SYSREP Virtual Machine

SET FQDN in Workgroup Network First

SET ETC\Hosts

Install SQL Server On Nodes, Set them same Active Directory Account

Cluster Setup:

Firewall Configuration

* Open Ping Port

Set IP to Cluster Entity

Set Two NIC With Different Sub netmask (Private, Public)

Set IP With Public Network (IP)

Set Name For Your Cluster, if you don’t have permission, ask Network Administrator

Set QUORUM

* File Share

Give Full Access Permission to OU of Cluster

Set Checkbox for Always On Availability Group in Configuration Manager

Define Login with Same SID

CREATE LOGIN [myuser]

WITH PASSWORD = 'mypassword',

SID = 0xEEEEEEEEEEEEEEEEEEEEEEEEEEEE40EE,

DEFAULT\_DATABASE = [MYDB],

DEFAULT\_LANGUAGE = [us\_english],

CHECK\_EXPIRATION = OFF,

CHECK\_POLICY = ON

Run Availability Group Wizard:

Cluster Type: WSFC

Set Availability Group:

* Backup Log Database
* Add Replica
* Define Listener
* Auto Seed Databases
* Test Failover On Current Node

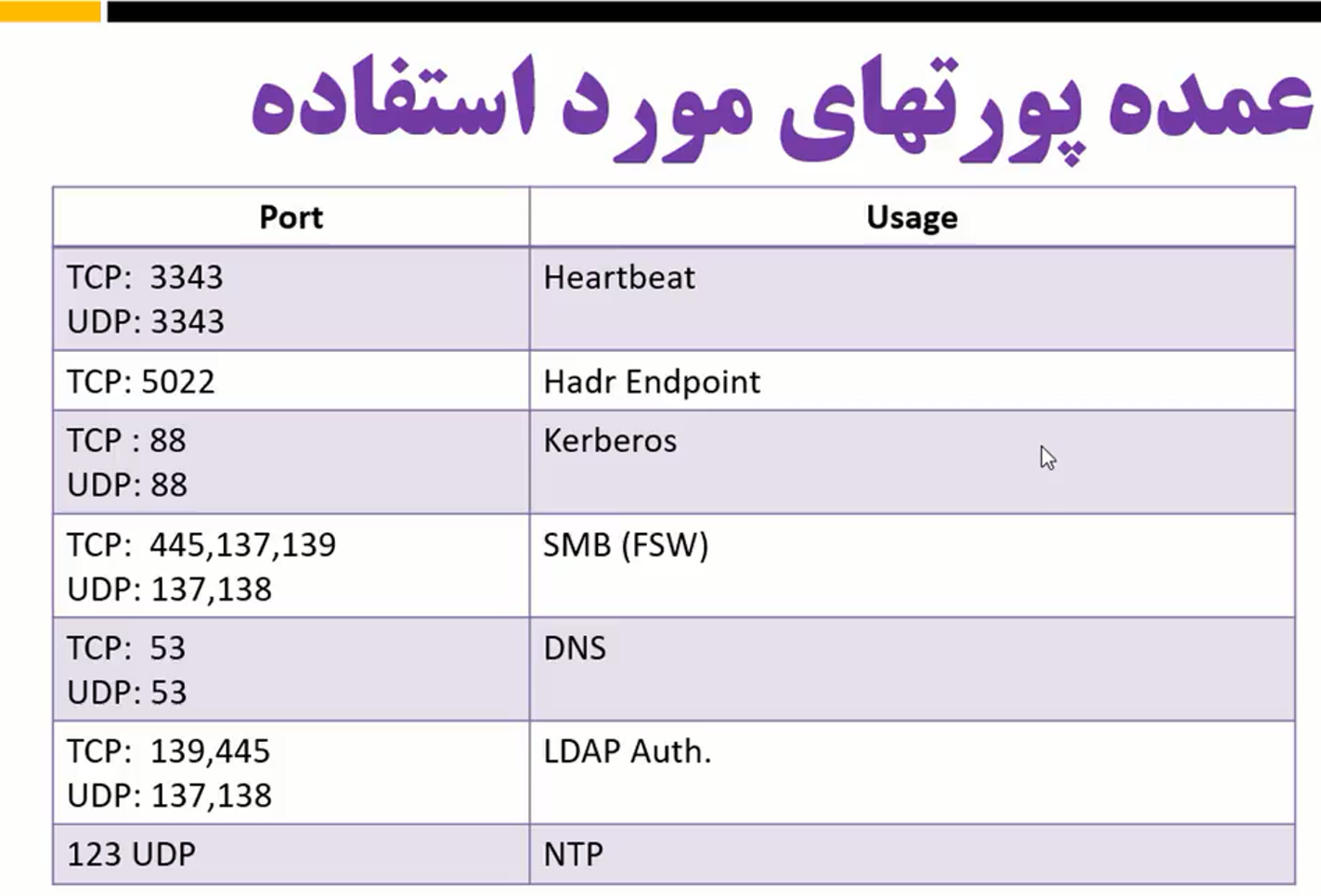
Cluster Trouble Shooting

Cluster Service Must be Run Always

(Resource Host Subsystem) Must be Run Always, is not Service(Task Manager)

C:\Windows\Cluster\Reports

PS: Get-ClusterLog



TCP: 53, 88, 137, 138, 139, 445, 3343, 5022

UDP: 53, 88, 123, 137, 138, 3343

Change TTL Time to 300

Import-Module FailoverClusters

#List different cluster resources

PS C:\>Get-ClusterResource | Select Name, ResourceType

#List parameters and their values of the SQL Server Network name

PS C:\>Get-ClusterResource "Cluster Name" | Get-ClusterParameter

#Set parameter value

PS C:\>Get-ClusterResource "Cluster Name" | Set-ClusterParameter HostRecordTTL 300

Define User With Same SID:

CREATE LOGIN [alwayson\_user] WITH PASSWORD=N'Vf94^%#1SDnh84', SID = 0x77C647182A43D2F515BFA4BF85D9BE19, DEFAULT\_DATABASE=[master], CHECK\_EXPIRATION=OFF, CHECK\_POLICY=OFF

ALTER SERVER ROLE [sysadmin] ADD MEMBER [alwayson\_user]

may be after migration and gain some money, I can invest in crypto