



41891, 42891 – CLOUD COMPUTING

LAB 3: vCENTER AND VM MIGRATION

Outline:



1

Home Drive exceeded storage quota

2

vCenter Server and VM migration

3

Network design - Lab 3 tasks

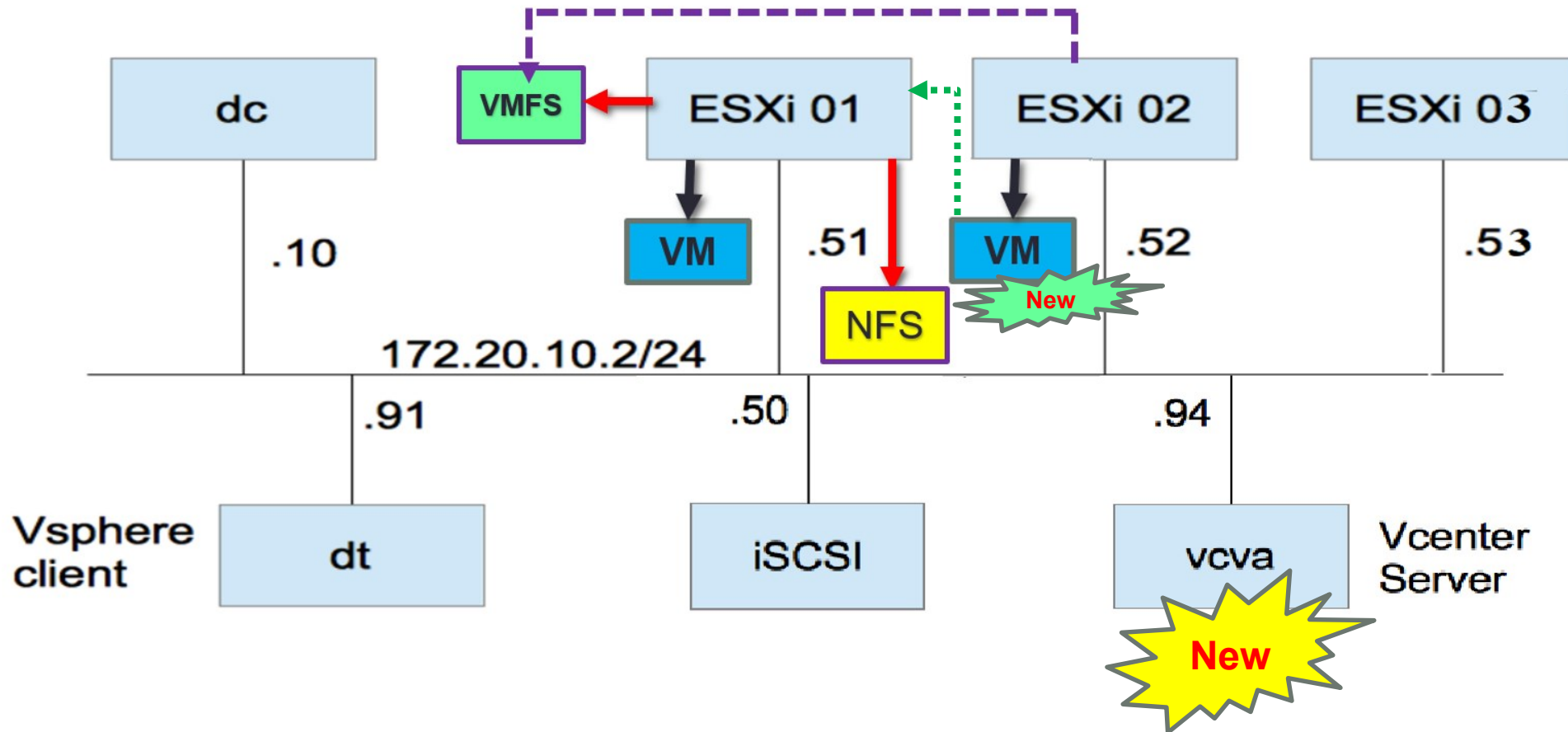
1. Home Drive exceeded storage quota [1]

You can not log in to the lab computer:

- Display: The system showed: "Memory usage exceeded" error
- Reasons: Exceed the acceptable memory in your Linux Home folder on the computer desktop. Maybe you save ESXi03 in here.
- Solutions: (1) Delete heavy files in your lab computer by doing [1]; (2) Every thing you create from now you should have to save in directory (your student ID directory in class/CloudComputing/Home/).

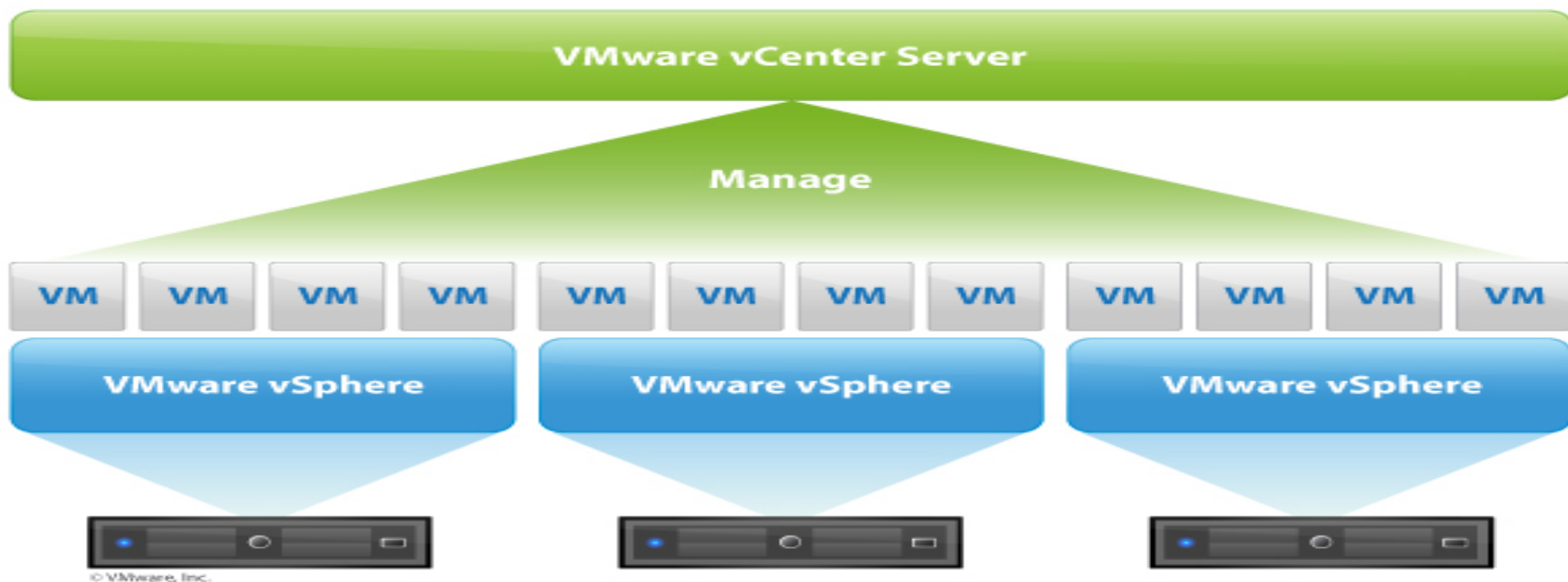
[1] https://uts.service-now.com/serviceconnect/?id=kb_article&sys_id=c5f49f6adbcd3047ad4326f7c9619bc

2. Network design for lab 3 (Week 4)



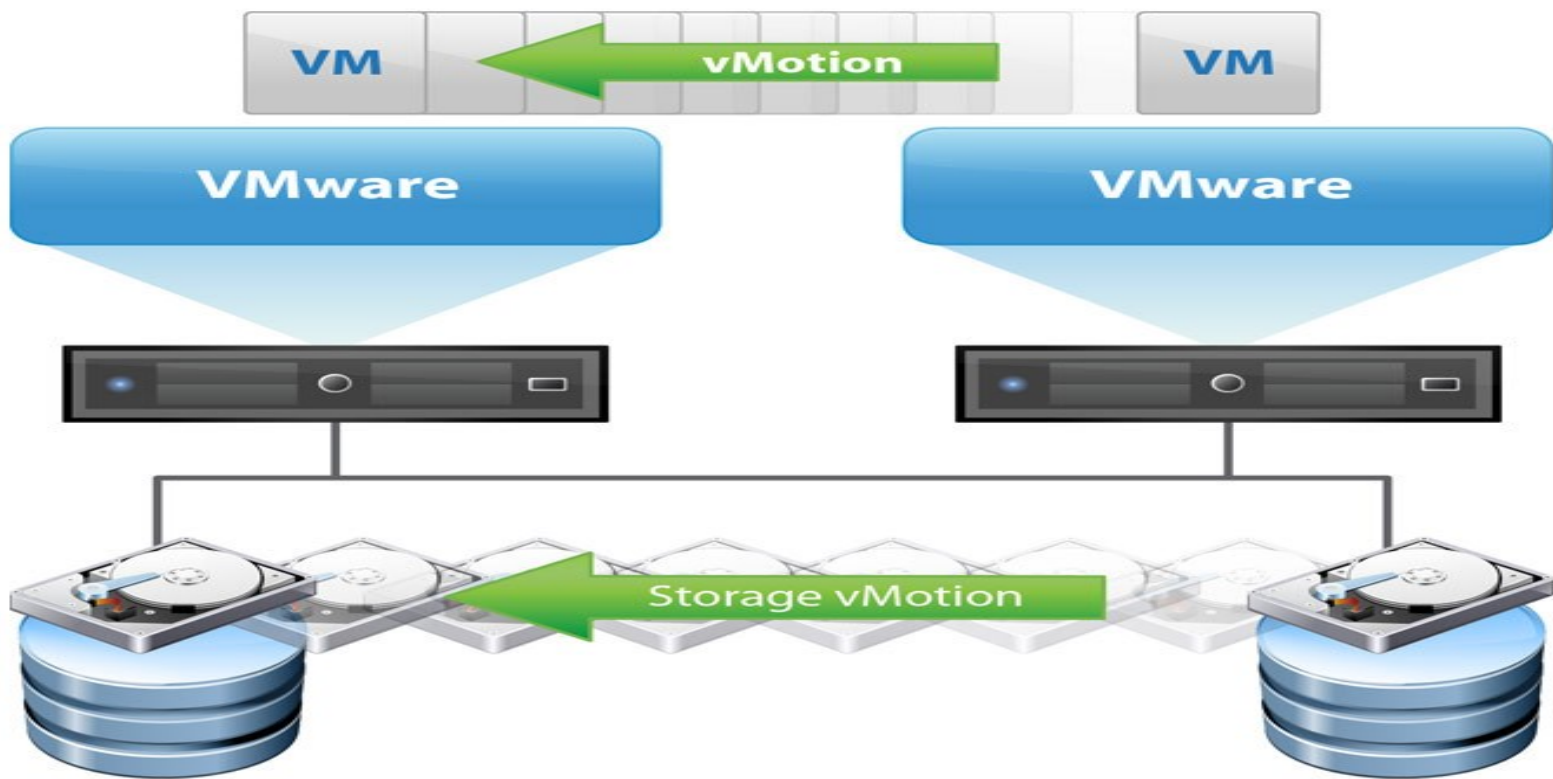
2. What is vCenter? [2]

VMware vCenter Server provides a centralized platform for managing your VMware vSphere environments.



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2. What is vMotion? [3]



[3] <http://www.mosaictec.com/tessera/what-is-vmotion.htm>

3. Main tasks for Lab 3

- ✓ **Task 1:** Configure and connect to vCenter Server
- ✓ **Task 2:** Connect two hosts to your vCenter
- ✓ **Task 3:** Migrate VM to shared storage “Change Datastore”
- ✓ **Task 4:** vMotion to “Change Host” for a VM

THANK YOU!

Question & Answer

vMotion configuration

Configure ESXi host:

1. Permit to use vMotion (enable vMotion)
2. Satisfy the demand of shared storage server (source host and destination host can access the same storage server in the SAN)
3. Satisfy the network demand (configure specific VMKernel port to process vMotion traffic, and same subnet, consistent virtual devices)

Common error

- Enable vMotion on EXSi hosts
- Shared storage
- CD/DVD drive
- Port group (Week 5)|