Windows Server 2019, Disaster Recovery like a child's play

WORK FROM HOME 2020

TRACK 1: HYBRID IT

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Broadest Offerings (Intel, AMD, Workload Optimized)

ML350 GEN10
2* - 4 node Hybrid

DL360 GEN10
2* - 4 node Hybrid
2* - 4 node All Flash

DL380 GEN10
2* - 16 node All Flash
2* - 16 node Hybrid
2* - 16 node Hybrid w Intel Optane DC PMEM

EDGELINE EL8000
Converged Edge System
2* - 4 nodes All Flash

DL325 GEN10
2* - 4 node Hybrid
2* - 4 node All Flash

DL385 GEN10
2* - 16 node Hybrid
2* - 16 node All Flash

D3610/D3710 JBOD
Supported for use on DL380/385/360
Apollo 4200 – SAS only

APOLLO 4200 GEN10
2* - 16 node Hybrid
2* - 16 node All Flash

SYNERGY 480 GEN10
2* - 16 node Hybrid
2* - 16 node All Flash

Hewlett Packard Enterprise

Microsoft

Broadest Offerings

SWITCHLESS

More affordable, reduce failure points, faster

INTEL OPTANE PERSISTENT MEMORY

Fastest HCI

JBOD

14 CONFIGURATIONS

Most affordable storage

Hewlett Packard Enterprise

Microsoft

Disaster Recovery

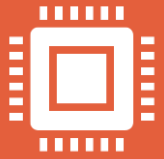
- Disaster Recovery is part of business continuity plan.
- Disaster Recovery Plan is a response initiated following a disaster.
- Plan is important as all involved will have an overview of what needs to be done by recovery teams during initiation of disaster recovery.

Planned DR

- DR is only initiated when there is impact to business and it is something that does not happen often.
- DR drill is important to allow the recovery team to initiate the DR plan and see if the plans needs any update.
- Planned DR is also important to test DR site and to test if the DR will be successful or otherwise.

Keeping DR process as simple as possible

DR Process can be painstakingly difficult to undertake as there are many variables that need attention and it will impact downtime during a DR.



Windows Server 2019 has simplified DR implementation and management using the FREE virtualization technology which is embedded into the OS.

Windows Server 2019 out of the box DR capable tools

HYPER-V REPLICA

STORAGE REPLICA

HYPER-V REPLICA

It's a tool that can be configured when HYPER-V role is enabled in the server.

Hyper-V replica doesn't need any additional licences.

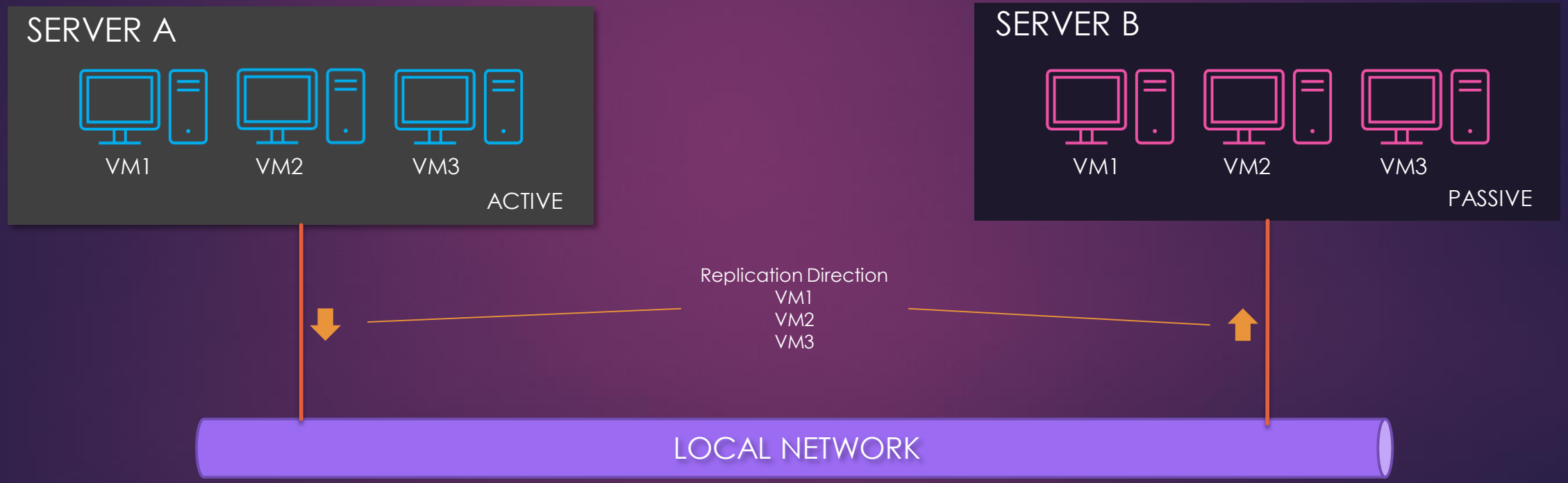
This allows fast recovery of VM and consist of 2 main scenarios:

- Server to server in same DC *same Geo-Location
- Server to server in between DC *different Geo-Location

Enable movement of VM from Server to another Server and works as Active Passive solution.

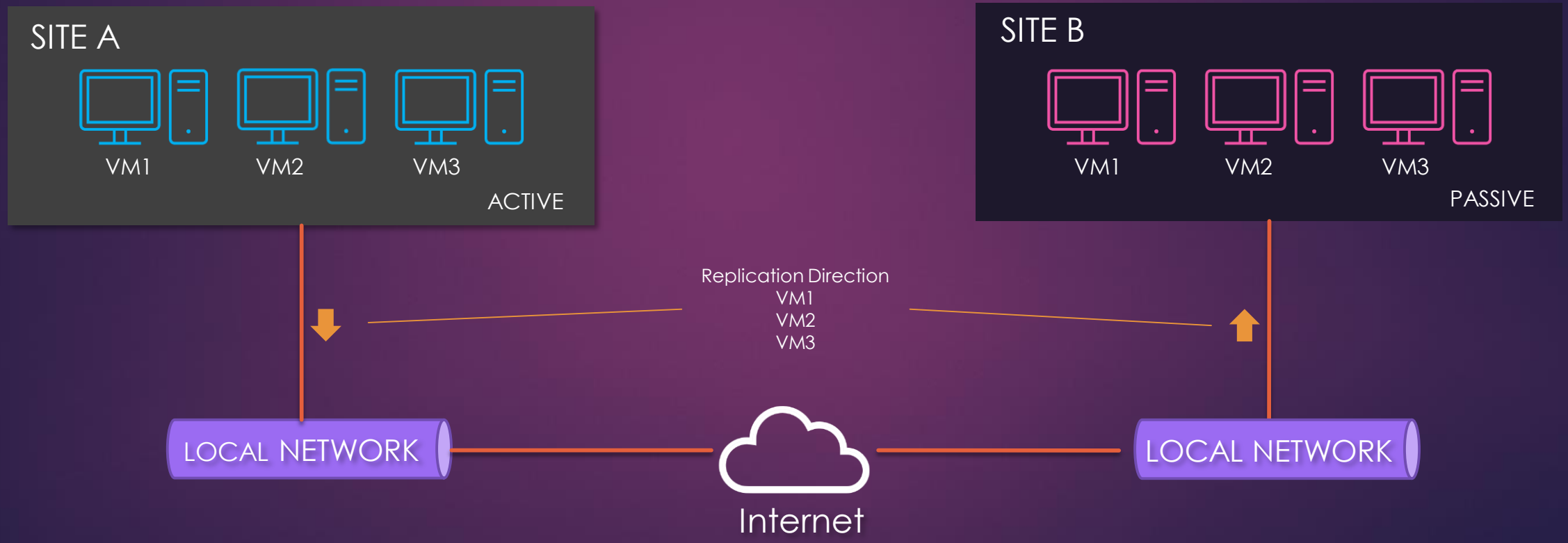
HYPER-V REPLICA

Same Geo-Location



HYPER-V REPLICA

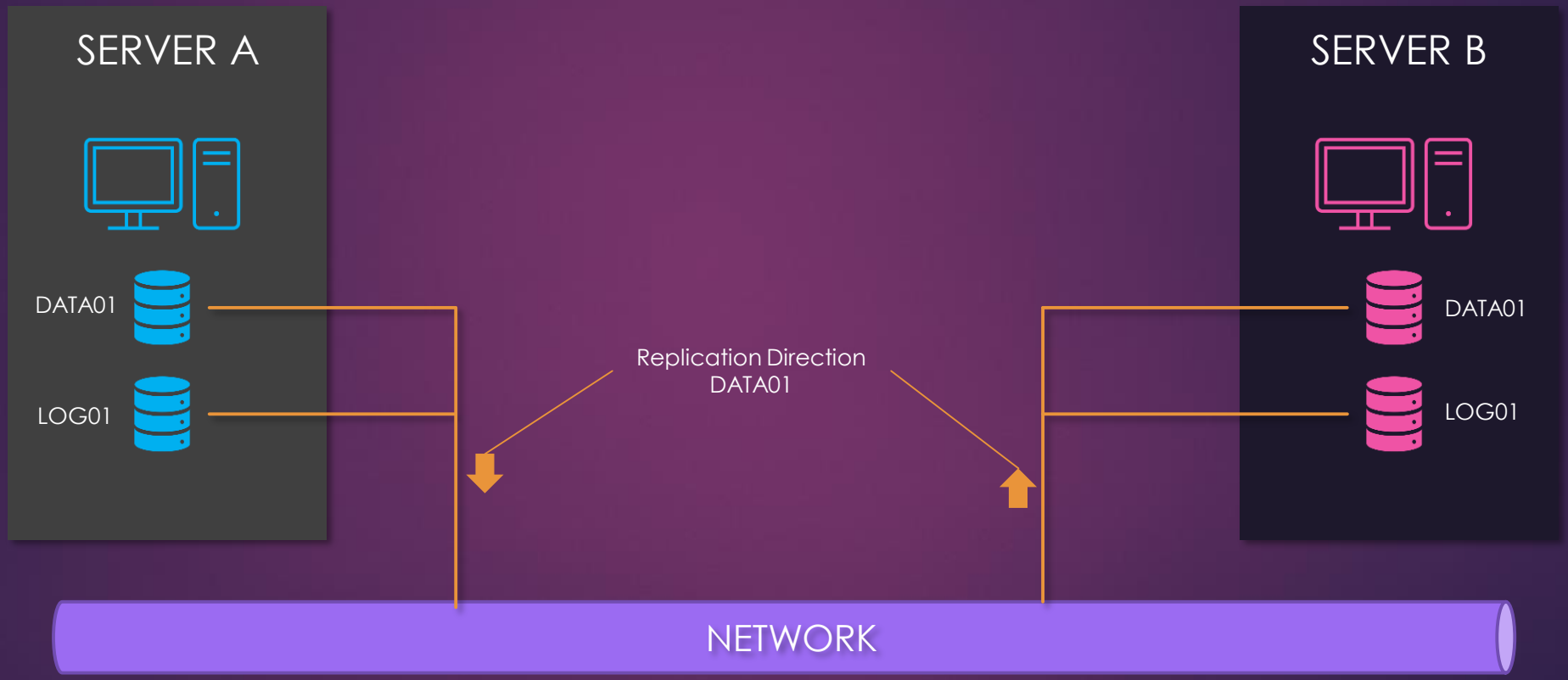
Different Geo-Location

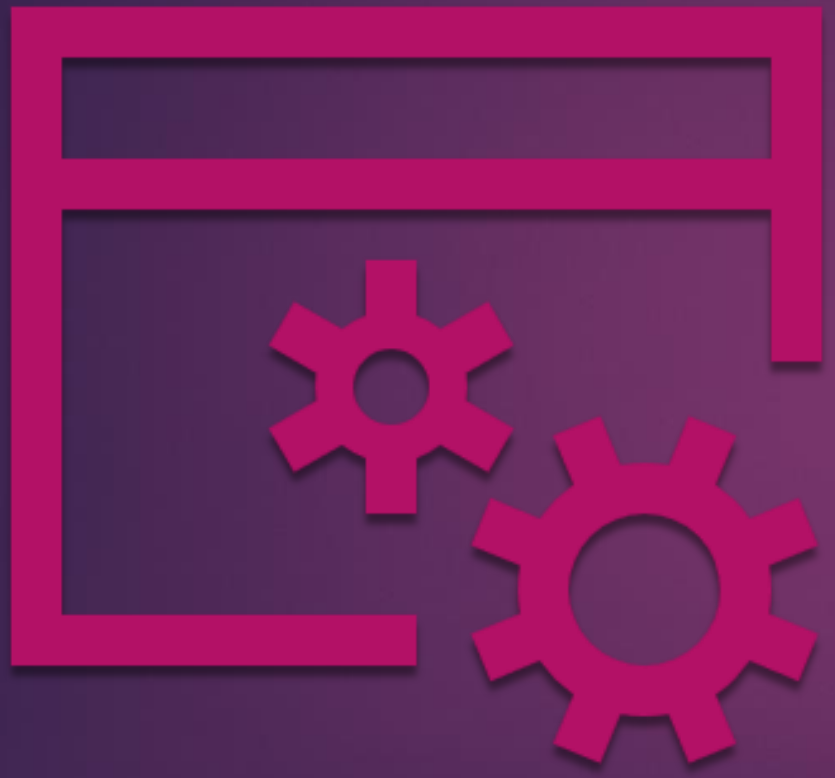


STORAGE REPLICA

- It's a tool that can be enabled in Windows Server 2019.
- It enables Volume replication between server or between clusters.
- Does not need additional licences for this feature.
- Can support 2 types of replication
  - Synchronous replication.
    *same Geo-location
  - Asynchronous replication.
    *different Geo-location
- Enable Movement of disk content from Server A to Server B

STORAGE REPLICA





HOW to ENABLE these Features in Windows Server 2019

DEMO TIME