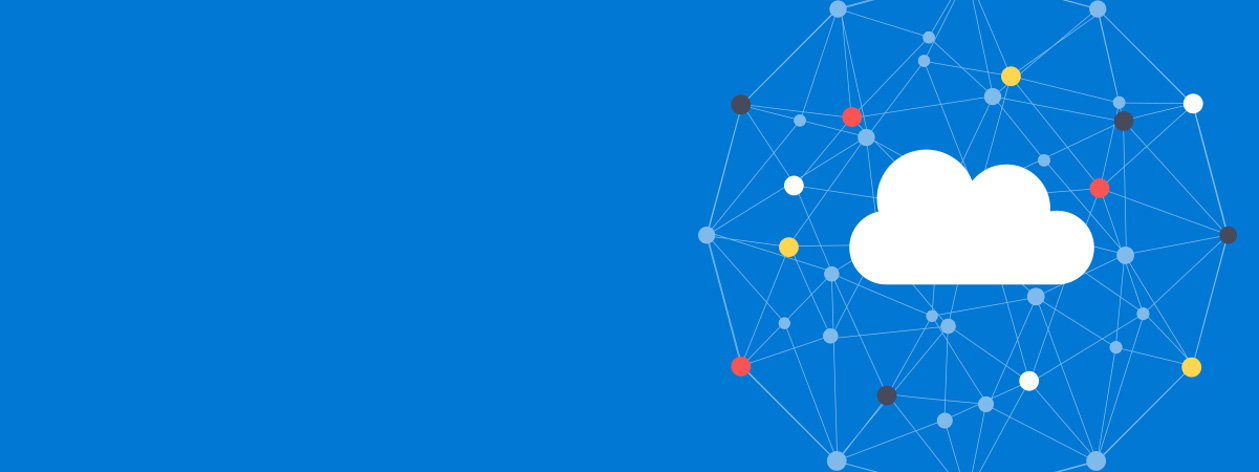


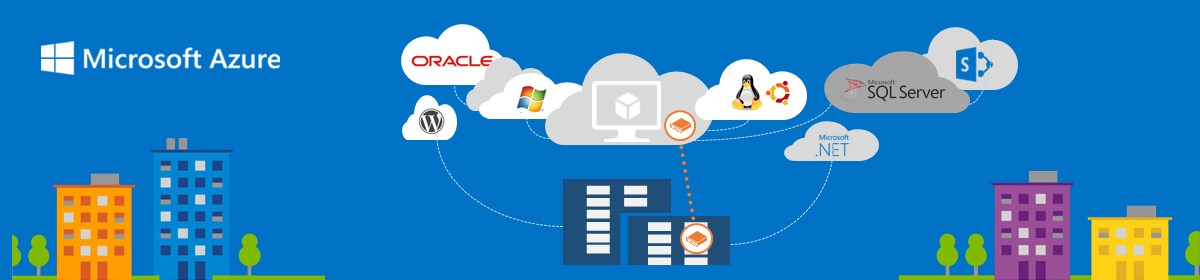
Case Study

Cloud Operations Engineer

Implementation Design Approach

Akhil Dsouza





**Network Proposal**

|  |  |  |
| --- | --- | --- |
| Description | SEA | EUS |
| Resource Group | RG-SEA-NilavembuHerbs | RG-EastUS-NilavembuHerbs |
| VNET | 10.2.0.0/16 | 10.1.0.0/16 |
| Subnet | snet-test-jump-001  (10.1.4.0/24)  snet-test-VM-001  (10.1.3.0/24) | snet-test-jump-001  (10.2.4.0/24)  snet-test-VM-001  (10.2.3.0/24) |
| VM | vm-test-webserver001  vm-test-webserver002 | vm-test-Server11 |
| IP Private/Public | Static/- | Static/Static |
| website Content | Nilavembu Herbs | - |
| Jumphost | vm-test-jumphost RDP enabled | - |
| Storage account | stgseanilavembu001 | stgeusnilavembu001 |
| Load balancer | lb-test-webservers001 | - |

**Network component required**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Description | Vnet\subnet | NSG | Public IP | Availability set | Public Load balancer |
| vm-test-webserver001 | vnet-test-EastUS-NilavembuHerbs001\ snet-test-VM-001 | nsg-SEA-vmsubnet | No | avail-test-SEA-NilavembuHerbs | [lb-test-webservers001](https://portal.azure.com/#@dszakhiloutlook.onmicrosoft.com/resource/subscriptions/4208f520-b385-4898-a89b-cf2de22f4a29/resourceGroups/RG-SEA-NilavembuHerbs/providers/Microsoft.Network/loadBalancers/lb-test-webservers001) |
| vm-test-webserver002 | vnet-test-EastUS-NilavembuHerbs001\ snet-test-VM-001 | nsg-SEA-vmsubnet | No | avail-test-SEA-NilavembuHerbs | [lb-test-webservers001](https://portal.azure.com/#@dszakhiloutlook.onmicrosoft.com/resource/subscriptions/4208f520-b385-4898-a89b-cf2de22f4a29/resourceGroups/RG-SEA-NilavembuHerbs/providers/Microsoft.Network/loadBalancers/lb-test-webservers001) |
| vm-test-jumphost | vnet-test-EastUS-NilavembuHerbs001\ snet-test-jump-001 | vmtestjumphostnsg944 | Yes | No | No |
| vm-test-Server11 | vnet-test-EastUS-NilavembuHerbs001\snet-test-VM-001 | vm-test-Server11-nsg | Yes | No | No |

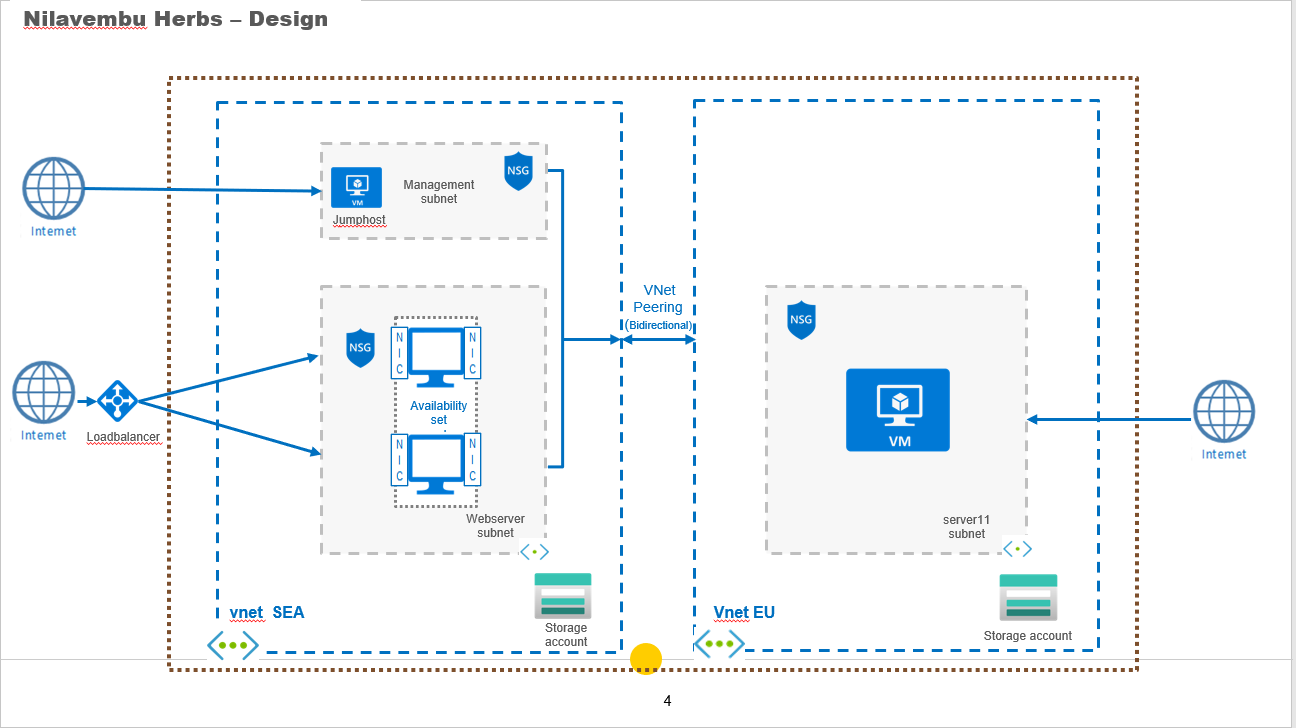
**Backup and recovery component**

|  |  |  |
| --- | --- | --- |
| Description | Backup enabled | Recovery Services vault |
| vm-test-webserver001 | yes | backup-test-EUS-001 |
| vm-test-webserver002 | yes | backup-test-EUS-001 |
| vm-test-jumphost | No | - |
| vm-test-Server11 | No | - |

**Storage Accounts**

|  |  |
| --- | --- |
| Storage account name | Replication |
| stgeusnilavembu001 | Zone-redundant storage(ZRS) |
| stgseanilavembu001 | Read-access geo-redundant storage (RA-GRS) |

**Architecture**

****