

CLOUD MIGRATION & VDI IMPLEMENTATION

CLIENT OVERVIEW: The customer is a Health and wellness giant who manufactures, markets, and distributes FMCG products such as tissue products, skin-friendly baby and adult diapers and 100% natural beverages. Headquartered in Jordan, the customer caters to consumers in over 75 countries across the globe.

BUSINESS NEEDS: The client was envisioning a long-term, modern IT strategy to connect the dots between its cloud infrastructure and devices at the user level. Multiple user-level desktop computers needed to be refreshed, and they were loaded with business applications requiring machine-level access. This stretched the bandwidth of the IT administrative staff and created a lot of dependency on manual maintenance of security patches and antivirus updates. Additionally, the data was stored natively on the machines, which posed a high risk around recovery and a challenge for centralized control.

When deciding on its solution infrastructure, the customer focussed on a VDI base setup on Azure, where the end users will be accessing these VDI machines from inside and outside the on-premise location from Windows end user machines.

KRYPTOS APPROACH: Kryptos thoroughly assessed the environment and planned the phase of implementation sequentially accounting the dependencies. The team initiated the migration of about 50+ server workloads including all the client applications into the Azure platform. The VDI setup on Azure was high availability, with MPLS connectivity to the primary datacentre of the customer, helping to increase seamless access of core and intranet applications from Azure.

Kryptos' solution setup comprised of various Azure resources, like virtual machines, Image pool, Directory services, network load balancing, Azure Blob Storage, ExpressRoute gateway, and multifactor authentication (MFA) services, FSLogix, Azure Active Directory and Azure Resource manager services.

SOLUTION PROVIDED

- Centralized data storage and the backup of user-level data
- Azure tenant preparation
- Creation of Vnet and Subnet on Azure for Windows Virtual Desktop Interfaces
- Implementation of Azure Directory Services
- Creation of Azure DNS and manage system health
- Creation of Managed Image on Azure
- Creation of VDI pools for user-base for all the customer departments and branches
- Create Azure file storage, Azure AD enterprise application for all end-users
- Managing multiple VDI systems in the existing domain on Azure
- Install and manage FSLogix on the Virtual Desktop Interface
- Create group policy for FSLogix users
- Enable VDA in VDI machines
- Create and configure Scale Set for VDI machines
- Deploy management tool on VDI machines.

SOLUTION BENEFITS

- Anytime, Anywhere access to Business Applications
- Reduction in operational costs
- Make operational processes more efficient
- Centralized VDI support and administration
- Patch and antivirus management
- Security controls and application management