**Install Python**

1. Connect to your VM by using your SSH client. For instructions, see [Connect via SSH with PuTTy](https://learn.microsoft.com/en-us/azure-stack/user/azure-stack-dev-start-howto-ssh-public-key?view=azs-2406#connect-with-ssh-by-using-putty).
2. At your bash prompt on your VM, enter the following command:

BashCopy

sudo apt-get update

sudo apt-get -y install python3 python3-dev

sudo apt install python3-pip

1. Validate your installation. While you're still connected to your VM in your SSH session, enter the following command to open Python and note the version number. Then type quit() to exit the Python REPL.

BashCopy

python3

quit()

1. [Install Nginx](https://www.nginx.com/resources/wiki/), a lightweight web server. While you're still connected to your VM in your SSH session, enter the following command:

BashCopy

sudo apt-get -y install nginx

1. [Install Git](https://git-scm.com/), a widely distributed version control and source code management (SCM) system. While you're still connected to your VM in your SSH session, enter the following command:

BashCopy

sudo apt-get -y install git

**Deploy and run the app**

1. Set up your Git repository on the VM. While you're still connected to your VM in your SSH session, enter the following commands:

BashCopy

git clone https://github.com/Azure-Samples/azure-stack-hub-flask-hello-world.git

cd azure-stack-hub-flask-hello-world

1. While you're still connected to your VM in your SSH session, enter the following commands to install the dependencies. Install Flask using apt, and then pip to load the modules from requirements.txt.

BashCopy

sudo apt install python3-flask

pip3 install -r requirements.txt

export FLASK\_APP=application.py

flask run -h 0.0.0.0

1. Go to your new server. You should see your running web application.

HTTPCopy

<yourmachine>.<local>.cloudapp.azurestack.contoso.com:5000

**Update your server**

1. Connect to your VM in your SSH session. Stop the server by typing Ctrl+C.
2. Enter the following commands:

BashCopy

cd azure-stack-hub-flask-hello-world

git pull

1. Activate the virtual environment and start the app:

BashCopy

export FLASK\_APP=application.py

flask run -h 0.0.0.0