Network Traffic Manager

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Lab Summary 8

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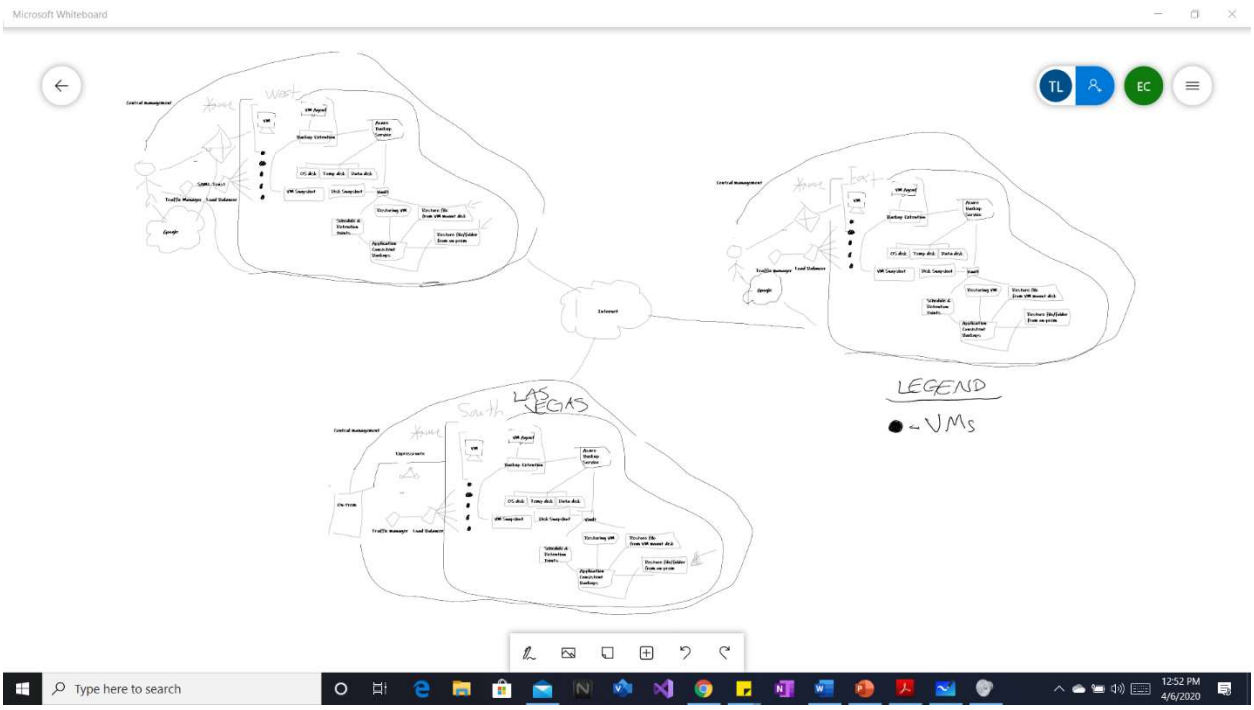
The infrastructure of the lab is to have three locations in California, Chicago, and Texas. In California and Chicago offices, there are two users each, and the owner is in Texas, which needs to have full access to all shared folders and files. The administrator should establish virtual networks, multi-level backups, and disaster recovery. The load balance also requires for this scenario to prevent any latencies or failure of servers. The owner should have different levels of backup while the employees have one level of backup for individuals. Each user also will have the terminal server login to each location.

Since the on-premises servers are located in Texas only, other sites will have a cloud-based environment. Each VM will have the VM agent and backup extension, connected to Azure backup service. The Azure backup service provides cost-effective and secured solutions to back up data and recover from it. This service supports on-premises, Azure VMs, Azure file shares, SQL servers, and SAP HANA databases in Azure VMs. There are several disks for OS, Temp, and data to store information with the Azure Vault.

Azure Key Vault service is also added in the infrastructure because when the owner becomes the vault owner, he can create a key vault and gain full access. Via the Vault, the disk snapshot is configured for backup, and the scheduling and retentions are done so that the regular backup could happen.

When users try to access information, the traffic manager will control and distribute the traffic over the load balancer. The traffic manager is a DNS-based traffic load balancer directly to the client requests. This tool can provide high availability and responsiveness. When the requests come to the manager, it offers the range of traffic-routing method and endpoint monitoring options to find. The load balancer will distribute to each VM, depending on the traffic.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