contains a Flask app. For more information, see Container startup process and customizations.

In a terminal window, use the commands below (as appropriate for your operating

system) to install the required dependencies and launch the built-in development

Bash python3 -m venv venv

PowerShell

Cmd

Run the sample

server.

Bash

source venv/bin/activate pip install -r requirements.txt export FLASK_APP=application.py flask run

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```
Open a web browser, and go to the sample app at http://localhost:5000/. The
app displays the message Hello World!.
 C
                                                              â ô
                                 localhost
Hello, World!
```

The Azure CLI provides you with many convenient commands that you use from a

local terminal to provision and manage Azure resources from the command line.

You can use commands to complete the same tasks that you would through the

Azure portal in a browser. You can also use CLI commands in scripts to automate

To run Azure commands in the Azure CLI, you must first sign in using the az

login command. This command opens a browser to gather your credentials.

In your terminal window, press **Ctrl+C** to exit the web server.

Deploy the sample

Sign in to Azure

management processes.

Azure CLI

az login

your code.

⊗ Caution

version command.

Copy Azure CLI az webapp up --sku F1 -n <app-name>

The <u>az webapp up</u> command creates the web app on App Service and deploys

In the python-docs-hello-world folder that contains the sample code, run the

app name (valid characters are a-z, 0-9, and -).

following az webapp up command. Replace <app-name> with a globally unique

If you are using Azure-CLI version 2.5.0 there is a regression in az webapp up where certain scenarios will fail if the -l <location-name> parameter is not included. This issue being tracked here. You can check what version of the Azure-CLI you are using with the az --

```
The --sku F1 argument creates the web app on the Free pricing tier. You can
omit this argument to use a premium tier instead, which incurs an hourly cost.
You can optionally include the argument -l <location-name> where
<location_name> is an Azure region such as centralus, eastasia, westeurope,
koreasouth, brazilsouth, centralindia, and so on. You can retrieve a list of
allowable regions for your Azure account by running the az account list-locations
command.
The az webapp up command may take a few minutes to completely run. While
running, it displays information similar to the following example, where <app-
name> will be the name you provided earlier:
```

Creating Resource group 'appsvc_rg_Linux_centralus' ...

Getting scm site credentials for zip deployment

Deployment endpoint responded with status code 202

"src_path": "D:\\Examples\\python-docs-hello-world"

The az webapp up command does the following actions:

Creating App service plan 'appsvc_asp_Linux_centralus' ...

Configuring default logging for the app, if not already enabled

You can launch the app at http://<app-name>.azurewebsites.net

Creating zip with contents of dir D:\Examples\python-docs-hello-worl

Starting zip deployment. This operation can take a while to complete

Resource group creation complete

Creating app '<app-name>'

App service plan creation complete

"runtime_version": "python|3.7", "runtime_version_detected": "-",

"sku": "FREE",

① Note

"URL": "http://<app-name>.net", "appserviceplan": "appsvc_asp_Linux_centralus", "location": "eastus", "name": "<app-name>", "os": "Linux", "resourcegroup": "appsvc_rg_Linux_centralus",

```
• Create a default <u>resource group</u>.
     • Create a default <u>app service plan</u>.
     • Create an app with the specified name.
     • Zip deploy files from the current working directory to the app.
Browse to the app
Browse to the deployed application in your web browser at the URL http://<app-
name>.azurewebsites.net.
The Python sample code is running a Linux container in App Service using a built-
in image.
                                                                   0 0 0
  <  > <  > <  > 
                                python0508.azurewebsites.net
 Hello, World!
```

Congratulations! You've deployed your Python app to App Service on Linux.

In your favorite code editor, open application.py and update the hello function as

follows. This change adds a print statement to generate logging output that you

print("Handling request to home page.")

Redeploy the app using the az webapp up command again:

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This command uses values that are cached in the .azure/config file, including the app name, resource group, and App Service plan.

Once deployment has completed, switch back to the browser window open to

http://<app-name>.azurewebsites.net and refresh the page, which should

python0508.azurewebsites.net

Hello, Azure!

display the modified message:

Redeploy updates

work with in the next section.

return "Hello Azure!"

Save your changes and exit the editor.

Python

Azure CLI

az webapp up

∏ Tip

Azure CLI

30 seconds.

az webapp log tail

Visual Studio Code.

To stream logs, run the following command:

def hello():

Stream logs

You can access the console logs generated from inside the app and the container

in which it runs. Logs include any output generated using print statements.

Refresh the app in the browser to generate console logs, which should include

2020-04-03T22:54:04.236405938Z Handling request to home page.

You can also inspect the log files from the browser at https://<app-

name>.scm.azurewebsites.net/api/logs/docker.

To stop log streaming at any time, type Ctrl + C.

lines similar to the following text. If you don't see output immediately, try again in

2020-04-03T22:54:04.236497641Z 172.16.0.1 - - [03/Apr/2020:22:54:04

Visual Studio Code provides powerful extensions for Python and Azure App

Service. For more information, see **Deploy Python apps to App Service from**

Service, which simplify the process of deploying Python web apps to App

Manage the Azure app Go to the <u>Azure portal</u> to manage the app you created. Search for and select **App**

Services.

App Services

🞶 Service Health

App Service Certificates

App Service Domains

App Service plans

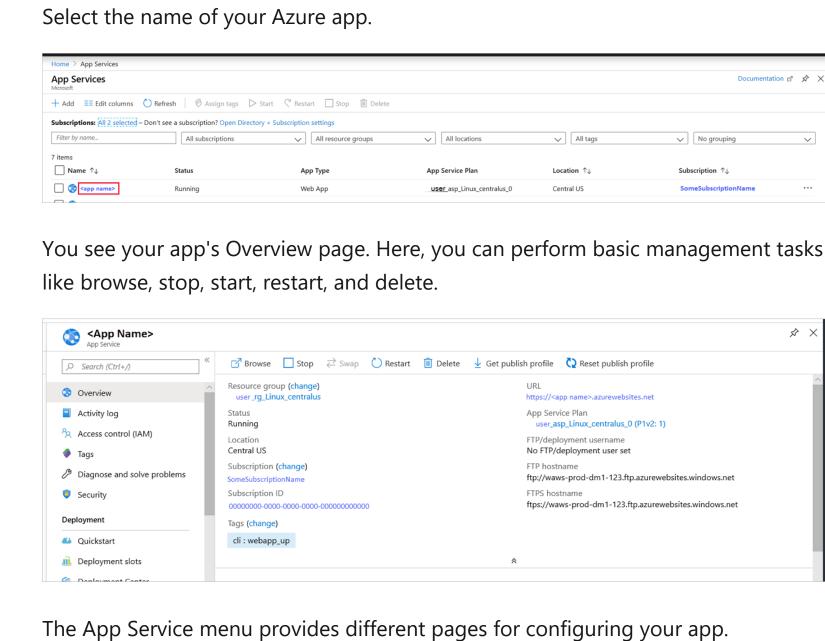
퀐 Lab Services

Media services

Bot Services

App Service Environments

Services All 58 results App Services Function App



location. If you use an App Service SKU other than the free F1 tier, these resources incur ongoing costs (see App Service pricing). If you don't expect to need these resources in the future, delete the resource group by running the following command, replacing <resource-group-name> with the

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resource group shown in the output of the az webapp up command, such as

"appsvc_rg_Linux_centralus". The command may take a minute to complete.

resource group has a name like "appsvc_rg_Linux_CentralUS" depending on your

In the preceding steps, you created Azure resources in a resource group. The

az group delete -n <resource-group-name>

Clean up resources

Next steps Tutorial: Python (Django) web app with PostgreSQL Add user sign-in to a Python web app

Tutorial: Run Python app in custom container **Feedback**

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Configure Python app

Azure CLI

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