# Lab 05 - Implement Intersite Connectivity

Contoso has its datacenters in Boston, New York, and Seattle offices connected via a mesh wide-area network links, with full connectivity between them. You need to implement a lab environment that will reflect the topology of the Contoso's on-premises networks and verify its functionality.
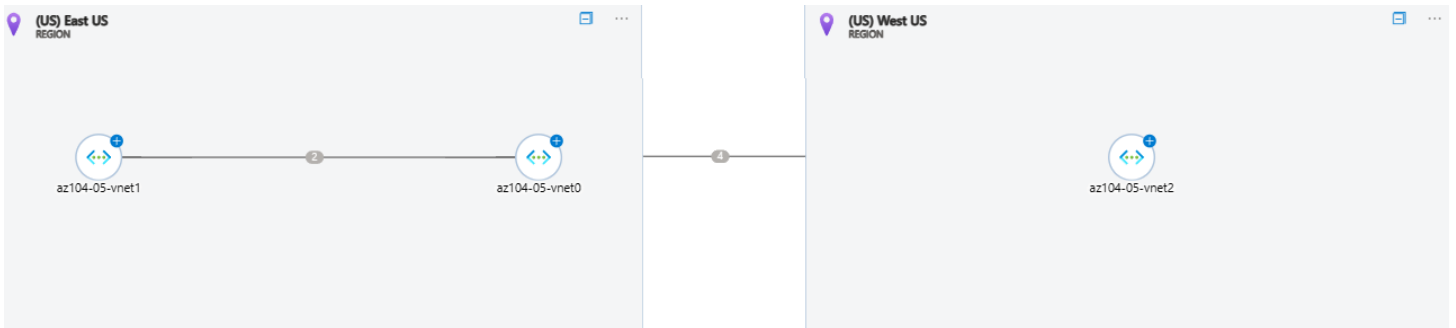
1. Provisioned the lab environment
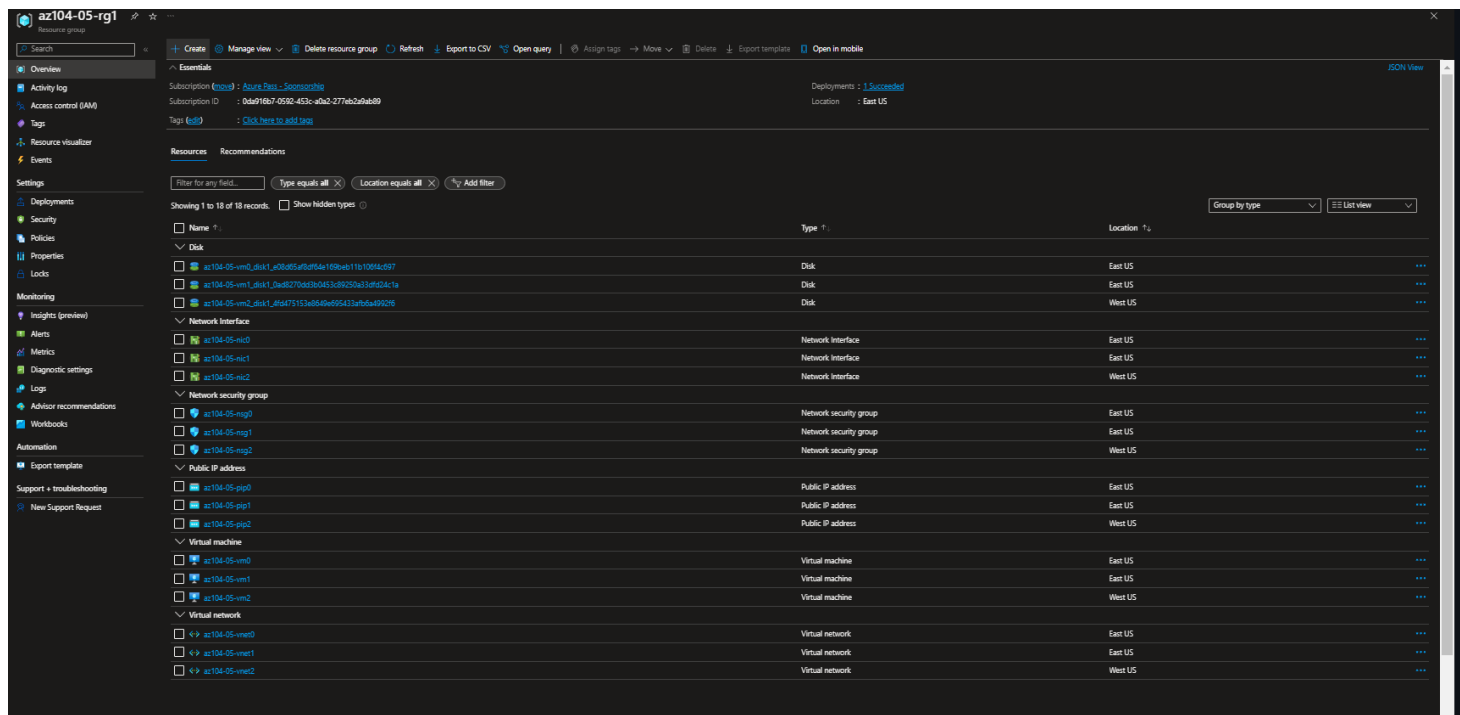
Provisioning in different locations

ToDo:

2. Configured local and global virtual network peering

Using topology tool to show peerings

ToDo:

3. Tested intersite connectivity

Test conection from vm0 to vm1

```
Test-NetConnection -ComputerName 10.51.0.4 -Port 3389 -InformationLevel 'Detailed'
```

```
ComputerName            : 10.51.0.4
RemoteAddress           : 10.51.0.4
RemotePort              : 3389
NameResolutionResults   : 10.51.0.4
MatchingIPsecRules      :
NetworkIsolationContext : Internet
InterfaceAlias          : Ethernet
SourceAddress           : 10.50.0.4
NetRoute (NextHop)      : 10.50.0.1
TcpTestSucceeded        : True
```

Test conection from vm0 to vm2

```
Test-NetConnection -ComputerName 10.51.0.4 -Port 3389 -InformationLevel 'Detailed'


ComputerName             : 10.51.0.4
RemoteAddress            : 10.51.0.4
RemotePort               : 3389
NameResolutionResults    : 10.51.0.4
MatchingIPsecRules       :
NetworkIsolationContext  : Internet
InterfaceAlias           : Ethernet
SourceAddress            : 10.50.0.4
NetRoute (NextHop)       : 10.50.0.1
TcpTestSucceeded         : True
```

Test conection from vm1 to vm2

```
Test-NetConnection -ComputerName 10.52.0.4 -Port 3389 -InformationLevel 'Detailed'


ComputerName             : 10.52.0.4
RemoteAddress            : 10.52.0.4
RemotePort               : 3389
NameResolutionResults    : 10.52.0.4
MatchingIPsecRules       :
NetworkIsolationContext  : Internet
InterfaceAlias           : Ethernet
SourceAddress            : 10.51.0.4
NetRoute (NextHop)       : 10.51.0.1
TcpTestSucceeded         : True
```