



Demo: Creating a Web App from Azure Command Line Interface

Author: Saurav Raghuvanshi

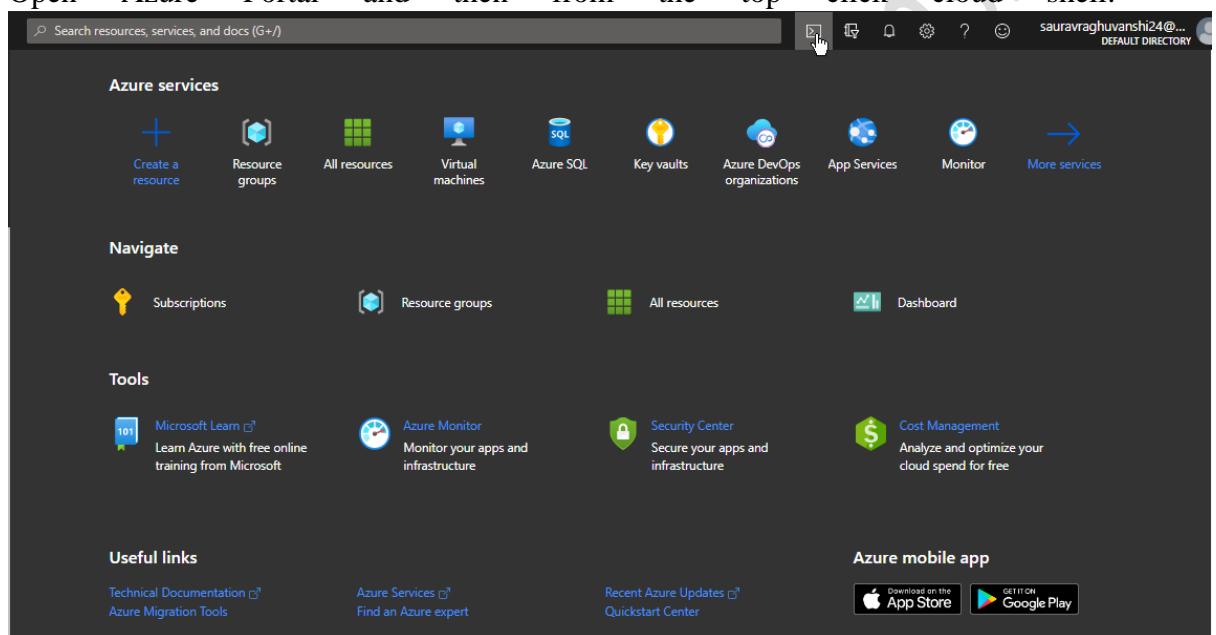
Aim: Creating a Web App from Azure Command Line Interface

Some Useful Link:

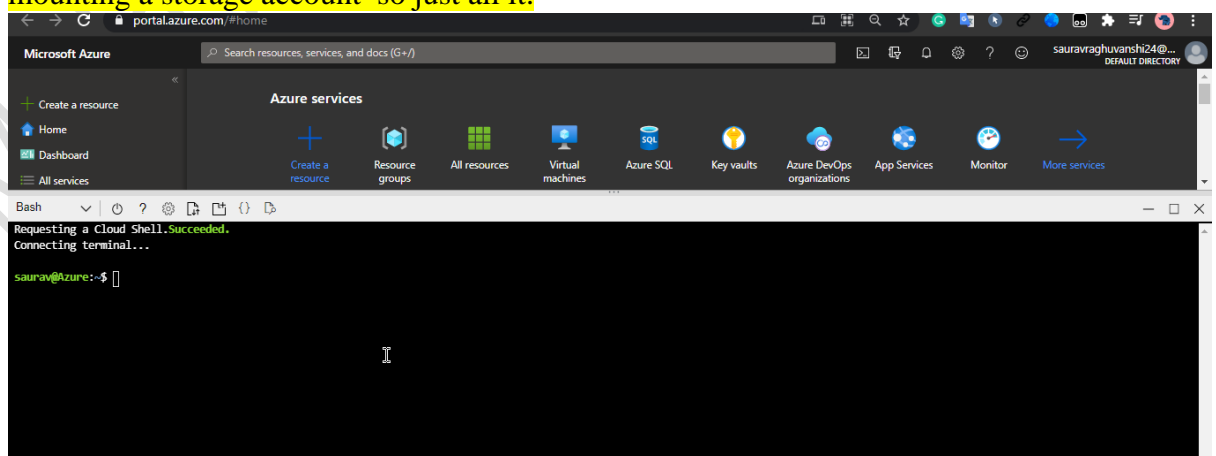
- Azure free Tier account creation: <https://azure.microsoft.com/en-us/free/>
- Azure Portal: <https://portal.azure.com/#home>
- Service Categories: <https://azure.microsoft.com/services/>
- Designing a Solution: <https://docs.microsoft.com/azure/architecture/>

Instructions:

1. Open Azure Portal and then from the top click cloud shell:



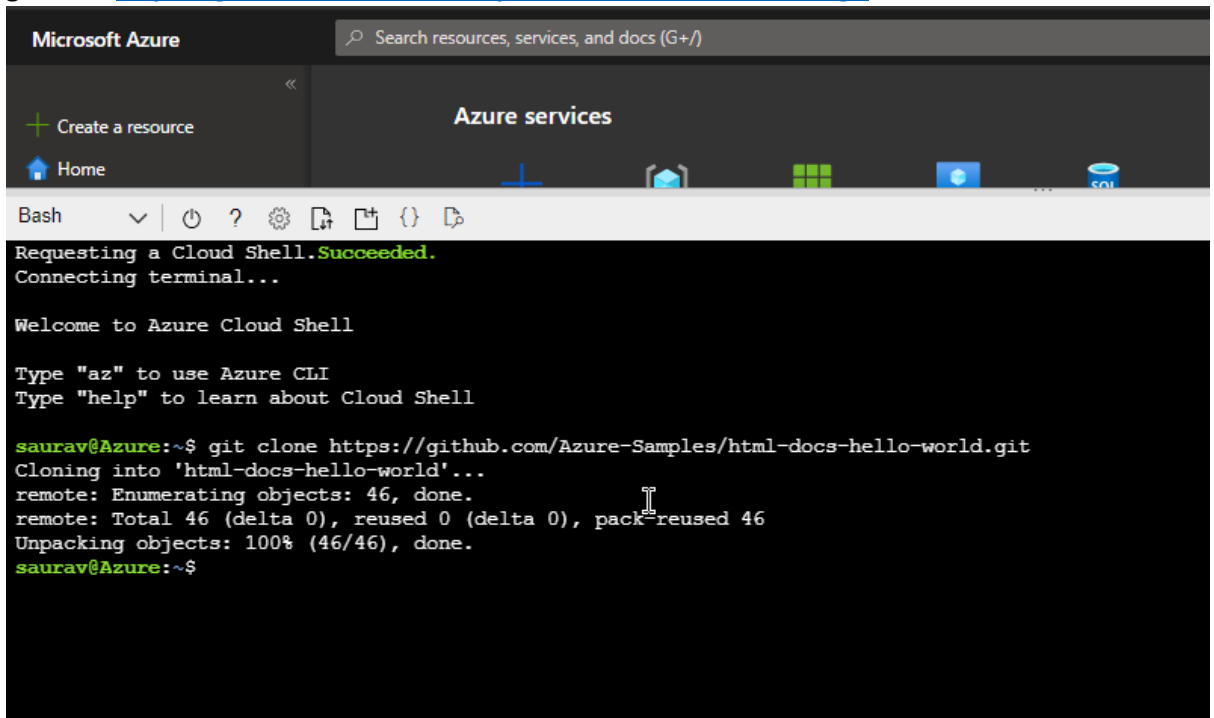
2. It will open the bash shell for you where you can able to run your CLI command.
Note: If you are opening Cloud Shell for the first time it will ask you permission for mounting a storage account so just all it.



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3. Now run the below command to clone the simple App repository

git clone <https://github.com/Azure-Samples/html-docs-hello-world.git>



```
Microsoft Azure
Search resources, services, and docs (G+/)

+ Create a resource
Home

Azure services

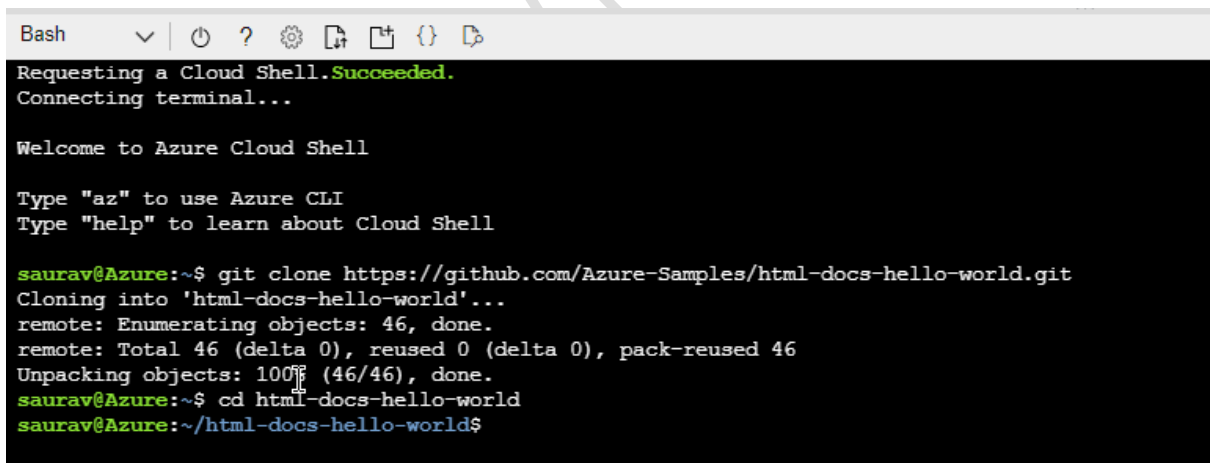
Bash
Requesting a Cloud Shell.Succeeded.
Connecting terminal...

Welcome to Azure Cloud Shell

Type "az" to use Azure CLI
Type "help" to learn about Cloud Shell

saurav@Azure:~$ git clone https://github.com/Azure-Samples/html-docs-hello-world.git
Cloning into 'html-docs-hello-world'...
remote: Enumerating objects: 46, done.
remote: Total 46 (delta 0), reused 0 (delta 0), pack-reused 46
Unpacking objects: 100% (46/46), done.
saurav@Azure:~$
```

4. Go to that directory from cd command
cd html-docs-hello-world



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

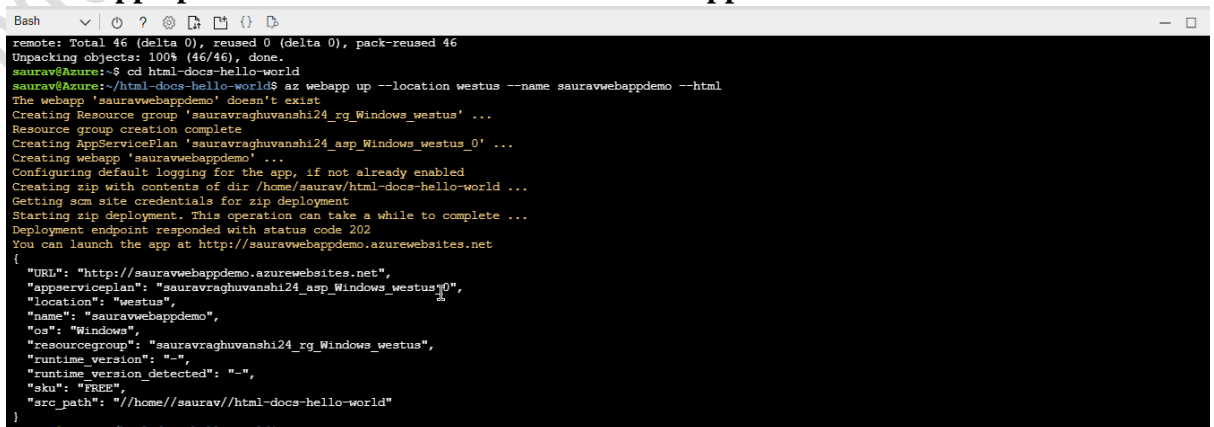
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remote: Enumerating objects: 46, done.
remote: Total 46 (delta 0), reused 0 (delta 0), pack-reused 46
Unpacking objects: 100% (46/46), done.
saurav@Azure:~$ cd html-docs-hello-world
saurav@Azure:~/html-docs-hello-world$
```

5. Create a web App from just below one command:

az webapp up --location westus --name sauravwebappdemo --html

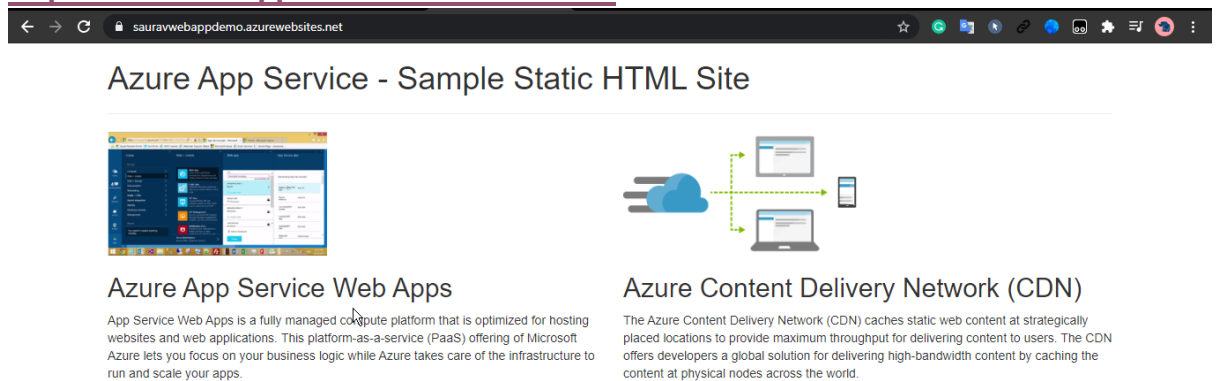


```
Bash
remote: Total 46 (delta 0), reused 0 (delta 0), pack-reused 46
Unpacking objects: 100% (46/46), done.
saurav@Azure:~$ cd html-docs-hello-world
saurav@Azure:~/html-docs-hello-world$ az webapp up --location westus --name sauravwebappdemo --html
The webapp 'sauravwebappdemo' doesn't exist
Creating Resource group 'sauravraghuvanshi24_rg_Windows_westus' ...
Resource group creation complete
Creating AppServicePlan 'sauravraghuvanshi24_asp_Windows_westus_0' ...
Creating webapp 'sauravwebappdemo' ...
Configuring default logging for the app, if not already enabled
Creating zip with contents of dir /home/saurav/html-docs-hello-world ...
Getting scm site credentials for zip deployment
Starting zip deployment. This operation can take a while to complete ...
Deployment endpoint responded with status code 202
You can launch the app at http://sauravwebappdemo.azurewebsites.net
{
  "URL": "http://sauravwebappdemo.azurewebsites.net",
  "appserviceplan": "sauravraghuvanshi24_asp_Windows_westus_0",
  "location": "westus",
  "name": "sauravwebappdemo",
  "os": "Windows",
  "resourcegroup": "sauravraghuvanshi24_rg_Windows_westus",
  "runtime_version": "-",
  "runtime_version_detected": "-",
  "sku": "FREE",
  "src_path": "/home/saurav/html-docs-hello-world"
}
saurav@Azure:~/html-docs-hello-world$
```

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6. Let's check whether web app is up and running or not from below url

<http://sauravwebappdemo.azurewebsites.net>



Azure App Service - Sample Static HTML Site

Azure App Service Web Apps

App Service Web Apps is a fully managed compute platform that is optimized for hosting websites and web applications. This platform-as-a-service (PaaS) offering of Microsoft Azure lets you focus on your business logic while Azure takes care of the infrastructure to run and scale your apps.

Azure Content Delivery Network (CDN)

The Azure Content Delivery Network (CDN) caches static web content at strategically placed locations to provide maximum throughput for delivering content to users. The CDN offers developers a global solution for delivering high-bandwidth content by caching the content at physical nodes across the world.

7. As you can see the Web App is up and running. Now we have to delete the app so that we don't get cost any more. Use the below command to do that
- az group delete --name [resource_group_name]**

```
Bash
saurav@Azure:~$ cd html-docs-hello-world
saurav@Azure:~/html-docs-hello-world$ az webapp up --location westus --name sauravwebappdemo --html
The webapp 'sauravwebappdemo' doesn't exist
Creating Resource group 'sauravraghuvanshi24_rg_Windows_westus' ...
Resource group creation complete
Creating AppServicePlan 'sauravraghuvanshi24_asp_Windows_westus_0' ...
Creating webapp 'sauravwebappdemo' ...
Configuring default logging for the app, if not already enabled
Creating zip with contents of dir /home/saurav/html-docs-hello-world ...
Getting scm site credentials for zip deployment
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You can launch the app at http://sauravwebappdemo.azurewebsites.net
{
  "URL": "http://sauravwebappdemo.azurewebsites.net",
  "appserviceplan": "sauravraghuvanshi24_asp_Windows_westus_0",
  "location": "westus",
  "name": "sauravwebappdemo",
  "os": "Windows",
  "resourcegroup": "sauravraghuvanshi24_rg_Windows_westus",
  "runtime_version": "-",
  "runtime_version_detected": "-",
  "sku": "FREE",
  "src_path": "//home//saurav//html-docs-hello-world"
}
saurav@Azure:~/html-docs-hello-world$ az group delete --name sauravraghuvanshi24_rg_Windows_westus
Are you sure you want to perform this operation? (y/n): y
Running ..
```

Congrats we created the Web App from just few CLI command and deleted it.