

Lab 5 Network Sharing & Permissions

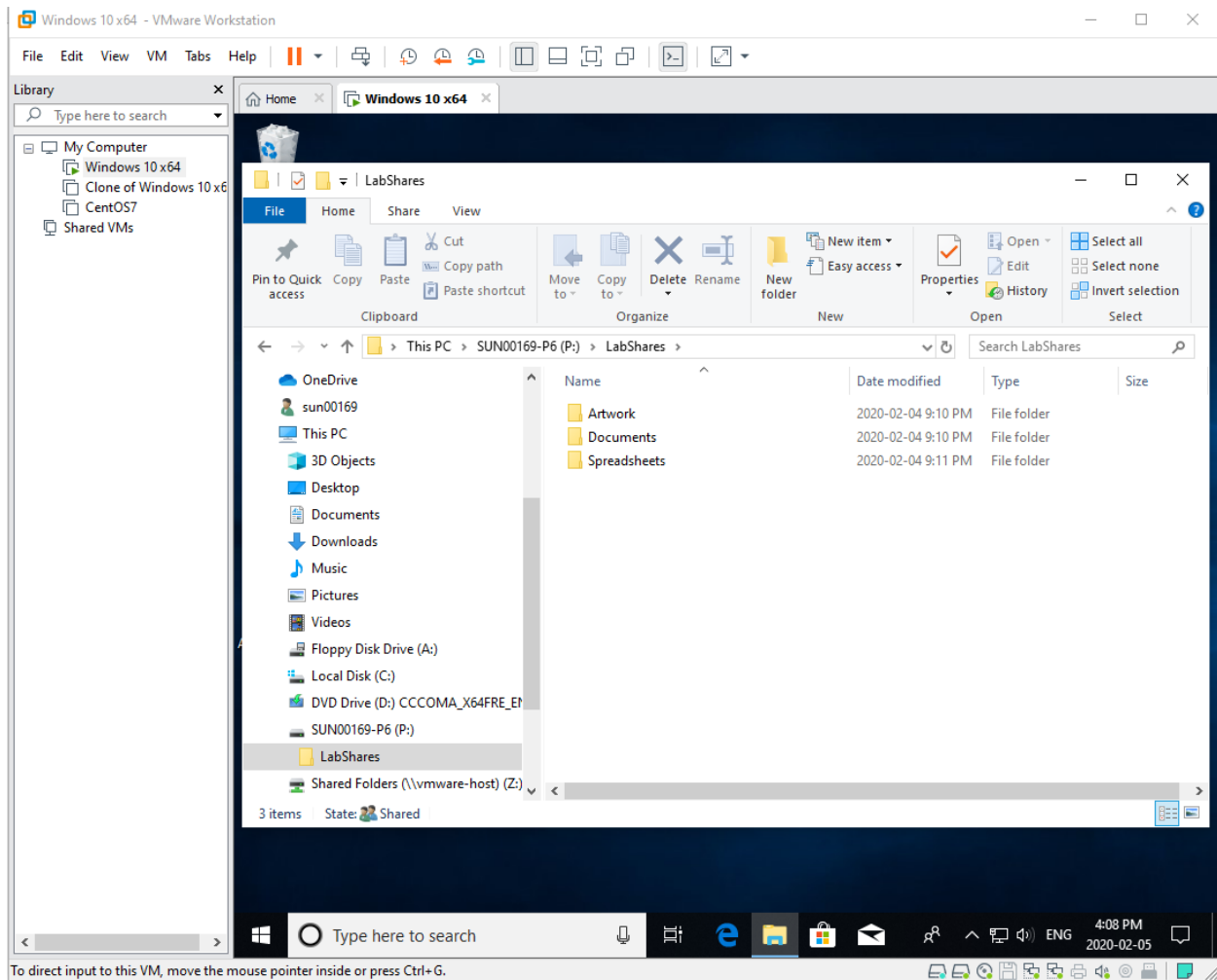
Christina Sun

Sun00169@algonquinlive.com

Date: Feb 11, 2020

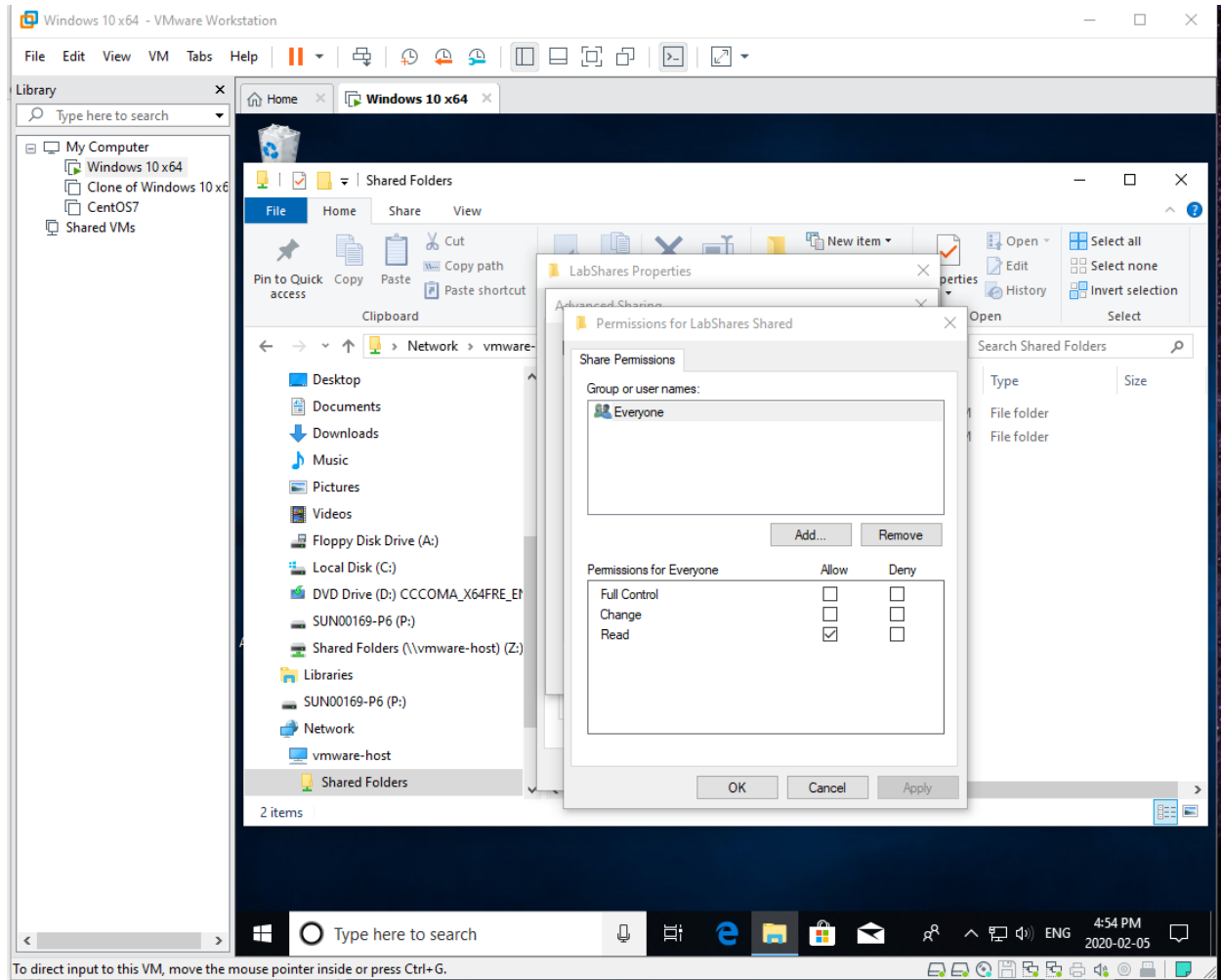
Time to do this lab: 8 hrs

%1 Screenshot for folders created of new FAT32 drive T



#2 The network path for LabShares is \\W10-SUN00169\Shared

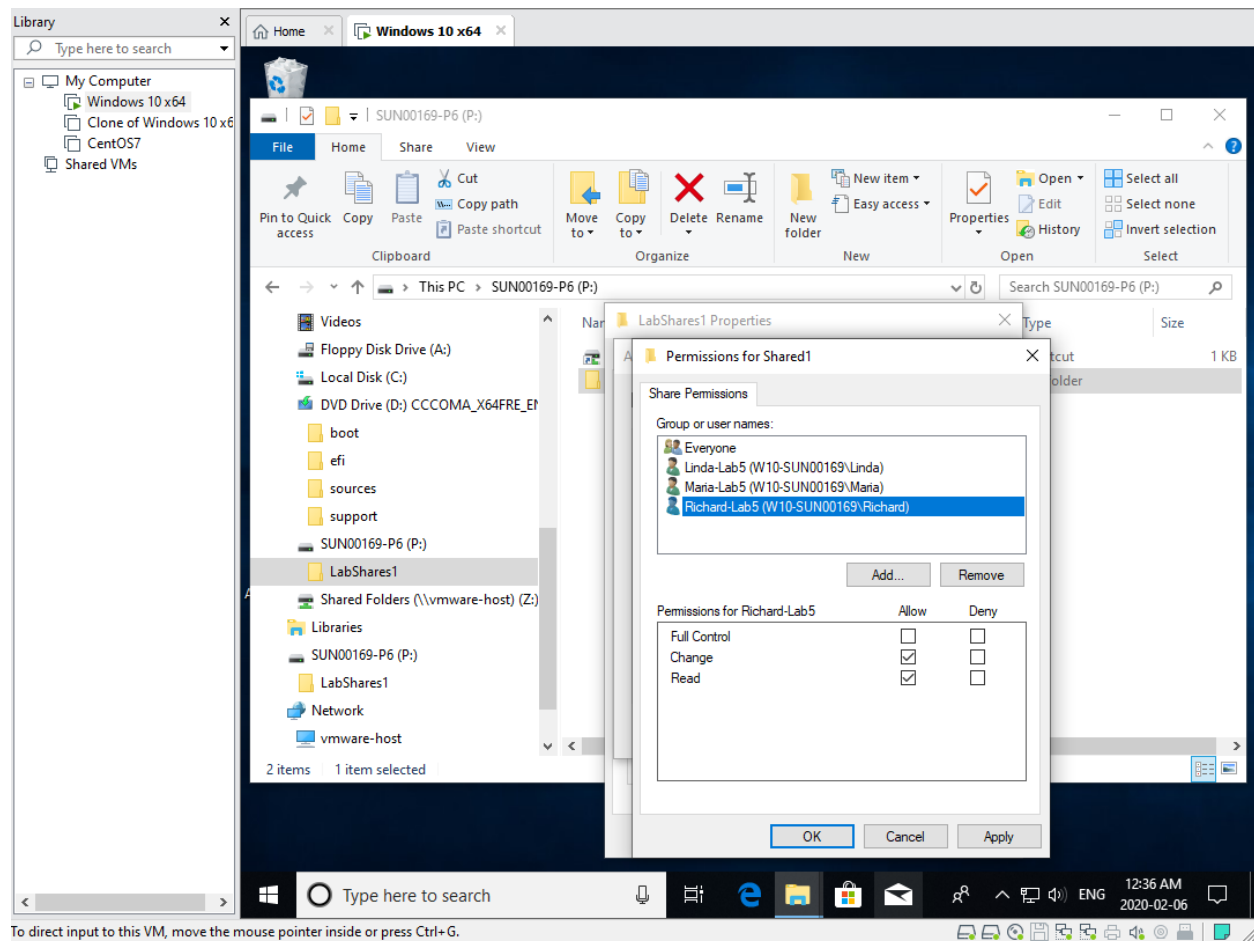
%3 Screenshot for Permission of LabShares Folder



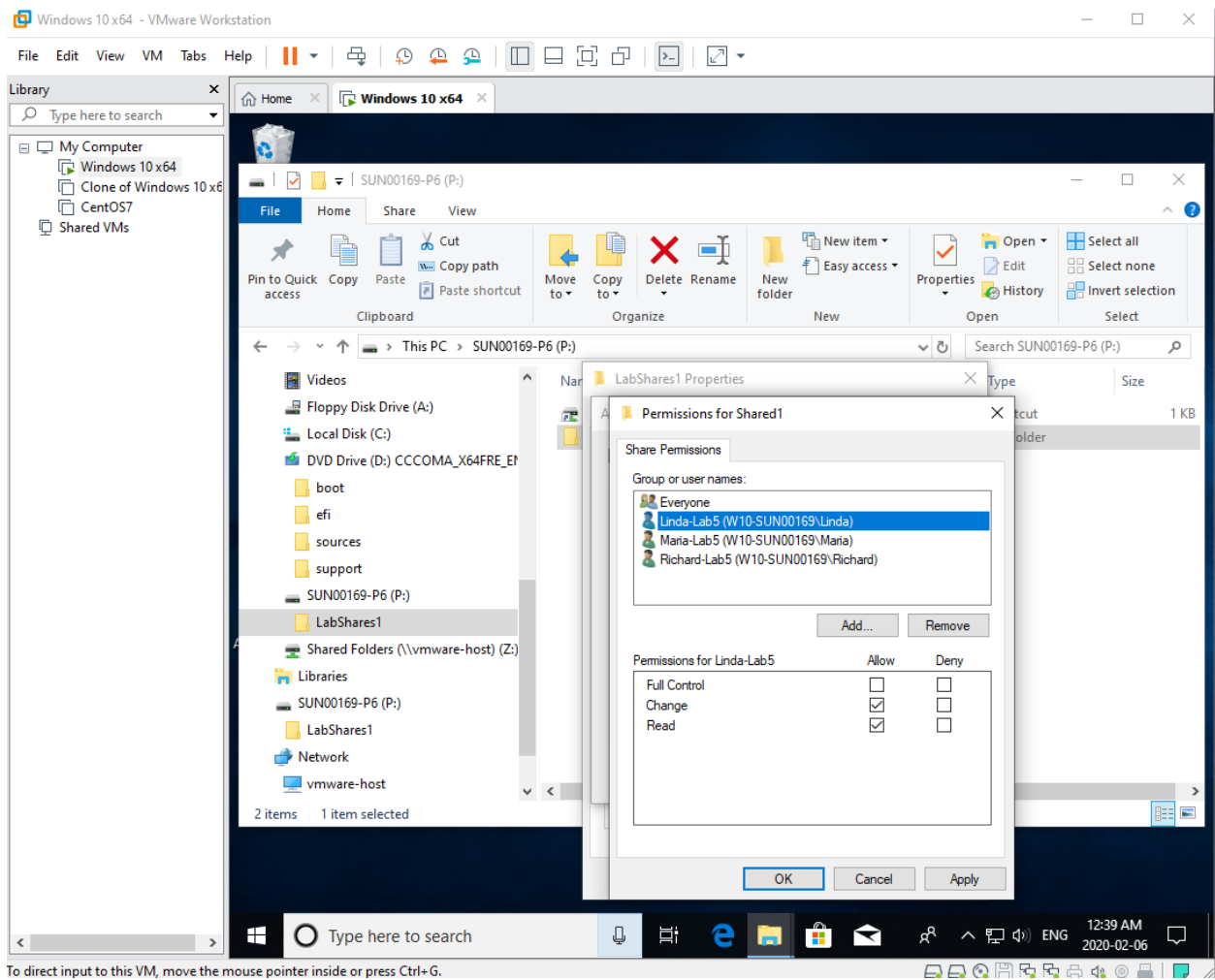
Only Read permission

Name/Assignment	Allow	Deny
Richard	Change	
Linda	Change	
Maria	Read	

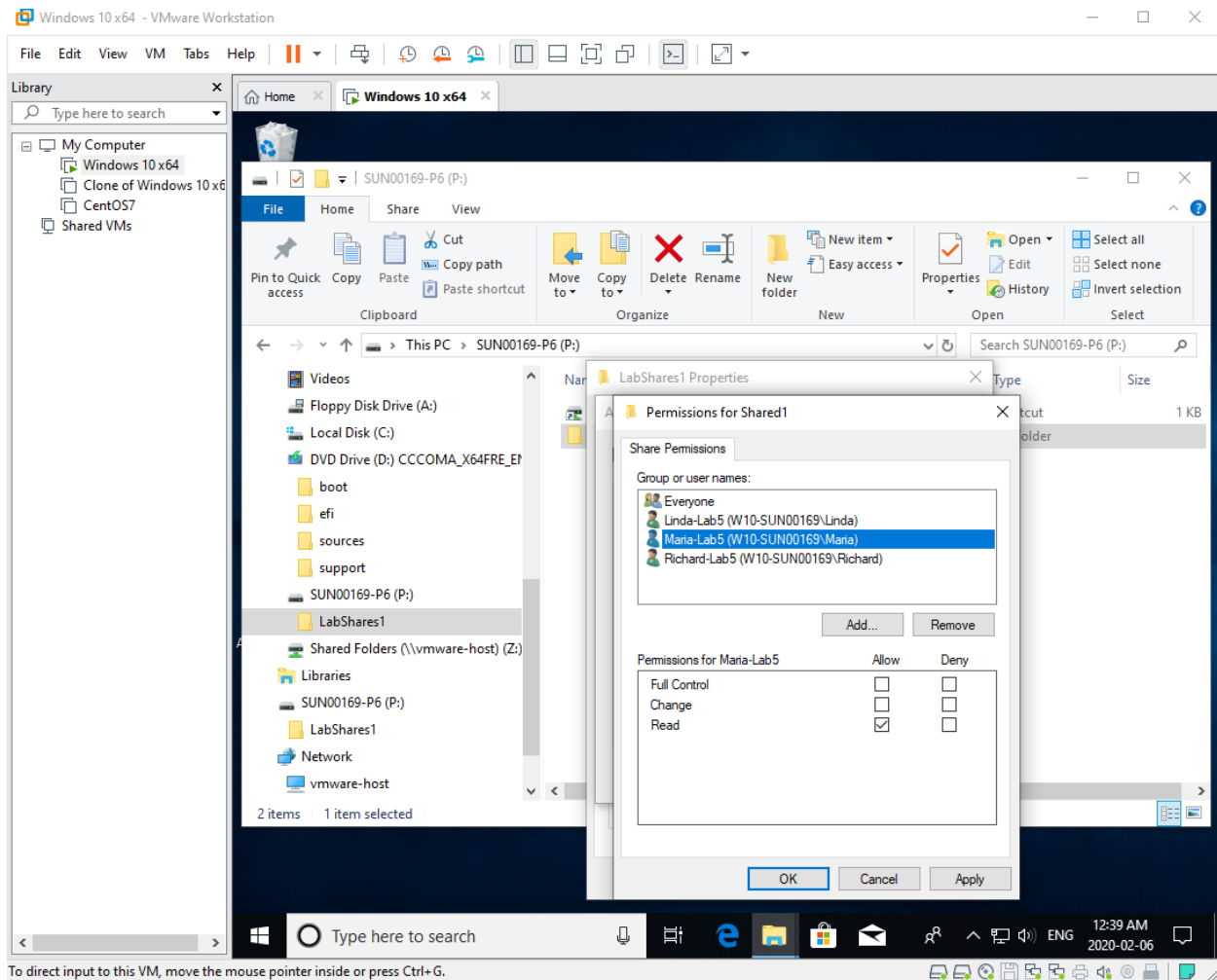
%4 Screenshot for Richard permission set up



%5 Screenshot for Linda Permission Set up



%6 Screenshot for Maria permission set up



Under following access permission for Shared

Name/Assignment	Allow	Deny
Richard	Change	
Linda	Change	
Maria	Read	

Log in each user Richard, Linda and Maria, create and read in various subfolders

#7 Richard and Linda can create Document

#8 Richard and Linda can modify Document

#9 Richard, Linda and Maria can read Document

Name/Assignment	Allow	Deny
Richard	Read	
Linda		Change
Maria	Change	

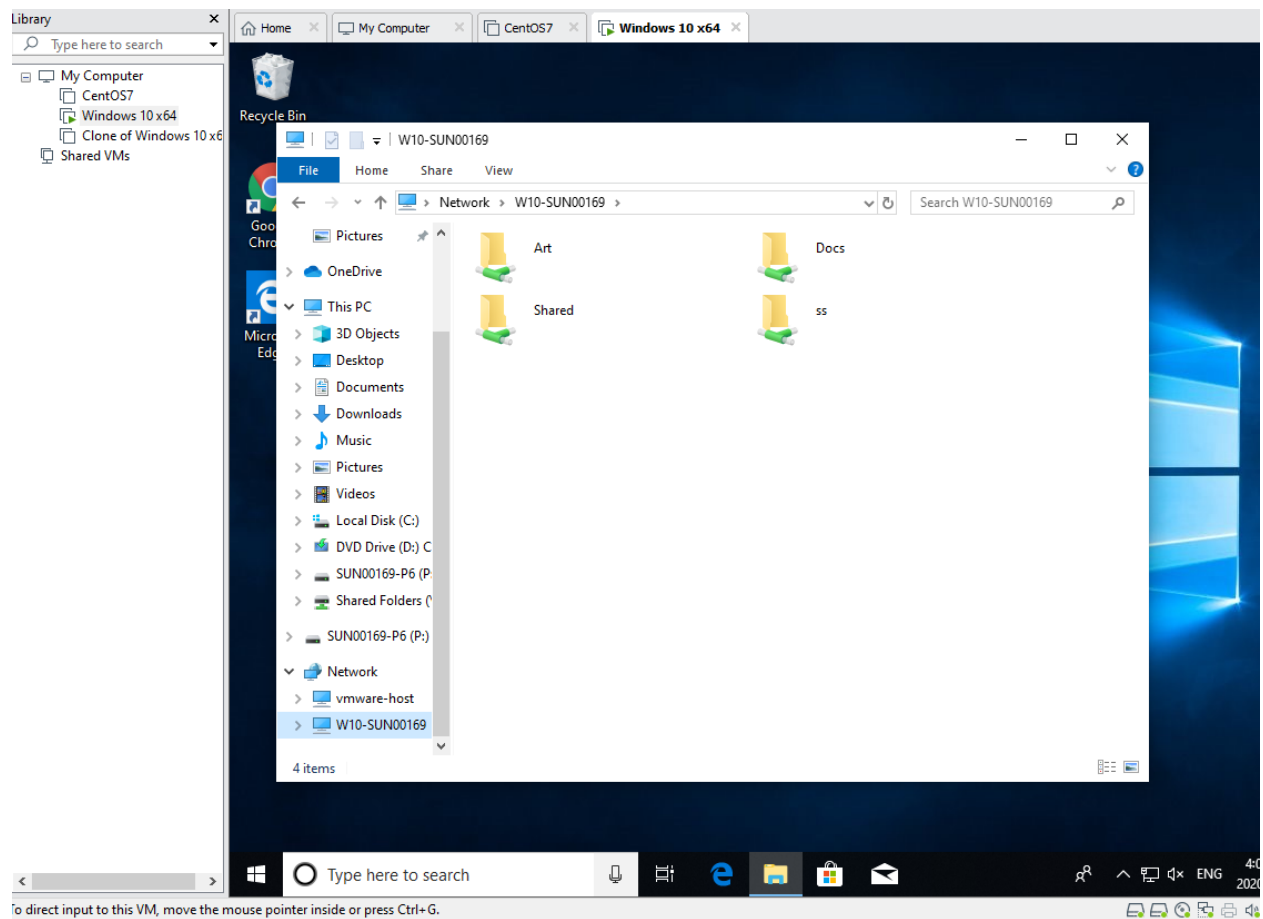
Change the permission as above and test the new permission.

#13 Maria can create Documents and folders. Linda cannot access to the entire LabShares folder, there is warning to deny to access

#14 Maria can Modify documents

#15 Maria and Richard can Read Documents

%16 Screenshot for Parent folder and each of subfolders permission modification

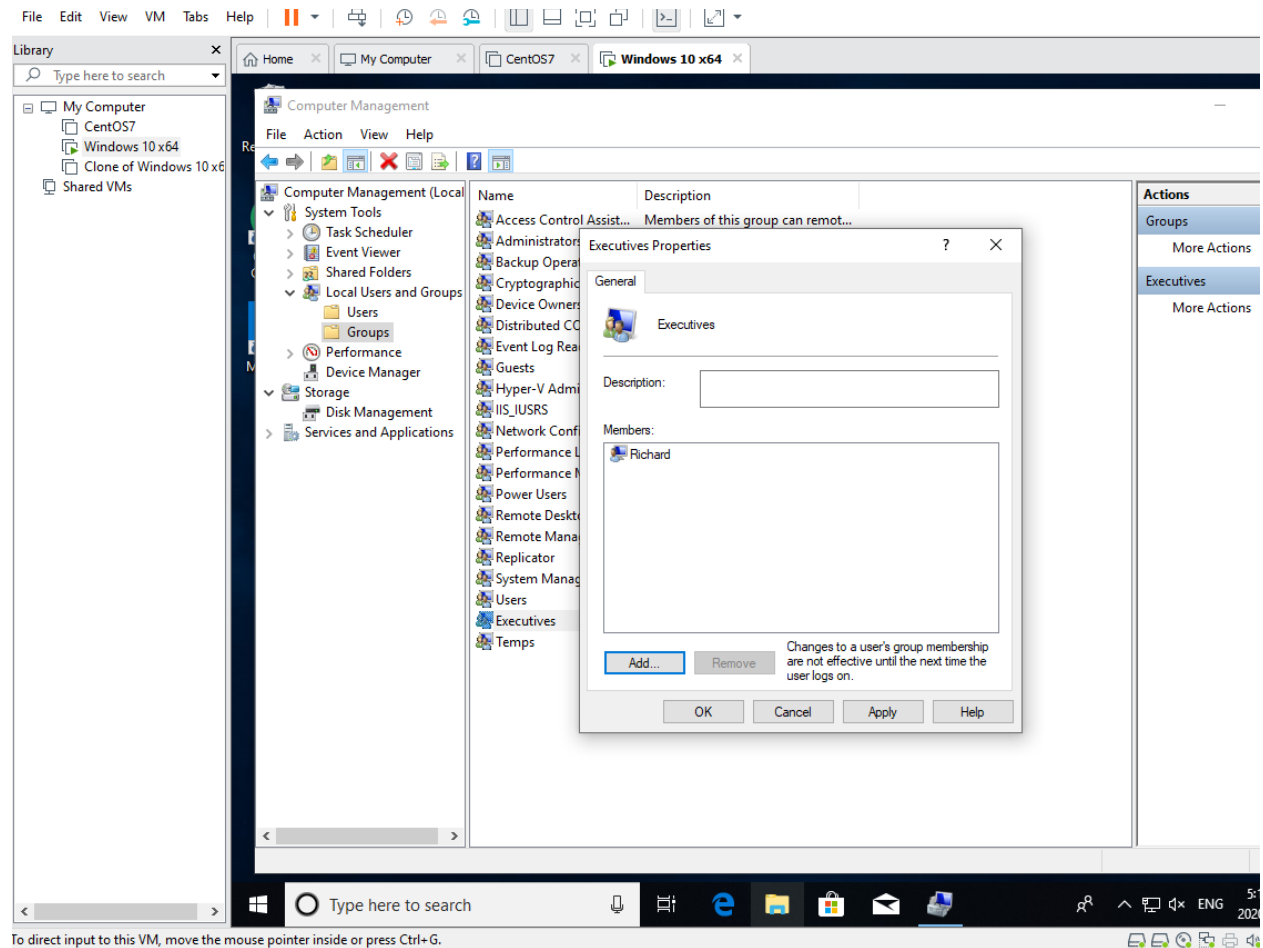


#17

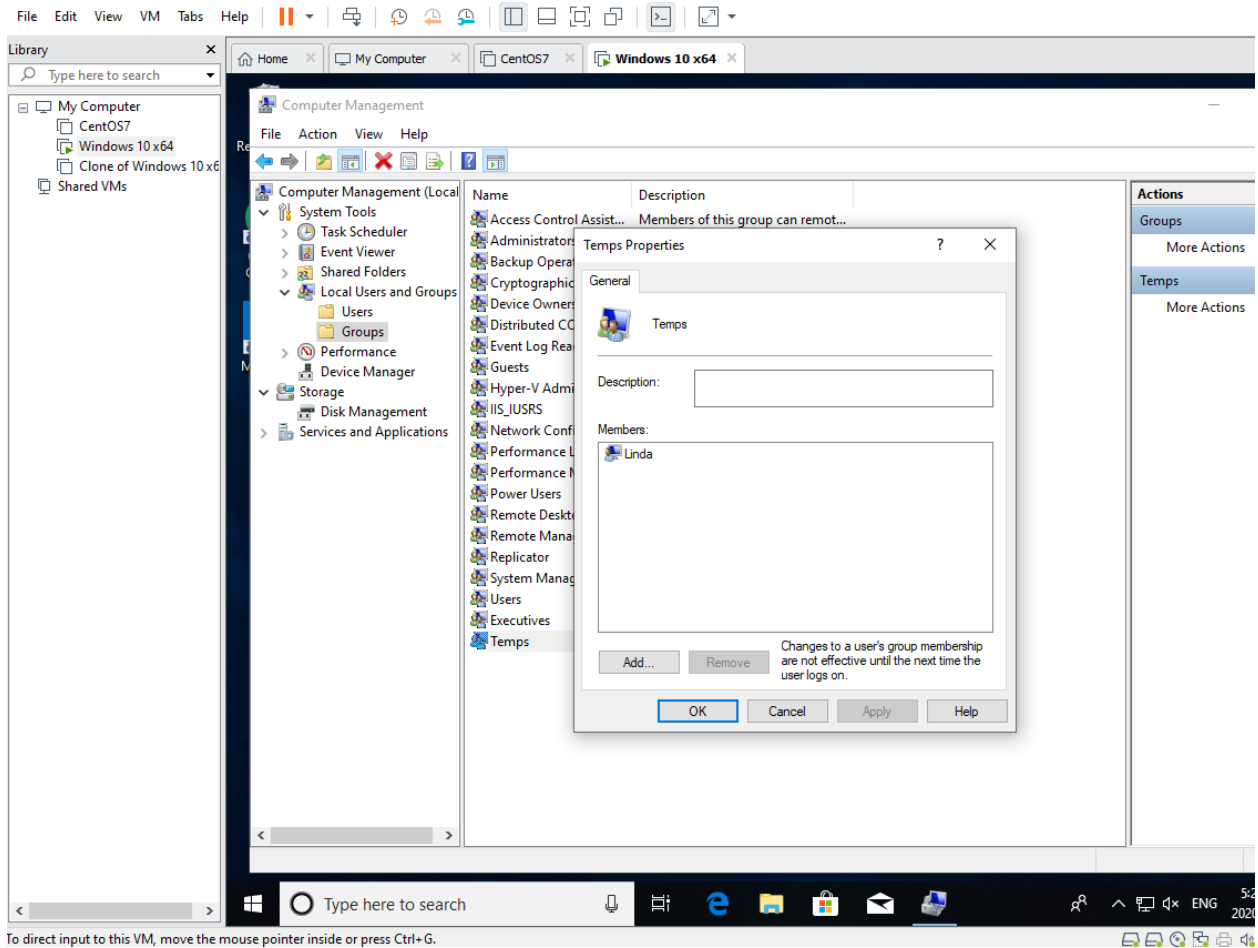
		Richard Is able to	Linda Is able to	Maria Is able to
Folder Name	Share Name			
LabShares	Shared	R M C	R M C	R M C
Documents	Docs	R	R M C	R M C
Spreadsheets	SS	R M C	R M C	Deny to Access
Artwork	Art	Deny to Access	R	R M C

#18 If the permission is assigned in Allow mode, the Change permission is the same permission features and functions. Read permission allow user to read only. However, in the Deny mode, no matter what permission is, the user cannot access to the directory or file, therefore, the user cannot do anything even though the user has been assigned the particular permission.

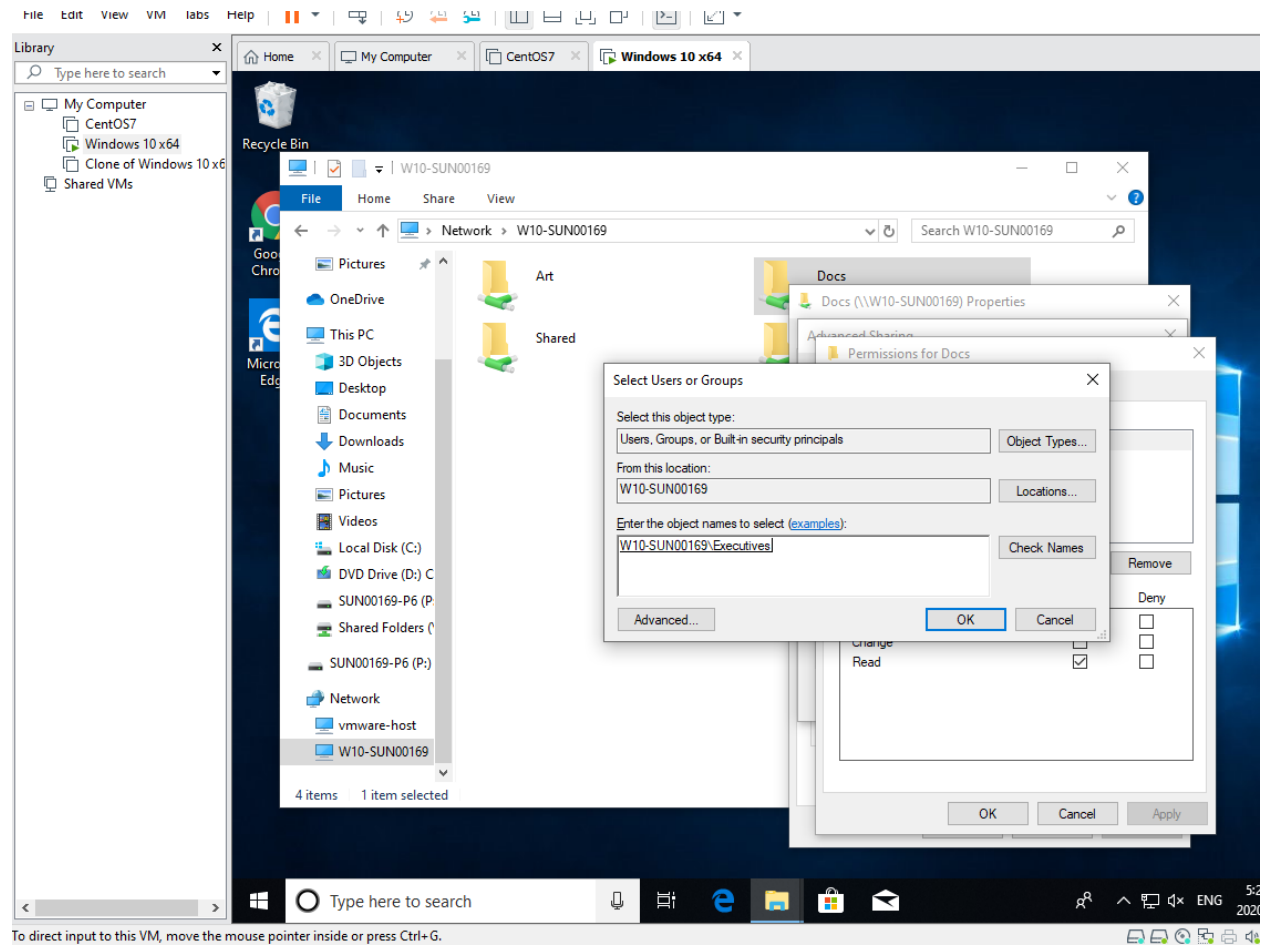
%19 Screenshot to Add Richard to Executives Group



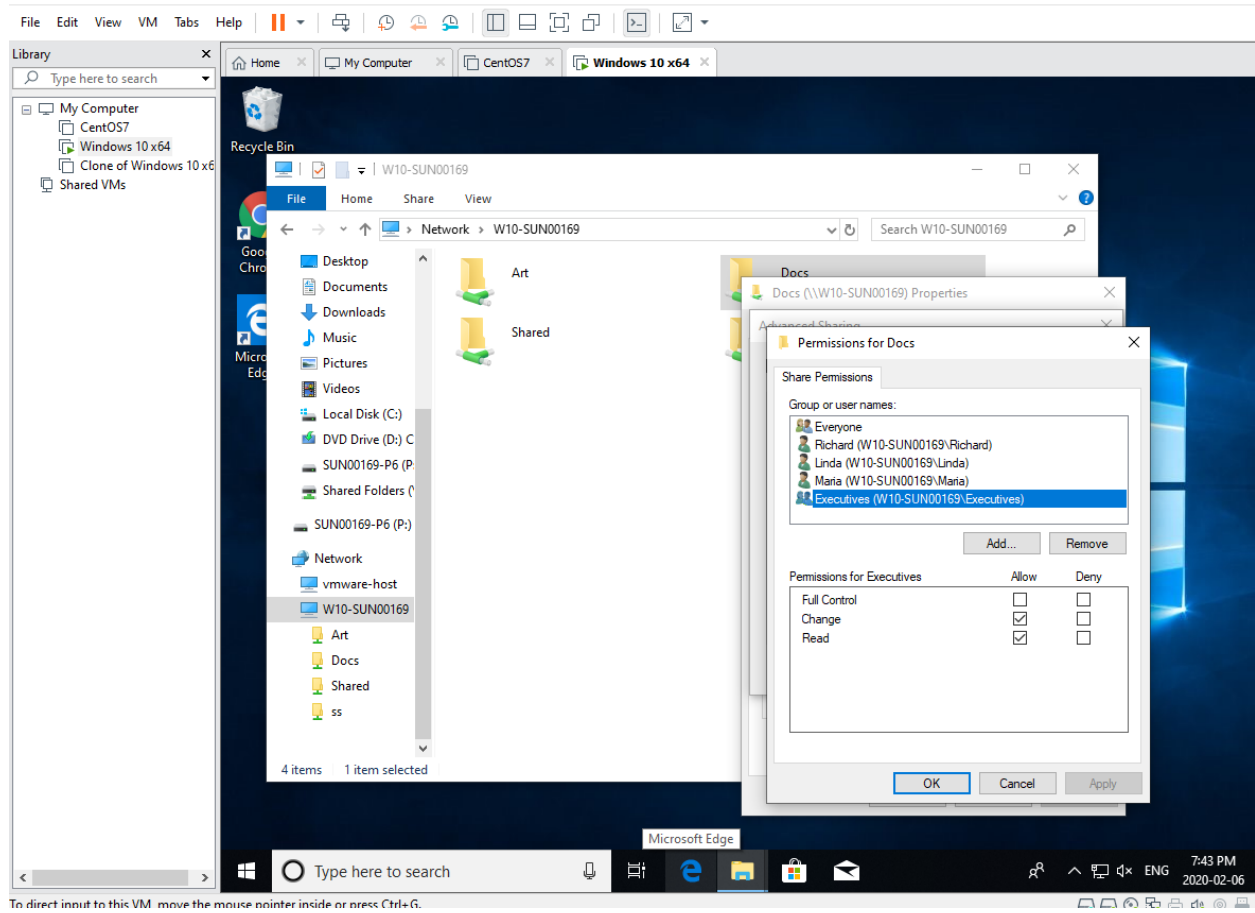
%20 Screenshot to add Linda to Temps



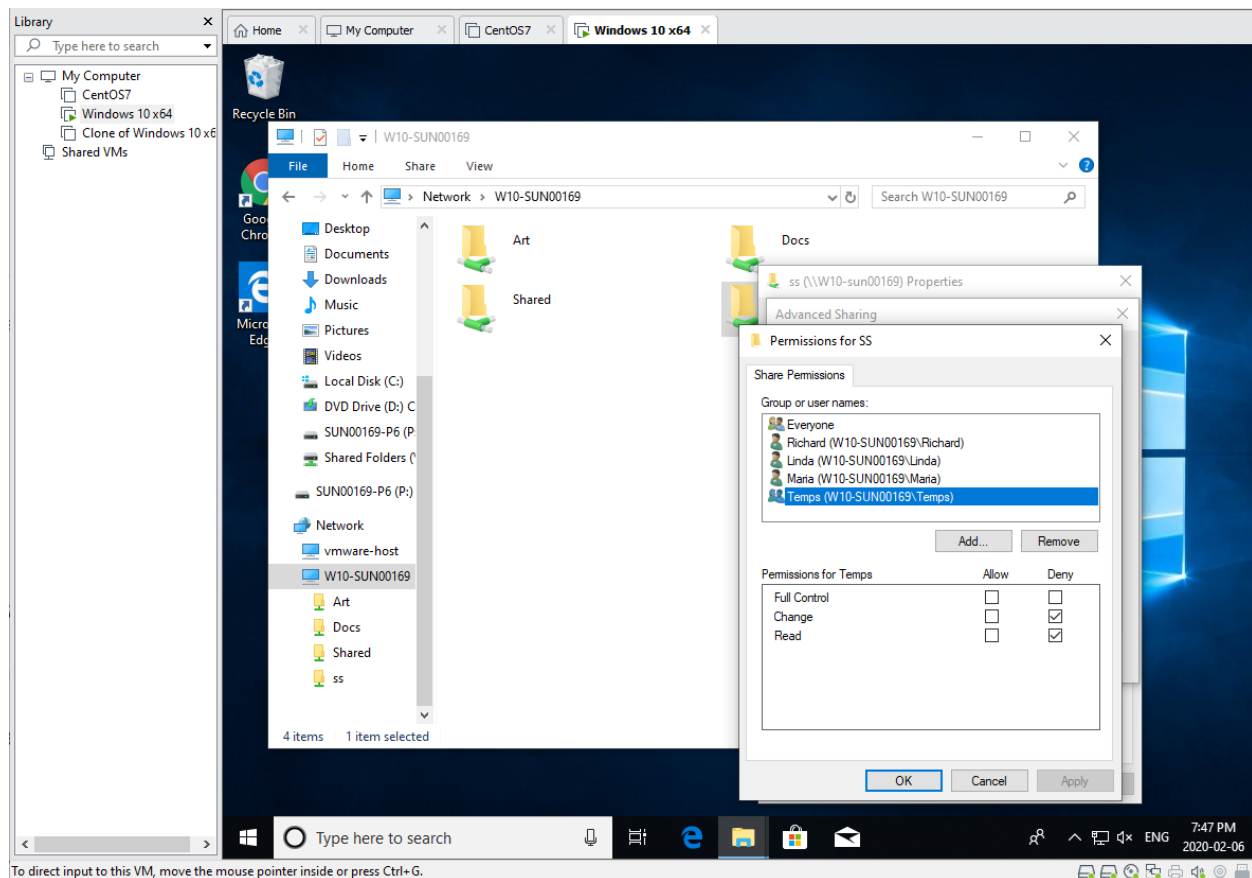
%20 Screenshot for adding Linda to Temps



%21 Screenshot for assigning Executives to Docs Share to allow Change



%22 Screenshot for assigning Temps to SS share with deny Change



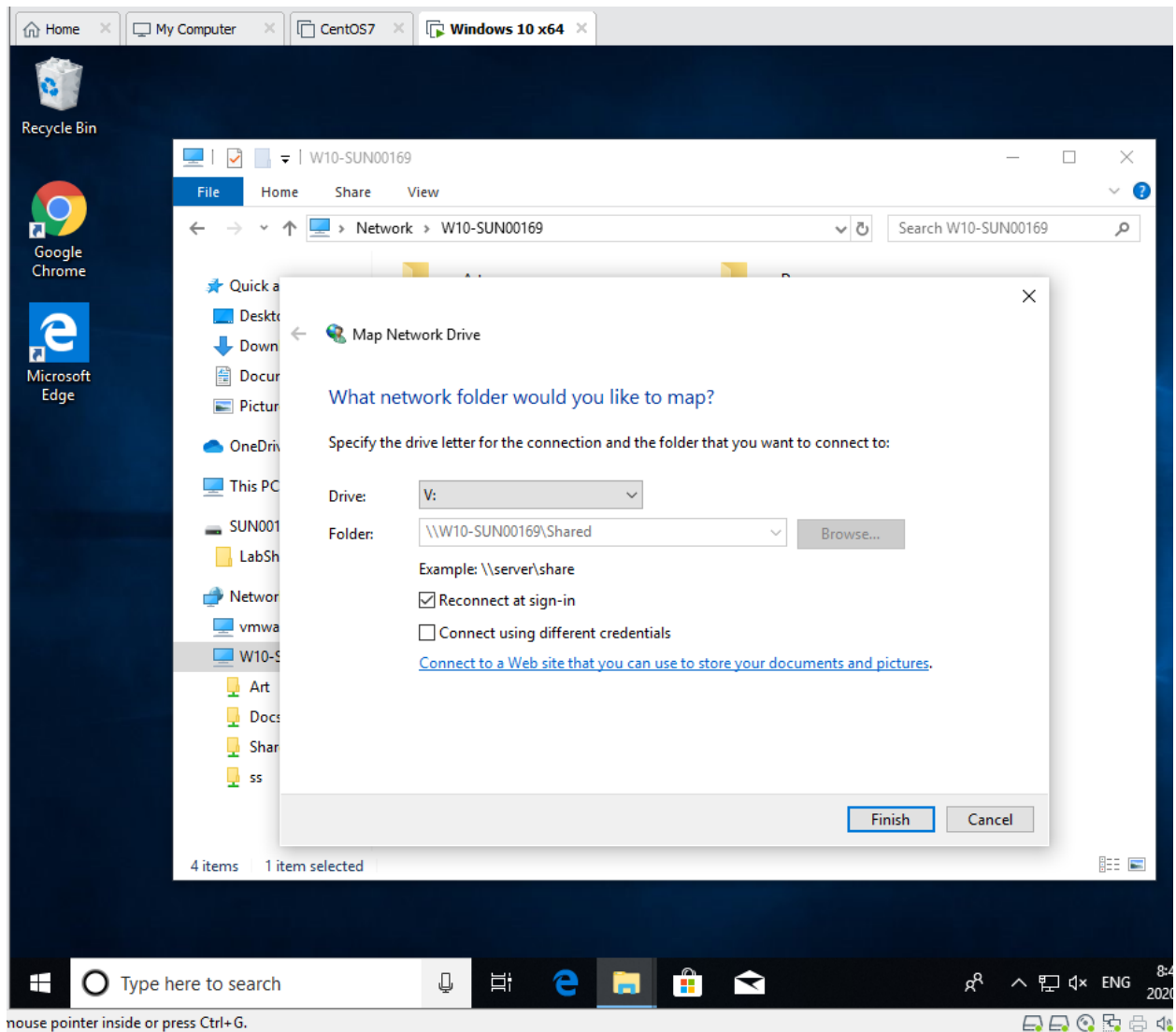
#23 Now Richard can read, write and create files and directories.

#24 Executives user group has allow Change permission, and Richard belongs to Executives. Therefore, instead of just reading in previous setting, now Richard can read, write and create files and directories.

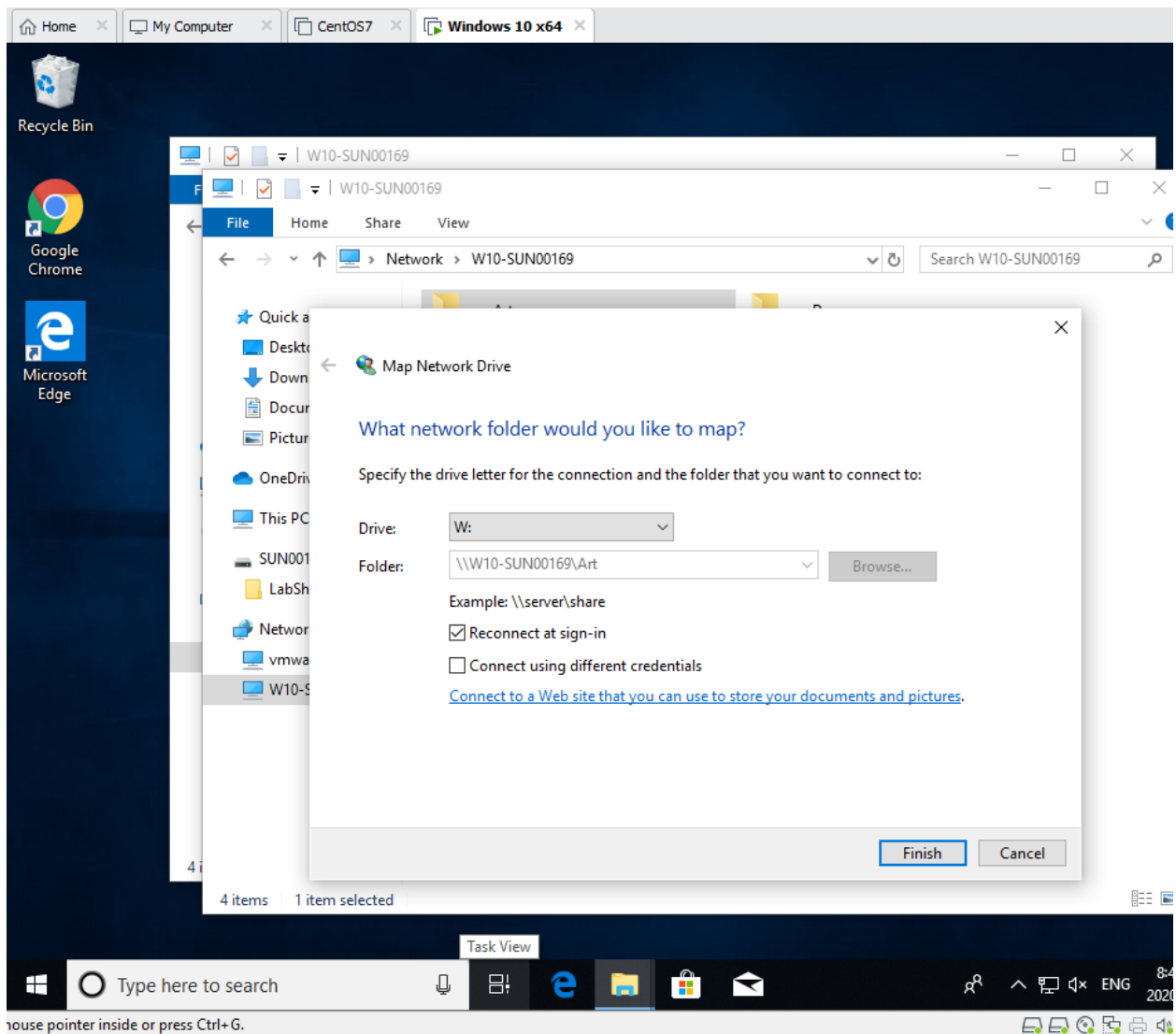
#25 Linda cannot access to the SS share. Before Linda could read, write and create files in SS share.

#26 Since Linda is added in the Temps group users, and Temps permission is deny Change to SS share, therefore, any users who belongs to Temps group including Linda cannot access SS share directory

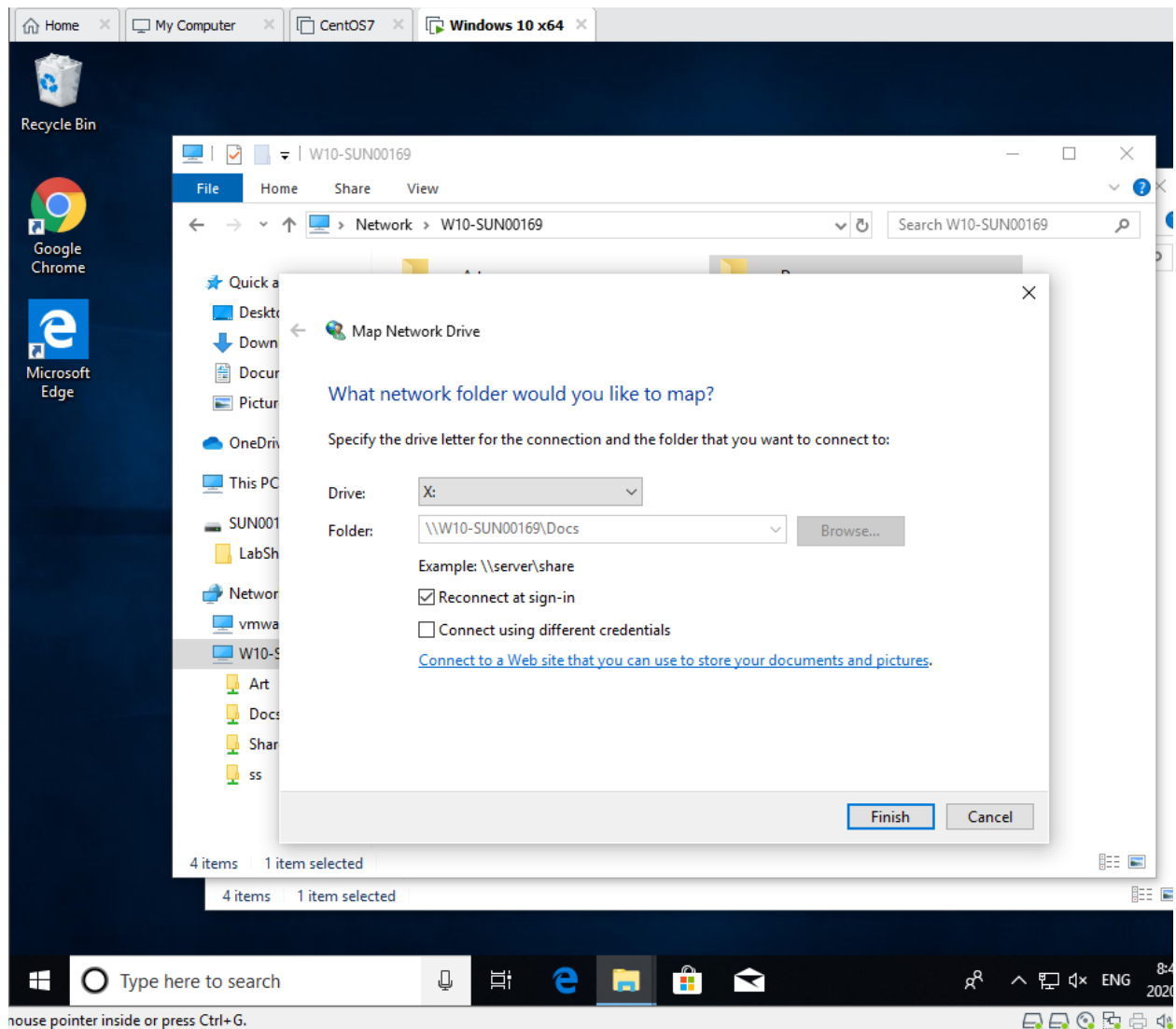
%27a Screenshot for Mapping Shared – Drive V:



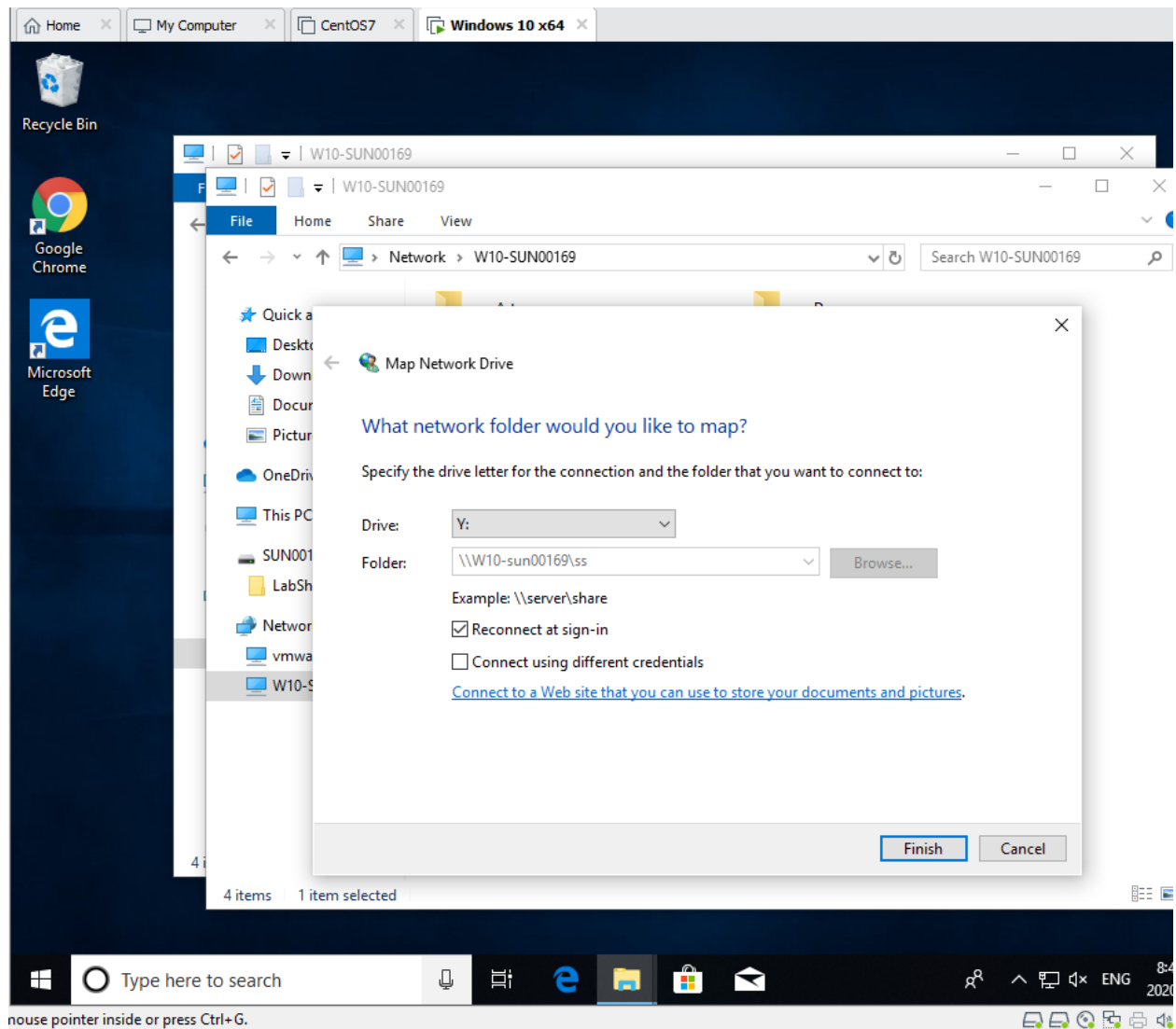
%27b Screenshot for Mapping network drive for Art -Drive X:



%27c Screenshot for Mapping network drives for Docs-Drive X

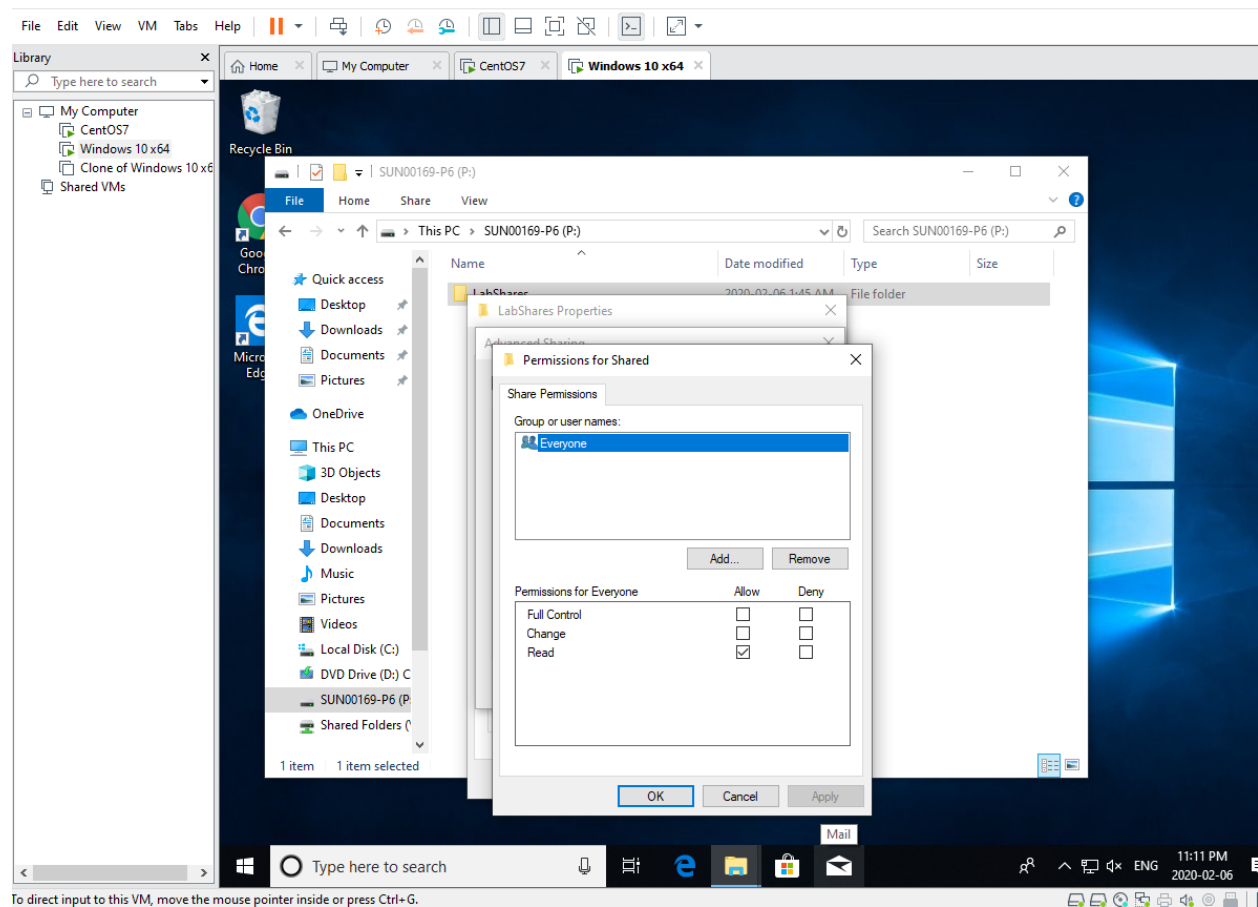


%27d Screenshot for Mapping network drives for SS Share-Drive Y

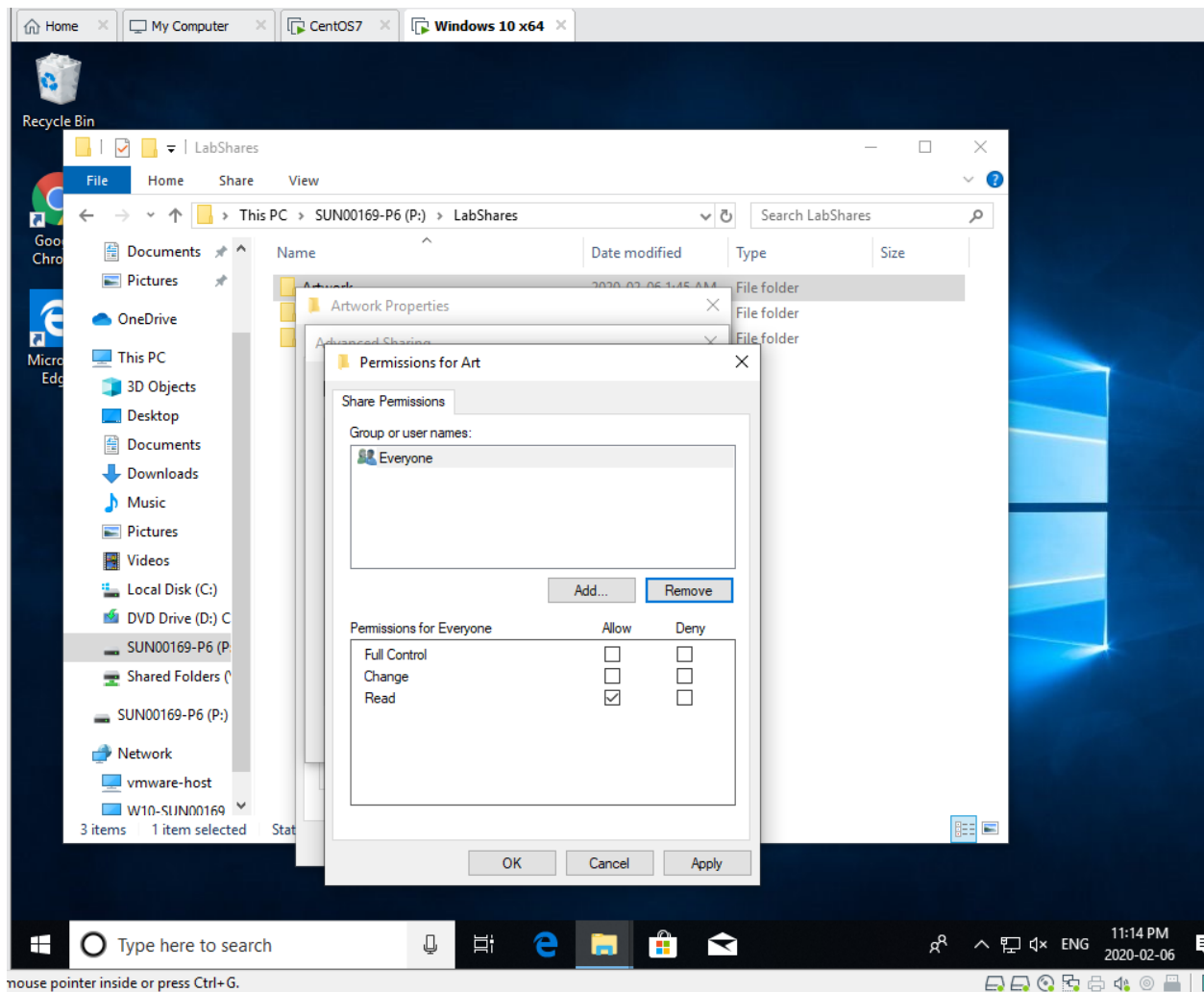


#28 Nothing has changed

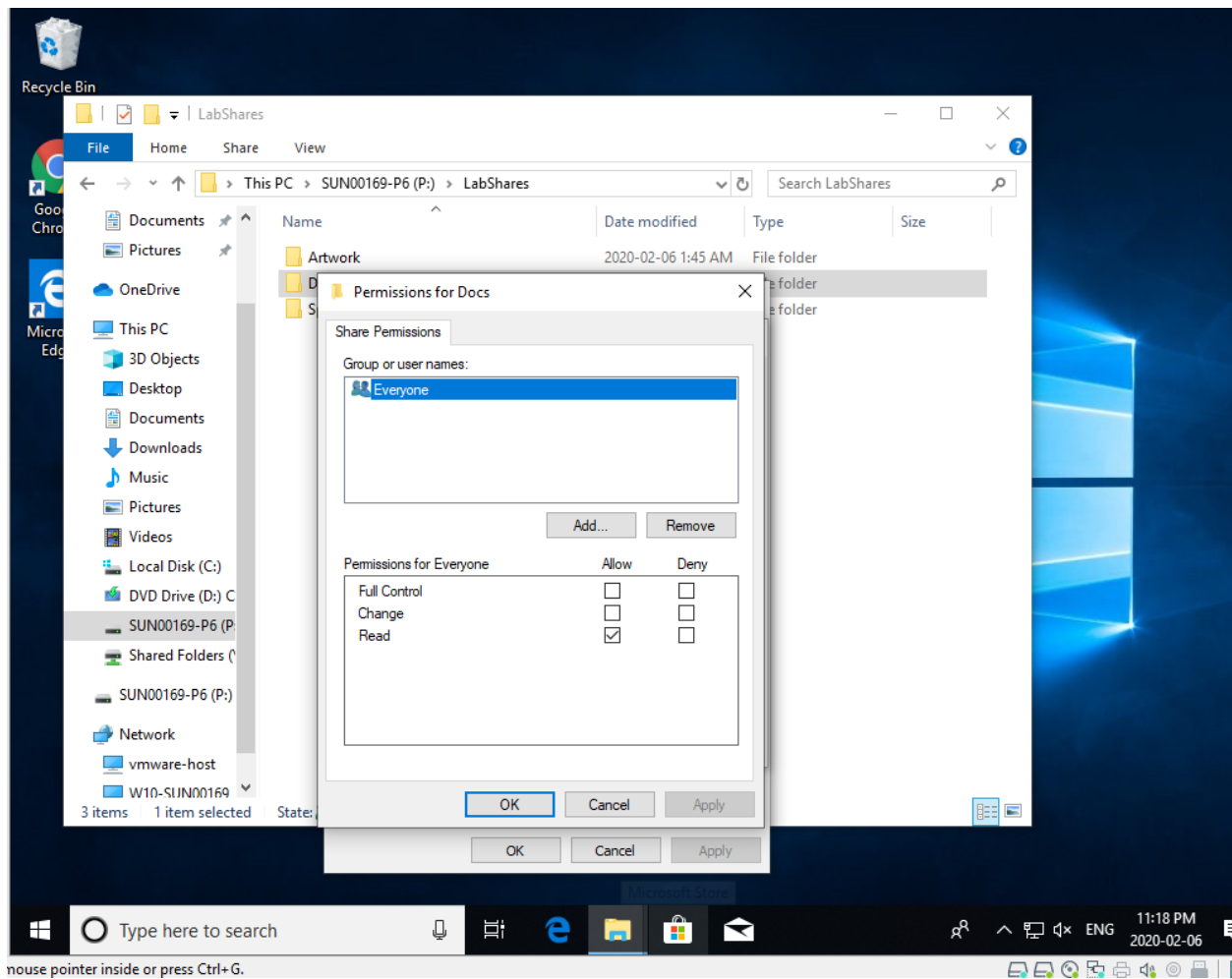
%29a Screenshot for Labshares users removal



%29b Screenshot for Art Share users removal

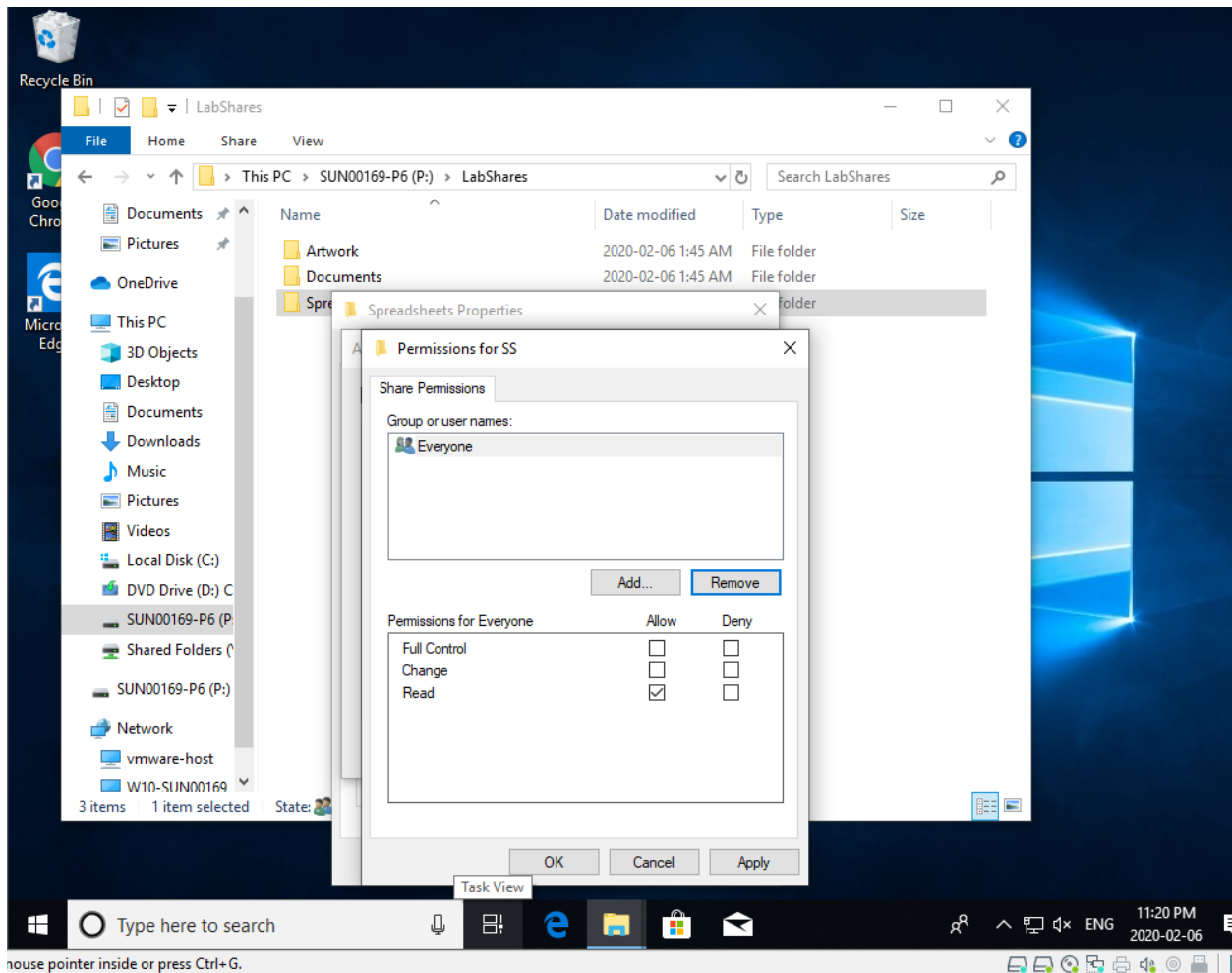


%29c Screenshot for Documents users removal

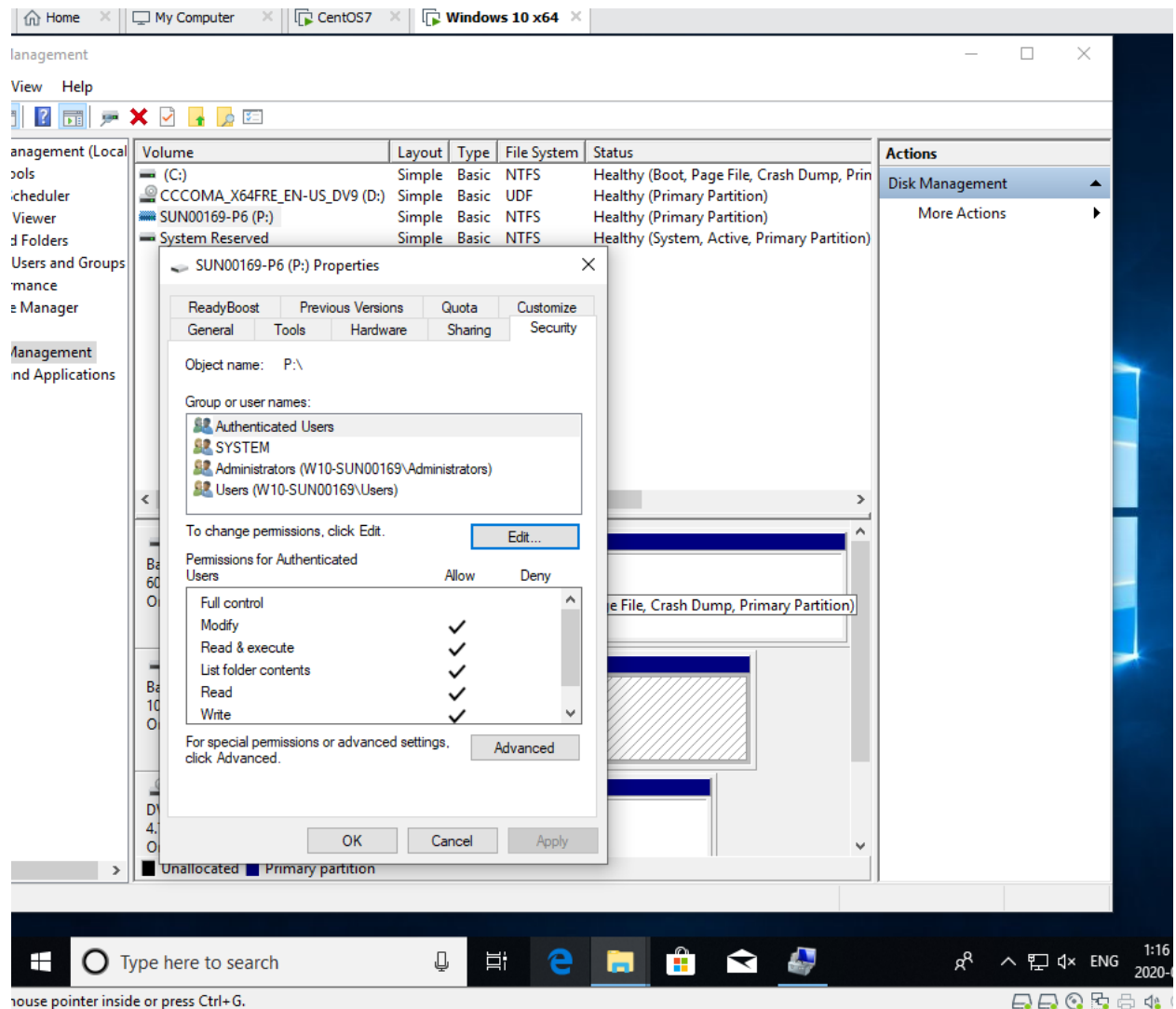


mouse pointer inside or press Ctrl+G.

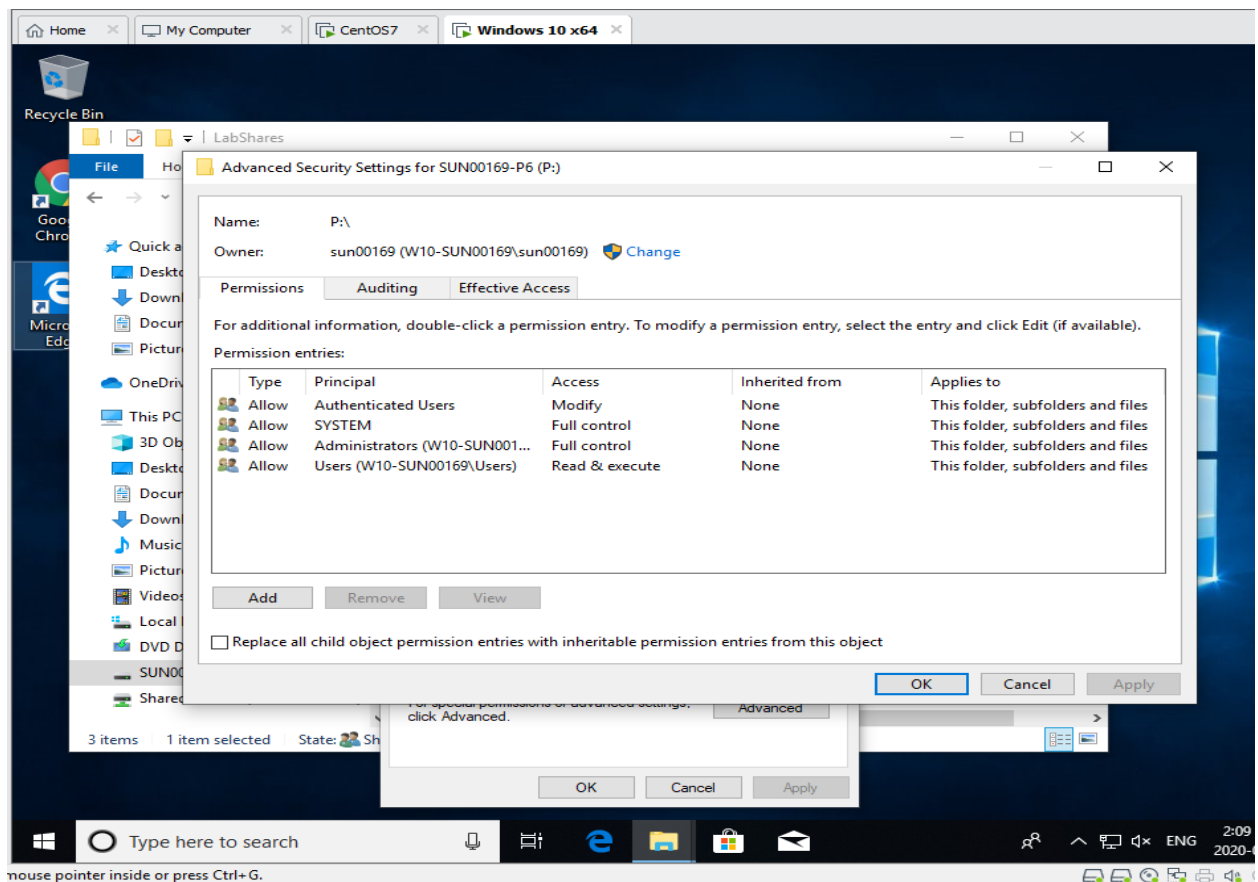
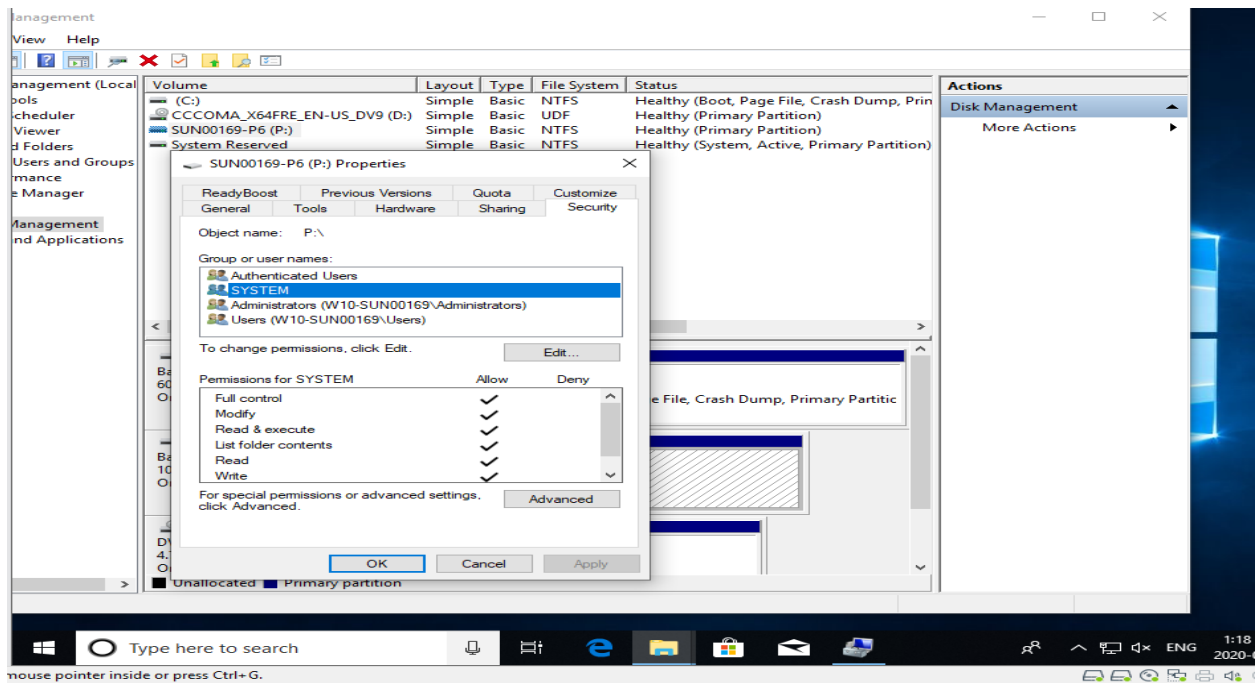
%29d Screenshot for Spreadsheets user assignment removal



%30 Screenshot for NTFS Security Tab



%31 Screenshot for Security assignments



#32 LabShares folder assignment setting

Assigned Object	User or Group (U/G)	Permissions	Inherited (Y/N)
SYSTEM		Full Control	N
Administrator		Full Control	N
Authenticated User		Modify	N
USERS		Read & Execute	N

#33 Artwork folder assignment setting

Assigned Object	User or Group (U/G)	Permissions	Inherited (Y/N)
SYSTEM		Full Control	N
Administrator		Full Control	N
Authenticated User		Modify	N
USERS		Read & Execute	N

#34 List of Richard, Linda and Maria's "effective NTFS permissions" to LabShares and Artwork

LabShares	Richard	Linda	Maria
Full Control	N	N	N
Traverse folder / execute file	Y	Y	Y
List folder/ read data	Y	Y	Y
Read attributes	Y	Y	Y
Read extended attributes	Y	Y	Y
Create files / write data	Y	N	Y
Create folders / append data	Y	N	Y
Write attributes	Y	N	Y
Write extended attributes	Y	N	Y
Delete subfolders and files	N	N	N
Delete	Y	N	Y
Read permissions	Y	Y	Y
Change permissions	N	N	N
Take ownership	N	N	N

Artwork	Richard	Linda	Maria
Full Control	N	N	N
Traverse folder / execute file	Y	Y	Y
List folder/ read data	Y	Y	Y
Read attributes	Y	Y	Y
Read extended attributes	Y	Y	Y
Create files / write data	Y	N	Y
Create folders / append data	Y	N	Y
Write attributes	Y	N	Y
Write extended attributes	Y	N	Y
Delete subfolders and files	N	N	N
Delete	Y	N	Y
Read permissions	Y	Y	Y
Change permissions	N	N	N
Take ownership	N	N	N

#35 Maria can locally access to Artwork, and she can create or modify files or folders

#36 NTFS permissions are used to manage access to data stored in NTFS file system. The NTFS share permission affect both local users and network users, and that they are based on the permissions granted to an individual user at the Windows login, regardless of where the user is connecting from. Maria has Read, Write and Create permission to Artwork folder, so when Maria sign in, she can create and modify files and folders. NTFS permissions apply to users who are logged on to the server locally; share permissions do not.

#37 Richard can locally access Artwork and can create folders and modify files

#38 When login as Richard, and go to local host Artwork folder, Richard has effective permission to access the Artwork folder and permission to create and modify files and folders,

#39 Maria cannot write to new or existing files. Maria can only read files. Because when share and NTFS permissions are used simultaneously, the most restrictive permission will take effect. Maria has only read permission in security tab "effective NTFS permission", so Maria can only read files even though Maria has Read, Write and Create in share permission

#40 We can add Richard and Maria change permission in the file or folder. We don't need to add Linda as Linda has only read permission.

#41 This solution works well in Network access environment. Through testing, Richard and Maria can add, create and modify folders and files in Artwork.

#42 If we want all users to be able to change files and folders when using network access, we can change users permission from read to change mode. Then everyone can create, modify and read files and folders. Because now share permission and NTFS permission now has the same effective permission.

