

WEBSITE DEPLOYMENT USING MICROSOFT AZURE

```
Git CMD - python main.py
C:\Users>
E:\>git clone https://github.com/kim-codes/python-webapp-azure-test.git
Cloning into 'python-webapp-azure-test'...
remote: Enumerating objects: 33, done.
remote: Total 33 (delta 0), reused 0 (delta 0), pack-reused 33
Unpacking objects: 100% (33/33), 7.68 KiB | 1024 bytes/s, done.
E:\>cd python-webapp-azure-test
E:\python-webapp-azure-test>dir
Volume in drive E has no label.
Volume Serial Number is 0CDC-ED86

Directory of E:\python-webapp-azure-test

03/31/2020 06:30 PM <DIR> .
03/31/2020 06:30 PM <DIR> ..
03/31/2020 06:30 PM 1,134 .gitignore
03/31/2020 06:30 PM 1,183 LICENSE
03/31/2020 06:30 PM 157 main.py
03/31/2020 06:30 PM 4,295 ptvs_virtualenv_proxy.py
03/31/2020 06:30 PM 751 README.md
03/31/2020 06:30 PM 15 requirements.txt
03/31/2020 06:30 PM 1,674 web.2.7.config
03/31/2020 06:30 PM 1,624 web.3.4.config
03/31/2020 06:30 PM 8 File(s)
03/31/2020 06:30 PM 10,833 bytes
03/31/2020 06:30 PM 2 Dir(s) 154,910,834,688 bytes free

E:\python-webapp-azure-test>type main.py
from flask import Flask
app = Flask(__name__)

@app.route('/')
def hello_world():
    return 'Hello, Azure!!'

if __name__ == '__main__':
    app.run()

E:\python-webapp-azure-test>python main.py
* Serving Flask app "main" (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

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localhost:5000

← → ↻ ⓘ localhost:5000

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Hello, Azure!!

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DEFAULT DIRECTORY

Azure services

Create a resource

Cost Management...

Virtual machines

App Services

Storage accounts

SQL databases

Azure Database for PostgreSQL

Azure Cosmos DB

Kubernetes services

More services

Navigate

Subscriptions

Resource groups

All resources

Dashboard

Bash

```
Requesting a Cloud Shell.Succeeded.
Connecting terminal...

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```

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Bash

```
Requesting a Cloud Shell.Succeeded.
Connecting terminal...

philo@Azure:~$ az webapp deployment user set --user-name newUser051 --password newUser051
{
  "id": null,
  "kind": null,
  "name": "web",
  "publishingPassword": null,
  "publishingPasswordHash": null,
  "publishingPasswordHashSalt": null,
  "publishingUserName": "newUser051",
  "scmUri": null,
  "type": "Microsoft.Web/publishingUsers/web"
}

philo@Azure:~$ az group create --name nwResourceGroup --location westeurope
{
  "id": "/subscriptions/dbb5cdc8-e003-4be3-a43a-8929d4246b2c/resourceGroups/nwResourceGroup",
  "location": "westeurope",
  "managedBy": null,
  "name": "nwResourceGroup",
  "properties": {
    "provisioningState": "Succeeded"
  },
  "tags": null,
  "type": "Microsoft.Resources/resourceGroups"
}

philo@Azure:~$
```

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Bash

```
philo@Azure:~$ az appservice plan create --name nwppServiceApp --resource-group nwResourceGroup --sku FREE
```

```
{
  "freeOfferExpirationTime": null,
  "geoRegion": "West Europe",
  "hostingEnvironmentProfile": null,
  "hyperV": false,
  "id": "/subscriptions/dbb5cdc8-e003-4be3-a43a-8929d4246b2c/resourceGroups/nwResourceGroup/providers/Microsoft.Web/server-farms/nwppServiceApp",
  "isSpot": false,
  "isXenon": false,
  "kind": "app",
  "location": "West Europe",
  "maximumElasticWorkerCount": 1,
  "maximumNumberOfWorkers": 1,
  "name": "nwppServiceApp",
  "numberOfSites": 0,
  "perSiteScaling": false,
  "provisioningState": "Succeeded",
  "reserved": false,
  "resourceGroup": "nwResourceGroup",
  "sku": {
    "capabilities": null,
    "capacity": 0,
    "family": "F",
    "locations": null,
    "name": "F1",
    "size": "F1",
    "skuCapacity": null,

```

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11:48 AM
3/31/2020

My Dashboard - Microsoft Azure

portal.azure.com/#@40c1c95f-8c21-4368-baee-47c2d0f56314/dashboard/private/671544d3-37e3-49ec-ae74-9b2ef6e5e010

Microsoft Azure

Search resources, services, and docs (G+)

Bash

```
philo@Azure:~$ az webapp create --name nwapp --resource-group nwResourceGroup --plan nwAppServicePlan
```

```
{
  "availabilityState": "Normal",
  "clientAffinityEnabled": true,
  "clientCertEnabled": false,
  "clientCertExclusionPaths": null,
  "cloningInfo": null,
  "containerSize": 0,
  "dailyMemoryTimeQuota": 0,
  "defaultHostName": "nwapp.azurewebsites.net",
  "enabled": true,
  "enabledHostNames": [
    "nwapp.azurewebsites.net",
    "nwapp.scm.azurewebsites.net"
  ],
  "ftpPublishingUrl": "ftp://waws-prod-am2-293.ftp.azurewebsites.windows.net/site/wwwroot",
  "hostNameSslStates": [
    {
      "hostType": "Standard",
      "ipBasedSslResult": null,
      "ipBasedSslState": "NotConfigured",
      "name": "nwapp.azurewebsites.net",
      "sslState": "Disabled",
      "thumbprint": null,
      "toUpdate": null,
      "toUpdateIpBasedSsl": null,
      "virtualIp": null

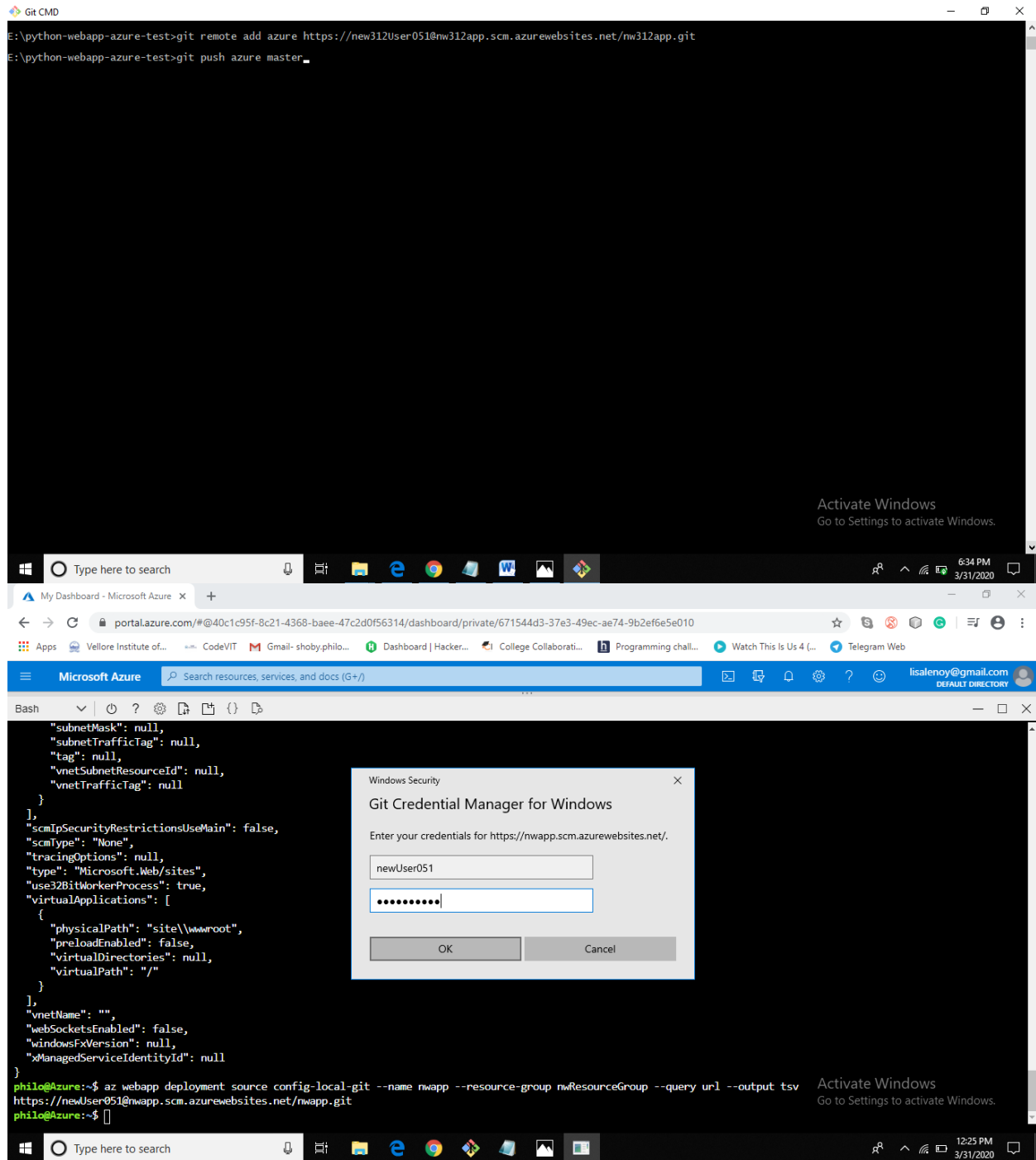
```

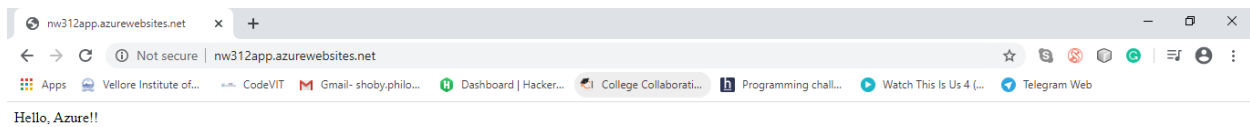
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12:23 PM
3/31/2020

```
philo@Azure:~$ az webapp config set --python-version 3.8 --name nwapp --resource-group nwResourceGroup
{
  "alwaysOn": false,
  "apiDefinition": null,
  "apiManagementConfig": null,
  "appCommandLine": "",
  "appSettings": null,
  "autoHealEnabled": false,
  "autoHealRules": null,
  "autoSwapSlotName": null,
  "connectionStrings": null,
  "cors": null,
  "defaultDocuments": [
    "Default.htm",
    "Default.html",
    "Default.asp",
    "index.htm",
    "index.html",
    "iisstart.htm",
    "default.aspx",
    "index.php",
    "hostingstart.html"
  ],
  "detailedErrorLoggingEnabled": false,
  "documentRoot": null,
  "experiments": {
    "rampUpRules": []
  }
}

philo@Azure:~$ az webapp deployment source config-local-git --name nwapp --resource-group nwResourceGroup --query url --output tsv
https://newUser051@nwapp.scm.azurewebsites.net/nwapp.git
philo@Azure:~$
```





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