Microsoft Azure Architect Design: AZ-301

Project :

**Business Scenario**

The Tyrell Crop wants to build a highly secured Globally distributed application. This application serves two types of content: images and dynamically rendered webpages. As their user base comes from across the globe this must be geographically redundant. The design demands that it should serve its users from the closest (lowest latency) location to them. For distinction, Tyrell Crop has decided that any URLs that match the pattern /images/\* are served from a dedicated pool of VMs that are different from the rest of the web farm.

Design the Load Balancing architecture for Tyrell Crop.

For this sample do it in East US region, then you can select any other region and add those Application gateways on created Traffic manager.

**Overview**

The main tasks for this exercise are as follows:

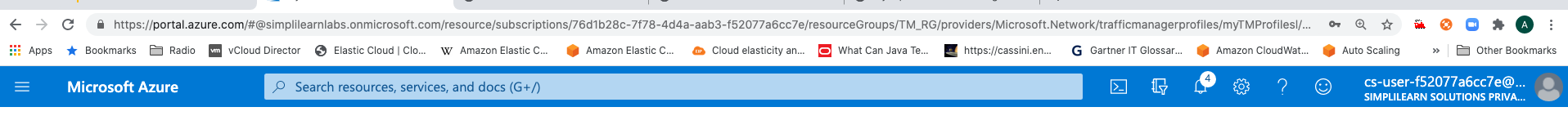
1. Login to Azure Portal  
2. Provision Application gateway  
3. Add application gateways to the Traffic Manager endpoints

**Deploying Azure protected Geo-Redundant Solution having path based routing**

**Procedure :**

This Project Involve 4 Main Steps.

1. Login to Azure Portal <https://portal.azure.com> with simplilearn account into portal and powerShell



Rectangle

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1. Create an application Gateways (2) with path based routing using – applicationGateway\_EastUS and applicationGateway\_WestUS

Reference: <https://docs.microsoft.com/en-us/azure/application-gateway/quick-create-powershell>

Graphical user interface, application

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1. Create backed Servers 2 VMs in Each Location using backendServers\_EastUS and backendServers\_WestUS

Graphical user interface, email

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1. Deployed Traffic Manager and Configured above created Application Gateway End points

Reference: <https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-configure-geographic-routing-method> used

Graphical user interface, text, application, email

Description automatically generated

Traffic Manger URL access from browser

