Company Name

Sinus Data AS

About:

Sinus Data AS is a hosting provider and hardware supplier that is covering the North region in Norway. They are located in Sandnessjøen. They have a broad range of clients and are focusing on being the best IT-provider for the client both in the B2B and B2C segment.

Problem Statement/Definition:

Sinus Data was in the need for upgrading the solution for their mother company, Sinus AS. With a new cloud solution, they provided a much stronger offering to their future clients and also to run their applications and billing system. Sinus Data AS had two choices, buy new hardware or provide a new cloud solution. After a thorough analysis of different cloud providers and comparison between cloud vs. on premise, AWS was rated as the best and most cost- and performance effective solution for Sinus Data AS. To buy new hardware was not efficient in the long run and AWS cloud was chosen.

Solution Description:

With direct help from a Senior AWS Solution Architect, Sinus was able to get started on the migration right after the decision was made. All core application servers were candidates for migration. The on-premises environment consisted of 100% Windows and Windows EC2 was a natural choice for application servers. For the Database tier, SQL Server on EC2 was chosen to maintain access at OS level. Continuity of data and application dependencies were mapped before migration began.

One key success factor was to build a highly available solution with better control and scalability than their on-premises environment. To accomplish this multiple Availability Zones were used to ensure high availability and fault tolerance. Security was fine-grained in all layers of the architecture using Security Groups and Network Access Control Lists.

Months after migration, Sinus is happy with their decision to migrate core application servers to AWS. They have now seen much better performance, flexibility, monitoring and a more secure infrastructure.

Sinus continue to adopt AWS in new areas. A key example of this is their deployment of Amazon Workspaces into production. Application delivery to internal employees is a core business area for Sinus. By leveraging Amazon Workspaces, they are able to deliver Windows 10 desktops as a service to all their employees. Managing applications connected with internal Active Directory groups is much more automated and less time consuming. They appreciate the new way of thinking that AWS has provided them and will continue to innovate with new services as they grow their footprint

Primary AWS Services used: EC2, EBS, S3, RDS, CloudFormation, VPC, Cloud Trail

Project Architecture: