**Step 1: Deploy Two VMs in Different Regions**

1. **Log into Azure Portal**:
   * Visit the [Azure Portal](https://portal.azure.com/) and log in with your credentials.
2. **Create VM 1**:
   * Click on **Create a resource** > **Compute** > **Virtual Machine**.
   * Fill in the VM details:
     + **Subscription**: Select your subscription.
     + **Resource Group**: Create a new resource group or select an existing one.
     + **Virtual Machine Name**: Give it a name (e.g., VM1).
     + **Region**: Choose a region (e.g., East US).
     + **Image**: Select an operating system (e.g., Ubuntu Server).
     + **Size**: Select an appropriate size for the VM.
     + **Authentication Type**: Choose between SSH public key or password for authentication.
   * Configure other settings as needed and click **Review + Create**. Then click **Create** to deploy the VM.
3. **Create VM 2**:
   * Repeat the steps above to create the second VM (VM2), but this time select a different region (e.g., West Europe).

**Step 2: Configure the VMs**

1. **Install Required Software**:
   * Once both VMs are deployed, connect to them via SSH.
   * Install a web server (e.g., Apache or Nginx) on both VMs to serve content.

**sudo apt update**

**sudo apt install apache2**

**Step 3: Set Up Azure Traffic Manager**

1. **Create a Traffic Manager Profile**:
   * In the Azure Portal, search for **Traffic Manager profiles** and click **Create**.
   * Fill in the required details:
     + **Name**: Give your Traffic Manager profile a name (e.g., TrafficManagerProfile199578).
     + **Routing Method**: Select **Geographic** for geographic load balancing.
     + **Resource Group**: Choose the same resource group as your VMs or create a new one.
     + **Resource Group**: Select the desired location.
   * Click **Review + Create**, then click **Create**.
2. **Add Endpoints to the Traffic Manager**:
   * After creating the Traffic Manager profile, navigate to it.
   * Click on **Endpoints** > **Add**.
   * For the first endpoint (VM1):
     + **Type**: Select **External endpoint**.
     + **Name**: Enter a name (e.g., VM1).
     + **URL**: Enter the public IP address or DNS name of VM1 (e.g., http://<VM1\_Public\_IP>).
     + Click **Add**.
   * Repeat the above steps to add VM2:
     + **Type**: Select **External endpoint**.
     + **Name**: Enter a name (e.g., VM2).
     + **URL**: Enter the public IP address or DNS name of VM2 (e.g., http://<VM2\_Public\_IP>).
     + Click **Add**.
3. **Configure Geographic Settings**:
   * For each endpoint, you can configure the geographic routing by specifying the regions or countries that should route to each VM.
   * Click on each endpoint and configure the geographic regions as needed.

**Step 4: Test the Configuration**

1. **Obtain the Traffic Manager DNS Name**:
   * After the configuration is complete, you will get a DNS name for your Traffic Manager profile (e.g., TrafficManagerProfile.trafficmanager.net).
2. **Test the Traffic Manager**:
   * Open a web browser and navigate to the Traffic Manager DNS name (e.g., http://TrafficManagerProfile.trafficmanager.net).
   * Depending on your geographic location, Traffic Manager should direct you to the appropriate VM based on the geographic routing rules you set up.