

DEVOPS with MULTI-CLOUD

Practice Tasks

Institute Name : V Cube software solutions
Course : DevOps with Multi-Cloud
Batch : 30
Trainer : Krishna reddy sir

Prepared by : G.Bhavish
(MCD-AZ30-024)

TASK-14 : Front Door.

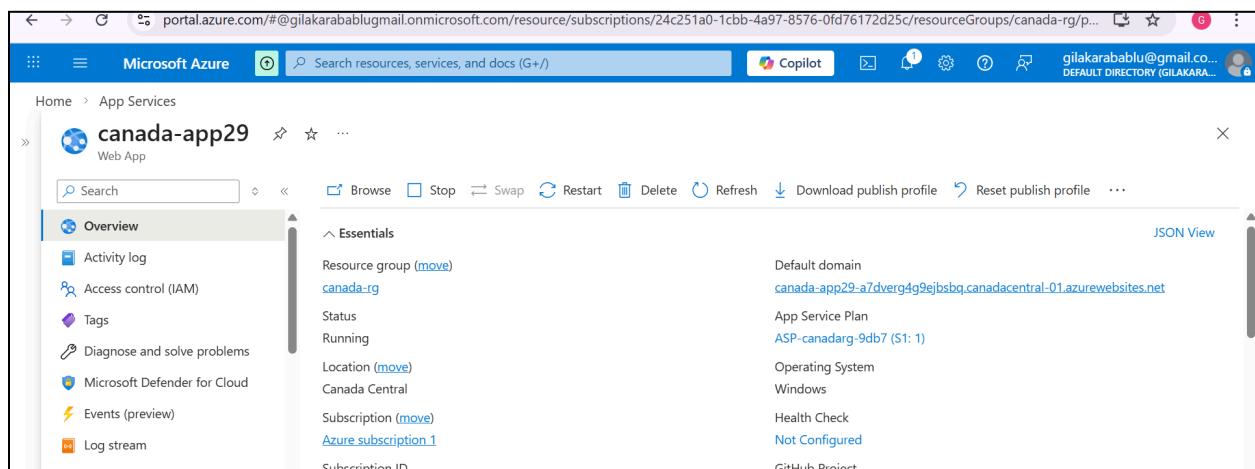
Date : 05/02/26

Objective :-

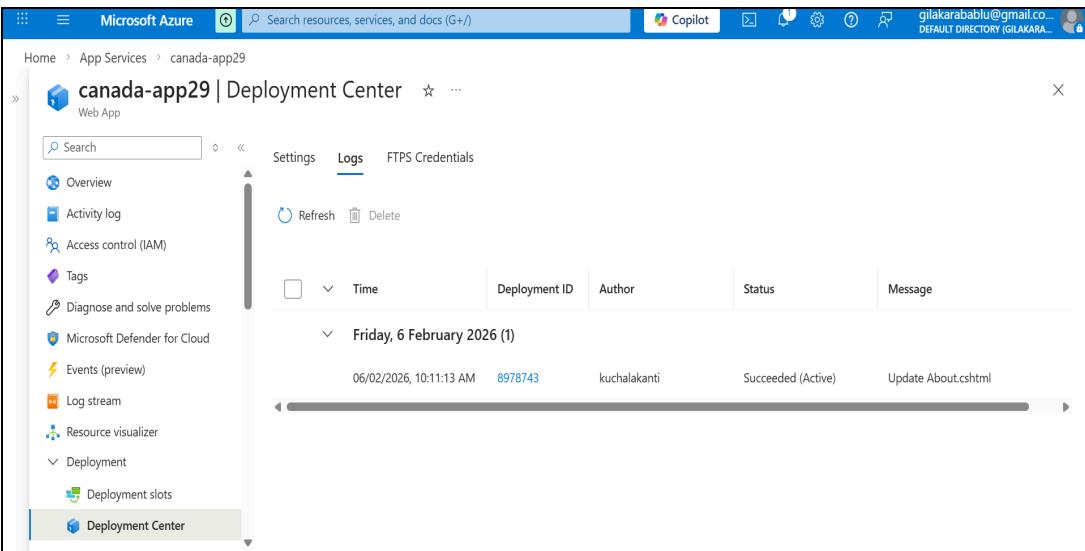
To provide global, high-performance, and secure HTTP/HTTPS load balancing for applications by routing user traffic to the nearest and healthiest backend endpoint.

Front Door :-

- The Azure Front Door is a global load balancer. And it lies in the OSI layer 7(application).
- The front door is a PaaS model & supports the waf.
- it can route the traffic using url and even distribute the traffic using weightage.
- it supports http & https based applications.
- It improves application speed and reliability using Microsoft's global edge network.

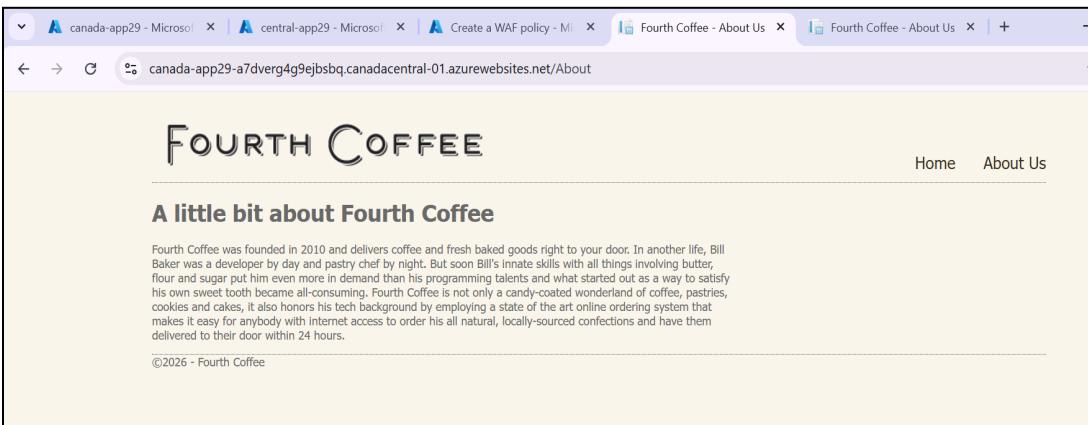


fig(1) successfully created a webapp.



fig(2) deployed the code in the webapp

→ Now if we browse the webapp domain name we get the bakery template page.



fig(3) the bakery coffee page.

→ Now lets create another webapp and also deploy the code with some changes in it.

central-app29 | Overview

Resource group (move)
central-rg

Status
Running

Location (move)
Central US

Subscription (move)
Azure subscription 1

Subscription ID
24c251a0-1ccb-4a97-8576-0fd76172d25c

Tags (edit)
Add tags

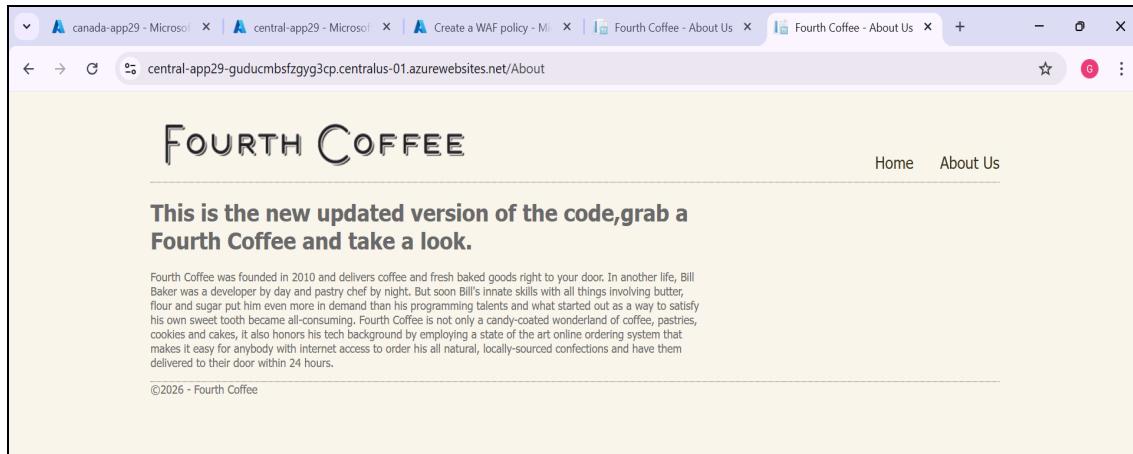
fig(4) created another webapp .

central-app29 | Deployment Center

Logs

Time	Deployment ID	Author	Status	Message
Friday, 6 February 2026 (1)	bab239c	Gilakarabhavish	Succeeded (Active)	Update About.cshtml

fig(5) deployed the code in the web app.



fig(6) the output when we browse the web app2.

- Now let's create an azure front door and add these two webapps in the backend that are the endpoints of the front door.
- and also configure the route rules in the front door.
- give the path of the webapps to the front door since it also routes traffic based on the url path.

The screenshot shows the Azure portal interface for managing an Azure Front Door (azfd01). Key details visible include:

- Resource Group:** canada-RG
- Status:** Active
- Location:** Global
- Subscription:** KrishnaReddy-DEV-ENV
- Front Door ID:** d3dad057-aa3b-47a7-8519-5450af636395
- Origin response timeout:** 60 Seconds
- Endpoints:** candaep-ccf9fcecabhvaacc.203.azurefd.net (Provision succeeded, Enabled)
- Security policy:** defaultpolicy-4d12f120 (Provision succeeded)
- Routes:** candaep-ccf9fcecabhvaacc.203.azurefd.net (Load the endpoint routes checked)

Update origin group

Name: default-origin-group

Origins

Origin host name	Status	Priority	Weight
canadaapp9234.azurewebsites.net	Enabled	1	1000
centralappw34.azurewebsites.net	Enabled	1	1000

Session affinity Enable session affinity

Health probes

If enabled, Front Door will send periodic requests to each of your origins to determine their proximity and health for load balancing purposes.

Status	Path	Protocol
<input checked="" type="checkbox"/> Enable health probes	/	HTTP

Update **Cancel** **Close**

→ now let's create the web application firewall so that it controls the traffic similar to the nsg.

→ here instead of rules we write the policies if the policies are matched then the waf allows the traffic.

defaultpolicy Front Door WAF policy

Essentials

- Resource group (...): canada-RG
- Status: Enabled
- Policy mode: Detection
- Subscription (move): KrishnaReddy-DEV-ENV
- Subscription ID: adfed678-4682-4bb0-a62f-2ebd77f373fd
- Tags (edit): Add tags

Policy settings
Configure multiple settings that apply to all rules within the policy.

Managed rules
Configure Azure managed rule sets that protect your web application from common threats.

Custom rules
Author custom rules to protect your web application from specifically identified threats.

Associations
Associate a WAF policy with one or more domains hosted on Front Door.