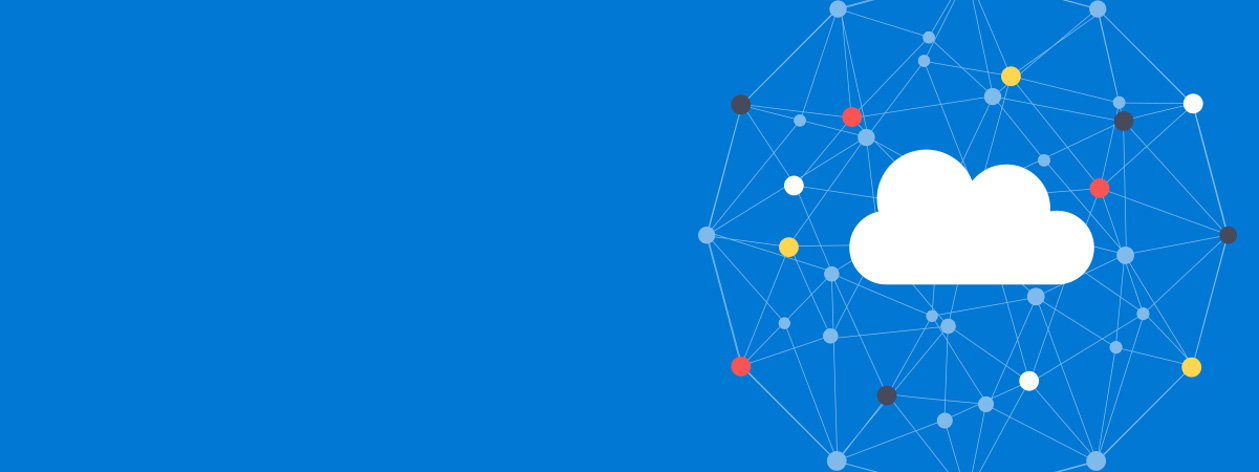


Case Study – Azure Portal

Working screenshots

Cloud Operations Engineer

Akhil Dsouza



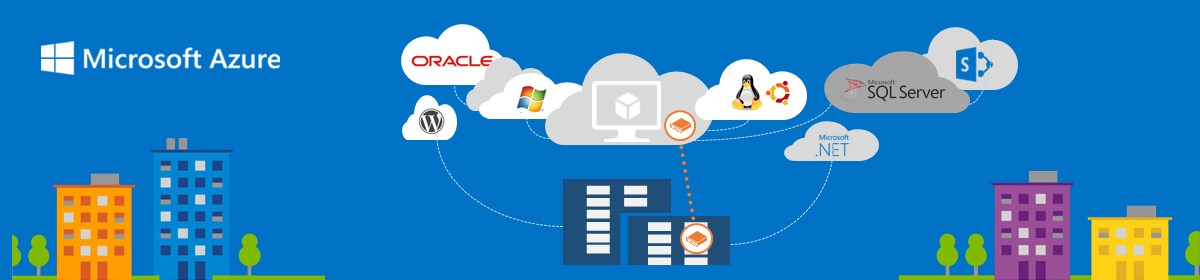


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# South East Asia region

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| Create a resource group - RG-SEA-NilavembuHerbs |

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| Create a Virtual network - vnet-test-SEA-NilavembuHerbs001 |

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| Create Subnets for webservers and Jumphost |

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| Create an Availability set |

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| Create a Public Load Balancer - lb-test-webservers001 |

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| Create Health Probe and Backend pool |

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| Create a load balancer Rule with Client affinity |

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| Create a Virtual Machine – Webserver001 Add VM to Availability set |

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| Select Standard SSD disk |

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| Add the VM to VNET created for South East Asia region.  Add the VM to subnet created for VMs.  Change the Public IP option to None and keep NSG as none. NSG will be configured on Subnet level.  Add VM to Backend pool on load balancer |

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| Networking |

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| Create a Virtual Machine – Webserver002 Add VM to Availability set |

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| Select Standard SSD disk |

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| Add the VM to VNET created for South East Asia region.  Add the VM to subnet created for VMs.  Change the Public IP option to None and keep NSG as none. NSG will be configured on Subnet level.  Add VM to Backend pool on load balancer |

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| Networking |

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| Install webserver feature using **run command** feature |

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| Create a Jumphost - vm-test-jumphost |

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| Assign a public IP to the VM  Add VM to Subnet created for jumphosts  Add VM to Subnet created for Jumphost and assign a public IP.  Allow RDP port. |

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| Create an NSG for Webservers     Attach NSG to Subnets with VM    Allow RDP and HTTP port from Load balancer |

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| Use Jumphost to upload contents to web servers |

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| Create an Inbound NAT rule to allow RDP from internet |

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| Create a Backup and Site Recovery |
| Create an alert RuleCreate an Action Group – VM admin    Set an Alert Rule - rule-CPU80 |

# East US region

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| East US Resource group |

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| Create a VNET for East US region - vnet-test-EastUS-NilavembuHerbs001    Create a VM - vm-test-Server11   Select Standard HDD disk type |

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| Add VM to Subnet  Assign a public IP     Add a VNET peering to Connect both VNETS across multiple regions |

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| Storage RequirementsCreate a Storage account in East US region with ZRS        Generate Storage access keys |

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| Connect to Storage account using Azure Storage Explorer |
| Create a File share  |  |  | | --- | --- | |  |  |       Attach the PowerShell script on target machine |

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| Create a storage account in South East Asia Location with GRS      Azure Resource ManagementCreate vmadmin User -Azure Active Directory    Create a new group and add the user to vmadmin group |

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| Create backupadmin user – Azure Active Directory |

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| Add Role -RBAC Navigate to Both Resource Groups and click on “Add role assignment”   Add Virtual Machine Administrators login role to vmadmin group    Navigate to East US resource group and add “Backup contributor” role to backup\_admin group        RBAC Demo |
| Network TopologySouth East Asia  East US |