



COMPUFY
TECHNOLOGY

MIGRATION OF ON PREMISE DATACENTER TO AWS
CLOUD AND MONITORING

BasilRoot : Migration of On Premise Datacenter to AWS Cloud and Monitoring

ABOUT CLIENT

Basil Root Technology is a global service provider and specialization of ESB, Application and Data Integration, Cloud API development and integration. Mule soft Integration, Infrastructure automation and web application development.

BUSINESS NEED

Enterprise Client of Basil root is facing many challenges in managing data centers, network throughput and high availability. There is high maintenance cost.

Migrating any application to the cloud isn't a decision that should be made cavalierly. Although enterprises are quick to embrace the cloud, the reality is that the mileage you get out of a cloud migration will vary a great deal.

Difficulties in maintaining data centers at three different locations

- Security concerns
- Technical expertise
- Ensuring high availability

Need to migrate their on premise infrastructure to AWS cloud with minimum downtime. Increase uptime and reduce maintenance efforts and costs. Increase security level and improve user experience. Setting development environment and boost release process of their legacy applications.

SOLUTION

Selection of Cloud Technology

There were 9 Linux servers and 3 windows servers. This project is more oriented to IaaS(Infrastructure as a Service) and AWS is leading technology in IaaS.

We have done cloud suitability study on following factors.

- Nearest DC Geo-location
- Performance measure
- Cost benefit analysis
- Huge data transfer between on-premise DC to cloud platform
- Cloud service provider comparison (Shared with client)
 - i) IBM Soft layer
 - ii) Azure
 - iii) AWS Cloud

Feasibility/ Challenges Study

- We have carried out feasibility study for migration of services to the cloud.
- There were dependencies on domain controller. It was not possible to migrate servers to cloud platform without domain controller on cloud.
- Direct P2C for AWS platform was not possible.
- Data was huge and only cloud platform available for huge data migration of data to cloud was AWS.
- Hybrid cloud infrastructure for management of data between various data centers and cloud platform.

Legacy applications

Some applications were not suitable for migration to cloud platform as given below:

- SharePoint - Web Based
- Print Server
- File Server
- DC on premise – Configured

Hybrid Infrastrucure

Client is having file servers at three different geo-locations. Data synchronization is configured using AWS storage gateway.

Data backup to cloud and data lifecycle is configured in hybrid infrastructure. Synchronization of data between cloud and on-premise Domain Controllers AD automatic failover.

BENEFITS

- Easy installation of application
- Client can select single application if wants to install or upgrade
- Maximum uptime.
- Reduced human efforts.
- Create backup strategy to reduce data loss.

WHAT OUR CLIENT SAYS

“Compuify Technolab was engaged to help step stone evaluate, physically check and enhance our security measures in the cloud. They adhered to their proposed schedule, delivered what was promised and did so in a pleasant and professional manner.” – **Nitin Patel, Rajesh Maheshwari**