

Disk management

Mozeme spravit particie z disku

File systems

NTFS - pre kontatabilitu

exFAT - toto podporuju aj linuxy

Allocation unit size - suvisi s storage performance

ak tam budeme davat velke subory je

lepsie vacsie

Ak neviem necham default - nic s tim

nepokazim

Preco by sme chcely mat definove kde bude VM?

tj. Particia, specificky priecinok

Pre trouble shooting, restore a backup-u

Hyper-V

Btw toto je type 1 hypervizor

Add roles and features -> Next -> role-based a next -> vybrat server, next -> hyper-V -> add features -> vsetko ostatne iba next a install

Add features chceme lebo su to tools kt nam pomozu s danou rolou a jej spravovanim

A teraz mame v tool - hyper-V management

Hyper-V konzola

Rozdelena na viacero casty a vieme tam pripojit iny server a tam to vsetko manazovat

Stredna cast je rozdelena na VM, checkpoints, details - tam su info o vm-kach

Na parvo je action pannel

Hyper-V settings

2 veci kde je miesto na disk, a kde je miesto na vm-ky
a ich files

tie su **virtual hard disk** a **virtual machines**

Vzdy to chceme mat pokope

Ak mame viac serverrou mozeme pouzit - **live migration**

Ak mame viacero viacero storagov - **storage migration**

- napr presun na vacsi datastorage
- presun na rychlejsi datastorage
- docastna migracia na trouble shooting

Network

V hyper-v setting -> virtual switch manager

SEGMENTACIA

Vo firme 3 lany - admin, customer, storage

Spravime 2 lany - admin, customer LAN

Takze teraz bude mat 2 sietove adapter kde 1 je do admin
lany a 2 do customer lany

Takze musime spravit 2 switche

Internal - su spravene pre zariadenia nasej siete prostet o
nejde po public sieti

Teraz lan pre admin-a

tam dame internal -> create switch -> meno (vSwitch-
AdminLAN-vl100)

vlan ID -> enable a 100

INTERNAL NETWORK SWITCH NEPOTREBUJE ZIADNE SIETOVE ADAPTERY

Teraz lan pre customera
tam dame internal -> create switch -> meno (vSwitch-AdminLAN-vl100)
vybrat externu kartu, a checkbox allow management...
vlan ID -> enable a 200

VLAN

Umozuje nam z jedneho portu a jedneho kable, posielat rozny sietovy traffic

HYPER-V JEDEN SWITCH MOZE BYT TAGOVANY LEN NA JEDNU VLAN

HYPER-V SWITCH

Nema port group

vlan je nastavena na samotny cely switch

Co vlan to samostatny switch co samostatny switch to samostatna sietova karta

New VM

Hyper-v manager -> RM server -> new VM -> next -> meno -> next -> gen 2, next -> add ram, dame dynamic memory check box -> admin vlan next -> dame velkost disku next -> install os later, next -> finish

meno vm je rovnaky ako host name

ak nie musime davat normalne mena koli monitoring a backup

Dynamic memory - podľa potreby OS sa bude zvyšovať, znižovať
- SQL/exchange server nezapíname

Gen 1 iba ak su zariadenia kt nepodporuju gen 2 win 98, winxp,...

Mozeme dat vela disku leto pouzivame - thin storage
ak by to bol thick tak by nam to nedovolilo

Mozeme aj vlozit disk nie vytvorit to moze byt - migracia
troubleshooting
backup

Pridanie 2hej sietovej karty

Ideme rm na vm -> add new -> network card -> tam dame druhu siet. A apply

Importing VM

Rm na server v hyper-v manager a dame import VM