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Azure Recovery Services Final Project

Final Project
Azure Site Recovery (ASR) Services for Virtual Machine Migrations

Problem Statement:
The was a real use case for McKesson within the last year. The problem was we needed in a short period of time migrate Virtual Machines from our VMWare infrastructure, that was coming to capacity to Azure. The other problem is the group tasked needed to learn ASR, along with the challenges that come with ASR. So in this use case it goes through the process of the Azure Site Recovery setup along with processing a failover.

Overview of the Technology:
To solve the problem I build an Azure Site Recovery system which includes; a windows 2012 R2 vm in our VMWare virtual infrastructure to act as the ASR gateway, added the proper permissions to the VCenter to allow read access for ASR, configured ASR to connect to the VCenters and finally build the failover replication processes for the VM's in question.

High Level Steps:
1) Build ASR in Azure, download the Gateway Server software.
2) Install and configure software on Gateway server VM.
3) Connect VCenters and establish inventory.
4) Build replication processes.
5) Execute replication and failover.

Data Source:
McKesson VCenter VM inventory

Hardware Used:
Windows 2012 R2 VM for Gateway server, Windows 7 laptop to access Azure Portal.

Software Used:
Azure Site Recovery Services

YouTube Links:
2 Min: https://youtu.be/Aax2aDeOCS8
15 Min: https://youtu.be/lmrq8edwxv4
Git Repo: https://github.com/dacoudriet-mck/final_project.git