/

Select a file

Overwrite if files already exist

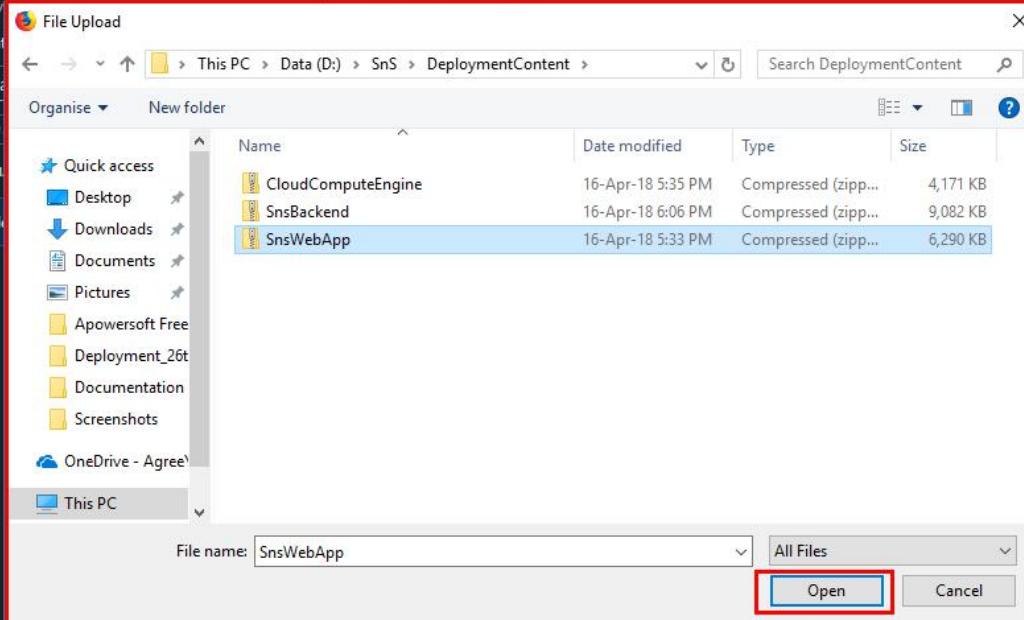
Advanced

Upload

File name: SnsWebApp

All Files

Open Cancel



Microsoft Azure

Home > snsdeployer > Blob service > deploymentcontent

Blob service

Container

deploymentcontent

Search resources, services, and docs

Upload blob

deploymentcontent/

Files 1  
"SnsWebApp.zip"

Overwrite if files already exist

Advanced

Upload

Search containers by prefix

NAME

Overview

Access Control (IAM)

SETTINGS

Access policy

Properties

NAME

MODIFIED

No blobs found.

Search blobs by prefix (case-sensitive)

Recent

Dashboard

All services

Favorites

Resource groups

All resources

App Services

Virtual machines (classic)

Virtual machines

SQL databases

Cloud services (classic)

Security Center

Subscriptions

Azure Active Directory

Monitor

Cost Management + Billi...

Help + support

Advisor

Machine Learning Experi...

Microsoft Azure

Home > snsdeployer > Blob service > deploymentcontent

Blob service

Container: deploymentcontent

Essentials

NAME: deploymentcontent

SETTINGS

Access policy

Properties

deploymentcontent

Search resources, services, and docs

Upload blob

deploymentcontent/

Files: Select a file

Overwrite if files already exist

Location: deploymentcontent

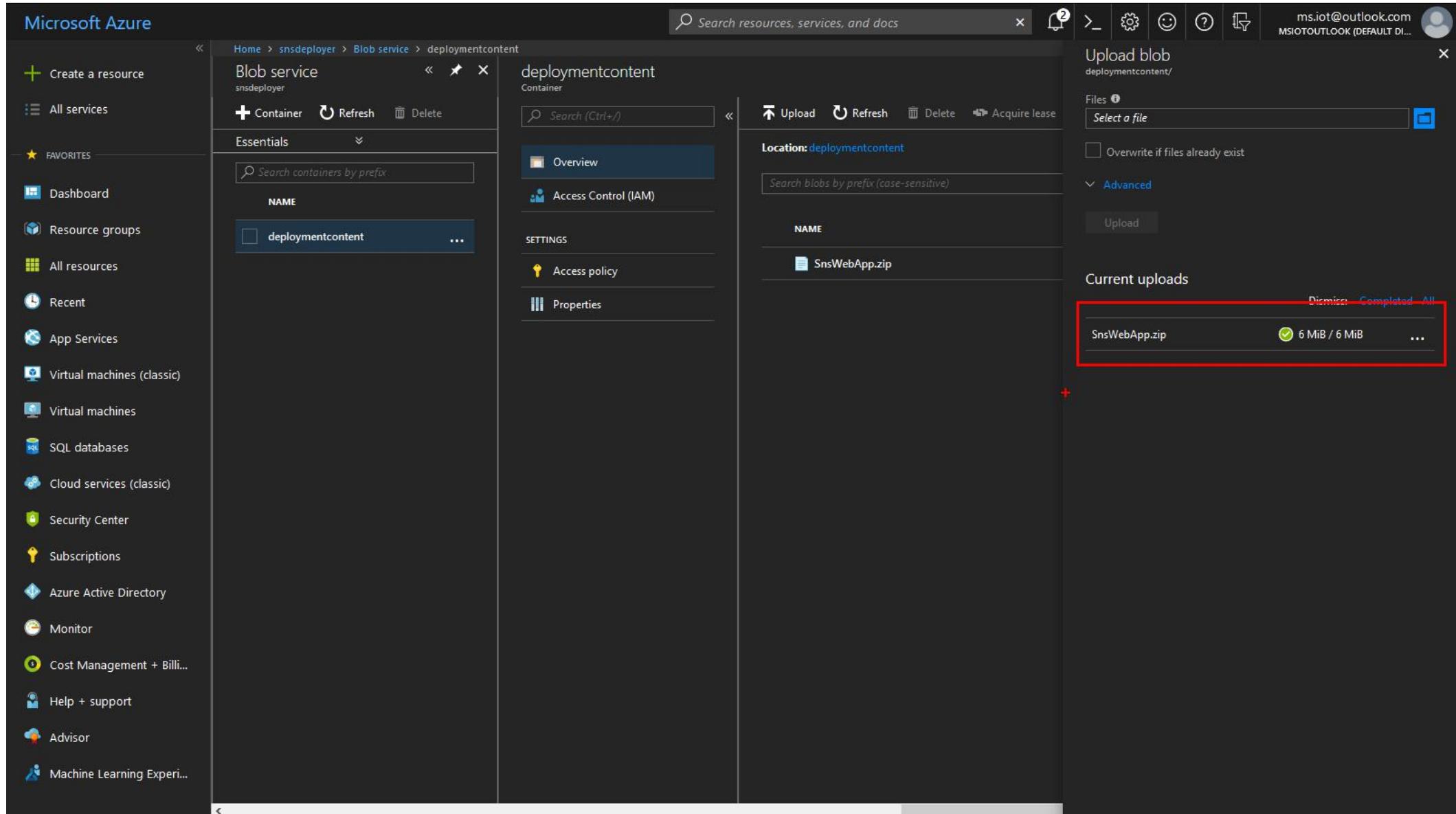
Search blobs by prefix (case-sensitive)

NAME: SnsWebApp.zip

Upload

Current uploads

SnsWebApp.zip 6 MiB / 6 MiB



A screenshot of the Microsoft Azure portal. On the left, the navigation menu includes 'Create a resource', 'All services', 'FAVORITES' (Dashboard, Resource groups, All resources, Recent, App Services, Virtual machines (classic), Virtual machines, SQL databases, Cloud services (classic), Security Center, Subscriptions, Azure Active Directory, Monitor, Cost Management + Billi..., Help + support, Advisor, Machine Learning Experi...), and a search bar at the top right. The main area shows the 'Blob service' blade for the 'snsdeployer' resource group. A container named 'deploymentcontent' is selected. An 'Upload blob' dialog is open, showing the path 'deploymentcontent/' and a file selection input field with the placeholder 'Select a file'. Below it, an 'Advanced' section has an 'Overwrite if files already exist' checkbox. The 'Current uploads' section shows a single item: 'SnsWebApp.zip' with a size of '6 MiB / 6 MiB', marked with a green checkmark. A red rectangle highlights this row.

Microsoft Azure

Blob service snsdeployer

Container

deploymentcontent

Overview

Access Control (IAM)

SETTINGS

Access policy

Properties

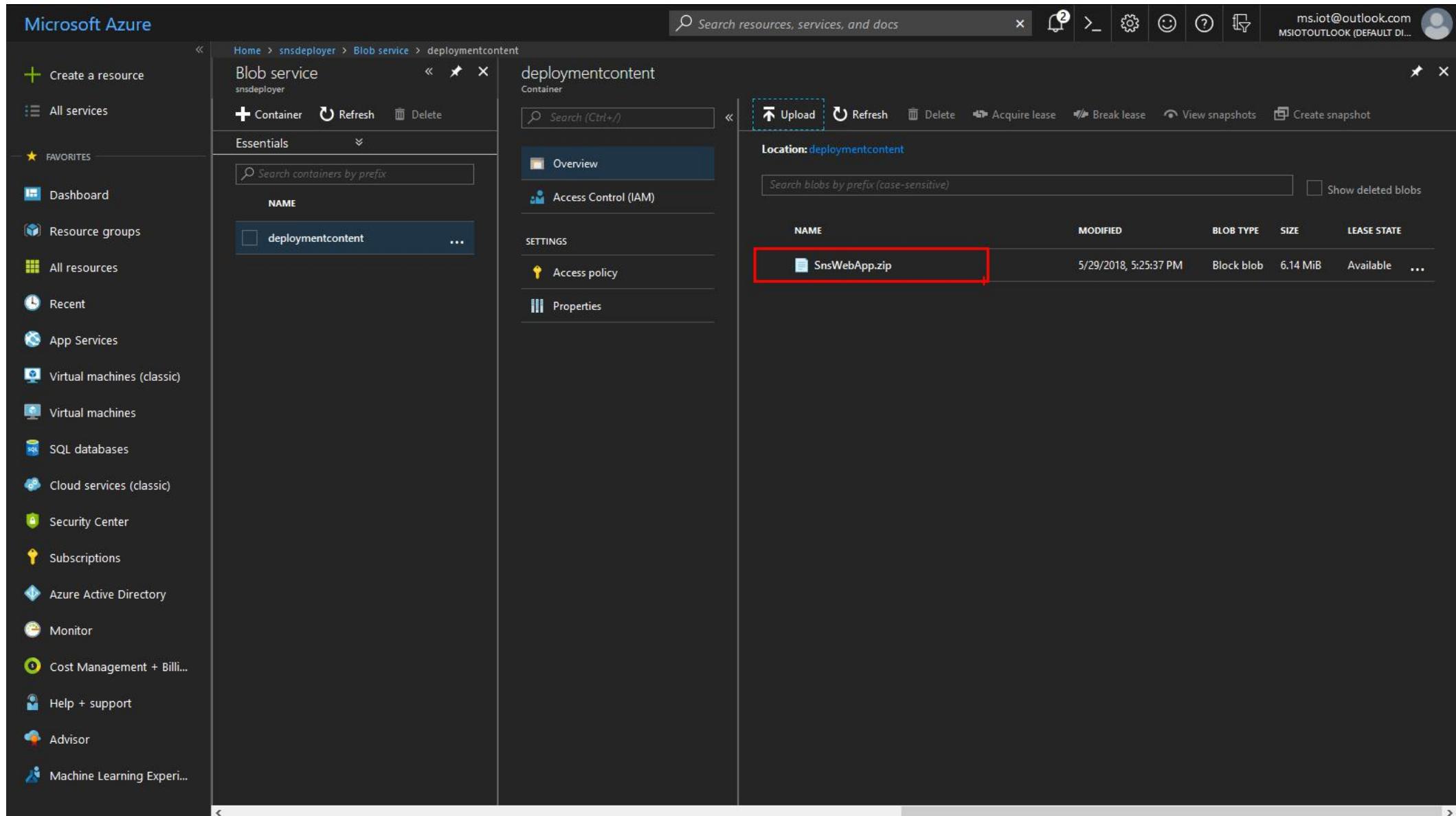
deploymentcontent

Upload Refresh Delete Acquire lease Break lease View snapshots Create snapshot

Location: deploymentcontent

Search blobs by prefix (case-sensitive) Show deleted blobs

NAME	MODIFIED	BLOB TYPE	SIZE	LEASE STATE
SnsWebApp.zip	5/29/2018, 5:25:37 PM	Block blob	6.14 MiB	Available



The screenshot shows the Microsoft Azure Blob service interface. On the left, the navigation menu includes options like Create a resource, All services, Favorites, Dashboard, Resource groups, All resources, Recent, App Services, Virtual machines (classic), Virtual machines, SQL databases, Cloud services (classic), Security Center, Subscriptions, Azure Active Directory, Monitor, Cost Management + Billi..., Help + support, Advisor, and Machine Learning Experi... A search bar at the top right is present. The main area displays a container named 'deploymentcontent' containing a single blob named 'SnsWebApp.zip'. The blob details show it was modified on 5/29/2018, 5:25:37 PM, is a Block blob, and has a size of 6.14 MiB, with an available lease state. The 'Upload' button is highlighted with a red box.

Microsoft Azure

Home > snsdeployer > Blob service > deploymentcontent > SnsWebApp.zip

**deploymentcontent** Container

Search (Ctrl+ /)

Overview Access Control (IAM) Properties

Upload Refresh More

Location: deploymentcontent

Search blobs by prefix (case-sensitive) Show deleted blobs

NAME

SnsWebApp.zip ...

URL [https://snsdeployer.blob.core...](https://snsdeployer.blob.core.windows.net/)

LAST MODIFIED 5/29/2018, 5:25:37 PM

CREATION TIME 5/29/2018, 5:25:37 PM

TYPE Block blob

SIZE 6.14 MiB

SERVER ENCRYPTED true

ETAG 0x8D5C55B17A14E1C

CONTENT-MDS -

LEASE STATUS Unlocked

LEASE STATE Available

LEASE DURATION -

COPY STATUS -

COPY COMPLETION TIME -

Undelete all snapshots.

Access Tier

Optimize storage costs by placing your data in the appropriate access tier.  
Archive is not supported in your region at this time. [Learn more](#)

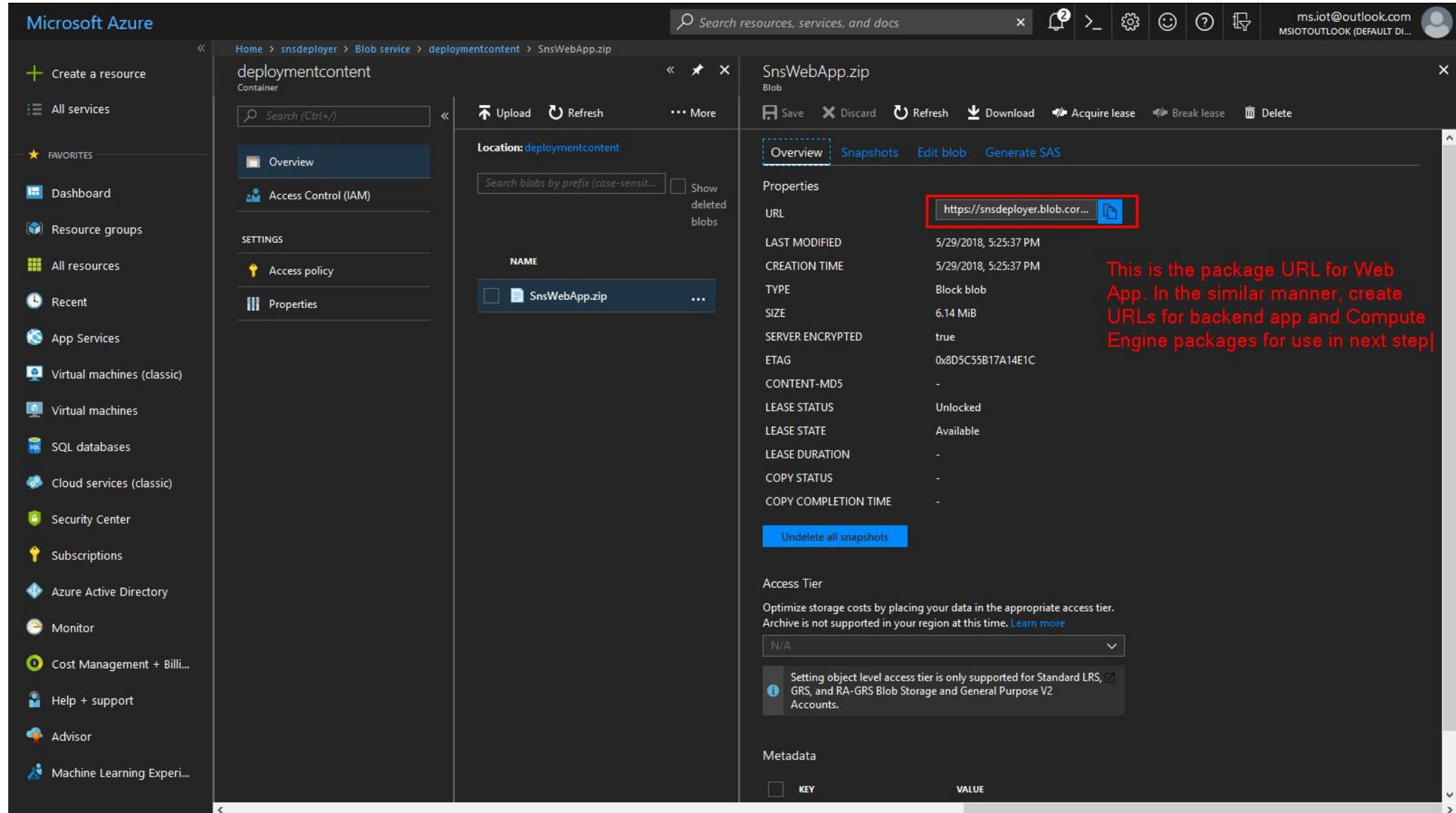
N/A

Setting object level access tier is only supported for Standard LRS, GRS, and RA-GRS Blob Storage and General Purpose V2 Accounts.

Metadata

KEY	VALUE

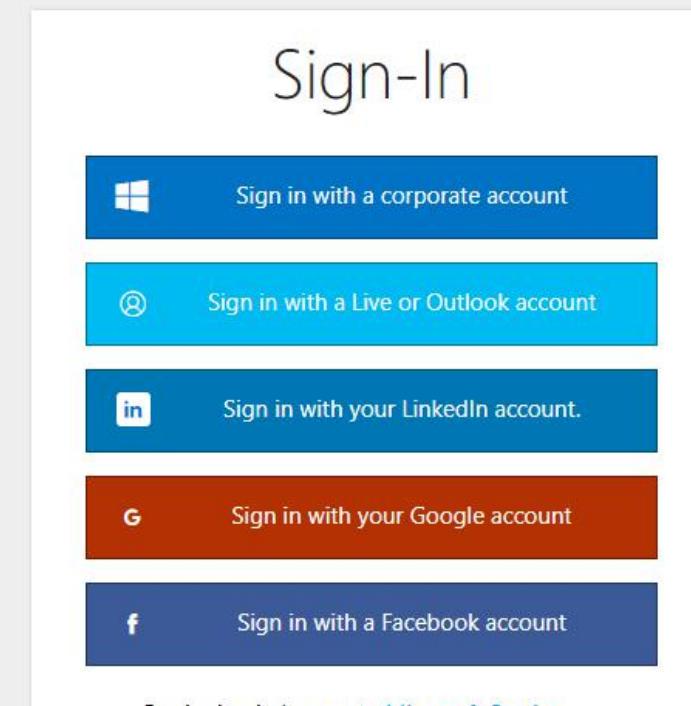
This is the package URL for Web App. In the similar manner, create URLs for backend app and Compute Engine packages for use in next step|



# Done uploading packages

# Setting up Video Indexer

Sign in with any kind of account suitable to you. However, we would show the Outlook account method|



The screenshot shows a browser window for 'Video Indexer - Cognitive' at the URL <https://www.videoindexer.ai/account/login>. The main content is a 'Sign-In' page with five options:

- Sign in with a corporate account (Windows icon)
- Sign in with a Live or Outlook account (Outlook icon)
- Sign in with your LinkedIn account. (LinkedIn icon)
- Sign in with your Google account (Google icon)
- Sign in with a Facebook account (Facebook icon)

At the bottom, it says: 'By signing in I agree to [Microsoft Service Agreement](#) and the [Privacy Statement](#)'.

[←](#) [→](#) [⟳](#) [HomeAs](#) https://www.videoindexer.ai [...](#) [⋮](#) [★](#) [🔍 Search](#) ☰

**Video Indexer Preview** [Connect to Azure](#) Account **msiot-a59d0a Trial** ☰ [↑](#) [⤒](#) [⤓](#) [⤔](#) [⤑](#) ☰

## Find the right moment

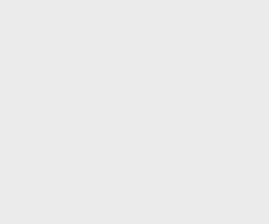
Search inside every video for just the content you need

Find topics Find people

Search for text, keywords, or visual content  Search for people and celebrities Search

[Show more filters ▾](#)

[Account videos](#) [Sample videos](#) ⤒ Upload ⏪ Refresh

	Created 9 days ago	3m4s	Indexing video 5%	
<span>CAM 6 Reception2</span>		2018/05/22 15:00:50	<span>5b050f766d4c423338c9a25d_1527076861</span>	
<span>CAM 6 Reception2</span>		2018/05/22 15:00:59	<span>5b050f766d4c423338c9a25d_1527230...</span>	
<span>CAM 6 Reception2</span>		2018/05/22 15:00:59	<span>5b050f766d4c423338c9a25d_1527077...</span>	
<span>CAM 10 - Office Entry</span>		2018/04/23 19:07:39	<span>5ae6f26701d3a221e8a166d9_1527066...</span>	

Video Indexer - Cognitive X Video Indexer API (v2) po X

https://api-portal.videoindexer.ai



Welcome to Video Indexer API (v2) portal!

Get Started

**HOME APIS PRODUCTS ISSUES SIGN IN**

**Getting Started**

[Overview](#)  
[Subscribing to the API](#)

**API**

[Overview](#)  
[Complete API Reference](#)

**Developer Support**

API users can engage directly with the community and discuss [issues](#).  
For any issue, please contact [visupport@microsoft.com](mailto:visupport@microsoft.com)

**Embeddable Widgets**

[Overview](#)  
[Cross Origin Communications](#)  
[Subtitles](#)  
[Demo](#)  
[Read More](#)

SIGN IN

Video Indexer - Cognitive X Video Indexer API (v2) pc X https://api-portal.videoindexer.ai/signin?ReturnUrl=%2Fproducts%2Fauthorization%2Fsubscribe

# Video Indexer API (v2)

HOME APIS PRODUCTS ISSUES SIGN IN

## Sign in

Sign in with:

 Azure Active Directory

 Google

 Microsoft

Important notes:

1. You must use the same provider you used when you signed up to the Video Indexer website
2. Before AAD users from a domain can sign in, the AAD global admin for that domain must grant permission through [here](#)
3. Personal Google and Microsoft (outlook/live) accounts can only be used for trial accounts. Accounts connected to Azure require AAD.

Go to the [Video Indexer website](#)

Video Indexer - Cognitive X Video Indexer API (v2) po X

https://api-portal.videoindexer.ai/signin-callback?provider=Microsoft

# Video Indexer API (v2)

HOME APIS PRODUCTS ISSUES SIGN IN

## Sign up

Already a member? [Sign in now](#)

Create a new API Management account

To complete your registration fill out the form below.

Email

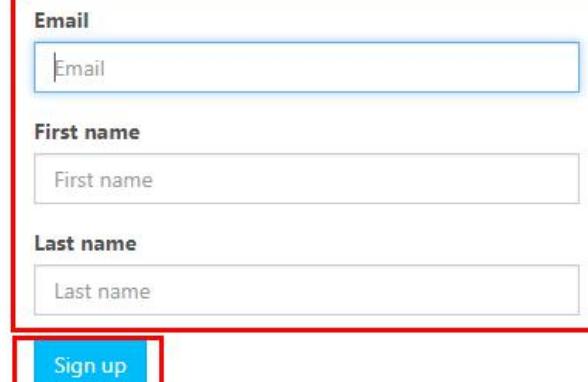
First name

Last name

**Fill in the details and click "Sign up"!**

Sign up

Go to the [Video Indexer website](#)



Video Indexer - Cognitive X Video Indexer API (v2) po X

https://api-portal.videoindexer.ai/developer

# Video Indexer API (v2)

HOME APIS PRODUCTS ISSUES MSIOT ADMIN ▾

## Profile

Email ms.iot@outlook.com

First name MSIOT

Last name Admin

Change account information

## Your subscriptions

To subscribe to the API and obtain keys, please go to the products page

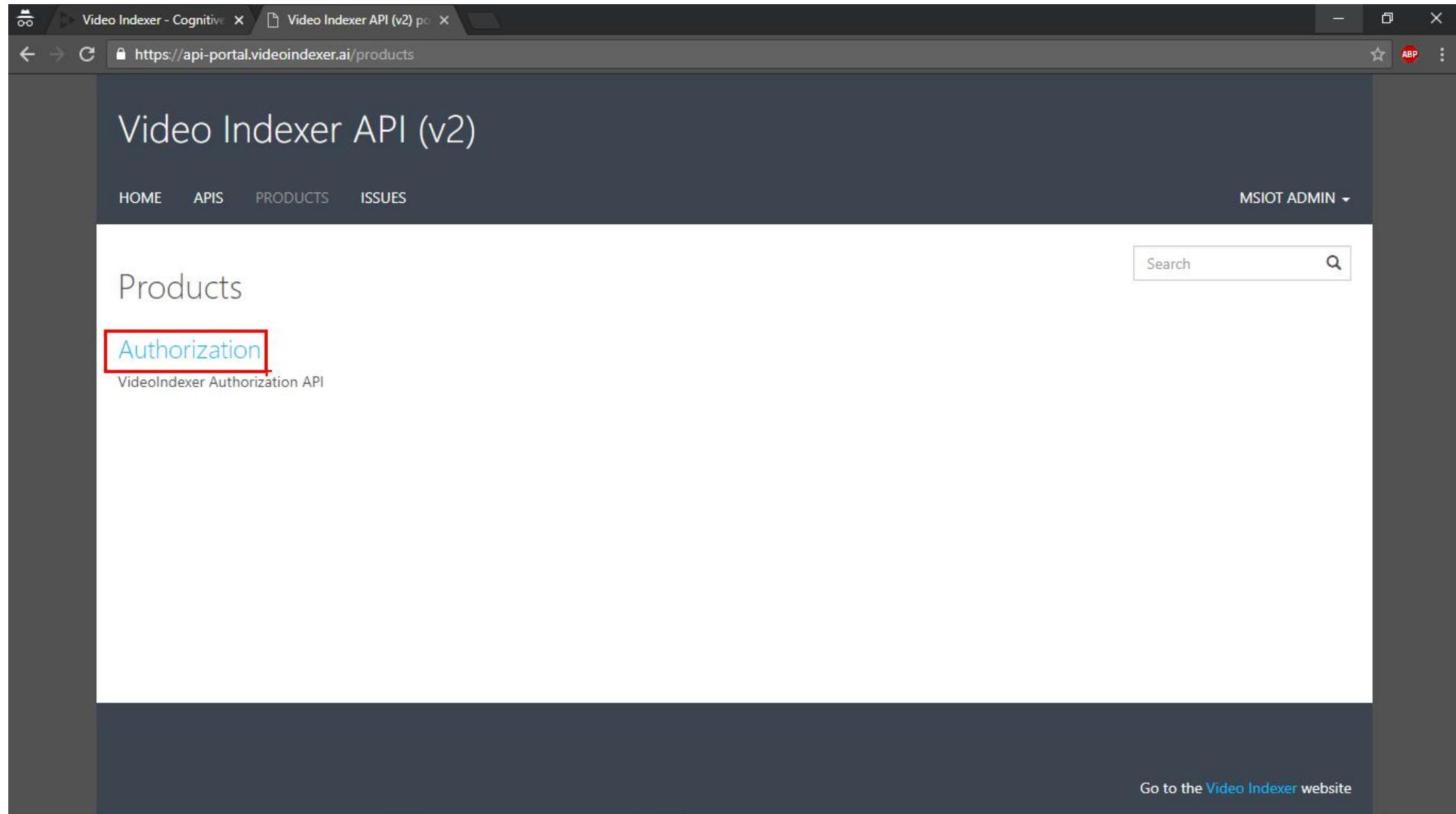
Subscription details	Product	State	Action
	No results found.		

Analytics reports

Looking to close your account?

[Close account](#)

Go to the [Video Indexer website](#)



The screenshot shows a web browser window with two tabs open: "Video Indexer - Cognitive" and "Video Indexer API (v2) products". The second tab is active and displays the "Video Indexer API (v2)" interface. The main content area is titled "Products". A blue link labeled "Authorization" is highlighted with a red rectangular box. Below it, the text "VideoIndexer Authorization API" is visible. In the top right corner of the main content area, there is a search bar with the placeholder "Search" and a magnifying glass icon. At the bottom right of the main content area, there is a link "Go to the Video Indexer website". The top navigation bar includes links for "HOME", "APIS", "PRODUCTS", and "ISSUES", along with a "MSIOT ADMIN" dropdown menu. The address bar at the top of the browser shows the URL "https://api-portal.videoindexer.ai/products".

Video Indexer - Cognitive X Video Indexer API (v2) po X

https://api-portal.videoindexer.ai/products/authorization

# Video Indexer API (v2)

HOME APIS PRODUCTS ISSUES MSIOT ADMIN ▾

## Authorization

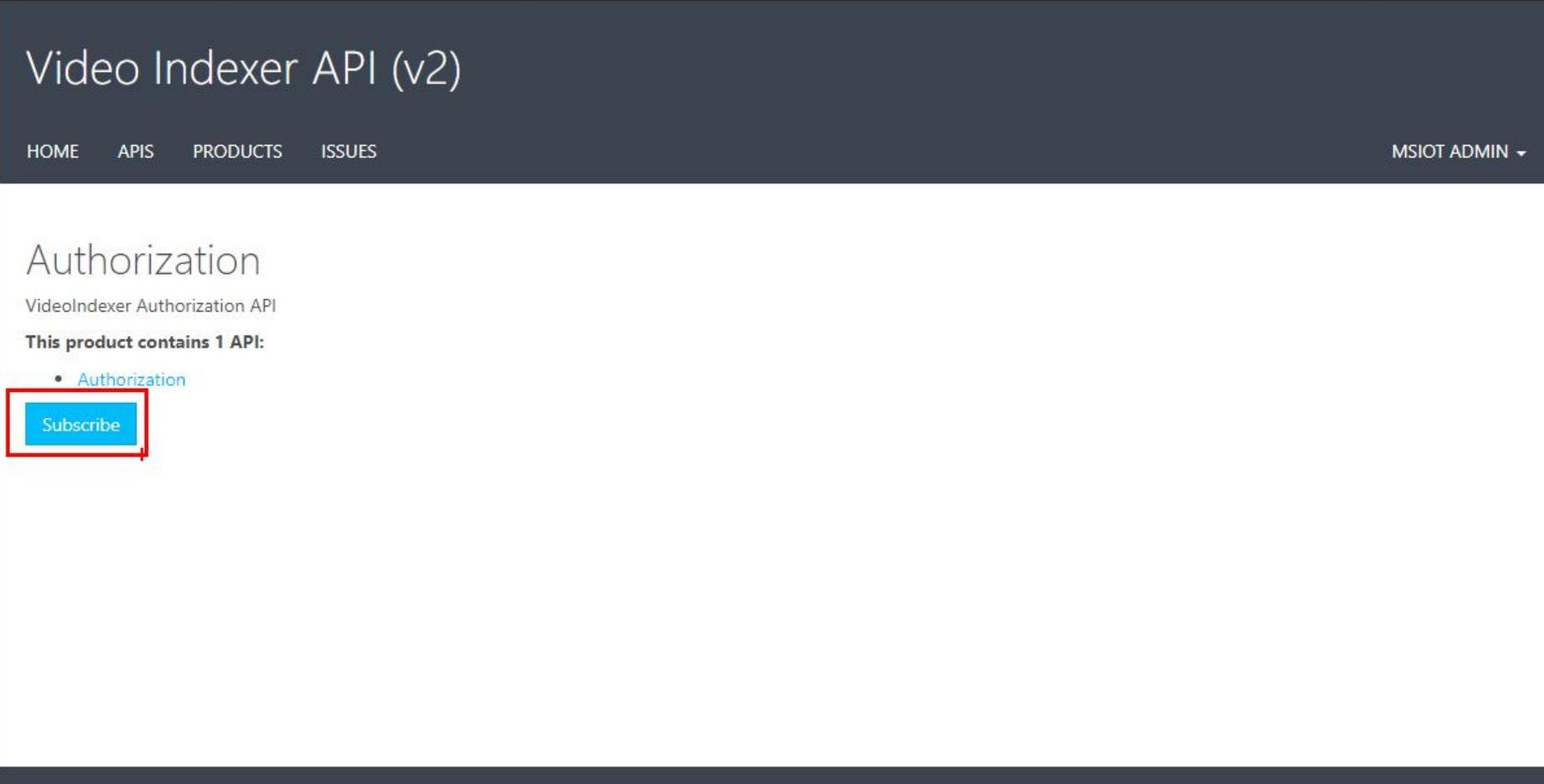
VideolIndexer Authorization API

This product contains 1 API:

- [Authorization](#)

[Subscribe](#)

Go to the [Video Indexer website](#)



Video Indexer - Cognitive X Video Indexer API (v2) pc X

https://api-portal.videoindexer.ai/products/authorization/subscribe

# Video Indexer API (v2)

HOME APIS PRODUCTS ISSUES MSIOT ADMIN ▾

## Subscribe to product

A new subscription will be created as follows:

Product:	Authorization
Description:	VideoIndexer Authorization API
Subscription name:	Authorization

**Confirm** **Cancel**

+

Go to the [Video Indexer website](#)

Video Indexer - Cognitive X Video Indexer API (v2) po X https://api-portal.videoindexer.ai/developer#5b118e6326eb8007945e0fb5 VIDEO INDEXER API (V2)

HOME APIS PRODUCTS ISSUES MSIOT ADMIN ▾

You have successfully subscribed to the **Authorization** product. Try the [APIs](#) in this product now.

**Profile**

Email ms.iot@outlook.com  
First name MSIOT  
Last name Admin

**Change account information**

**Your subscriptions**

**Subscription details**

Subscription name	Started on	Product	Action
Authorization	06/01/2018	Authorization	Active
<a href="#">Primary key</a>	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	<a href="#">Rename</a>	<a href="#">Cancel</a>
<a href="#">Secondary key</a>	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	<a href="#">Show</a>   <a href="#">Regenerate</a>	<a href="#">Show</a>   <a href="#">Regenerate</a>

**Preserve this key for further use as Video Indexer Key**

Looking to close your account?

[Close account](#)

[Analytics reports](#)

Go to the [Video Indexer website](#)

# Done Setting up Video Indexer