

LAB EXPERIMENTS

CSA1517

**CLOUD COMPUTING AND BIG
DATA ANALYTICS FOR HADOOP
APPLICATIONS**

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EXP NO 22: CREATE A SIMPLE WEB APPLICATION USING PYTHON AND HOST IT IN MICROSOFT AZURE TO DEMONSTRATE PLATFORM AS A SERVICE (PaaS).

AIM:

To create a simple web application using Python and host it in Microsoft Azure to demonstrate Platform as a Service (PaaS).

PROCEDURE:

1. Develop a basic Python web application using a lightweight web framework like Flask on your local system.
2. Prepare the necessary deployment files such as a startup command and a requirements list for dependencies.
3. Compress the application files into a .zip archive for easy deployment.
4. Log in to the Azure Portal using your Microsoft account.
5. Create a new App Service by selecting "Create a Resource" and choosing "App Service" from the available options.
6. Configure the App Service by providing details such as resource group name, unique app name, runtime stack (Python), and region.
7. Complete the creation process and wait for Azure to deploy the App Service.
8. Access the newly created App Service and navigate to the Deployment Center.
9. Select Local Git as the deployment method and generate the Git deployment URL.
10. Push your application files to the Azure App Service using Git from your local machine.
11. After successful deployment, open the App Service URL to verify that the web application is running.

OUTPUT:

Your web app is running and waiting for your content

Your web app is live, but we don't have your content yet. If you've already deployed, it could take up to 5 minutes for your content to show up, so come back soon.



 Built with Python

Haven't deployed yet?
Use the deployment center to publish code or set up continuous deployment.

Starting a new web site?
Follow our Quickstart guide to get a web app ready quickly.

[Deployment center](#)

[Quickstart](#)

RESULT:

A Python web application was successfully created and hosted on Microsoft Azure using App Service, demonstrating the concept of Platform as a Service (PaaS).