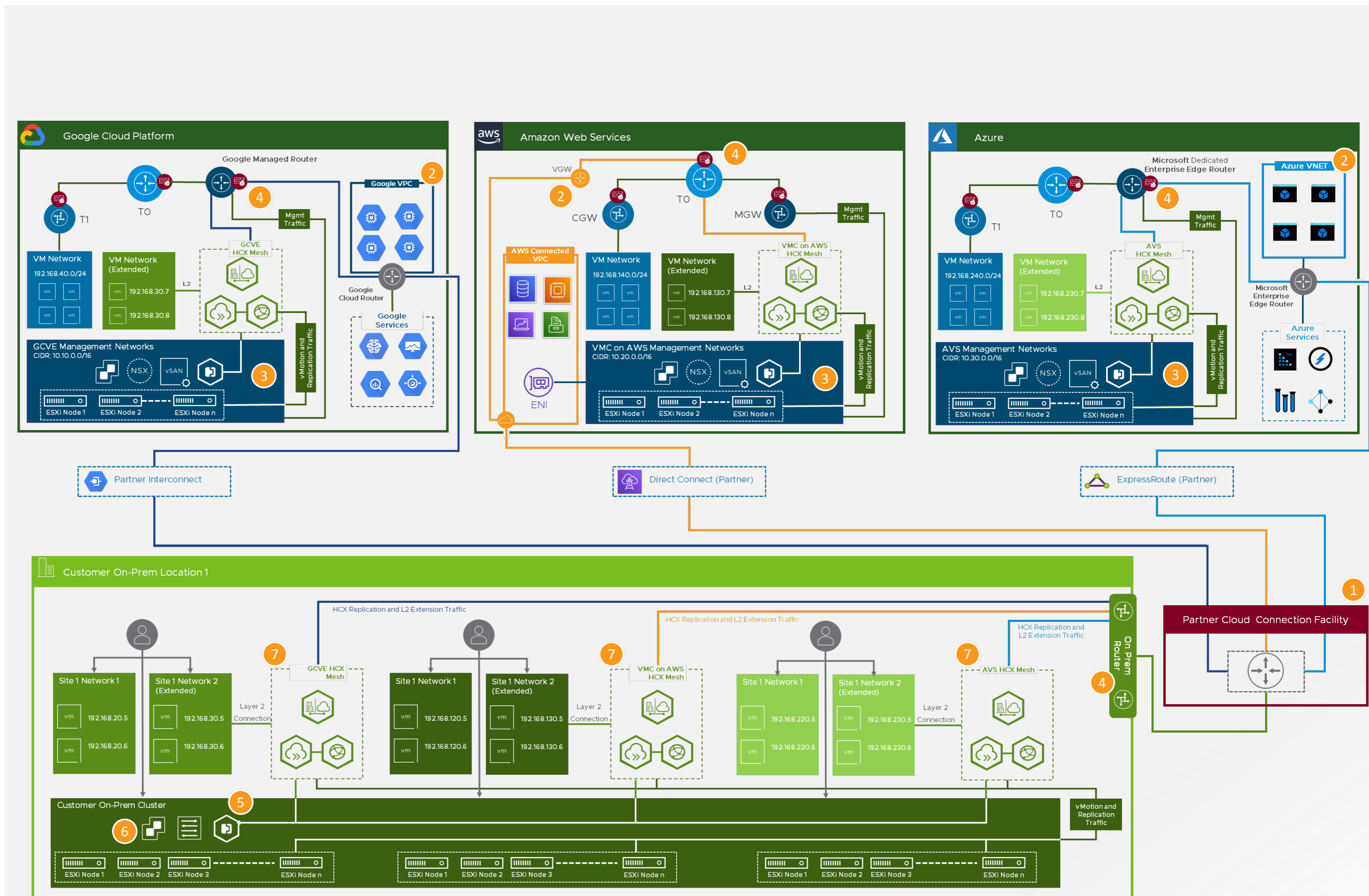


This diagram gives an overview of configuration considerations for leveraging Partner Multi-cloud connectivity options with VMware HCX for application mobility. This type of application mobility method can be leveraged with most of our VMware Solutions public cloud partners.

- 1 Establish dedicated Multi-Cloud connectivity with the chosen multi-cloud networking partner. This connectivity will enable high speed, low latency connectivity from on premises to the each cloud provider. (Dedicated connectivity is required for GCVE and AVS for use with HCX.)
 - 2 Next, via the respective cloud provider console, configure the dedicated connection from the partner multi-cloud provider to the respective cloud environments. Refer to the partner and cloud provider documentation for the requirements and procedure details.
 - 3 Deploy the VMware Solution SDDCs within the respective Public Cloud Provider, with non overlapping IP address space for SDDC Management and application workload networks.
 - 4 Open the required HCX firewall ports in the on premises firewall and the cloud side firewalls; allow HCX Manager communication over TCP port 443; allow HCX Interconnect and Network Extension traffic over UDP port 4500.
 - 5 Download and deploy HCX Connector Appliance on premises (make sure HCX is also deployed on cloud SDDC if not automatically deployed with the creation of SDDC). Once the HCX Connector is deployed, activate and pair the Connector with the on premises vCenter.
 - 6 Login to the on premises vCenter, navigate to the HCX plugin, configure site pairings from on premises to each cloud HCX Manager, then configure the Compute and Network Profiles for the respective resources on prem.
 - 7 Next deploy the required HCX Service Mesh(s) to connect to the respective VMware SDDCs located within each cloud provider. This will deploy the respective service mesh appliances on the cloud SDDCs.
- Once the successfully deployment of each Service Mesh, the customer is ready to begin the necessary migrations of application workloads to the cloud SDDC that fits the requirements of users and applications.



- HCX Manager Appliance
- HCX Extension Appliance
- HCX Interconnect Appliance
- Administration and Configuration
- HCX WAN Optimization Appliance

