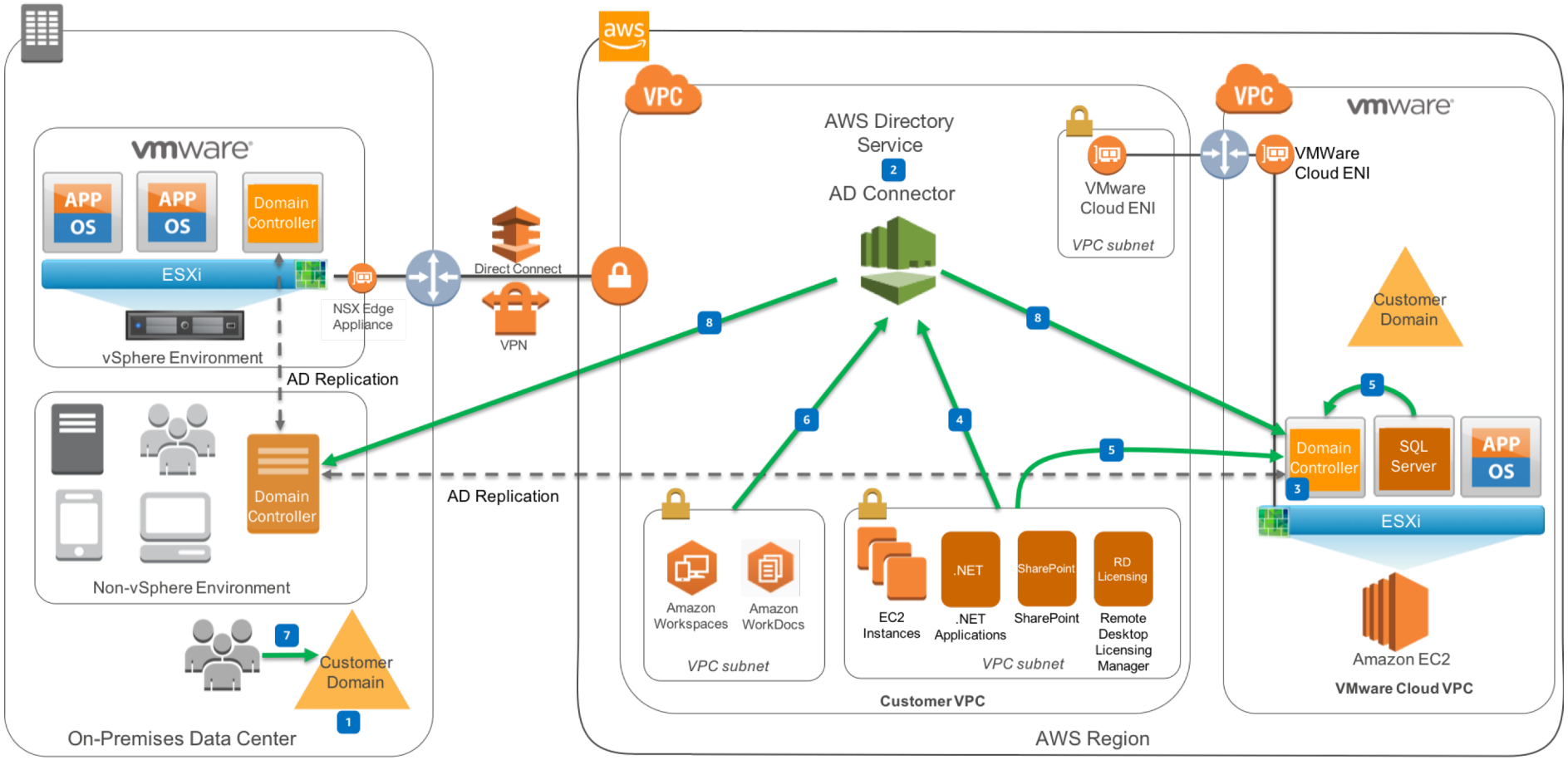
Hybrid Active Directory Stretched Domain

Using AWS Directory Service AD Connector

This architecture demonstrates a single *Customer Domain* stretched to the AWS and VMware Cloud on AWS. AWS Directory Service *AD Connector* proxies domain joins to a native domain controller and supports seamless domain join for AWS instances. Domain controllers can be placed on-premises, on AWS, or on VMware Cloud on AWS to optimize performance and high availability.



#	Description
1	Customer Domain is deployed on-premises with Users, Computers, and Group Policy as the AD source of identity.
2	AD Connector is provisioned to accept and proxy DC requests to domain controllers.
3	Member servers are deployed on VMC, joined to the Customer Domain across DX/VPN, promoted to DCs, and configured as an HA VMC AD Site for the cloud.
4	AWS Instances are seamlessly joined to DCs in the cloud or on-premises through the AD Connector.
5	AD Connector connects AWS instances and VMware VMs to native domain controllers.
6	Amazon WorkSpaces users authenticate via AD Connector and proxy AD requests to native DCs.
7	On-premises users authenticate to DCs with the lowest Site Link Cost.
8	On-premises users access cloud resources in the stretched Customer Domain.

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AWS Reference Architecture