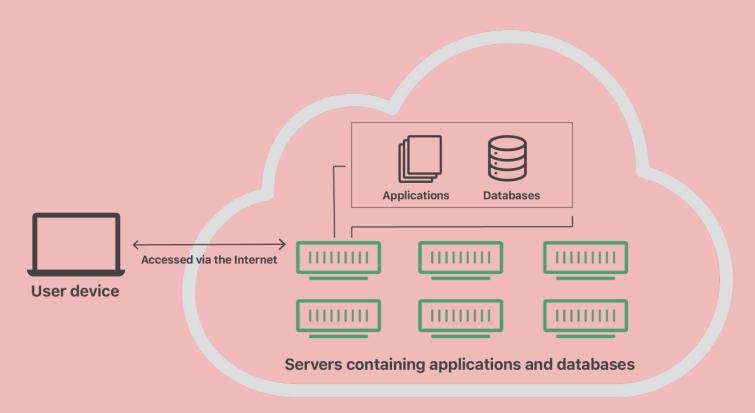
Cloud Deployment

By Samantha Adorno



What is the Cloud?

The cloud is a network of remote servers that store, manage, and process data instead of local computers. It enables on-demand access to computing resources such as storage, databases, and virtual machines over the internet.



The Cloud

Why is it useful?





Accessibility







of the Fortune 500 use Microsoft Cloud





























































Build in the cloud free with Azure for Students

Use your university or school email to sign up and renew each year you're a student

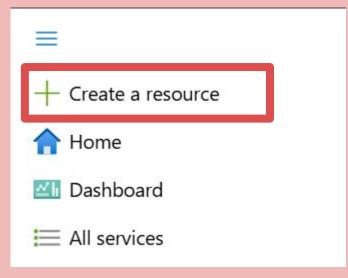
Start free

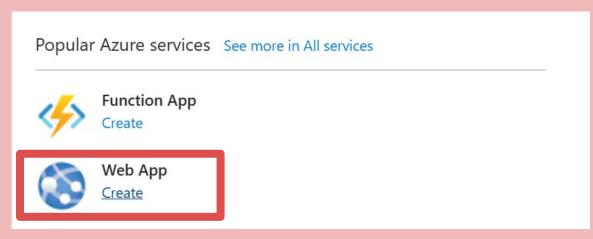
Learn about eligibility

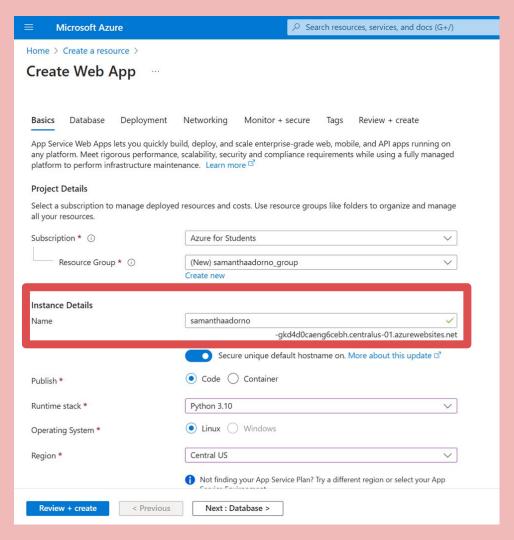
Start with \$100 Azure credit No credit card required



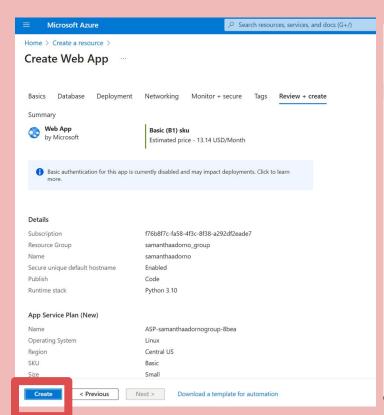
- administration.
 Web Application Hosting: Can host web apps without managing infrastructure
- Al & Machine Learning: It has tools for computer vision, speech recognition, chatbot development etc
- <u>Databases</u>: Can create and manage databases to support web or mobile applications

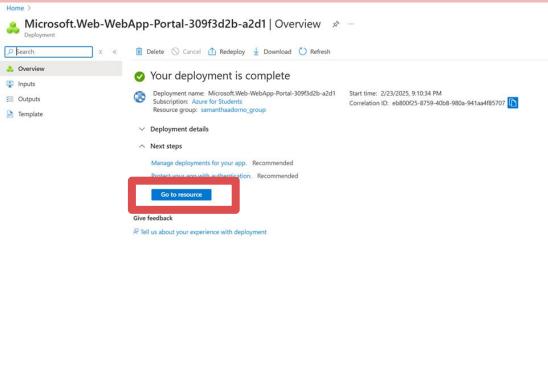


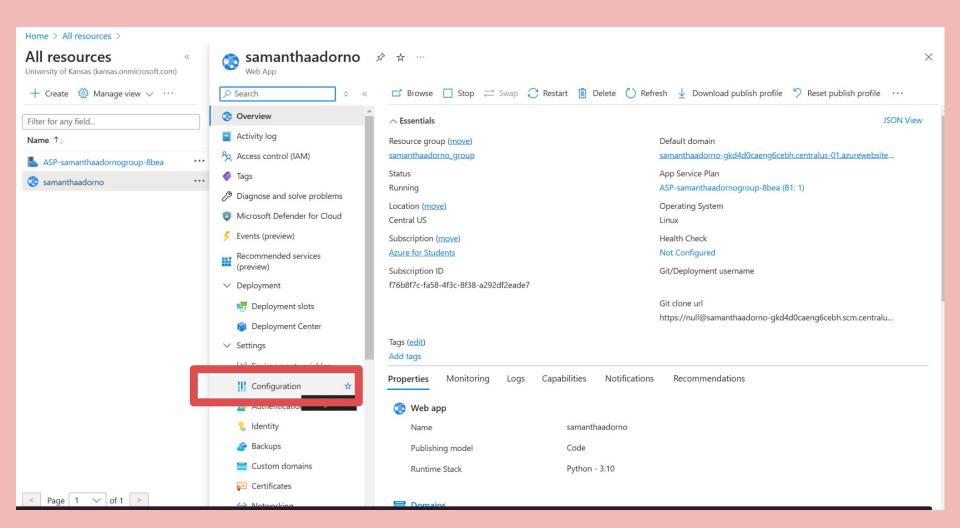




Create new	
Basic B1 (100 total ACU, 1.75 GB memory, 1 vCPU)	~
Explore pricing plans	
	ed as a zone redundant service in the regions that support it. This is a an App Service plan zone redundant after it has been deployed Learn Enabled: Your App Service plan and the apps in it will be redundant. The minimum App Service plan instance cour Disabled: Your App Service Plan and the apps in it will ne redundant. The minimum App Service plan instance cour







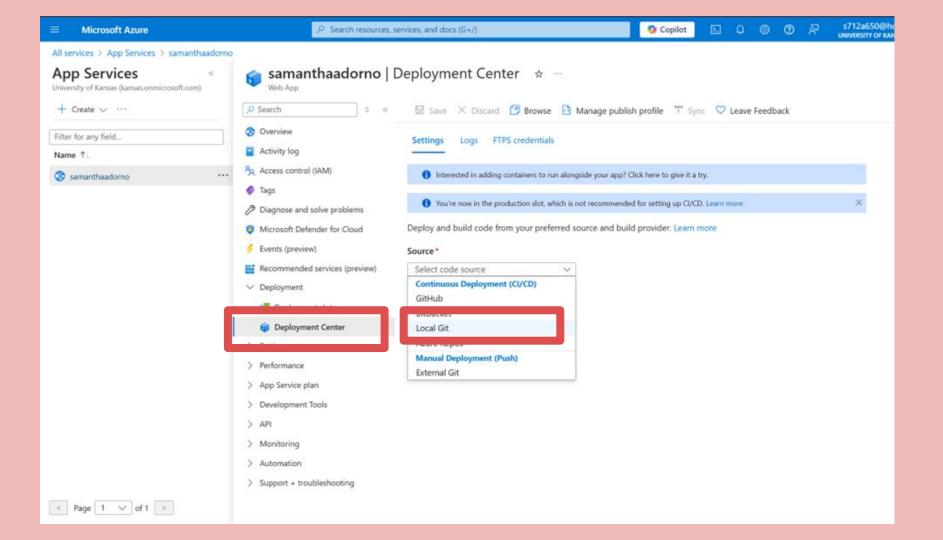
Platform settings

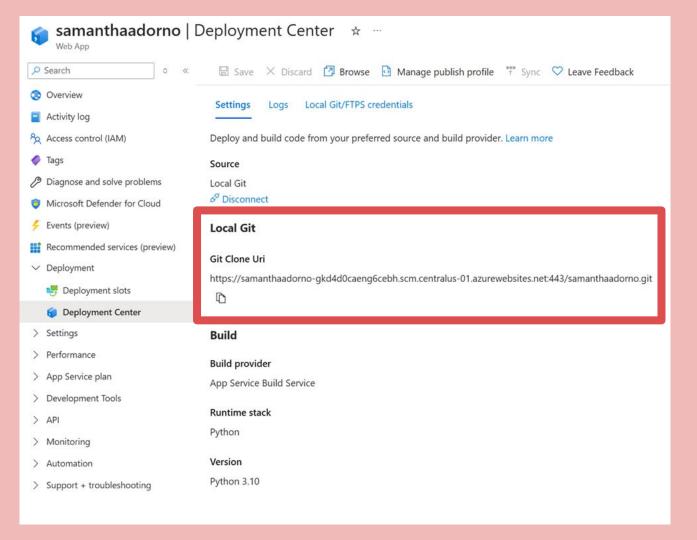
SCM Basic Auth Publishing Credentials

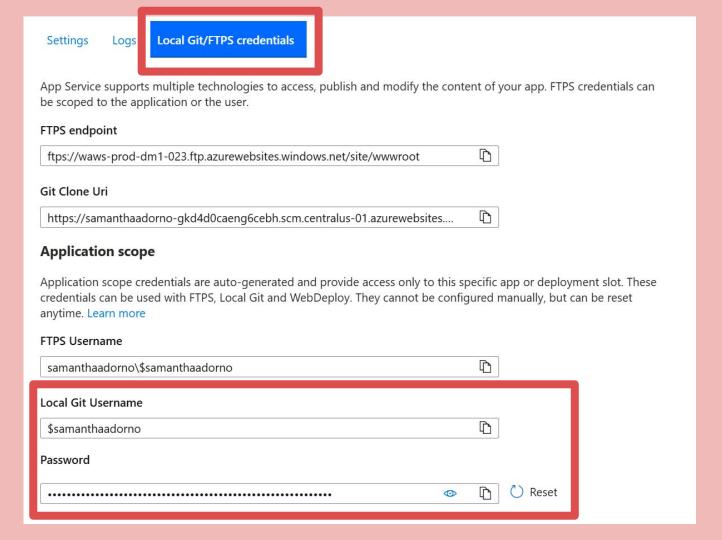
On Off

FTP Basic Auth Publishing Credentials

- On Off
- 1 Disable basic authentication for FTP and SCM access. Learn more









mkdir flask-azure
cd flask-azure

python -m venv env
source env/Scripts/activate

python3 -m venv env
source env/bin/activate

For Windows

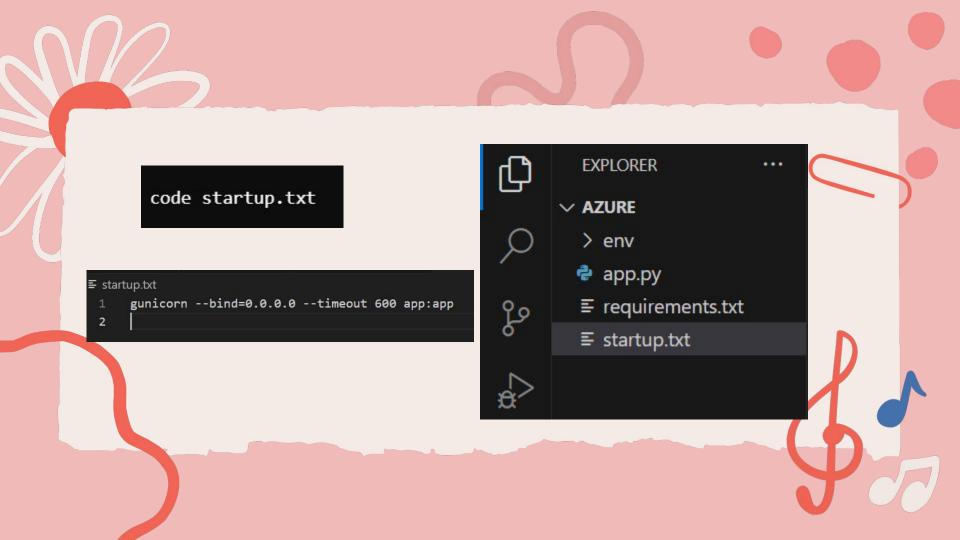
For Mac



```
app.py > ...
                                            from flask import Flask
                                            app = Flask(__name__)
pip install Flask gunicorn
                                            @app.route('/')
                                            def home():
                                                return "Hello Azure!"
code app.py
                                            if __name__ == '__main__':
                                                app.run(debug=True)
                                       10
```







```
git init
git add .
git commit -m "Initial deployment"
git remote add azure <your_azure_git_url>
```

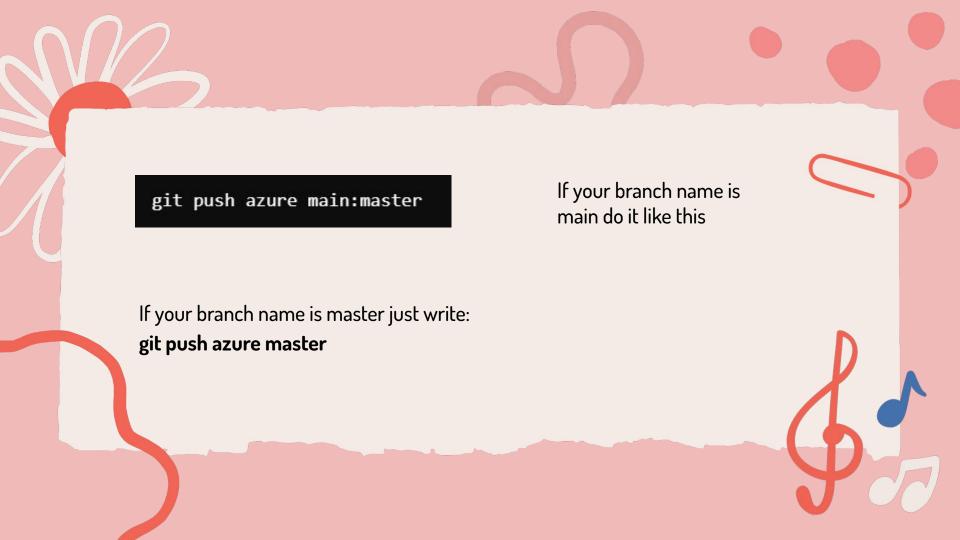
Local Git

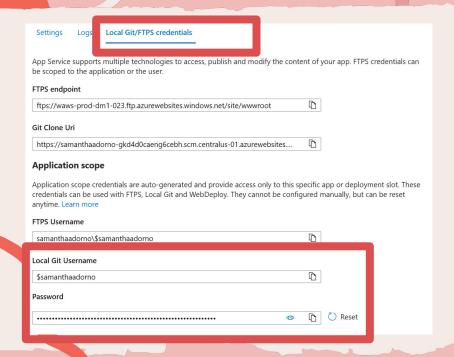
Git Clone Uri

https://samanthaadorno-gkd4d0 caeng6 cebh.scm.centralus-01.azurewebsites.net: 443/samanthaadorno.git to the samanthaadorno centralus of the samanthaadorno c

0

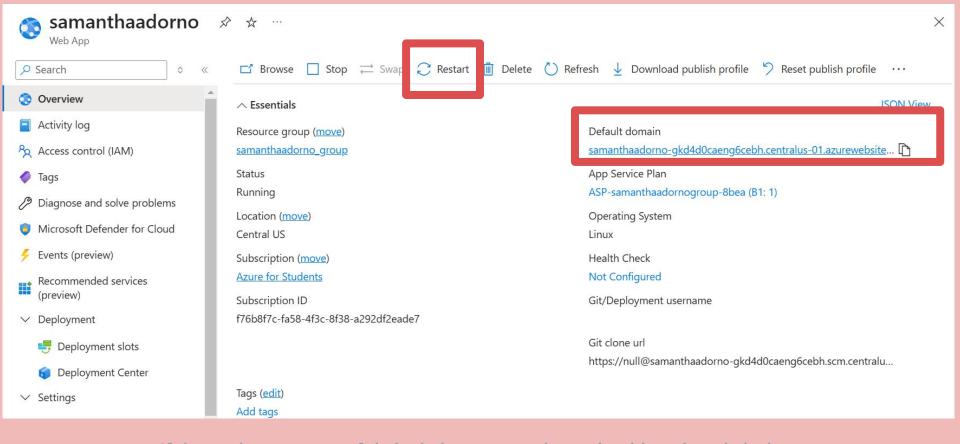
Here we put the uri that appeared in Deployment Center



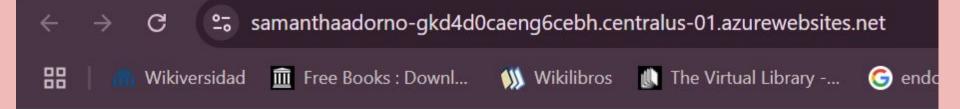


Your credentials are in the Deployment Center. It is your Local Git Username and Password.





- If the push was successful, the link to your website should work and it's the one in Default Domain.
- If its not loading press Restart



Hello, Azure!

It got deployed!





Resources

- https://github.com/bregman-arie/devops-resources
- https://learn.microsoft.com/en-us/training/azure/
- https://www.youtube.com/watch?v=s2ofWBqU3Kc
- https://aws.amazon.com/training/learn-about/generative-ai/?la=sec&s ec=solution
- https://www.youtube.com/watch?v=AmP11EgEM4g How to pronounce Azure

