Load Balance a Hybrid Horizon Environment on VMware Cloud on AWS

One example of how to configure load balancing for a hybrid Horizon environment across an on-premises environment and a VMware Cloud on AWS environment.

**On-Premises Environment**

- On-Premises Data Center
  - VMware Horizon 7 CPA Pod
  - Unified Access Gateways
  - Connection Servers
  - Desktop Pools
    - OS
    - OS
  - RDSH Farms
  - ESXi
  - VMware vSphere

- On-Premises Connected Users
  - On-Premises Connected Users
  - On-Premises Horizon

**AWS Region**

- Public Hosted Zone
  - Public ALB
  - Amazon EC2 Bare Metal
  - Amazon Route 53
  - R53 Resolver
  - Inbound Endpoints

**VMware Cloud VPC**

- VMware Cloud ENI
  - Private Hosted Zone
  - Private ALB
  - Connection Servers
  - Connection Servers
  - Connection Servers
  - Desktop Pools
    - OS
  - RDSH Farms
  - ESXi

**Internet Connected Users**

1. The Public Hosted Zone in Amazon Route 53 resolves requests to the on-premises Unified Access Gateways virtual machines (VMs) for public access.
2. Amazon Route 53 directs the public internet traffic to the Public ALB (Application Load Balancer).
3. The Public ALB directs the traffic to the Unified Access Gateways VMs in VMware Cloud on AWS.
4. The Unified Access Gateway VMs direct the traffic to the Private ALB.
5. The Private ALB directs the traffic to the Connection Servers for the Horizon VMware Cloud environment on AWS.
6. On-premises connected users initiate requests to Amazon Route 53 Resolver Inbound Endpoints through a VPN connection or AWS Direct Connect.
7. The inbound endpoints forward requests to Route 53.
8. The Private Hosted Zone in Route 53 resolves requests to the on-premises Connection Server VMs for internal access.
9. Route 53 directs traffic to the Private ALB.
10. The Private ALB directs traffic to the Connection Servers for the Horizon VMware Cloud environment on AWS.