

CASE STUDY – EMPSi

PROBLEM STATEMENT

For EMPSi, to set up and get started on an on-prem system was taking at least a week to handover to new hire and they wanted to eliminate this waiting time to get started quickly, along with additional flexibility to access their system and data from any corner of the world. Also they were paying high upfront cost for Graphic intensive systems that if later weren't used and result in loss for company.

SOLUTION HIGHLIGHTS

We proposed a solution to move forward with AWS Windows Workspaces. All their data was migrated to AWS FSx which can be mounted to these workspaces. Also implemented AWS Managed AD and created a GPO which automatically mounts the required FSx as new workspaces are created

- We setup a private VPC with appropriate security group, route tables and NACL configurations for access.
- Moved the users from on-prem Active Directory to AWS Managed AD.
- We launched Graphics Pro Windows Workspaces as they were using graphic intensive software.
- We created FSx which contains all their data which they can access from the required workspaces.
- Configured GPO policies which attach the FSx to workspaces automatically as per the user access rights.

About EMPSi



Industry:

EMPSi solves a wide range of complex problems with sound science, analysis, and creativity by hiring and empowering the best people in the field. They are leader in environmental engineering and compliance, natural and cultural resources consulting, public engagement, GIS support and integration, and project management.

Challenges:

EMPSi required resource intensive machines with Adobe software and licensing pre-configured when they hand over it to any employee. Also while launching new workspace, they wanted to allow limited access to shared storage as per the permissions assigned to the user. The need for the shared FSx was to collaborate on artifacts being produced.

WHY AWS

Secure, Low Cost and reliable work environment for the company can be implemented using the services provided by AWS. AWS offers various services that can solve the issue of desktop virtualization and keep the cost of infrastructure in check. Various services that could help this use case are:

- AWS Workspaces with pay as you go pricing and less charges compared to on-prem infrastructure.
- AWS Managed AD which makes easy to manage Active Directory.
- FSx for storing required data which can be mounted to the required workspaces as NFS mount point by setting up appropriate GPO.

WHY customer selected ScaleCapacity, Inc.

EMPSi chose ScaleCapacity, Inc. as we have experience in building Virtual Workstations for multiple customers in past, following AWS Best Practices. ScaleCapacity, Inc. has experience engineers who are Solutions Architect associate and professional certified which gives them edge over other companies. Also with expertise in implementing Well Architected and cost effective solution best fits the requirements of the customer. ScaleCapacity, Inc. helps startups to implement solution with their low budget and reduce time to Market.

RESULTS

Setting up a virtual workstation with pre-configured Adobe Software and licensing allows seamless and immediate access to graphics intensive software and also helps securing the whole architecture in a private VPC with ease to access the data using FSx and AWS Managed AD for maintaining users for respective workspace. This has helped EMPSi to bring down the cost of their infrastructure by about 43% and increased their efficiency of onboarding and remote work by about 51%.

About Partner



ScaleCapacity, Inc. is AWS Advanced Consulting Partner and experienced in providing AWS consulting services related to various client needs, which includes (but not limited to) setting up AWS environments, migrating to AWS, provide well-architected AWS solutions. ScaleCapacity, Inc. has well defined processes to carry out client's strategy for delivering solutions on AWS cloud.

EMPSI

