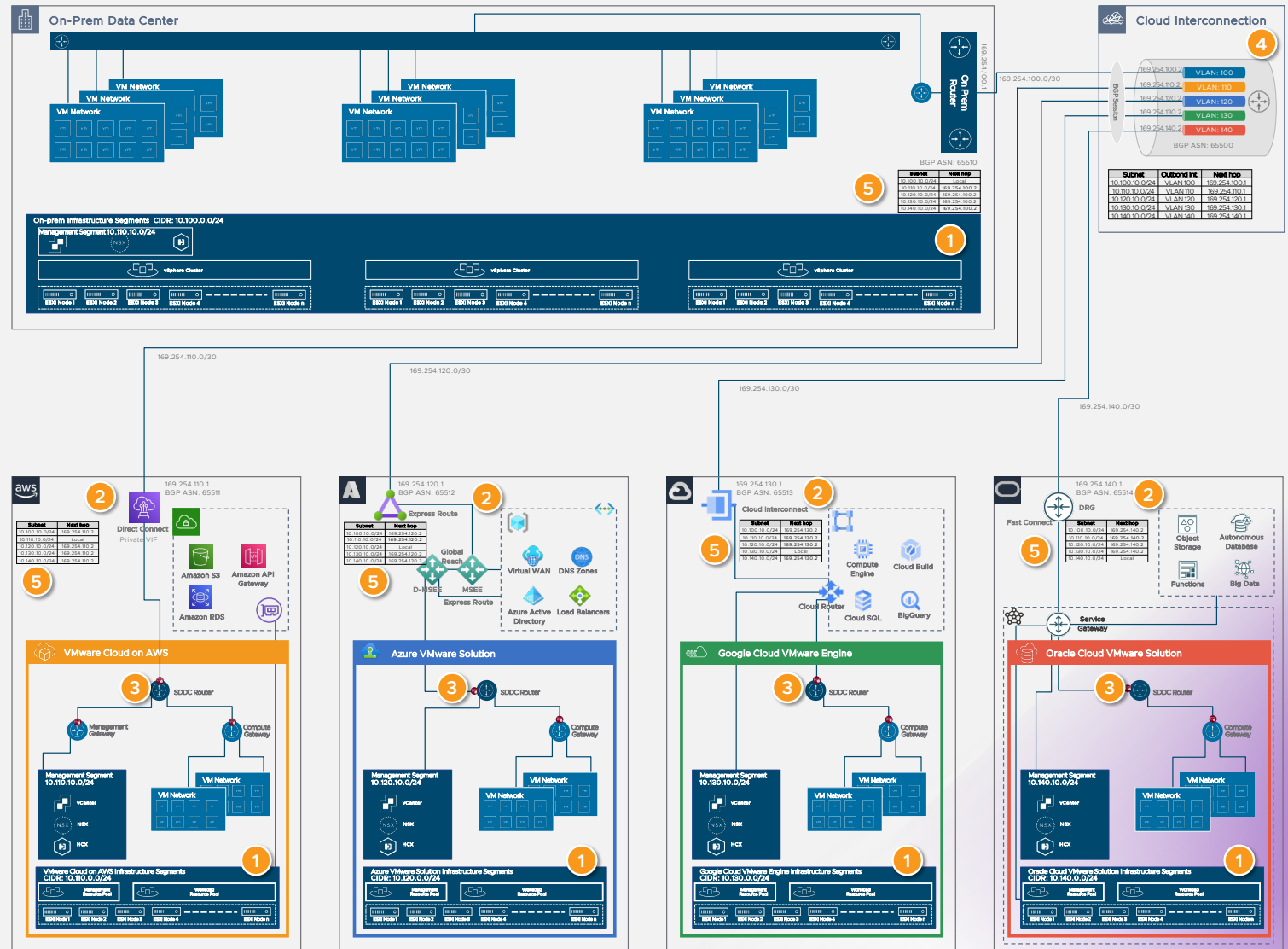


# VMware Multi-Cloud Reference Architecture

## Multi-Cloud SDDC Networking Reference

This Reference Architecture shows the network design by using Cloud Interconnection Provider to extend on-prem data centers to VMware Cloud on AWS, Azure VMware Solution, Google Cloud and Oracle Cloud VMware Solution.

- 1 Deploy the VMware Solution SDDC within the AWS, Azure, Google Cloud and Oracle Cloud respectively, with non overlapping IP address space for Management and Compute and workload networks.
- 2 Configure the dedicated connection from respective cloud environments to Cloud Interconnection Provider via Public Cloud console. The process of provisioning varied with clouds, follow the instructions from each cloud,
  - [Direct Connect on AWS](#)
  - [Express Route on Azure](#)
  - [Interconnect on Google Cloud](#)
  - [Fast Connect on Oracle Cloud](#)
- 3 Create both inbound and outbound firewall rules on Compute Gate of NSX Gateway Firewall to allow traffic from on-prem and other clouds and vice versa, also apply the rules on the proper interface that connects to WAN.
- 4 Create connections to Cloud Interconnection Provider. In this design, we are using Megaport. BGP session will be setup between each cloud and the provider. Before provisioning, you should have the essential parameters of BGP ASN, peering IP, VLAN ID of each cloud.
- 5 Configure the route table from each cloud console with selective subnets of SDDC, including logical segments created in NSX. These subnets will be advertised to other peers via BGP and each cloud will also learn BGP routes from peers.



MSEE Microsoft Enterprise Edge  
 D-MSEE Dedicated Microsoft Enterprise Edge  
 ASN Autonomous Number  
 WAN Wide Area Network