

This reference architecture highlights the recommended production topology for deploying managed file-servers leveraging Amazon FSx for Windows Server with VMware Cloud on AWS.

- 1 Deploy and configure the AWS Directory Service in to connected VPC to provide domain services for FSx and client windows servers.
- 2 Deploy and configure FSx file-system as per your application requirements, in the same VPC . For multi-AZ deployment deploy a second in to another availability zone.
- 3 Configure VMware Cloud on AWS Compute Gateway to allow traffic from file-server network to the VPC / subnets that the directory service and FSx services are located.
- 4 Configure an AWS security group to allow communication between VMware Cloud on AWS subnets to AWS VPC subnets where the FSx service will be provisioned.
- 5 Configure the VMware Cloud on AWS SDDC to leverage the newly created DNS suffix in networking & security.
- 6 Deploy your namespace servers and client windows machines into VMware Cloud on AWS SDDC and join them to the new AWS directory service domain.
- 7 Configure DFS namespace servers that will serve up the FSx shares and control failover.
- 8 Configure DFS replication to replicate the data between the two shares hosted on Amazon FSx
- 9 Backups are automatically taken to S3 as part of the FSx service

