

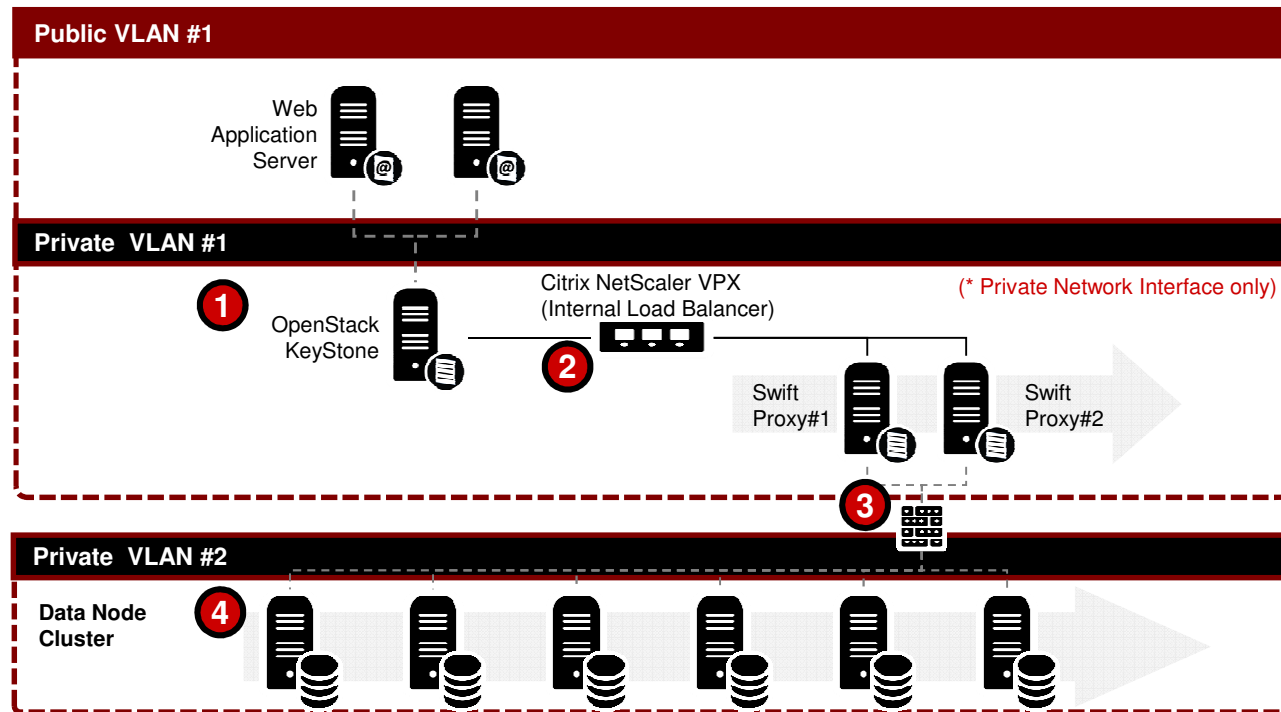
RA08: Private Cloud (Object) Storage (OpenStack SWIFT)

Architectural Points

- Store the data on private (single tenant) environment
- Baremetal – based data nodes

Required Resources

- Citrix NetScaler VPX
- Portable (Public/Private) IP
- Public VLAN
- Private VLAN



1. **Keystone** is an OpenStack project which provides identity, token and policy services for OpenStack Swift. Keystone identifies the request from the Application servers and send the traffics to swift proxy server.
2. **(Optional) Citrix NetScaler VPX** serves as an internal (private) load balancer which routes the traffics to proxy servers. Additional proxy nodes can be added to Citrix VPX for better performance. This can be replaced with HAProxy VMs for small transactions.
3. **(Optional)** If ACL is required, **Vyatta Gateway Appliance** controls the access from other VLAN.
4. **Data Nodes** for Object Storage are placed under separate vlans for better network performance. Data node can be scale out for additional capacity.