Notes from free training course

Notes

* Express Route -- private direct link to Azure (as opposed to VPN)
* Backup to Azure
  + Integrate Backup with SCCM Data Protection Manager (DPM)
  + Does not account for Backup Validation reporting
  + Integrates with Data Protection Manager
  + Can Netbackup specify Azure as a landing zone? Yes -- StorSimple
* Steps -- Scenario 1 - VM on prem to Azure
  + Download Backup Credentials
  + Download and install recovery services agent
    - Need 5% of backup space for cache
    - Specify proxy if needed
    - Need .Net 4.5
  + Open DPM
    - Replicates to disk first, then goes to Azure
    - Can throttle bandwidth
    - Need a recovery folder
    - Encrypt backups
    - Define server to protect (Windows or VMWare server)
    - Need agent on machine
    - Query for server through AD
    - Restart server
    - Define protection group
    - Define frequency of backups, retention, etc.
* Steps -- Scenario 2 -- VM already in Azure
  + Recovery Services Vault
  + Use Backup Button in Recovery Vault
* Site Recovery Manager
  + Azure Portal
  + Recovery Services Vault
  + Does this replicate physical to virtual?

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* Need configuration server on prem
* Used to orchestrate replication
* Can be existing. Need at least 2012 R2. Need recovery agent.
* Download Vault registration key
* Need to perform capacity planning (network capacity)
* On Prem physical. Needs agent on machine.
* Archiving
  + "Cheaper storage tier"
  + Storage
    - Storage Account (needs public DNS entry)
    - 2 types
      * General
      * Blob (cheaper)
        + Has Hot or Cool tiers
    - Set Redundancy
    - Can choose "read only" for remote option
  + All storage accounts use encryption by default
  + Need to define a container
  + Need Resource Group Name, Storage Account Name, set correct Storage Account Context, and "Get Child Item" (put everything below parent and put into Container)\_.
* Easy to send Powershell command to wrong account.
* Must ensure commands are targeted for the correct subscriptions
  + Get AzureRN Storage Account
* Everything in Azure has an associated Resource Group. It is an organizational tool.
  + File Share Archiving
    - Define File Share in Azure
    - Can map Azure share as a share or export
    - Uses SMB 3.0

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