**17th and 20th Jan’22: Brainstorming session on project ideas**

**Option 1:** VMWare Site Recovery Manager with DR in Public Cloud

**Option 2:** Cost Management Software to showcase cost management in Cloud – Optimization, Utilization

**Option 3:** Forward Proxy solution for front end URL filtering (HA Proxy)

**Option 4**: Cost analysis and benefits in Cloud

**Option 5**: VEEAM Backup and Recovery

**Option 6**: Analyze big data with Hadoop (SQL)

**Option 7**: Migration from On-Prem to Cloud (Re-platform strategy) using CSP native tool - **Use azure integrating with AD and all.**..

* Include costing of Migration tool and services in Cloud
* Use Assessment tool

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**Update scenario for Option 7:**

ESXi

* DC - AD + DHCP + DNS
* File & storage Server (Central file server) - 3-4 file shares (Folder structure)
* Linux App/Web server
* Database server
* Windows Web server
* Windows Desktop
* FTP server

Network: Networking between On-Prem and Azure (ER, VPN )

Security: NSG rules

Azure

* Migration tools in free tier - DMS, Azure Migrate, DMA
* AZURE AD
* Server Migration
* DB migration
* 1 subscription - Migration subnet, Prod subnet
* Azure file storage (Folder structure)

**Scenario:**

Company A is currently running their IT estate in On-Prem datacenter. Strategically, the leadership has decided to adopt Cloud. The Enterprise Architects of company A have decided that Azure is their Go-To cloud platform. They want to leverage cloud native technologies for migration of some of their services.

The company wants to adapt its current IT infrastructure to better support its clients while also taking advantage of benefits provided through a cloud-based solution. The company has decided to utilize services operating on Microsoft Azure, and migration of non-critical infrastructure components will be shifted from the on-premise environment to the public cloud. Through further analysis of the cost and benefits related to a cloud-based solution, the IT team can bring greater efficiency to the management and administration of the company IT infrastructure. This will alleviate some of the responsibilities associated with the management of infrastructure related to certain business infrastructure components.