



T Level Technical Qualification in Digital Support Services

Occupational specialism assessment (OSA)

Digital Infrastructure

Assignment 2 - Workbook - Distinction

Guide standard exemplification materials

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Assignment 2

Workbook - Distinction

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About this workbook

Introduction

All evidence should be placed in this workbook.

Save your document regularly as you work through the assignment. It is recommended you save after inserting each piece of evidence.

Submit this workbook in .pdf format at the end of the assignment using the file naming convention.

Surname_Initial_student number_Workbook2

For example Smith_J_123456789_Workbook2.pdf

Evidence

All print screens and photographs should be numbered and linked to the task.

For example, Task 1, Evidence 2 would be shortened to 1.2.



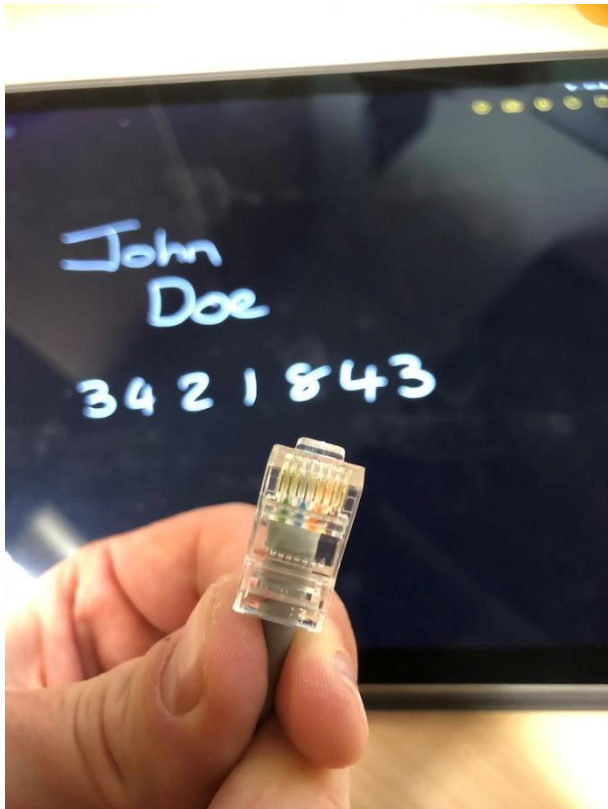
1.2 – Shows the SATA cable being installed

Task 1

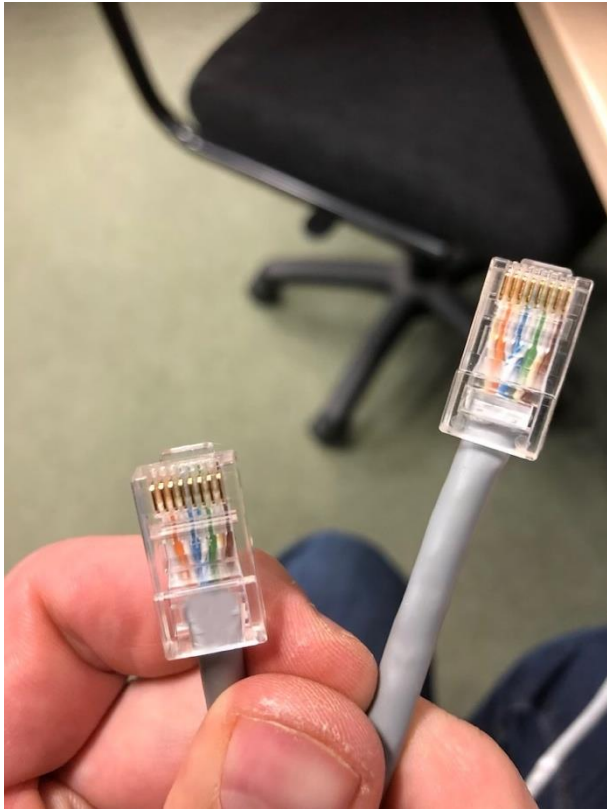
RJ45 connected

All the copper connectors connect with the cable
< Covered in the single photograph below >

All the ends of the cable are arranged correctly

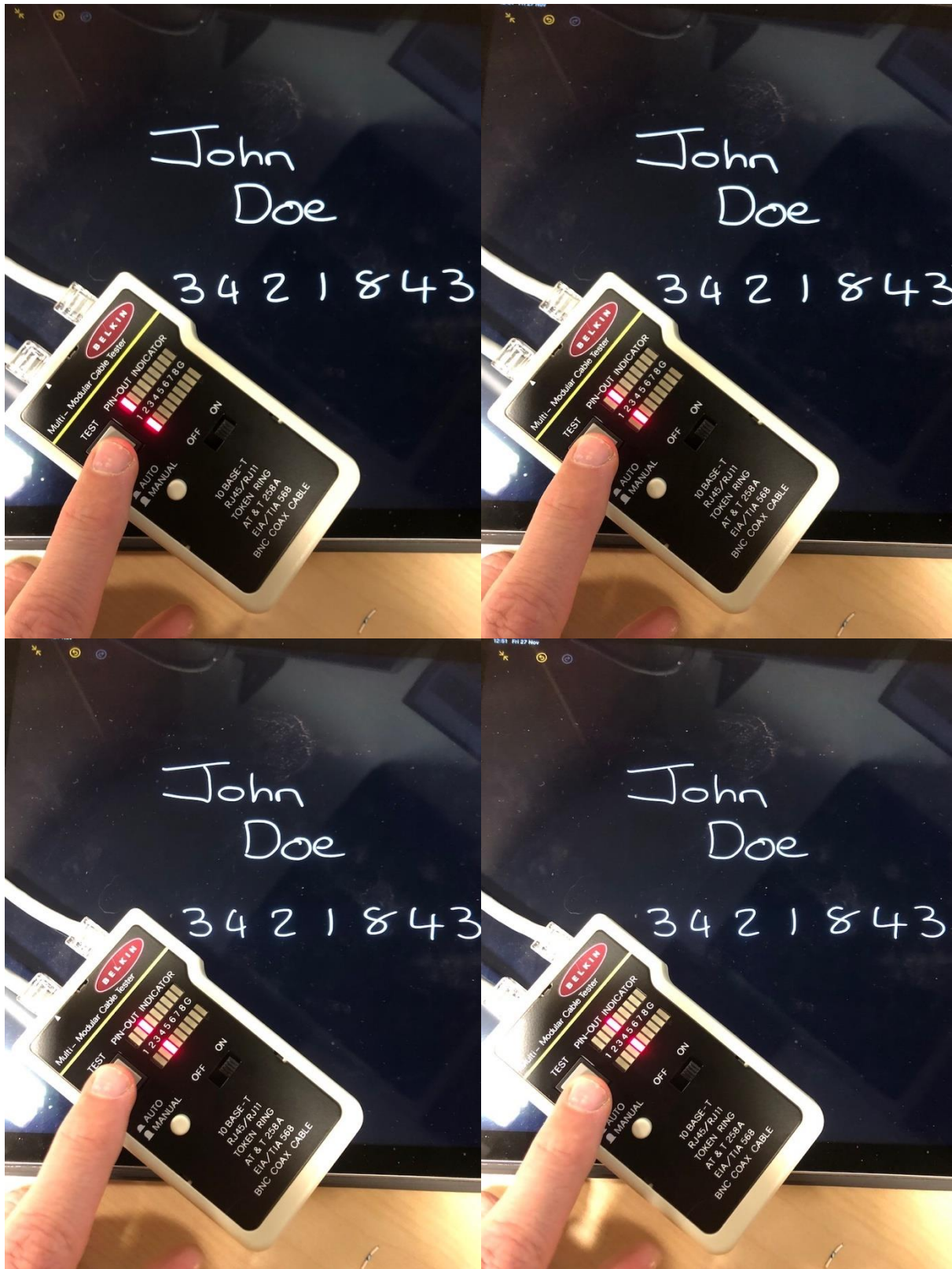


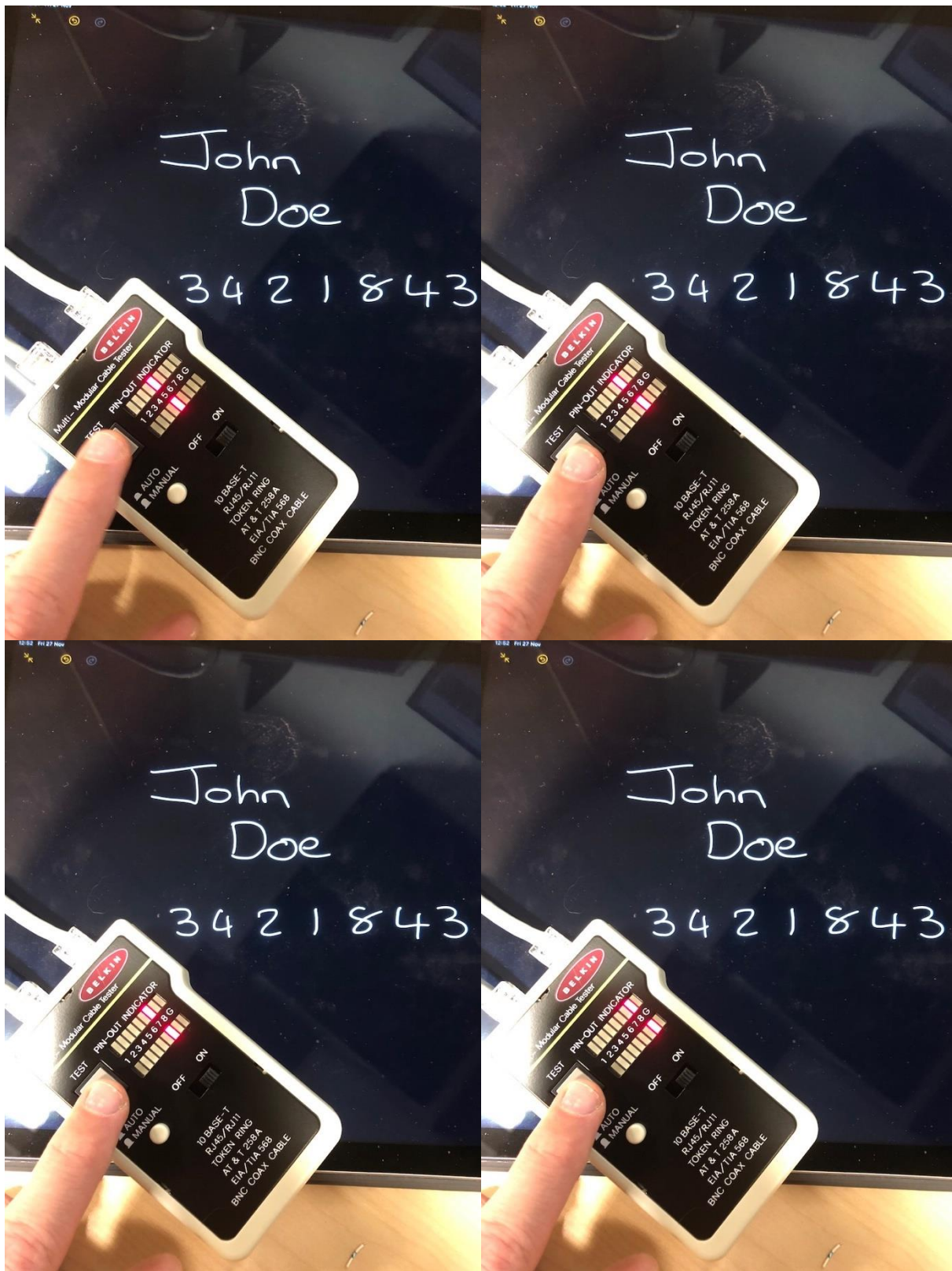
The plastic cover is at the right depth to catch under the fixing in the RJ45 end



Cable testing

The cable tester lights show that each strand is working correctly





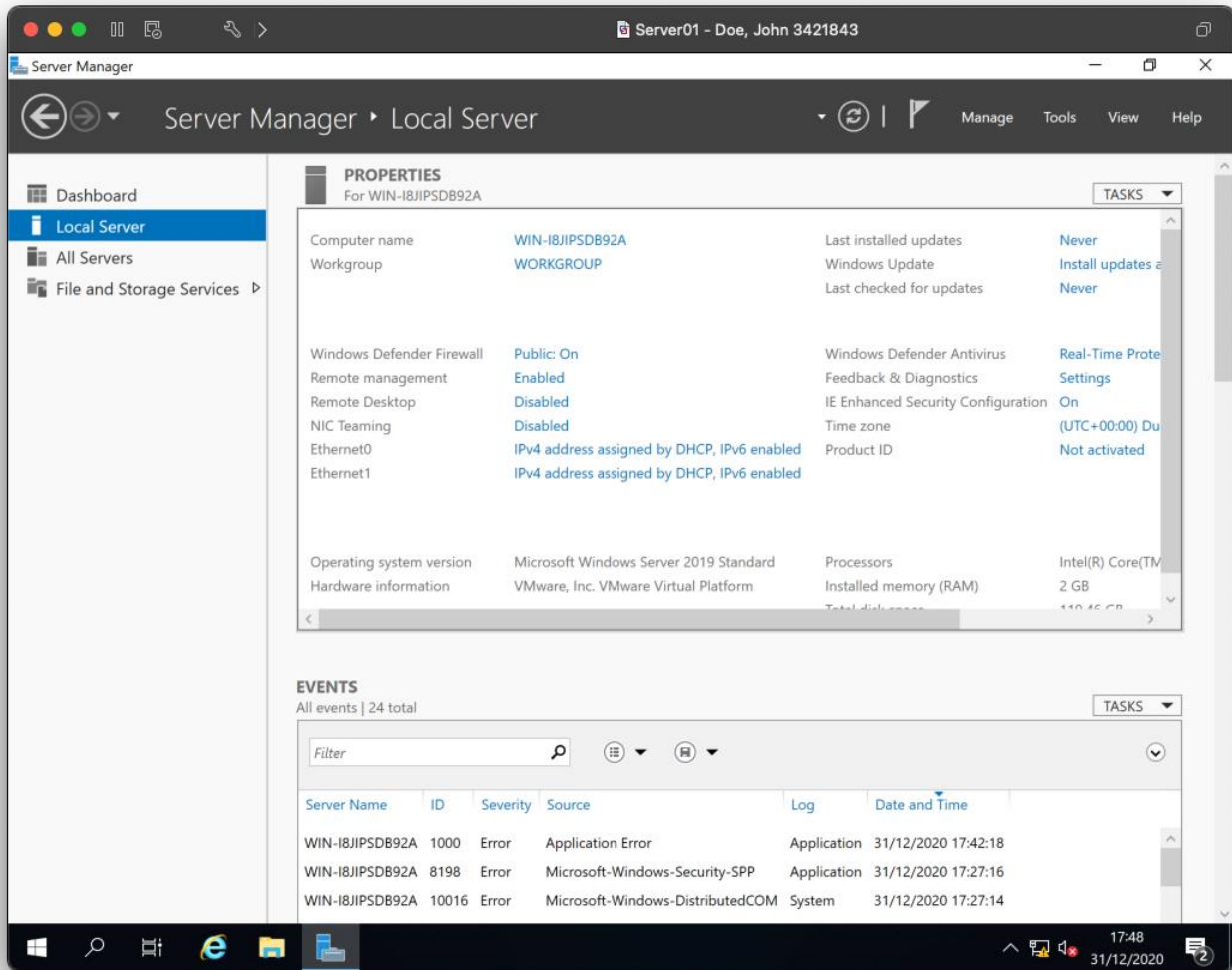
These photos show that the cable is made correctly and tested as working. Each photo shows one of the pins and confirms a signal can be carried on each wire in the cable.

Task 2

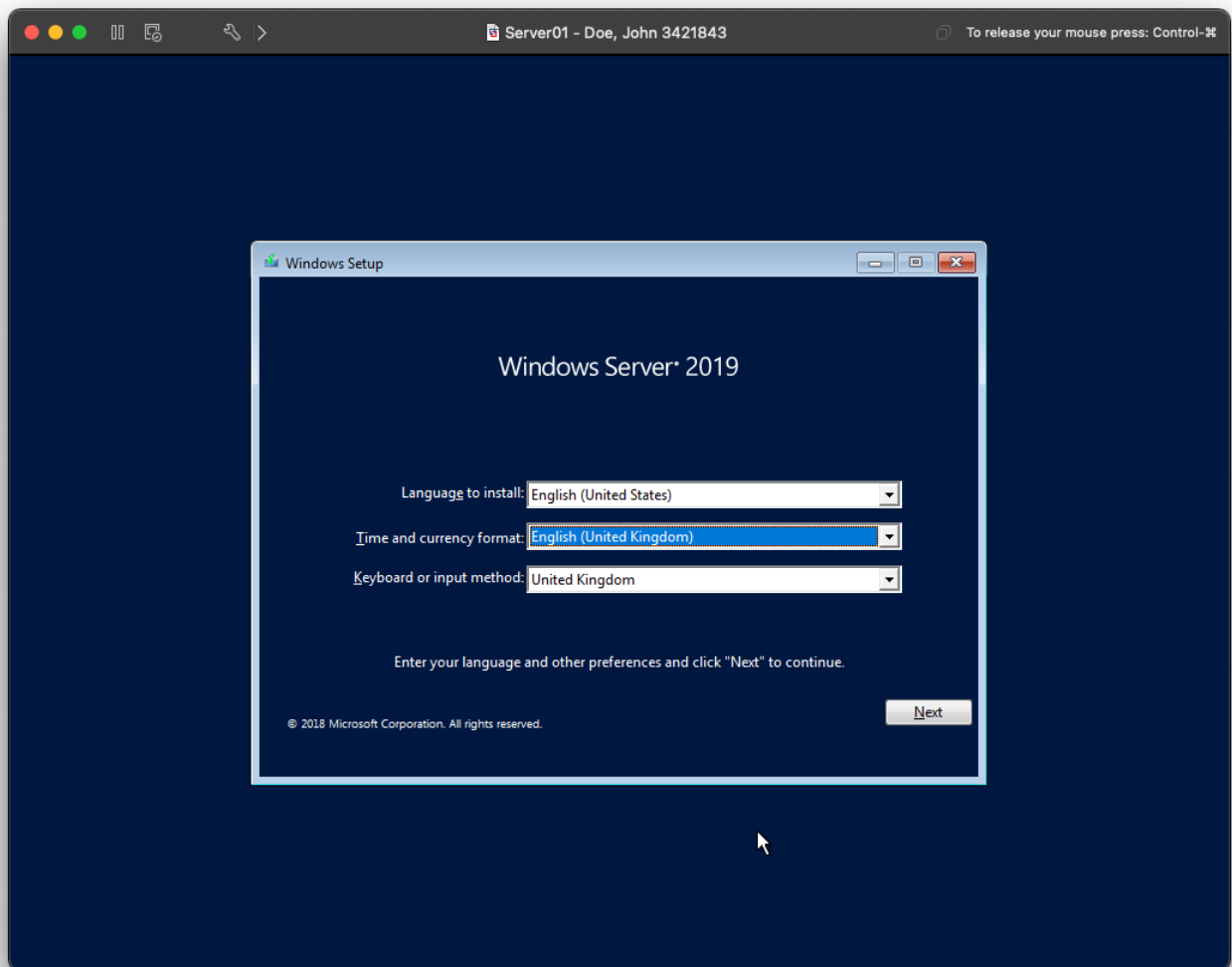
Step A

Server01 installation and configuration

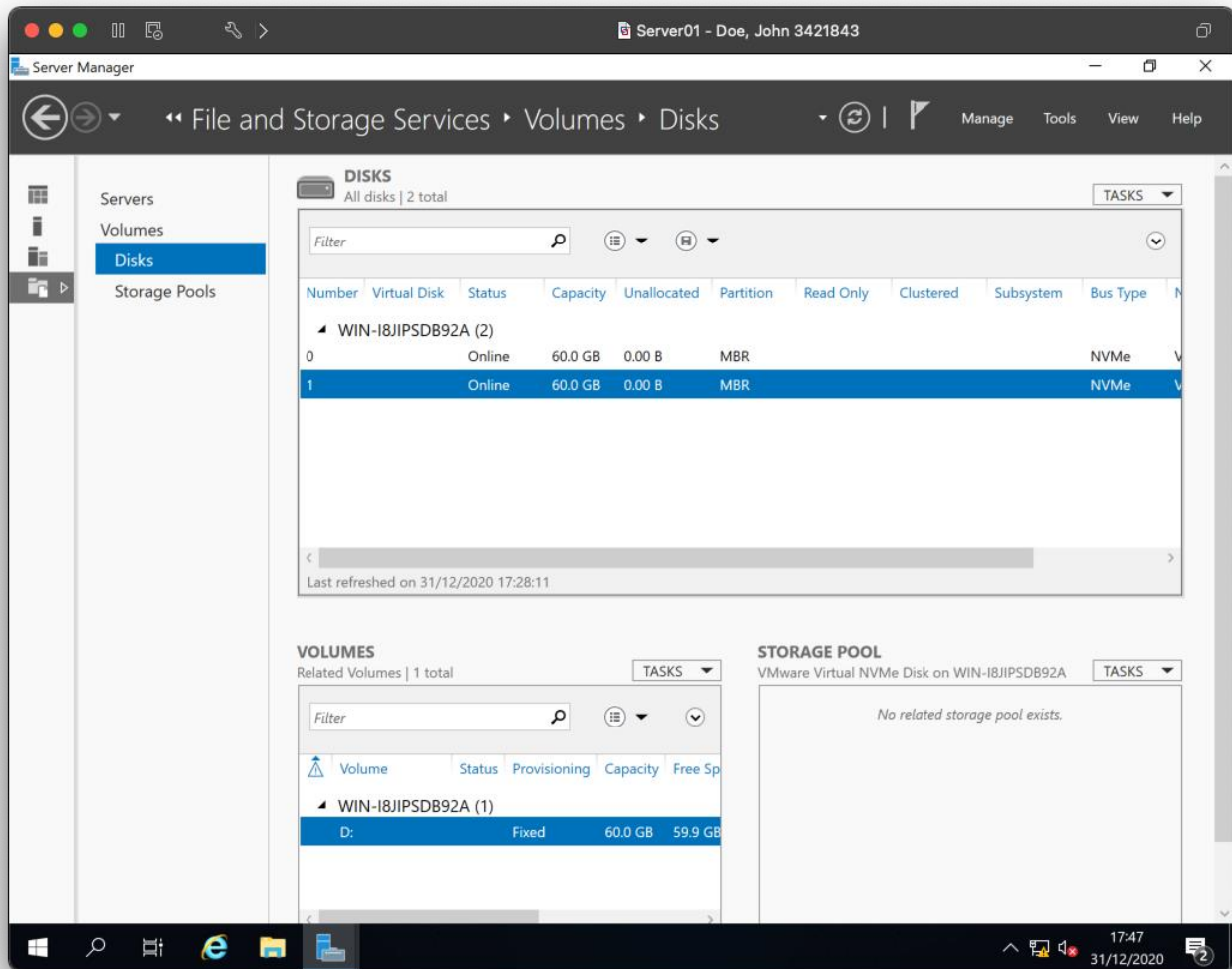
- operating system installed



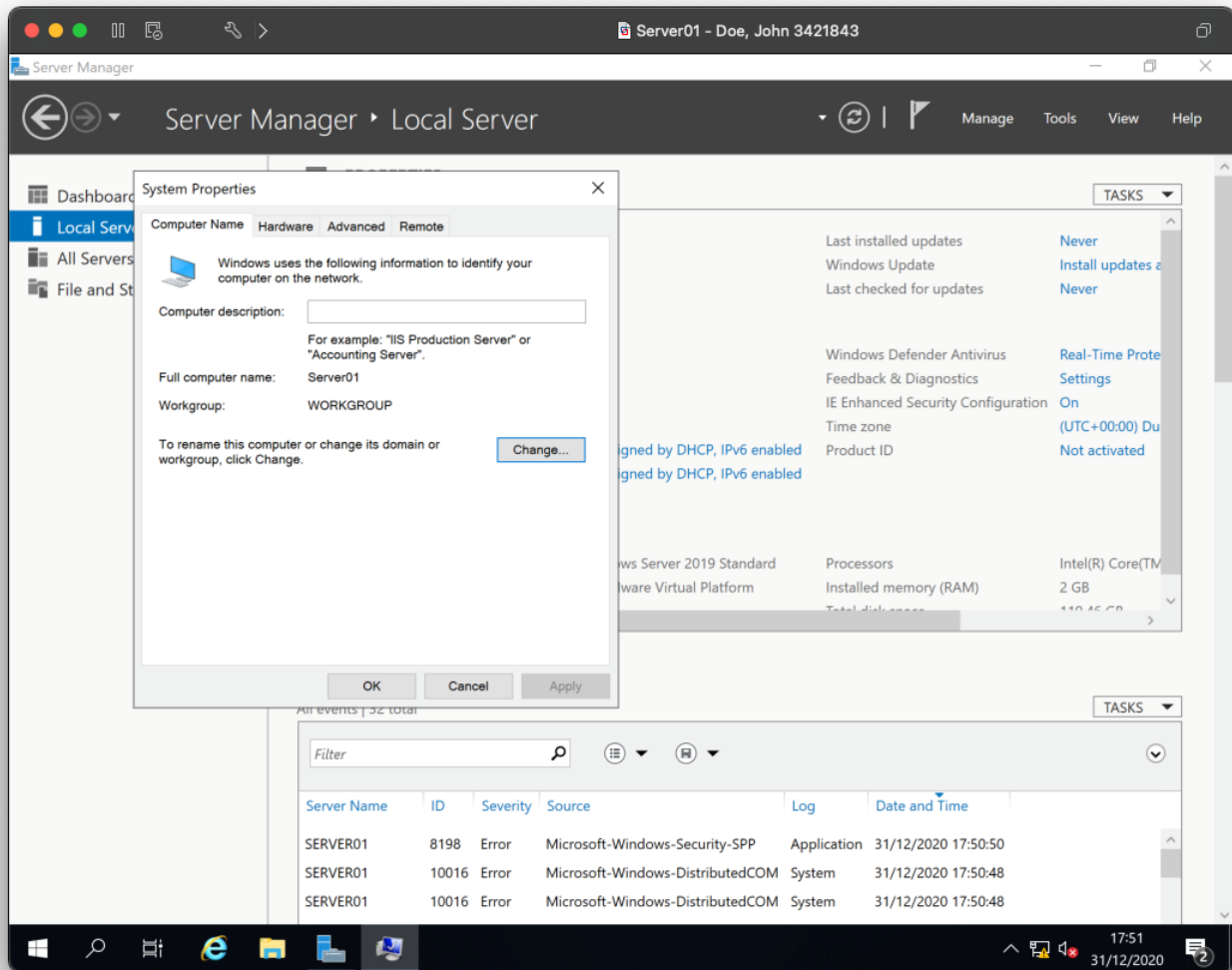
- suitable region and language settings



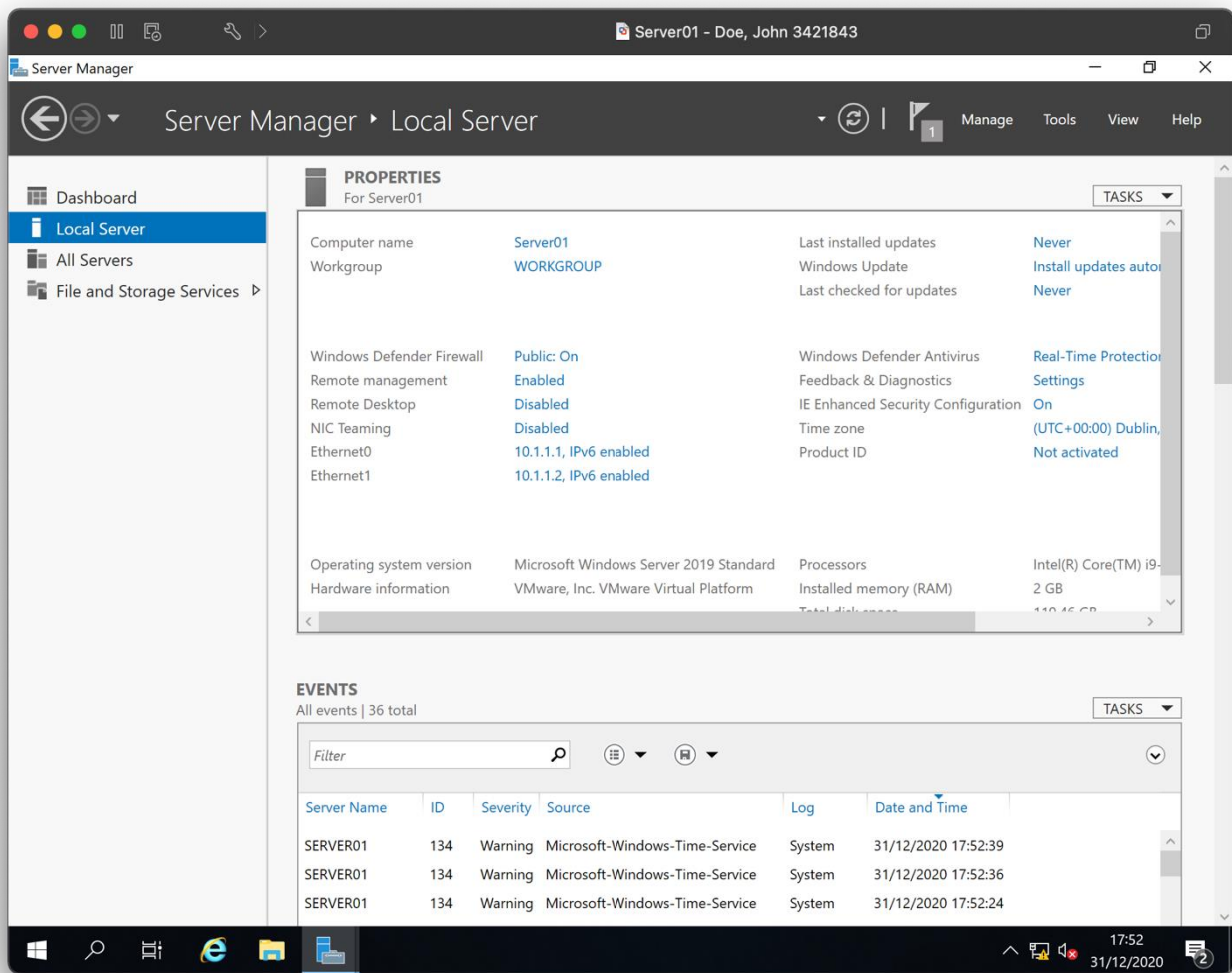
- disk partitions



- machine named correctly

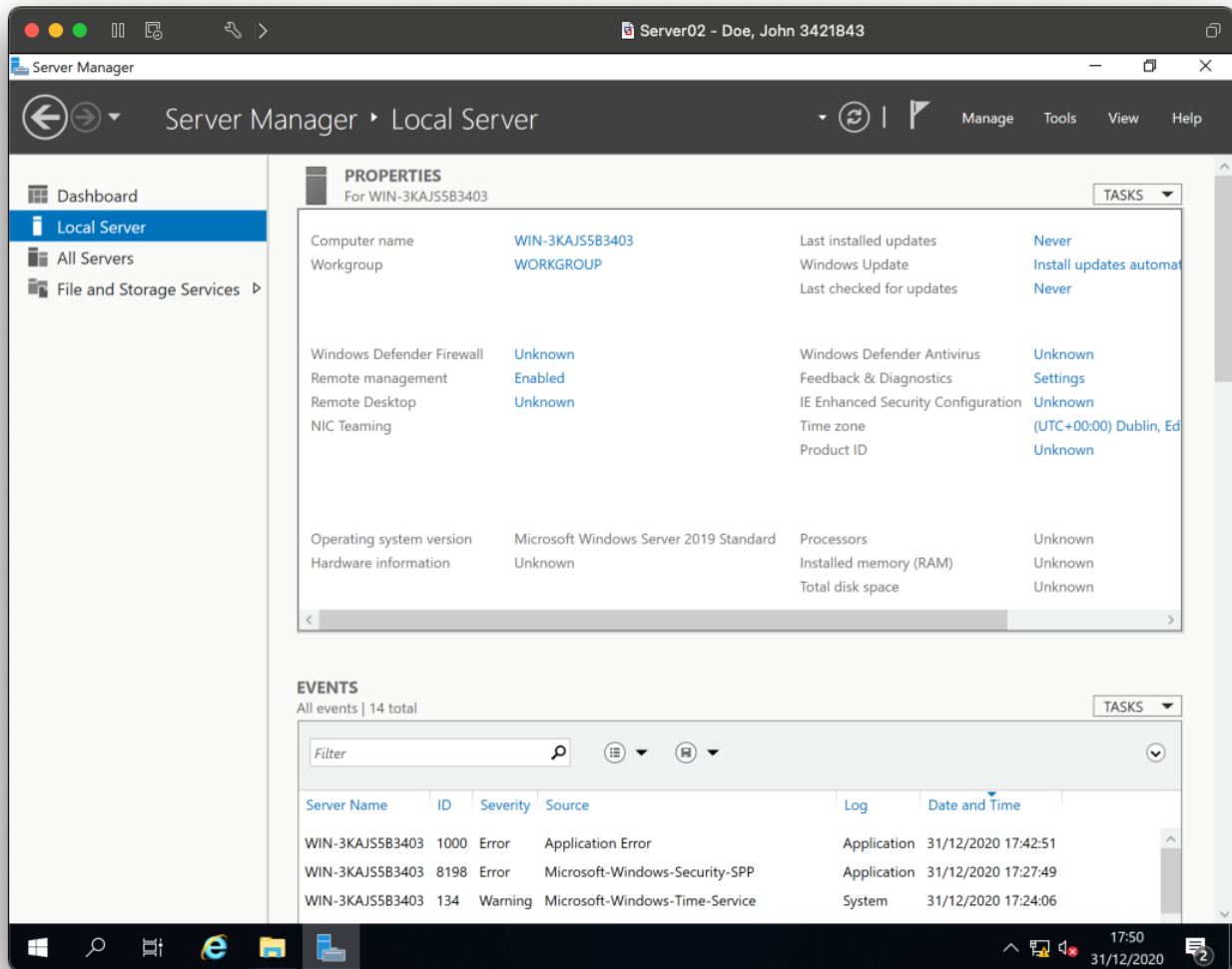


- fixed IP addressing set

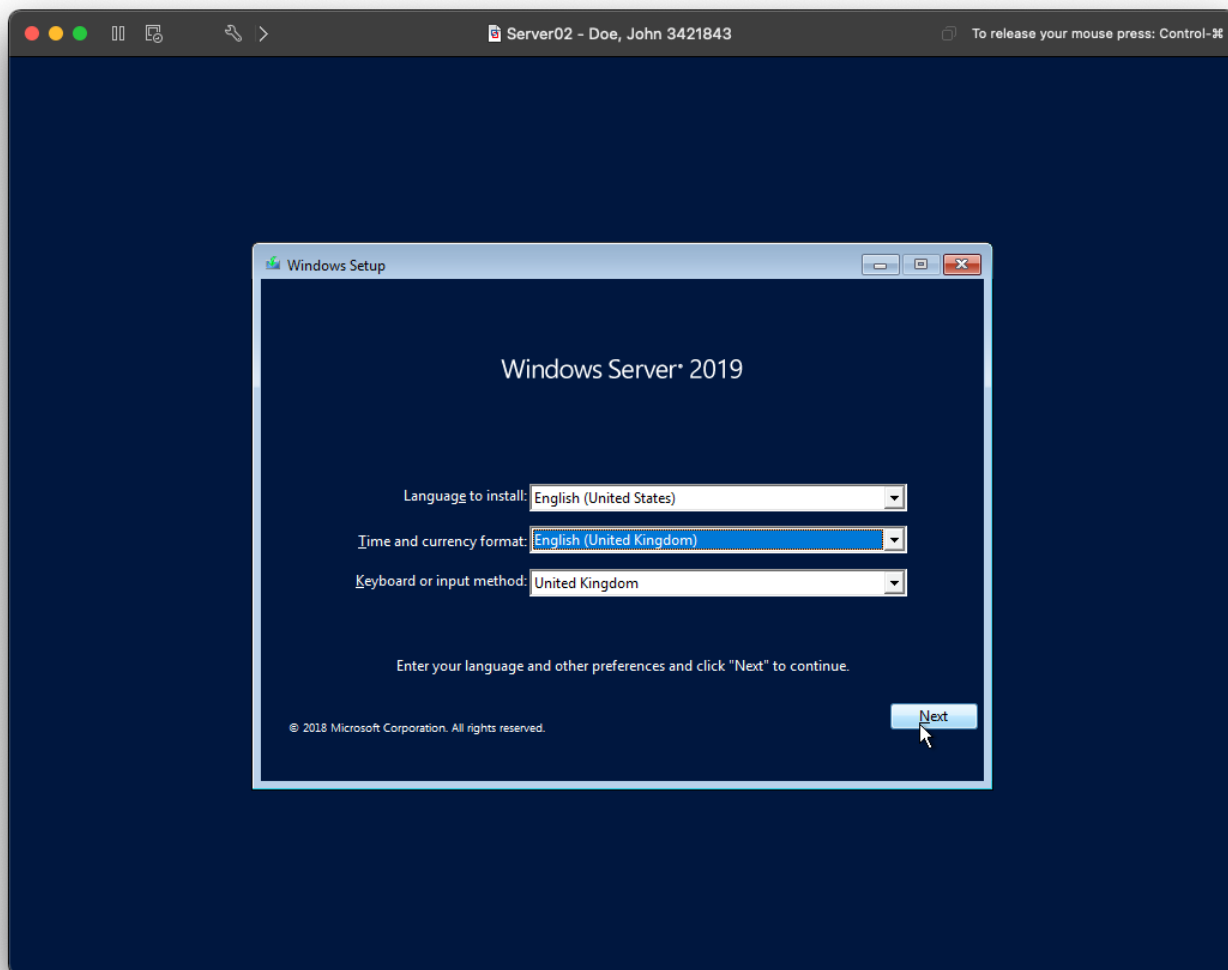


Server02 installation and configuration

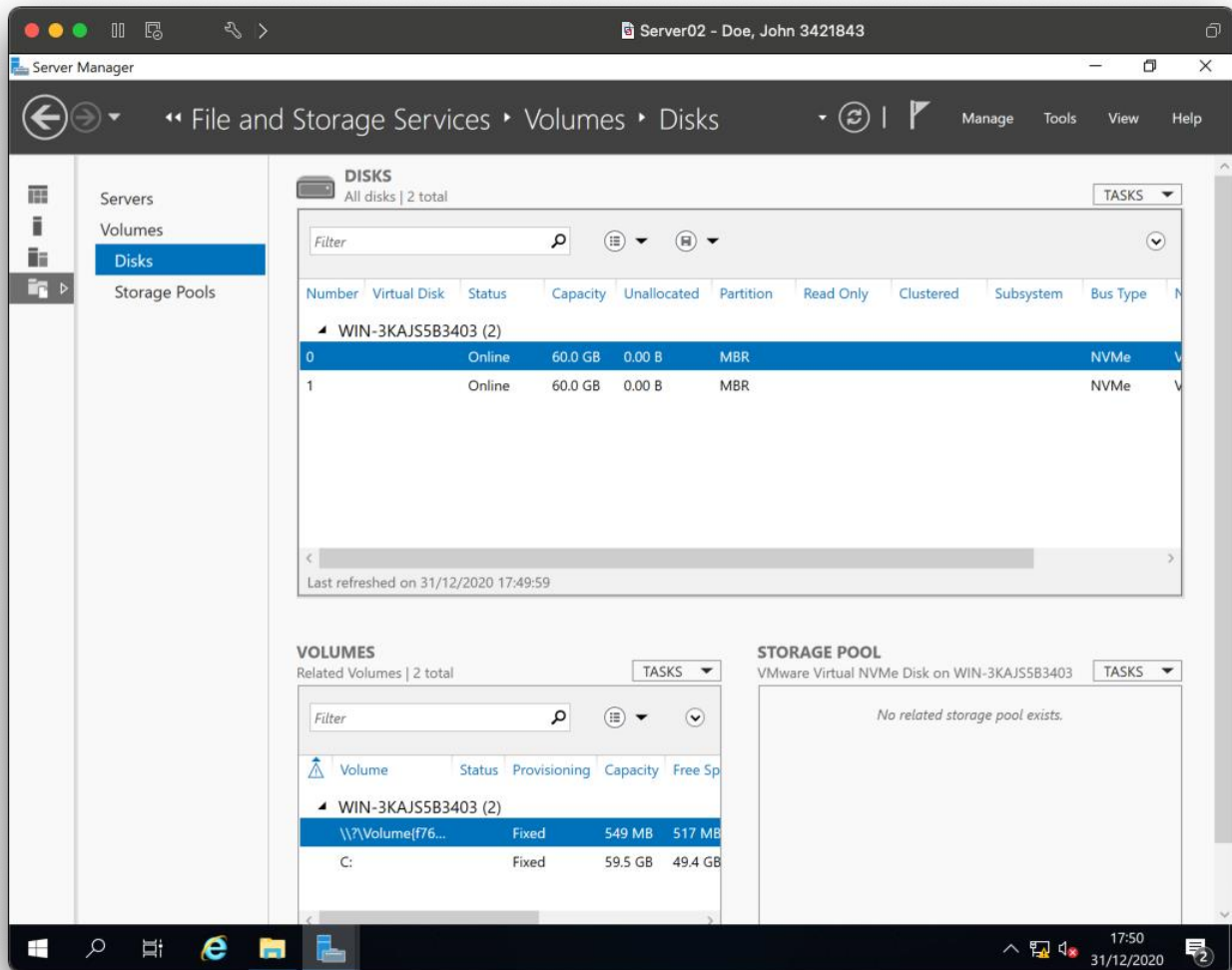
- operating system installed



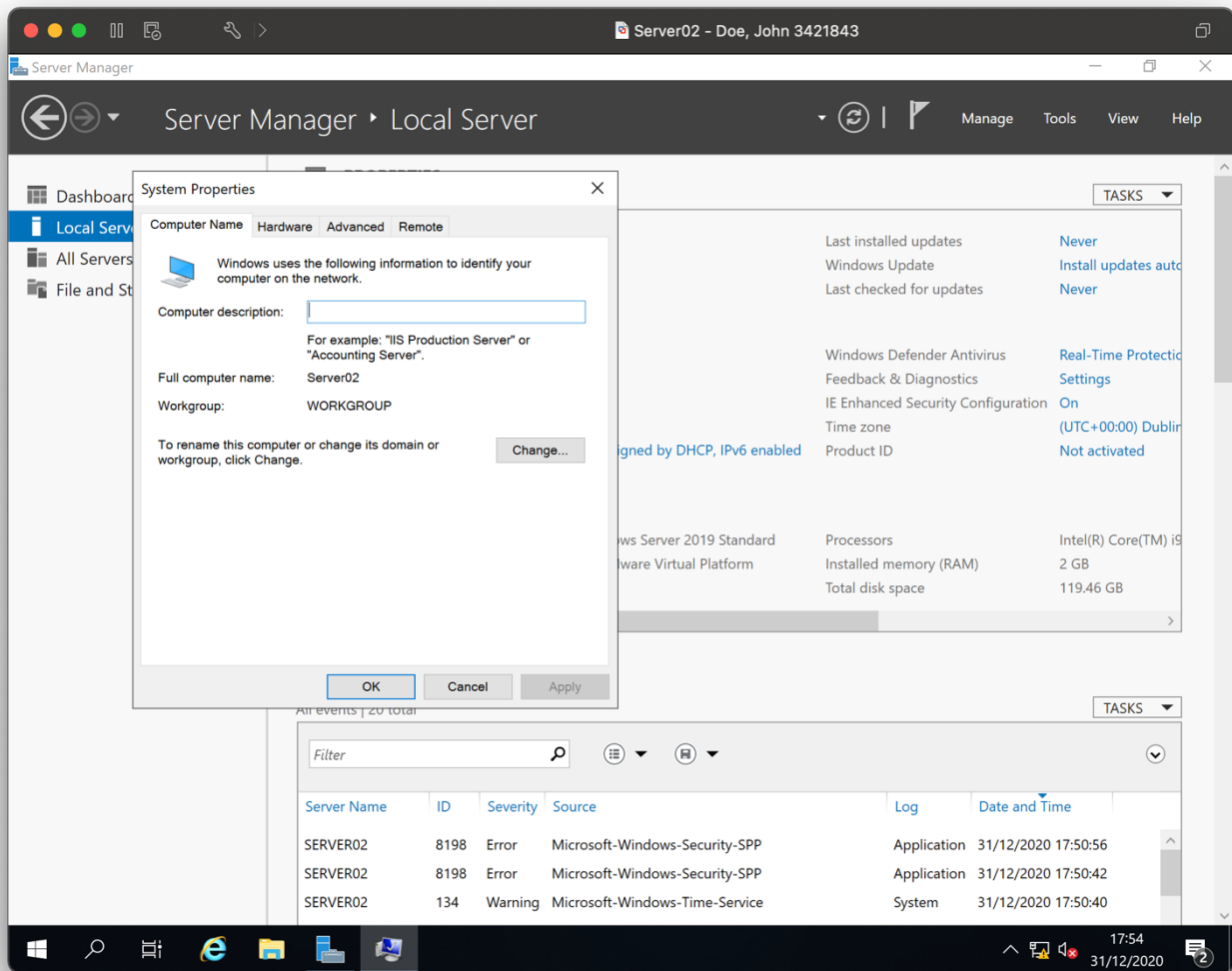
- suitable region and language settings



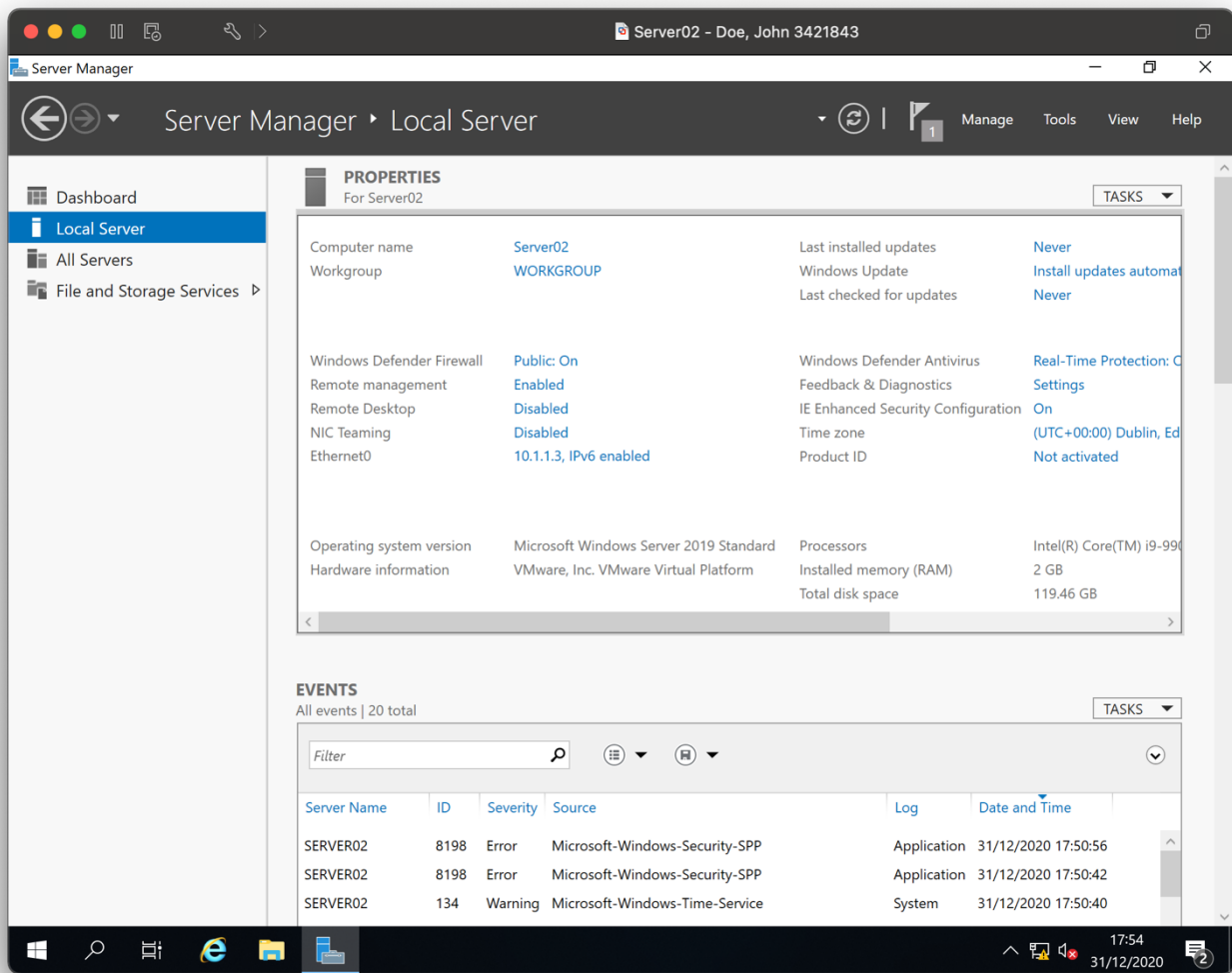
- disk partitions



- machine named correctly

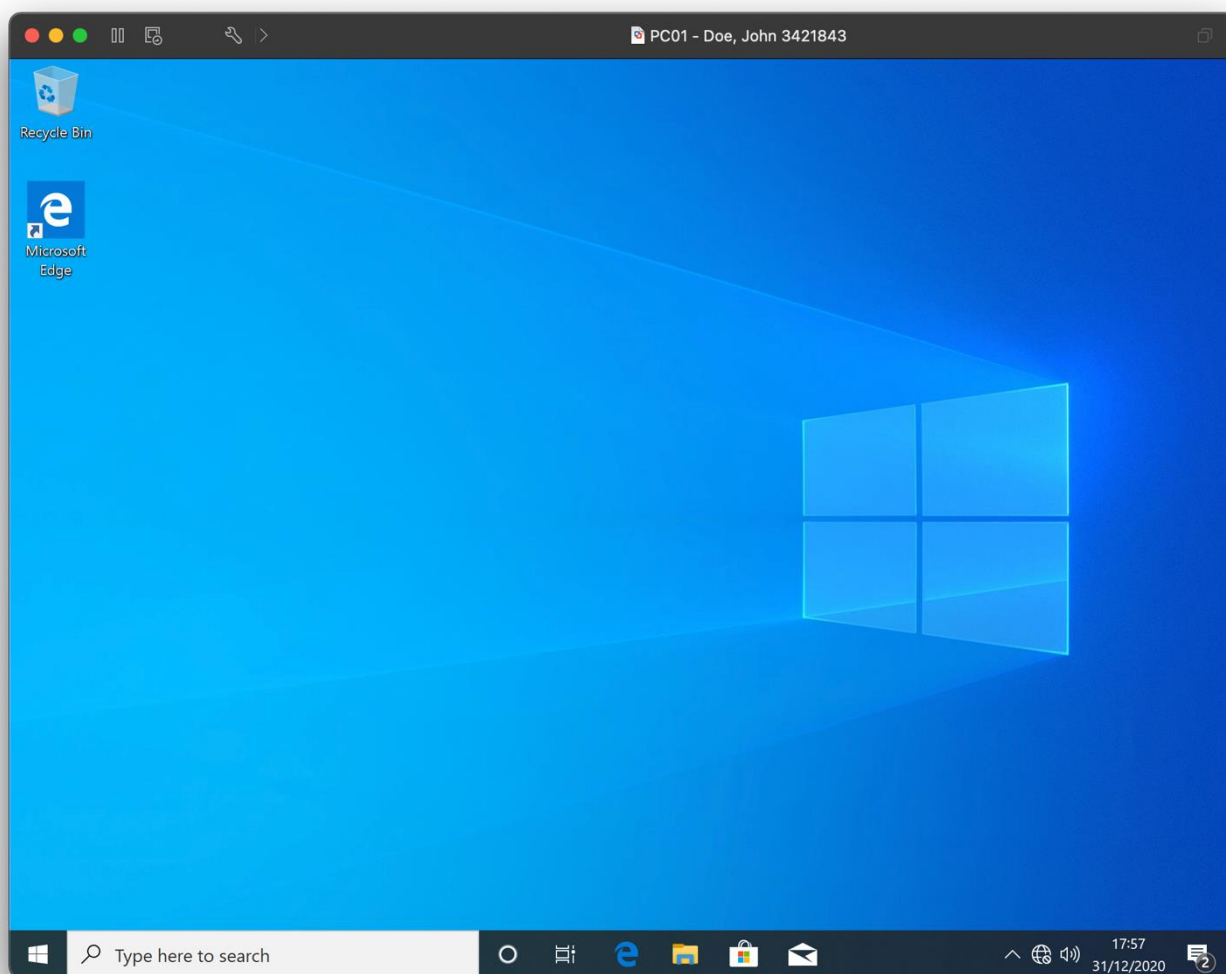


- fixed IP addressing set

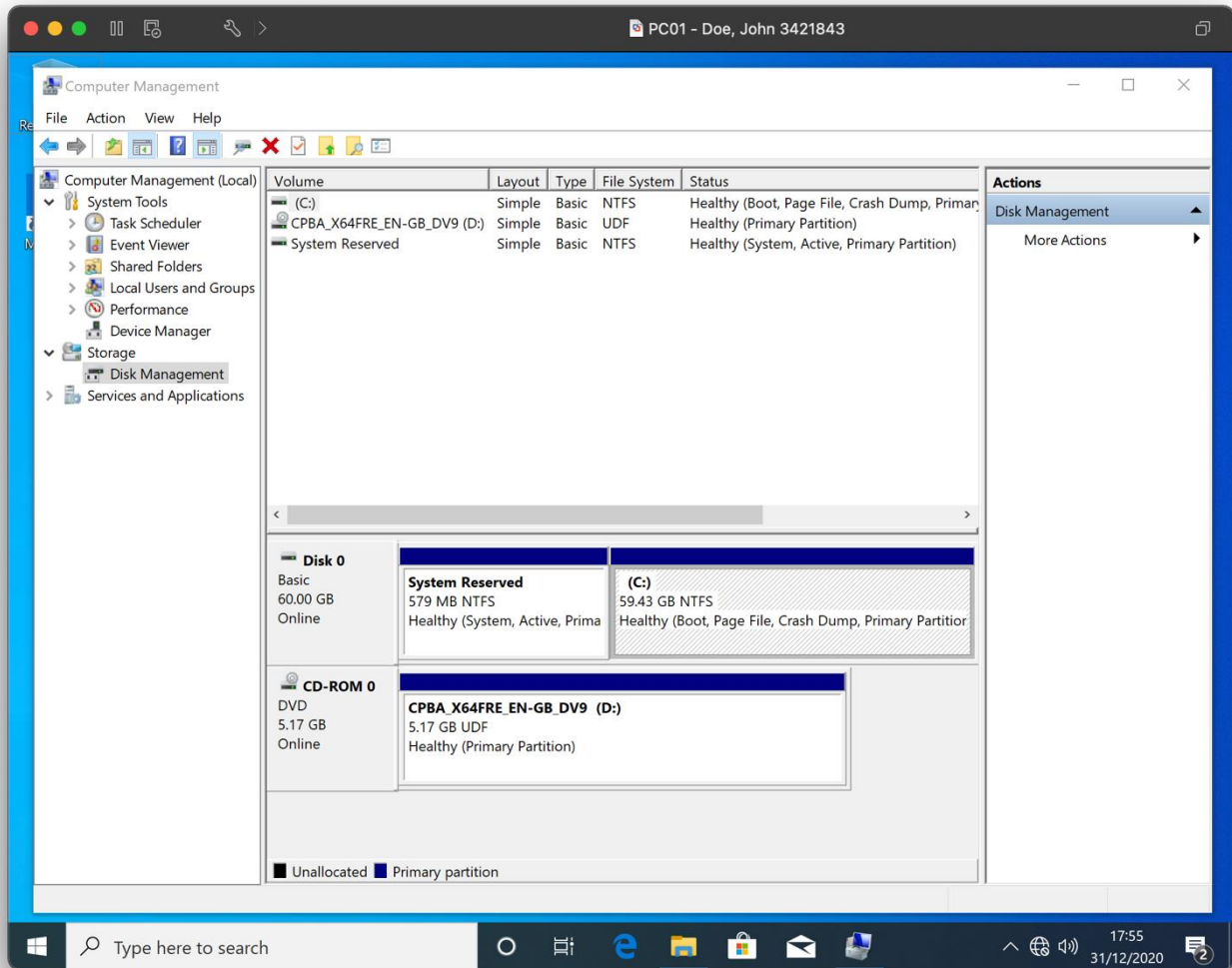


PC01 installation and configuration

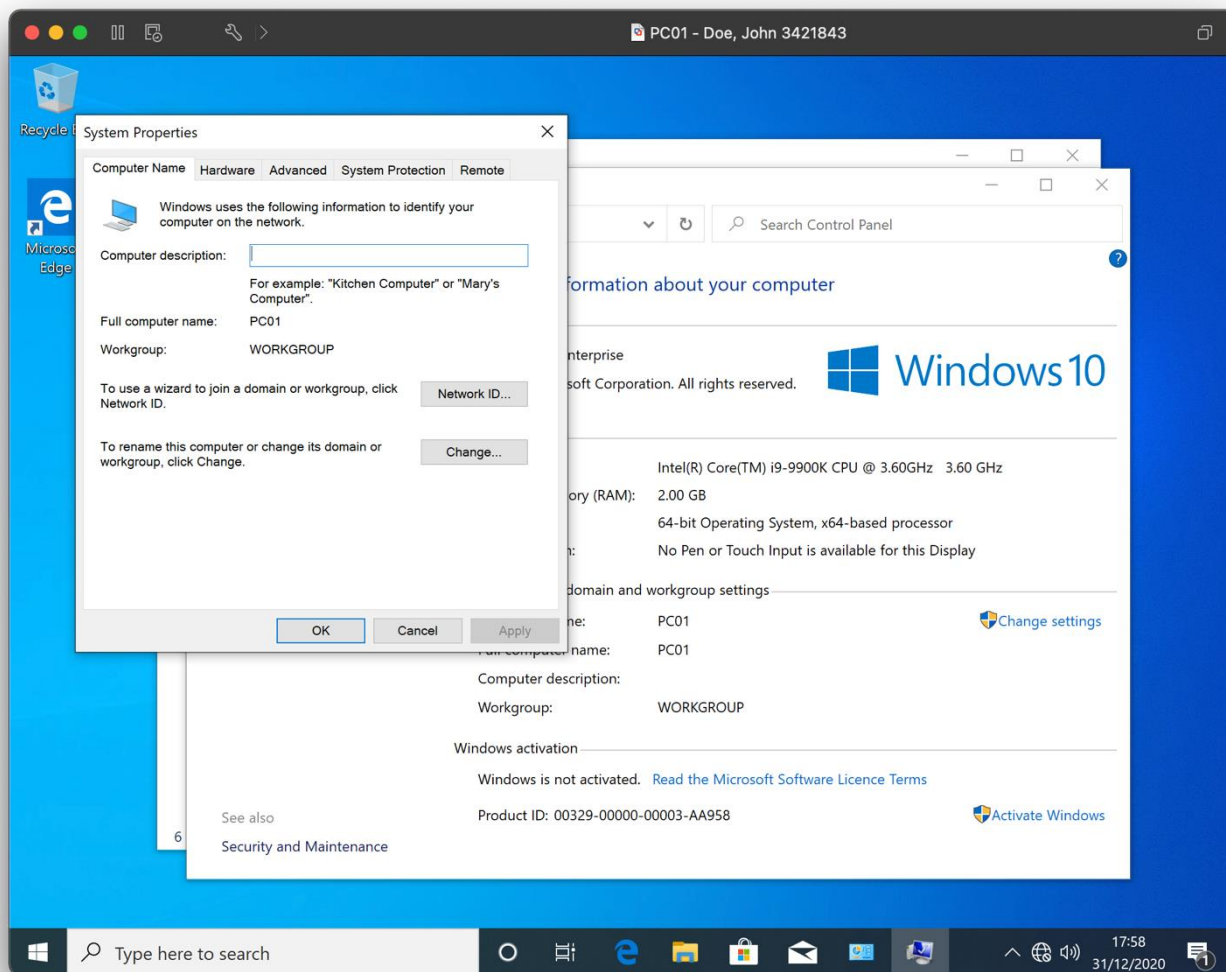
- operating system installed



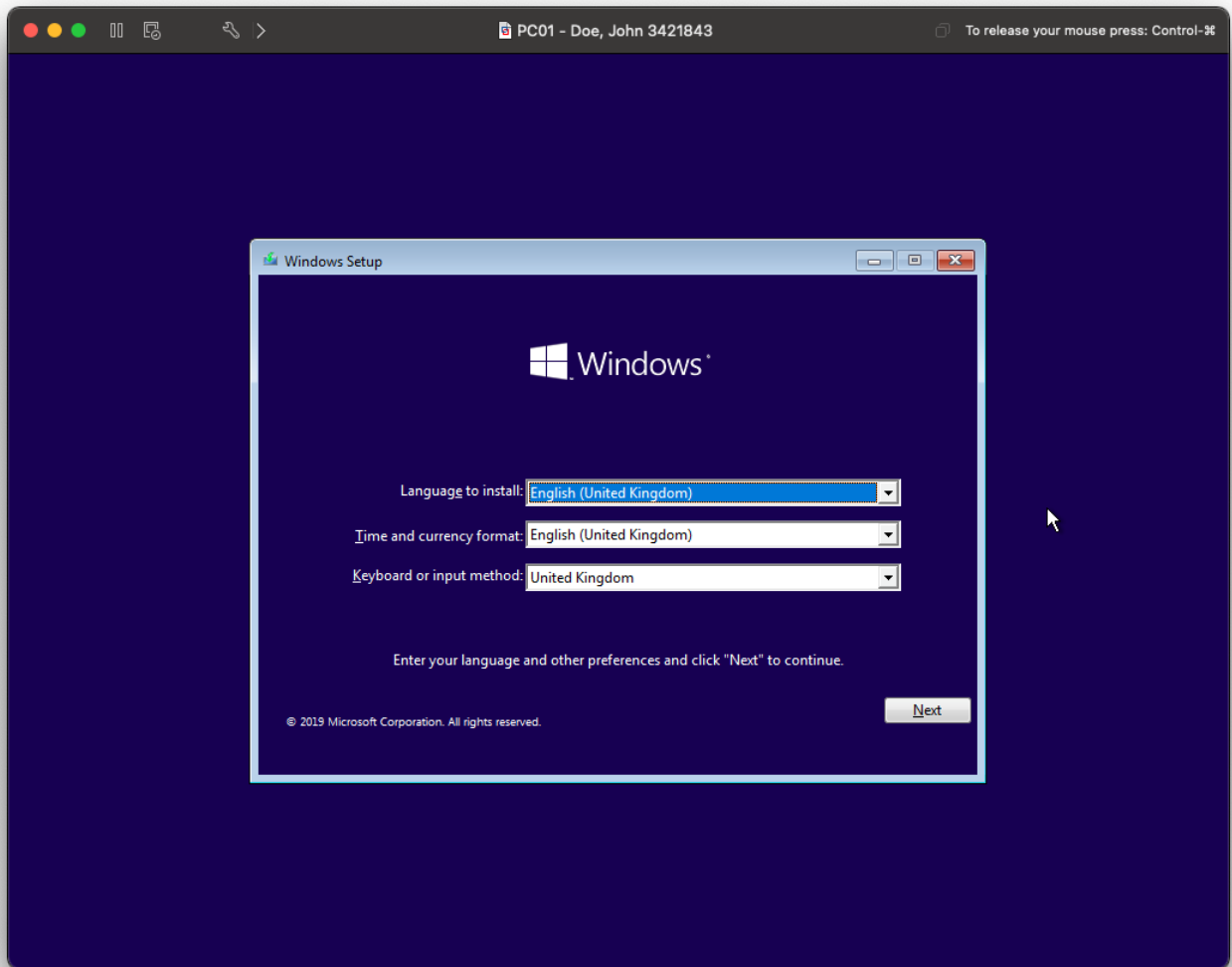
- disk partitions



- machine named correctly

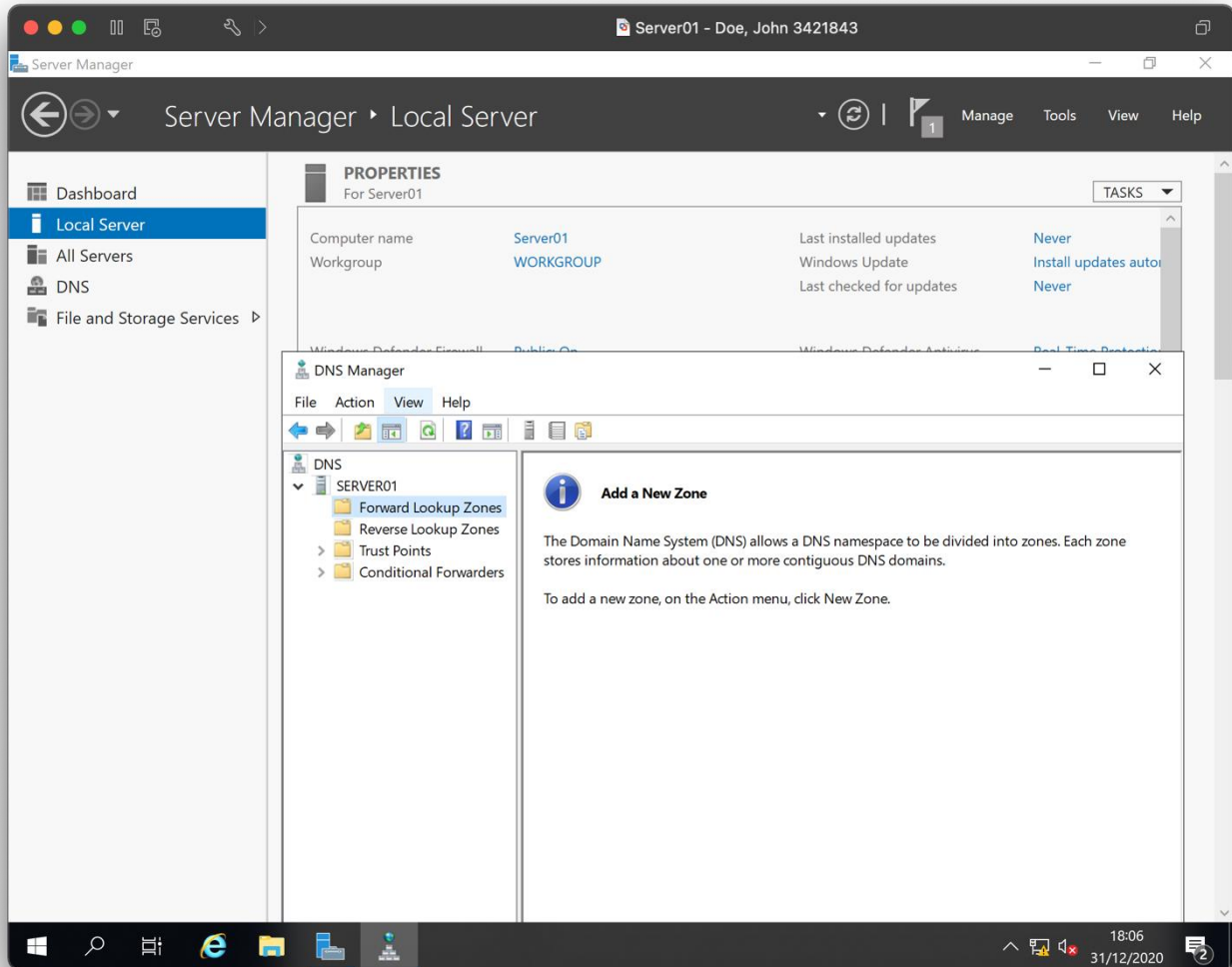


- suitable region and language settings

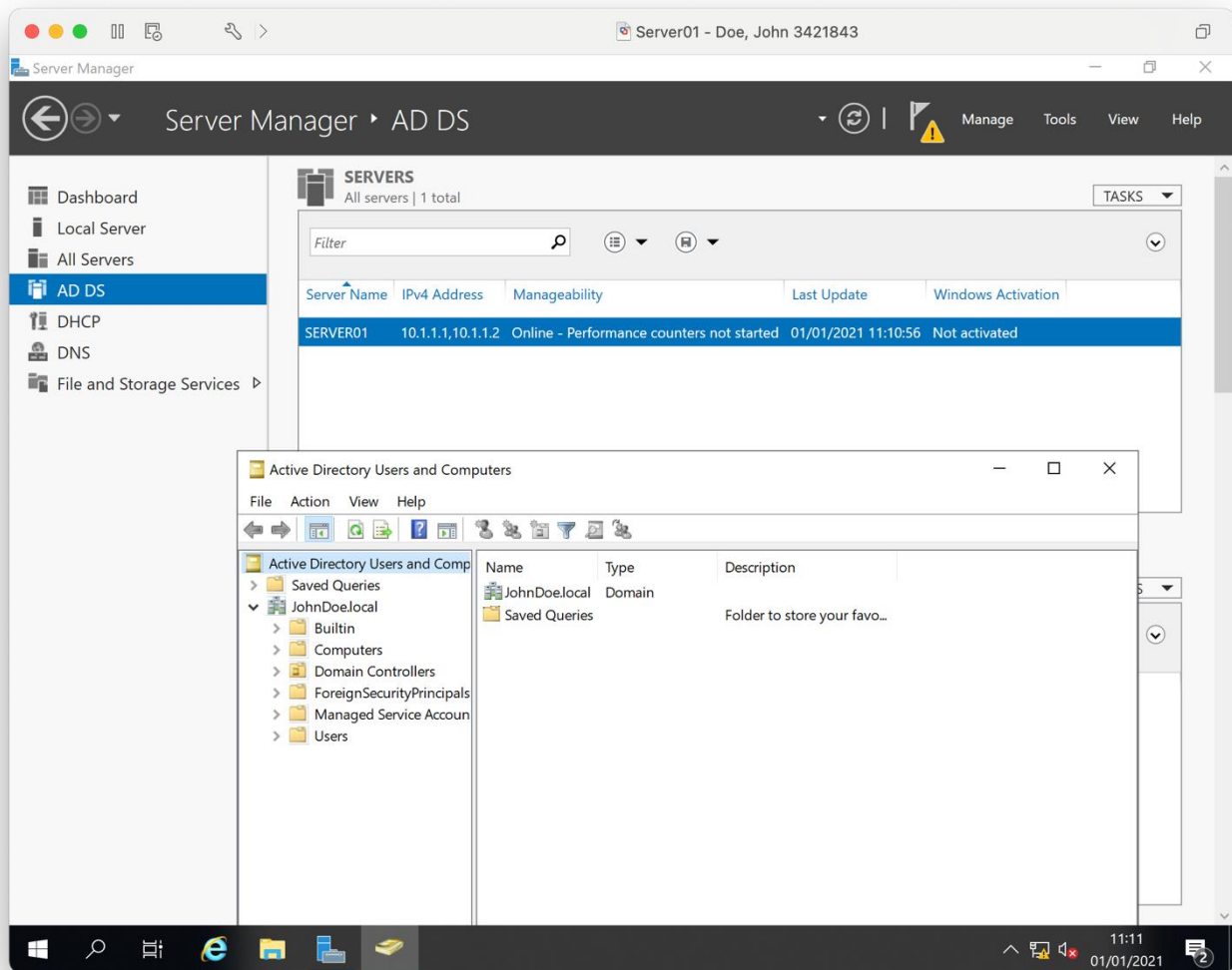


Step B

DNS configuration

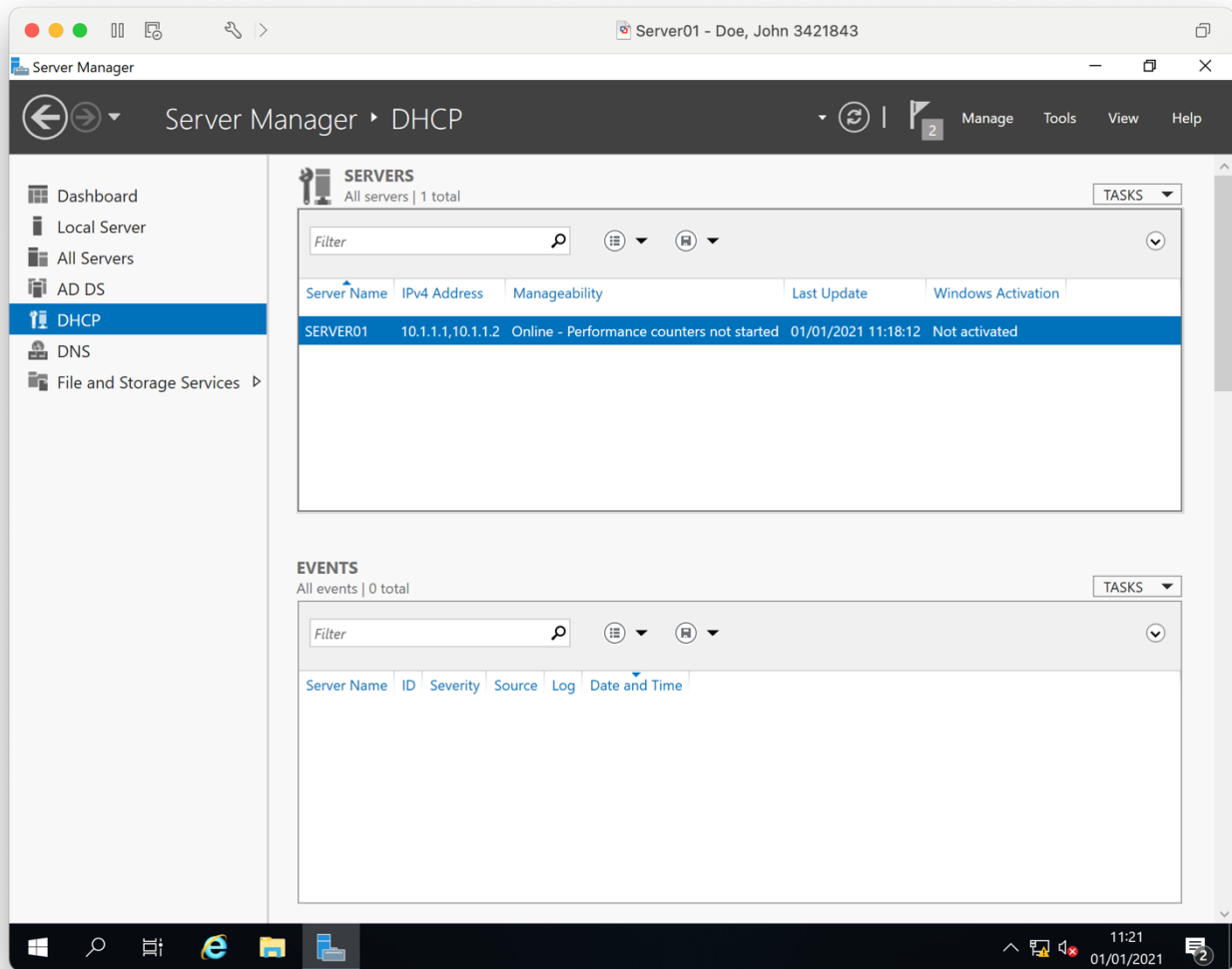


Directory service

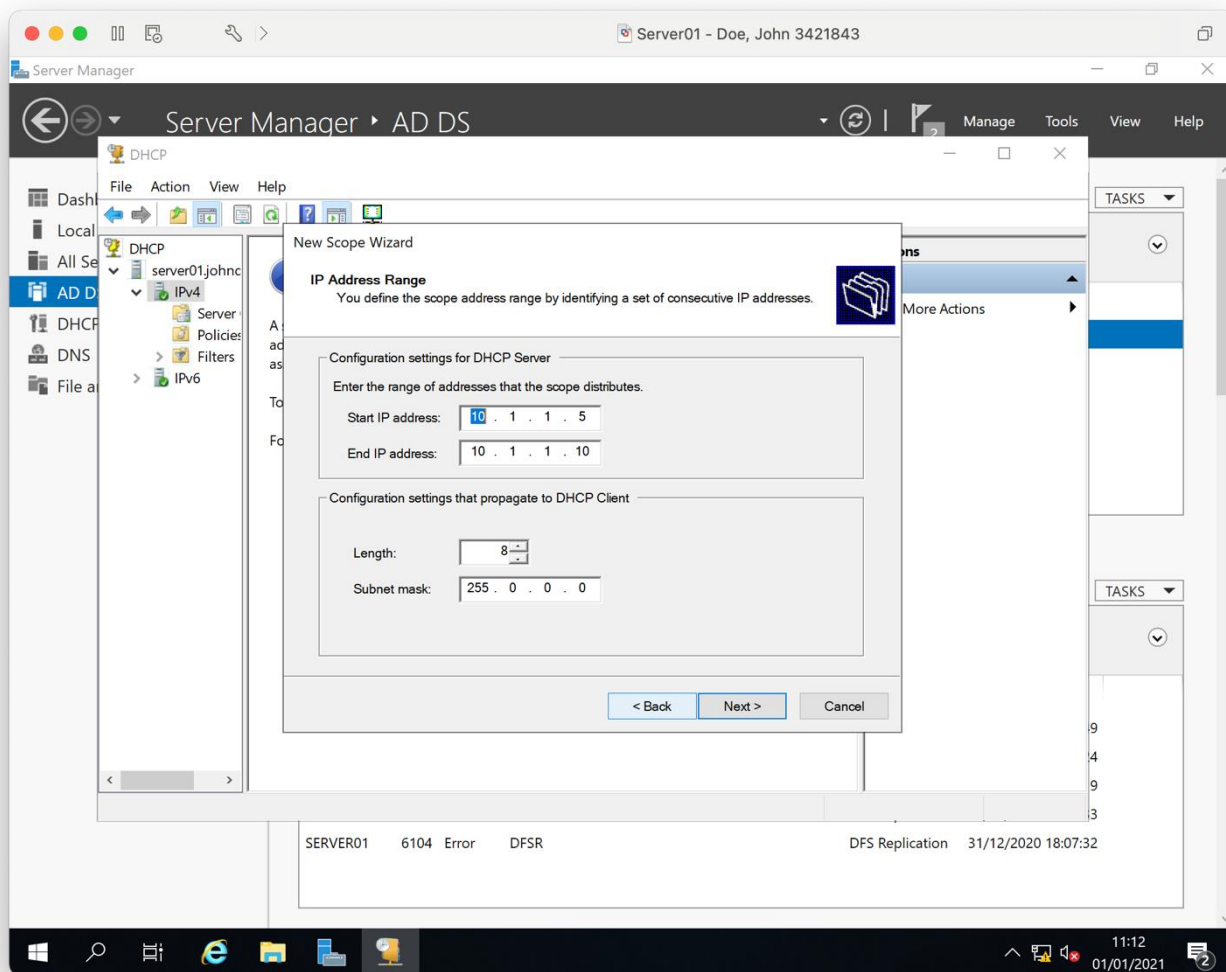


DHCP

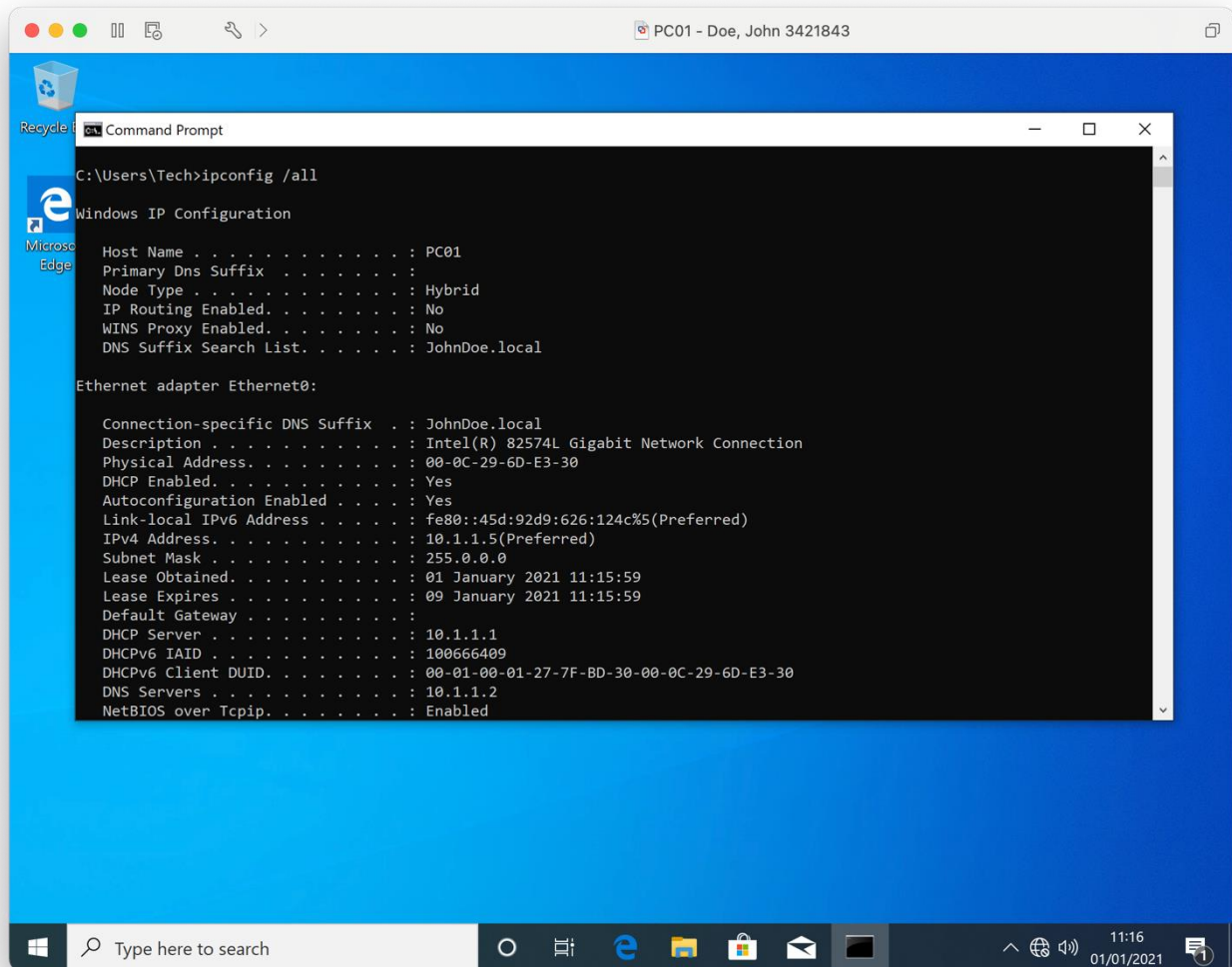
- DHCP service installed



- DHCP scope configured with the settings 10.1.1.5-10.1.1.10

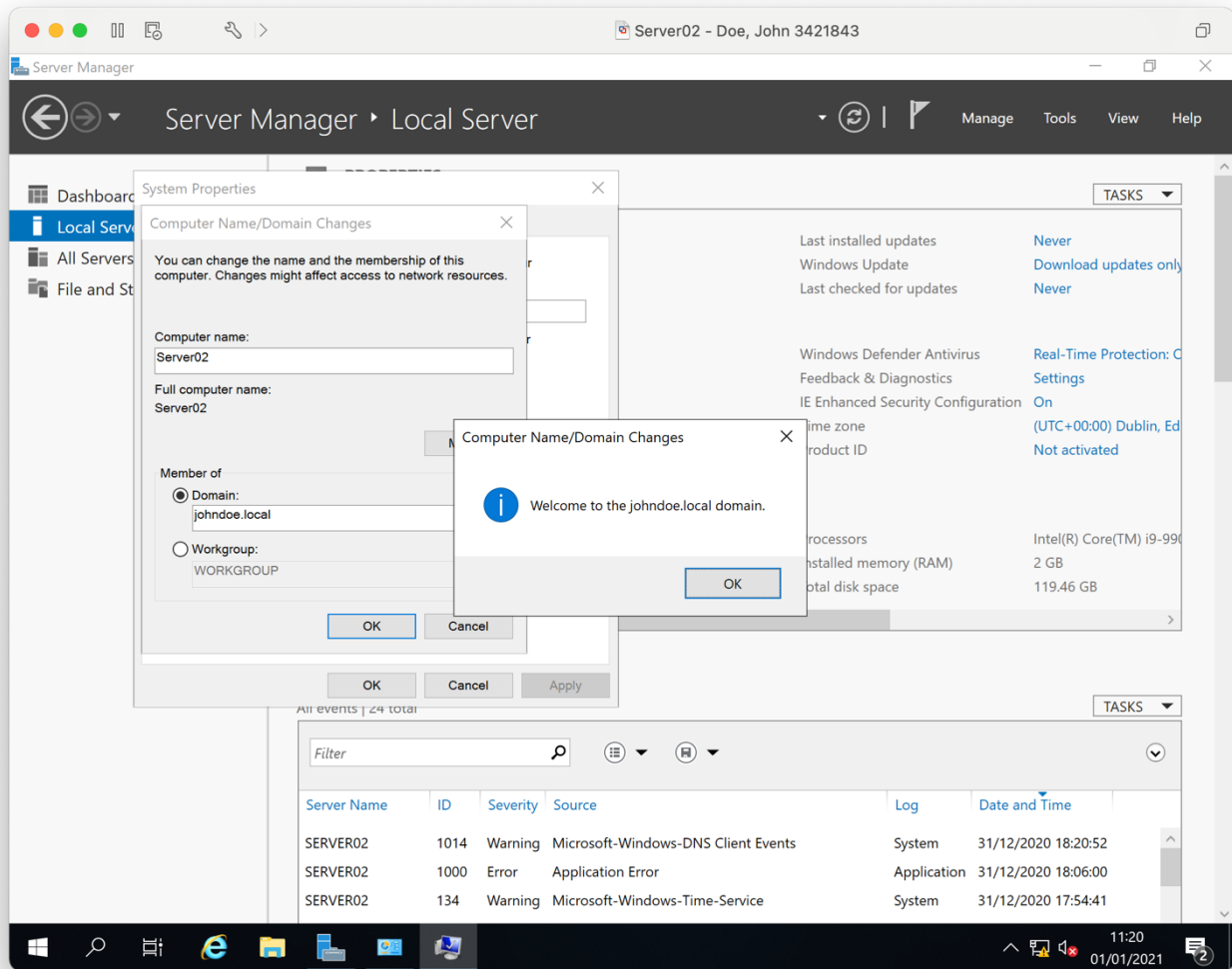


PC01 has been assigned a DHCP address using IPCONFIG /ALL

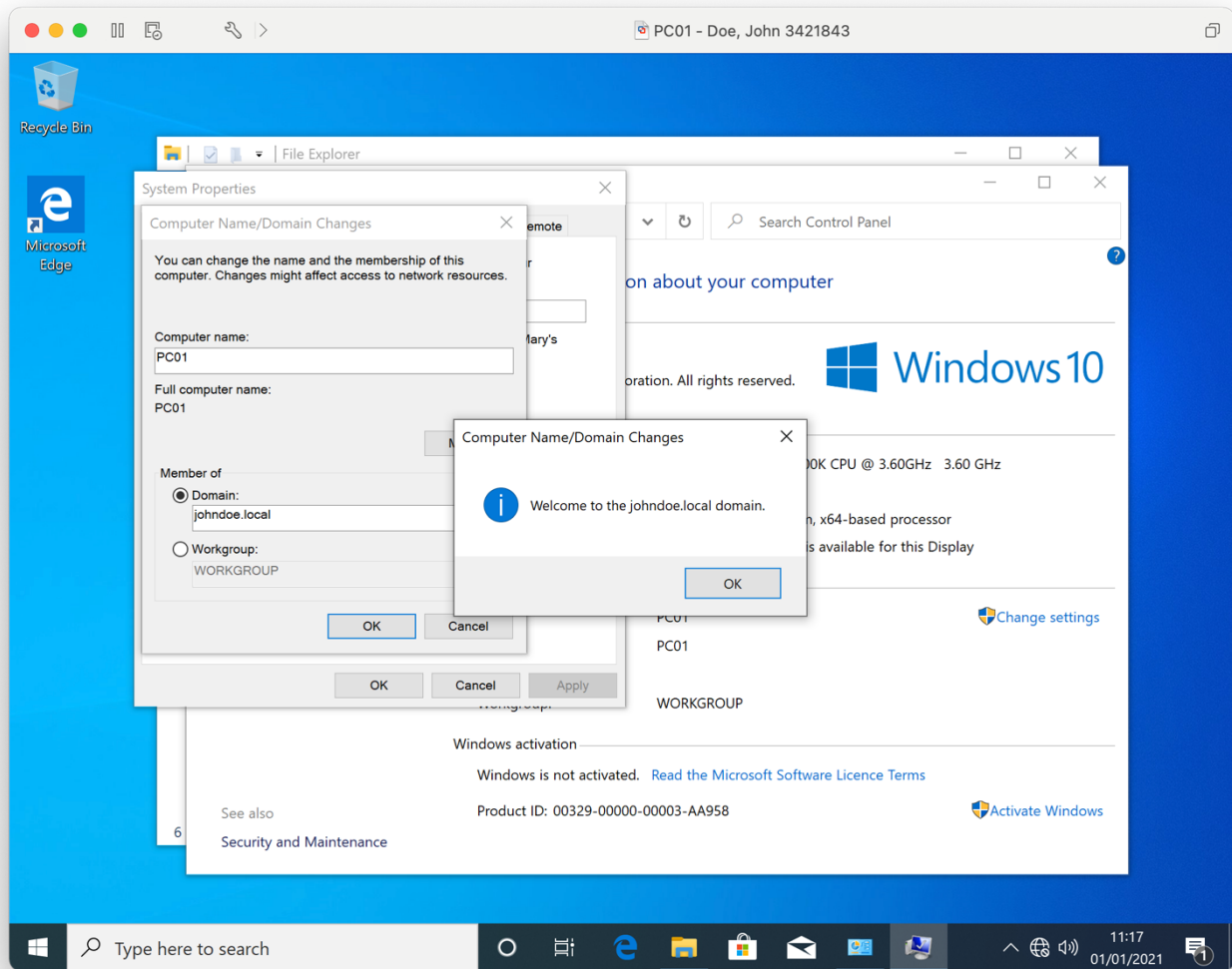


Domain joins

Server02 domain joined to (FirstnameSurname).local>

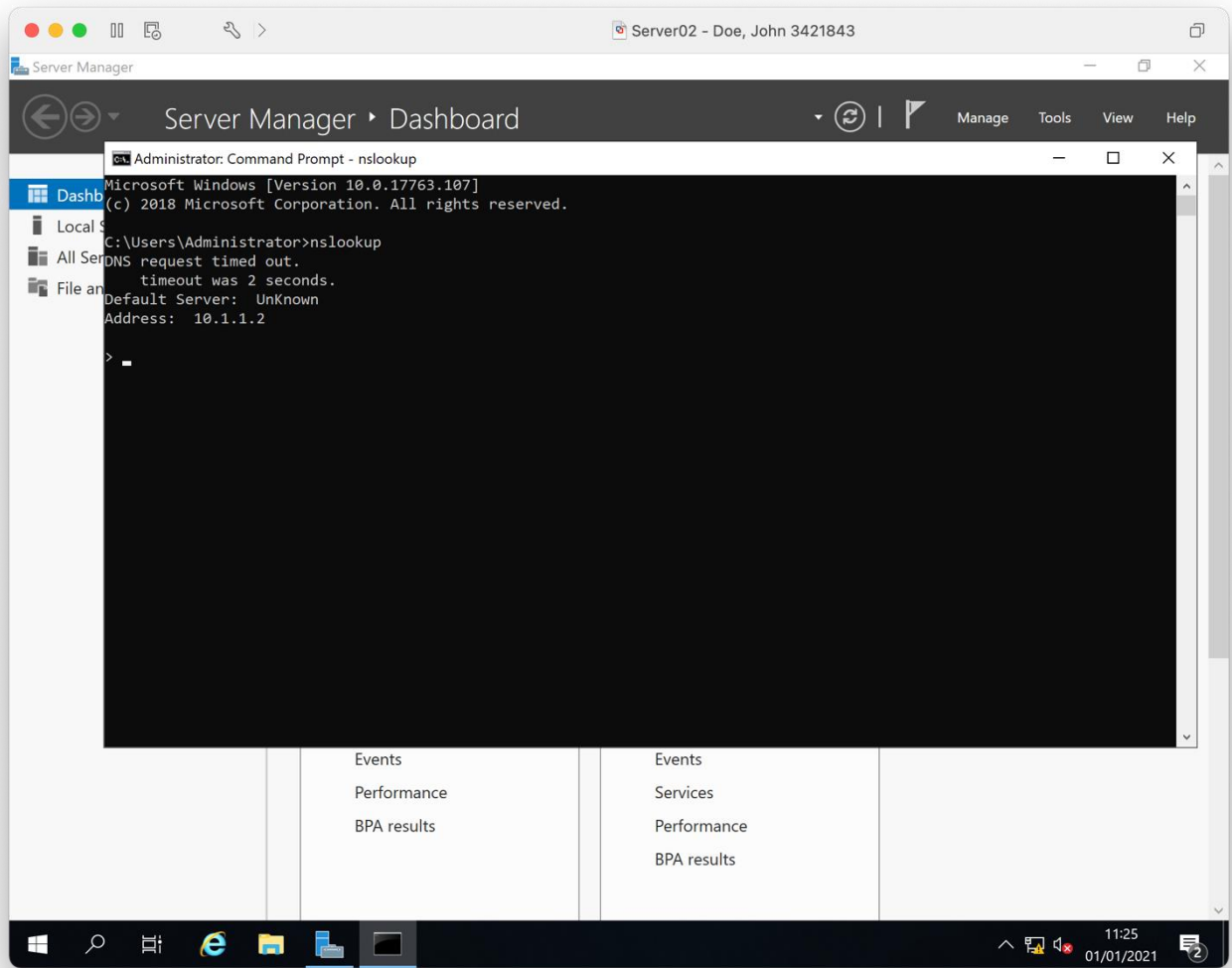


PC01 domain joined at logon to (FirstnameSurname).local



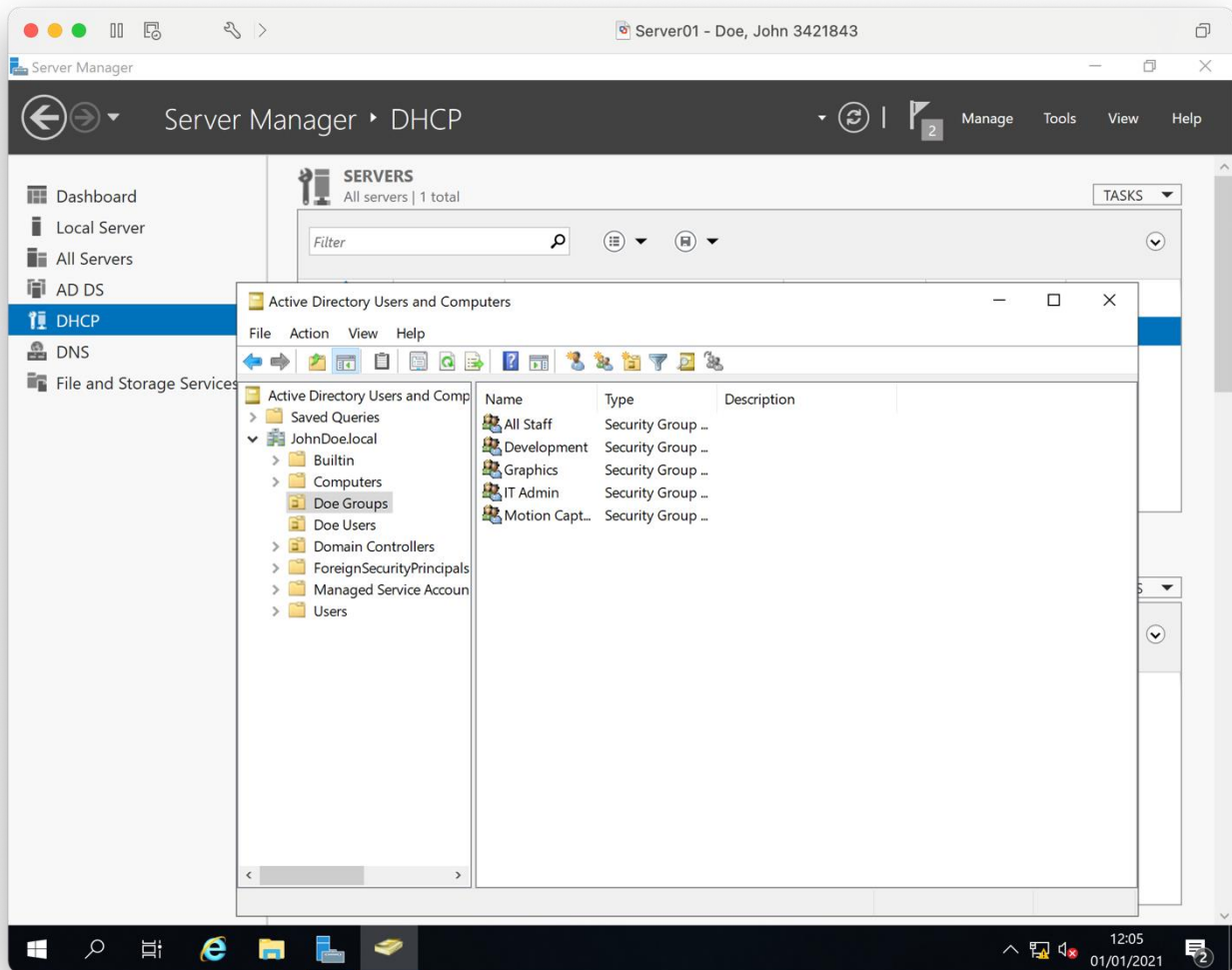
Reverse lookup

Server02 successfully completed a reverse lookup using NSLOOKUP to Server01



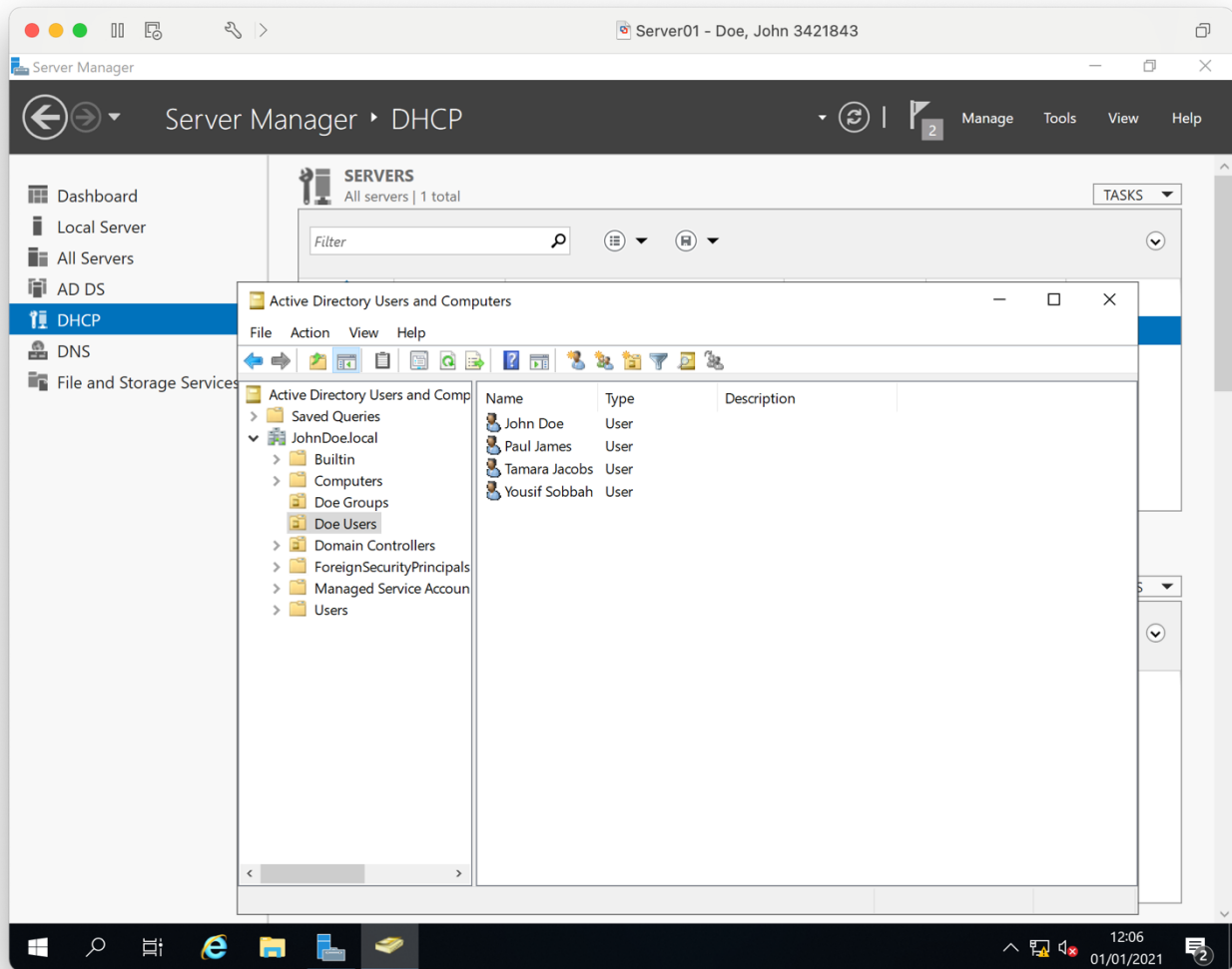
Step C

Group creation

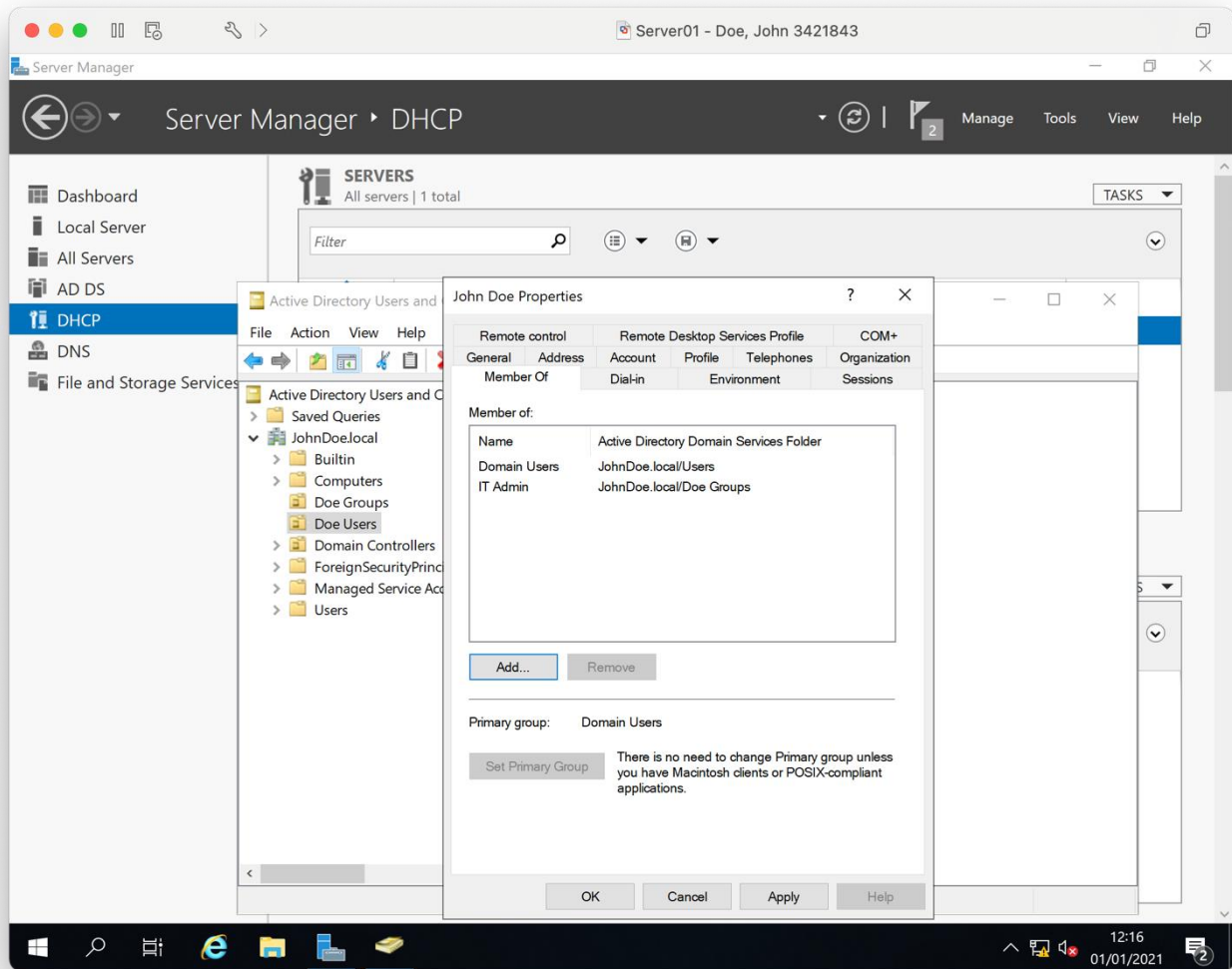


User creation

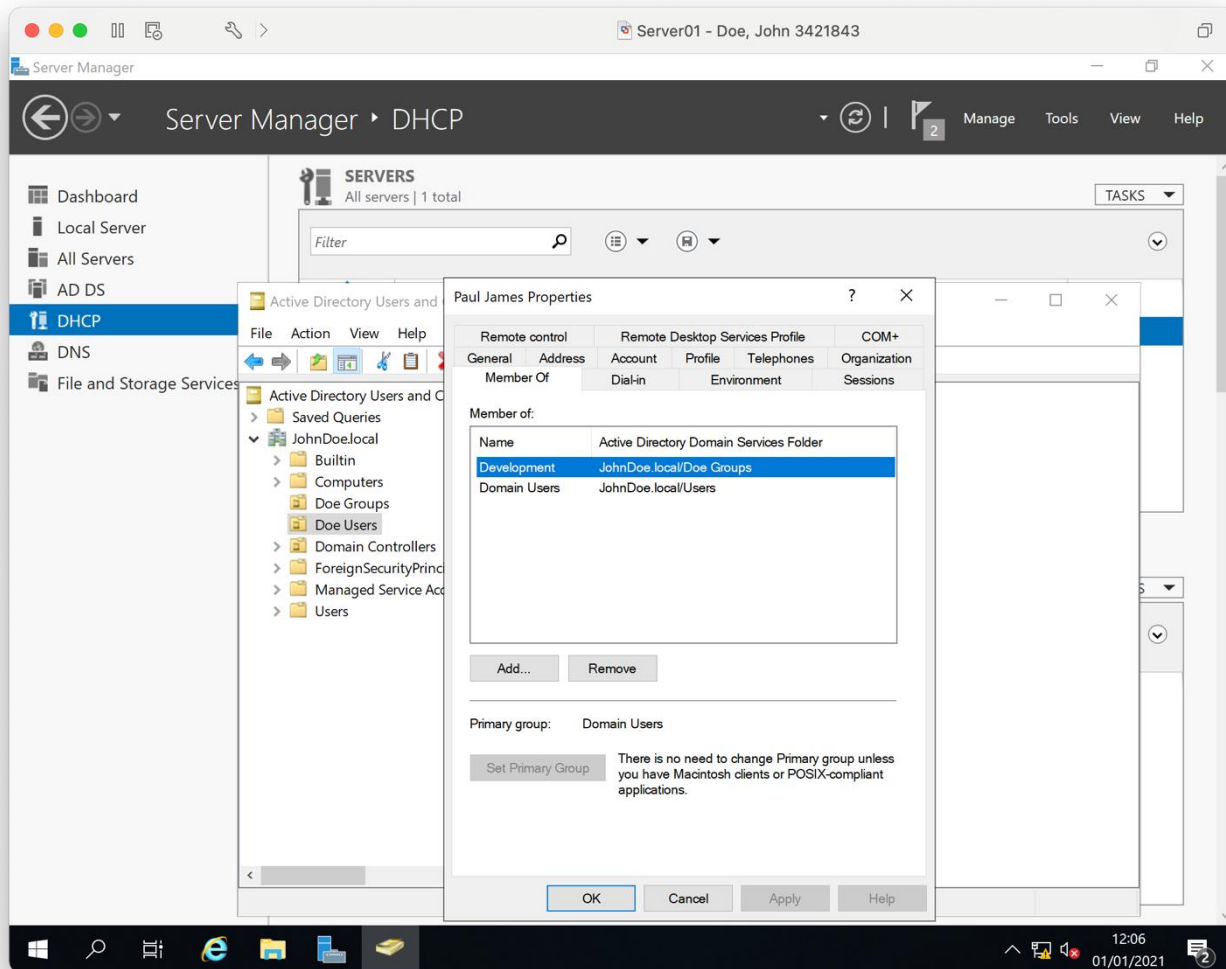
Users -Your first and surname, Paul James, Tamara Jacob and Yousif Sobbah has been created



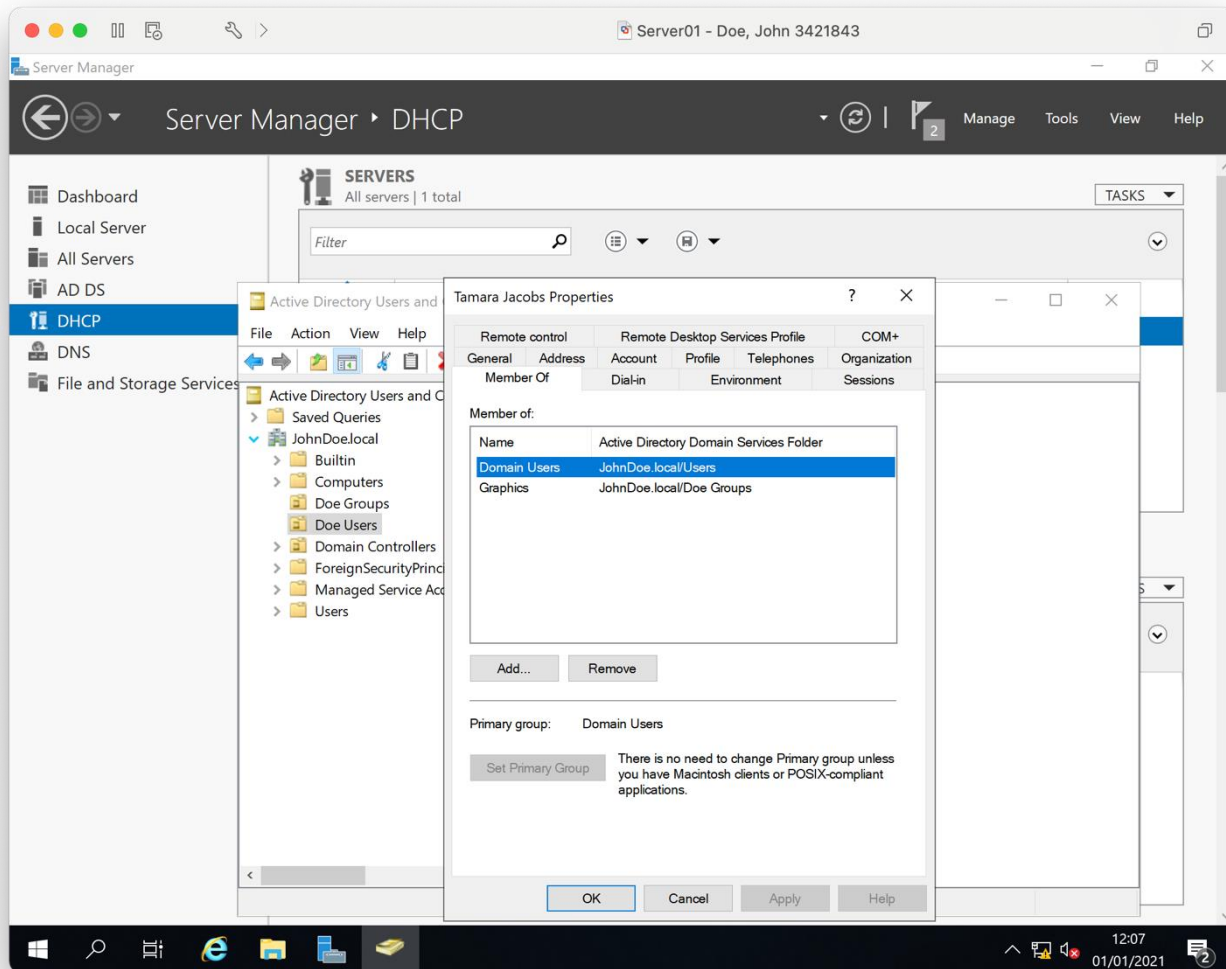
Your first and surname is now a member of the group IT admin



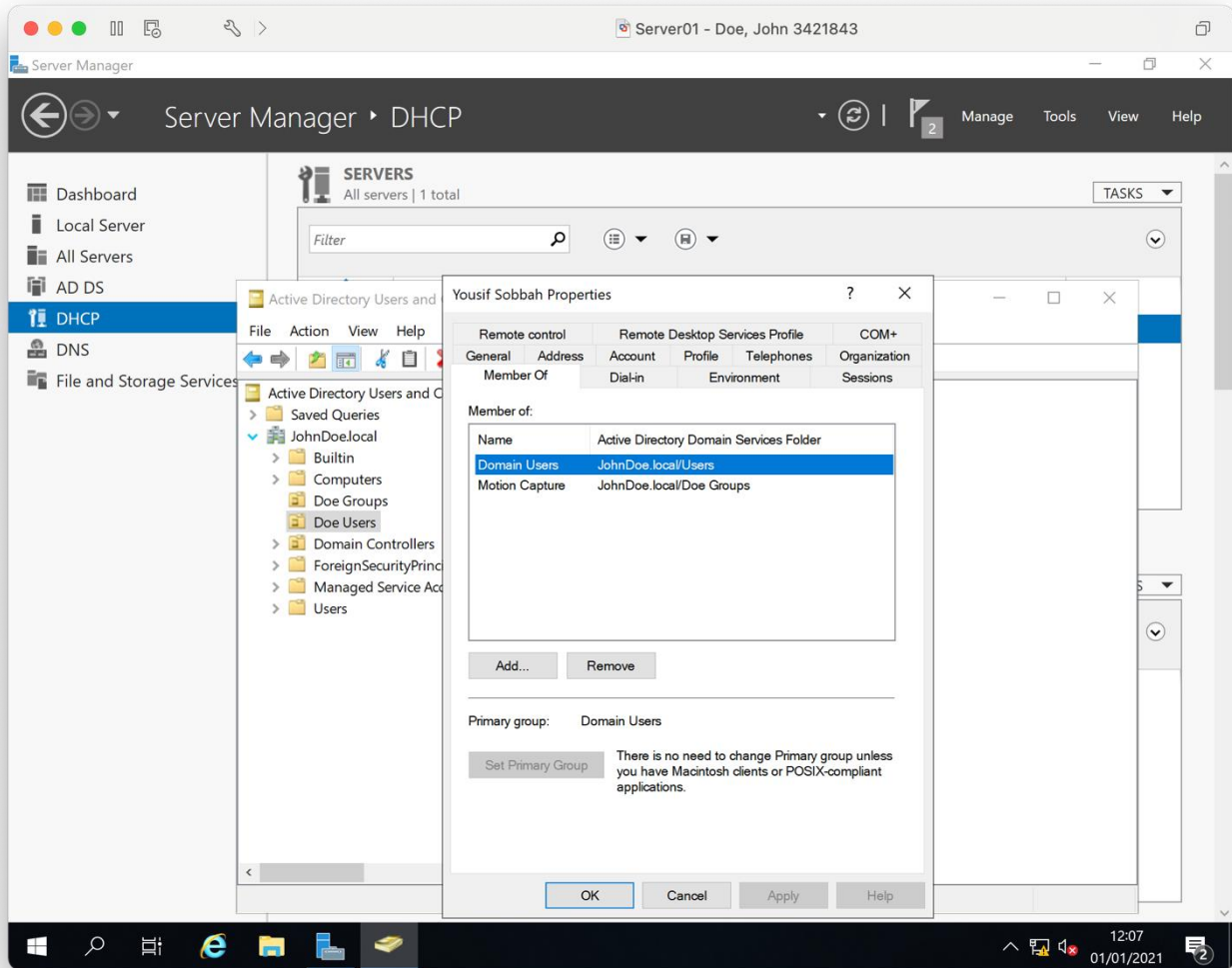
Paul James is now a member of the group Development



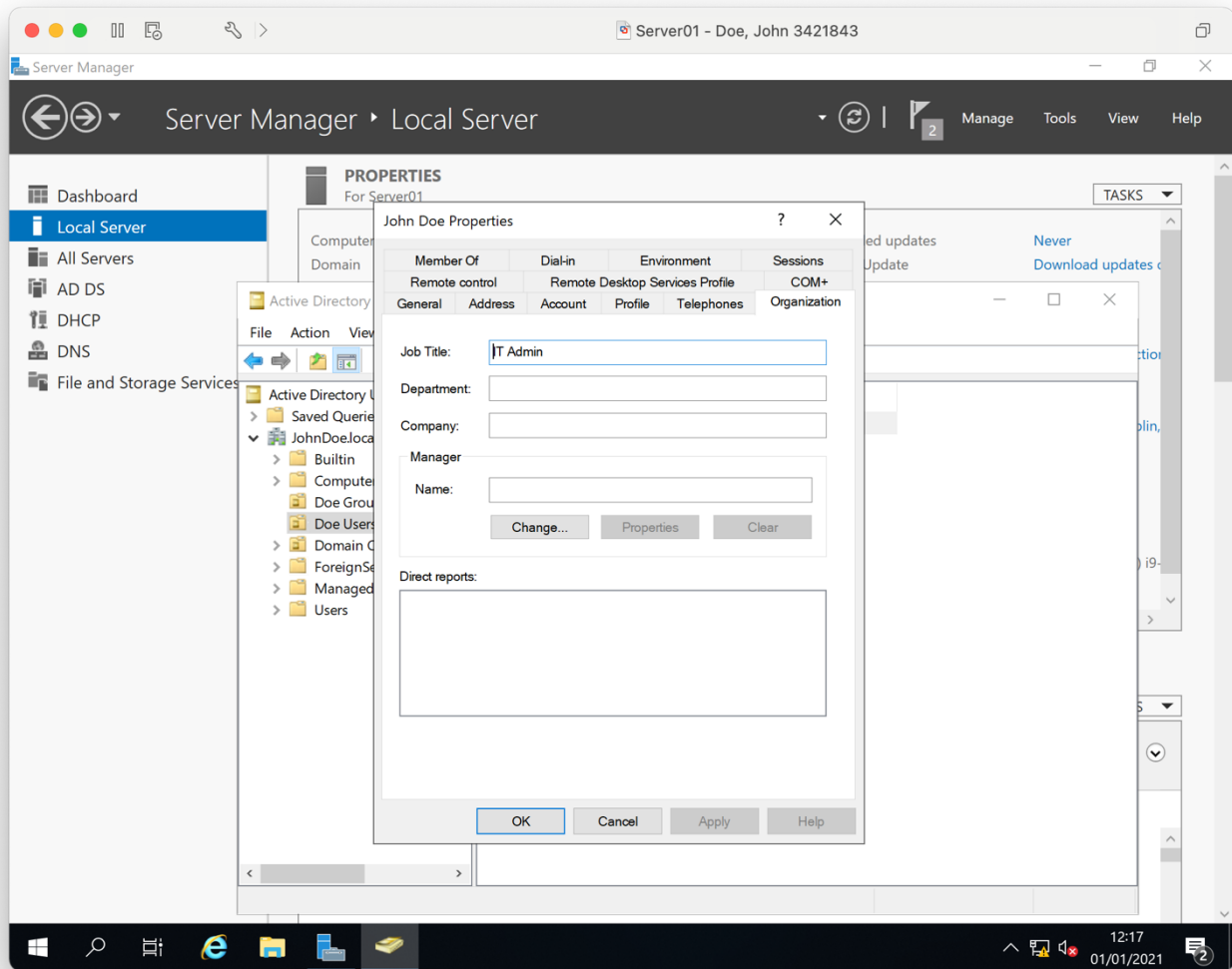
Tamara Jacobs is now a member of the group Graphics



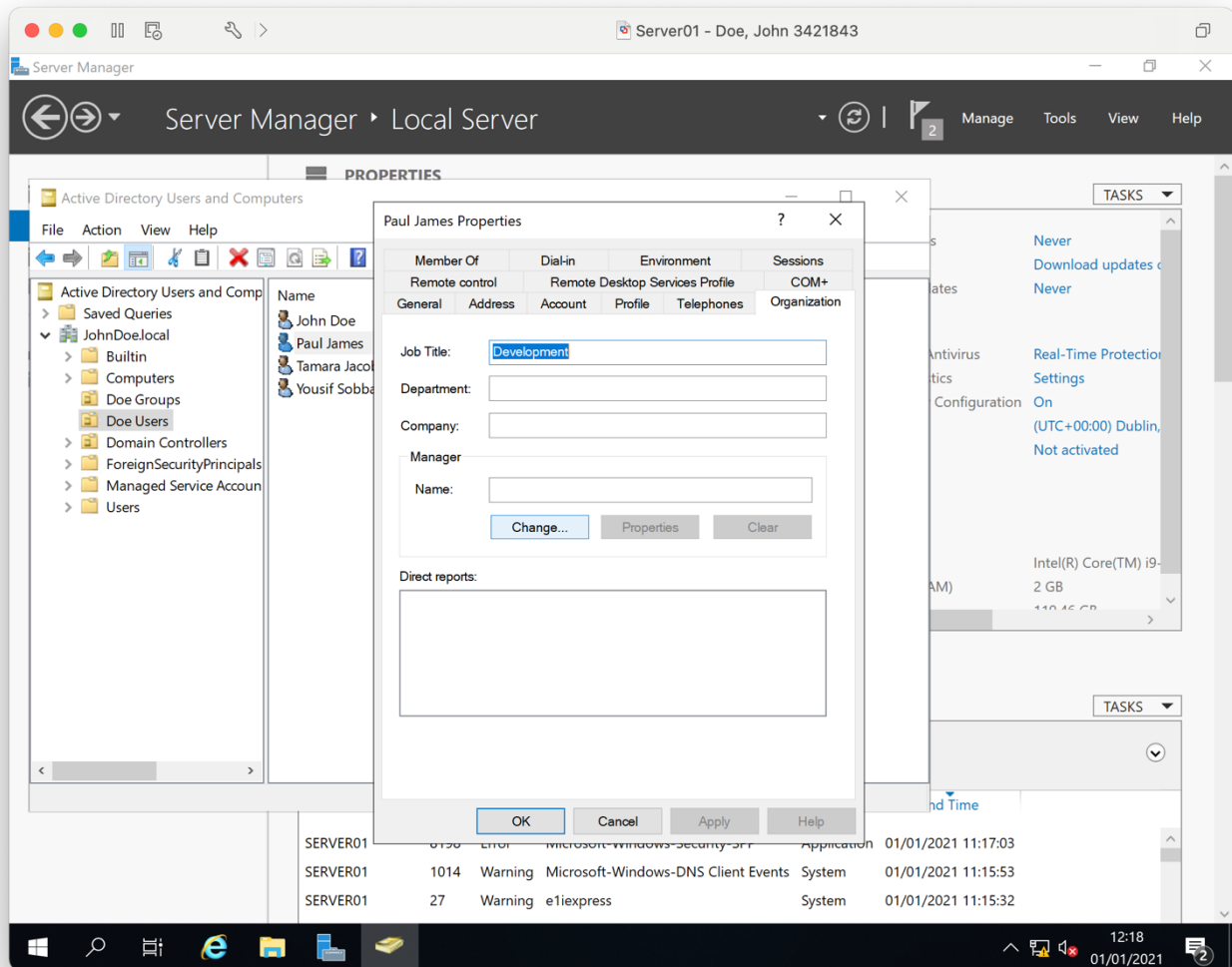
Yousif Sobbah is now a member of the group Motion capture



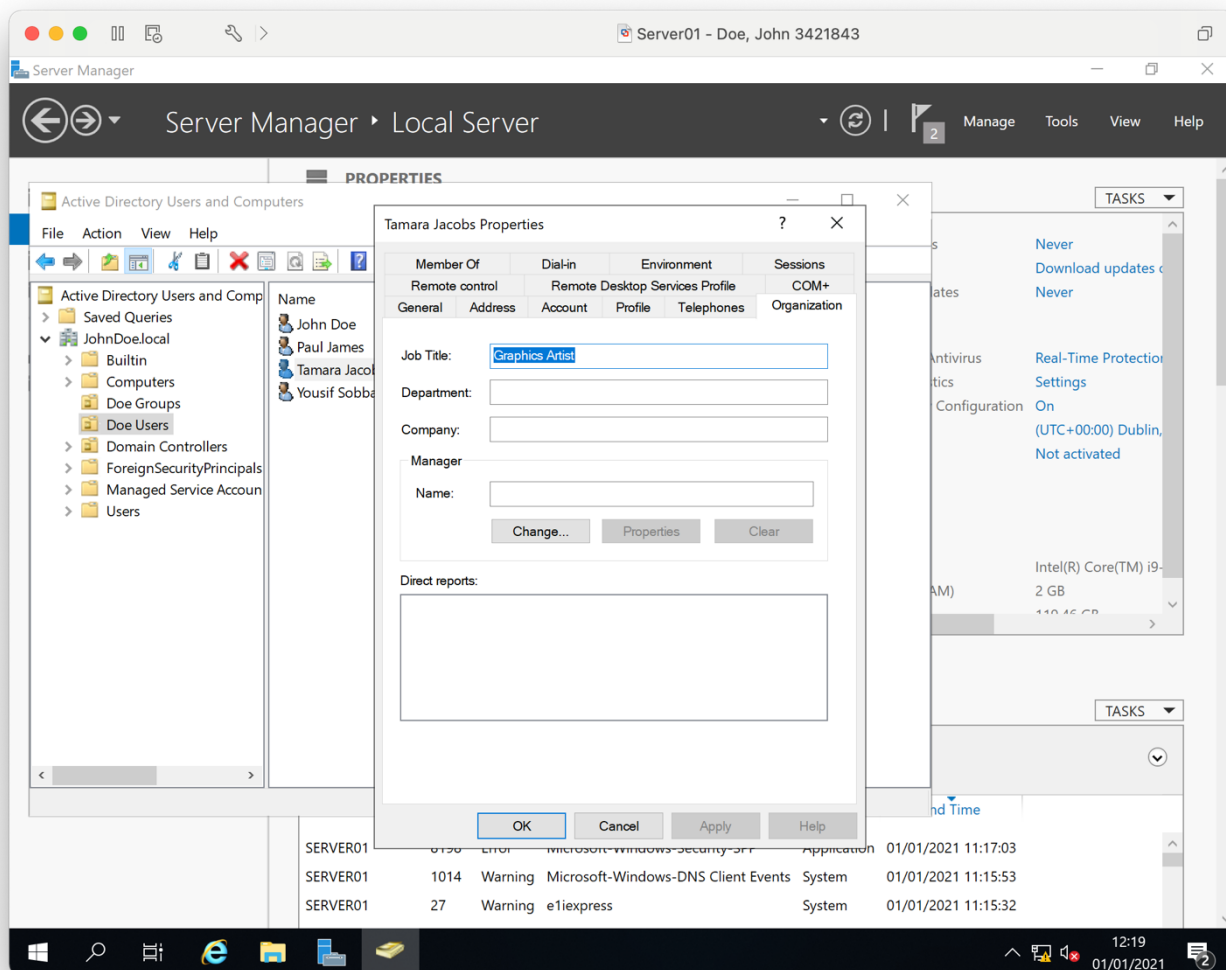
User Your first and surname has the job description of IT admin



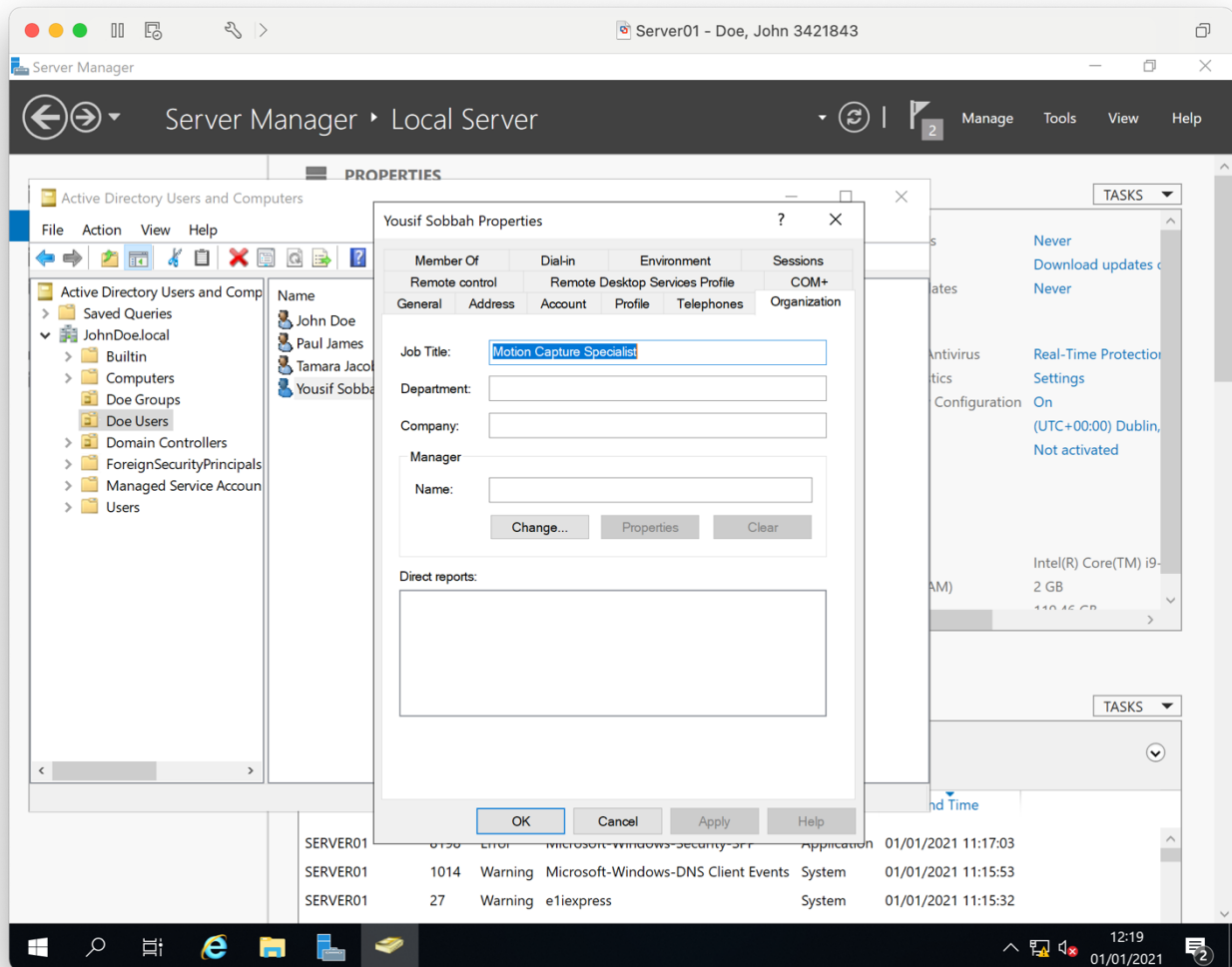
Paul James has the job description of Development



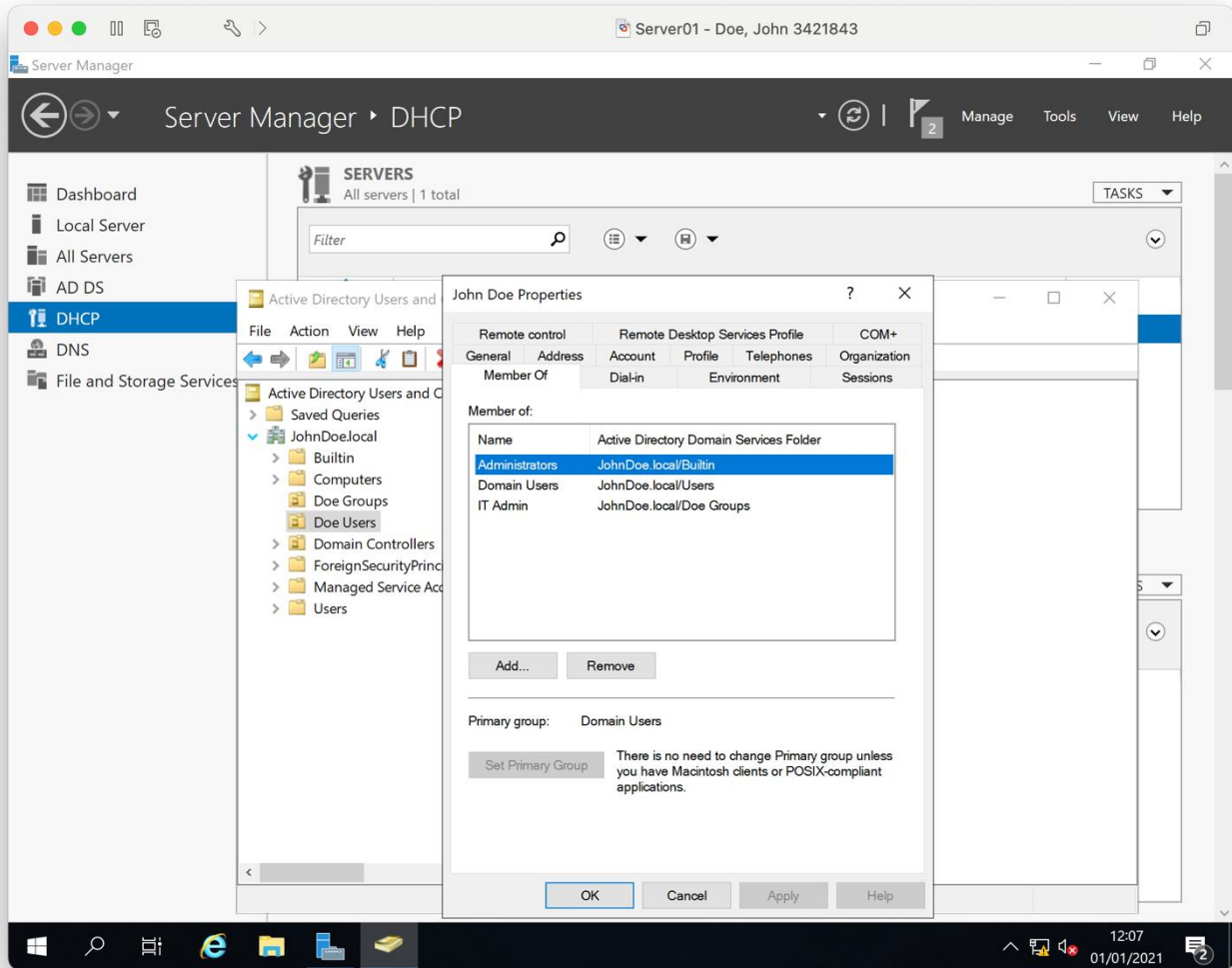
Tamara Jacobs has the job description of Graphics Artist



Yousif Sobbah has the job description of Motion capture specialist

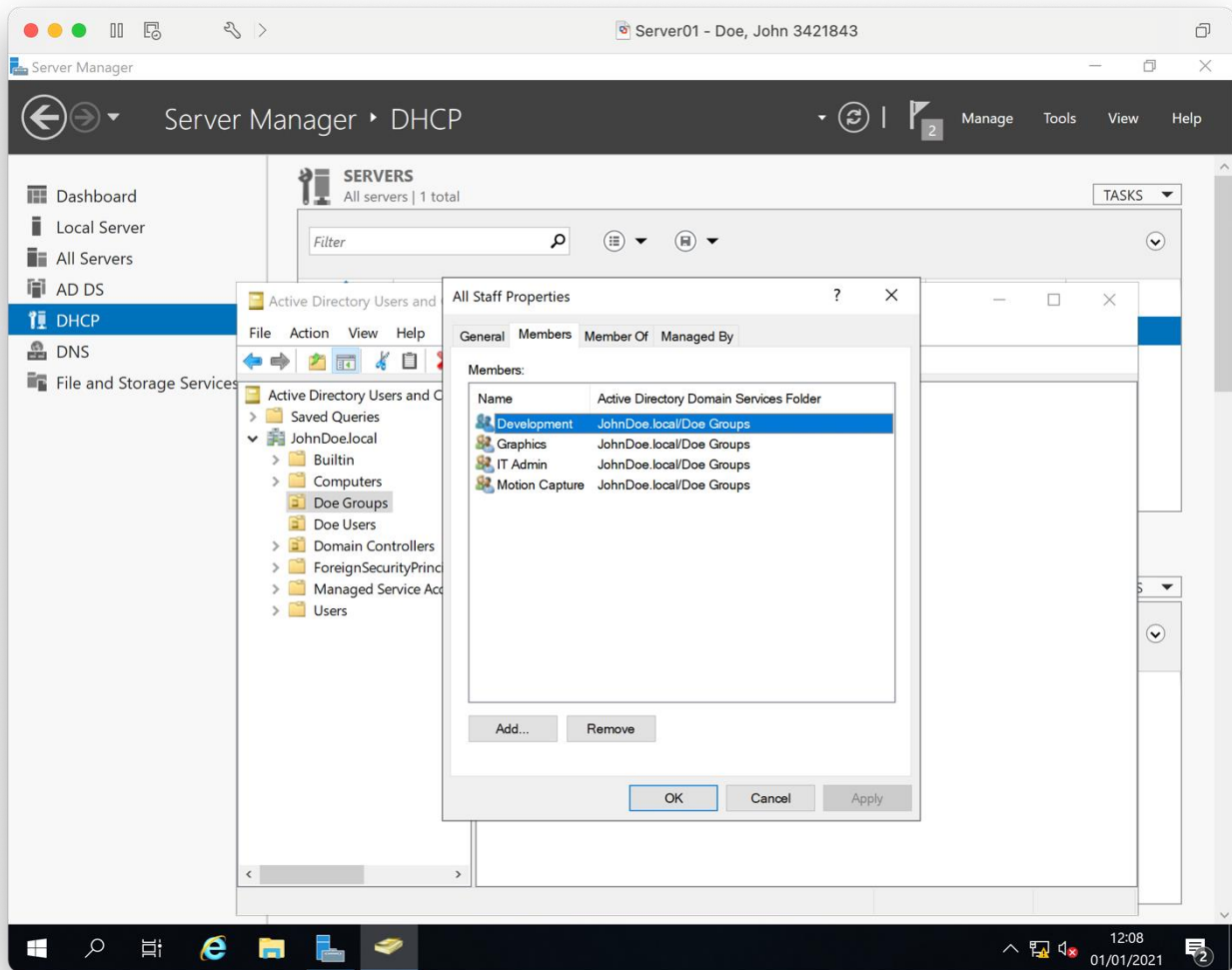


Your first and surname has been made an Administrator



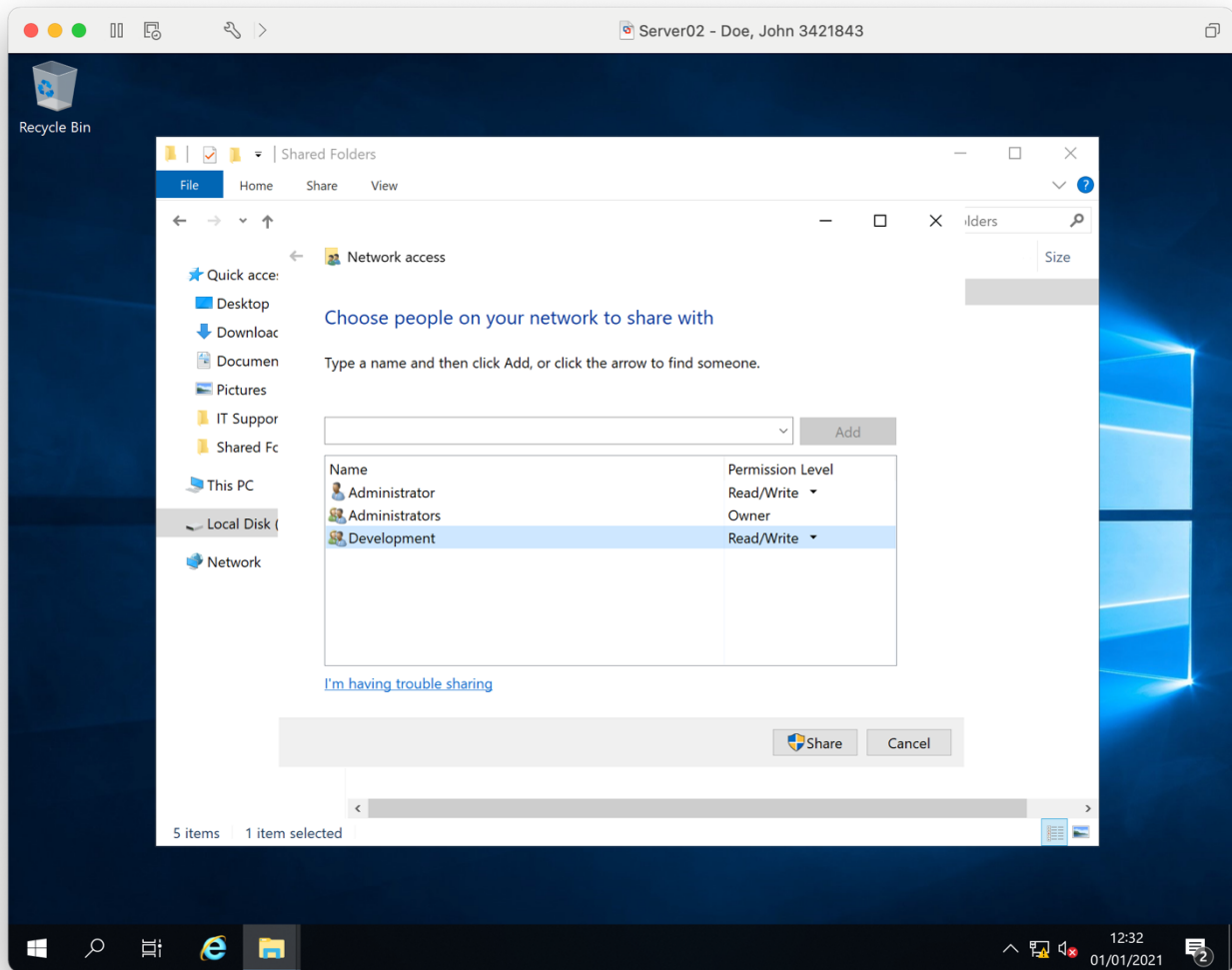
Staff added to groups

The groups developer, graphics, motion capture, IT admin have been added to the All staff group

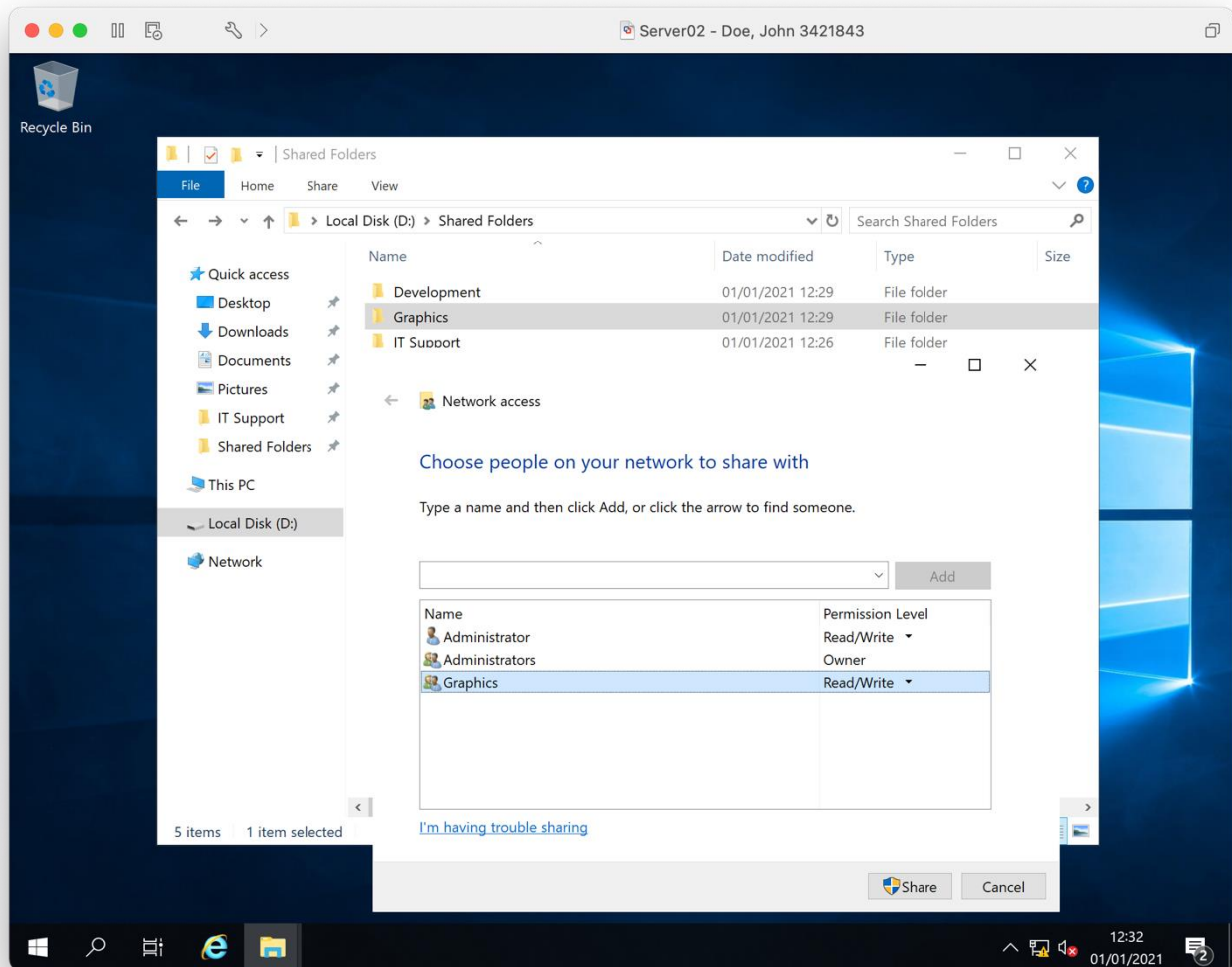


Folder permissions

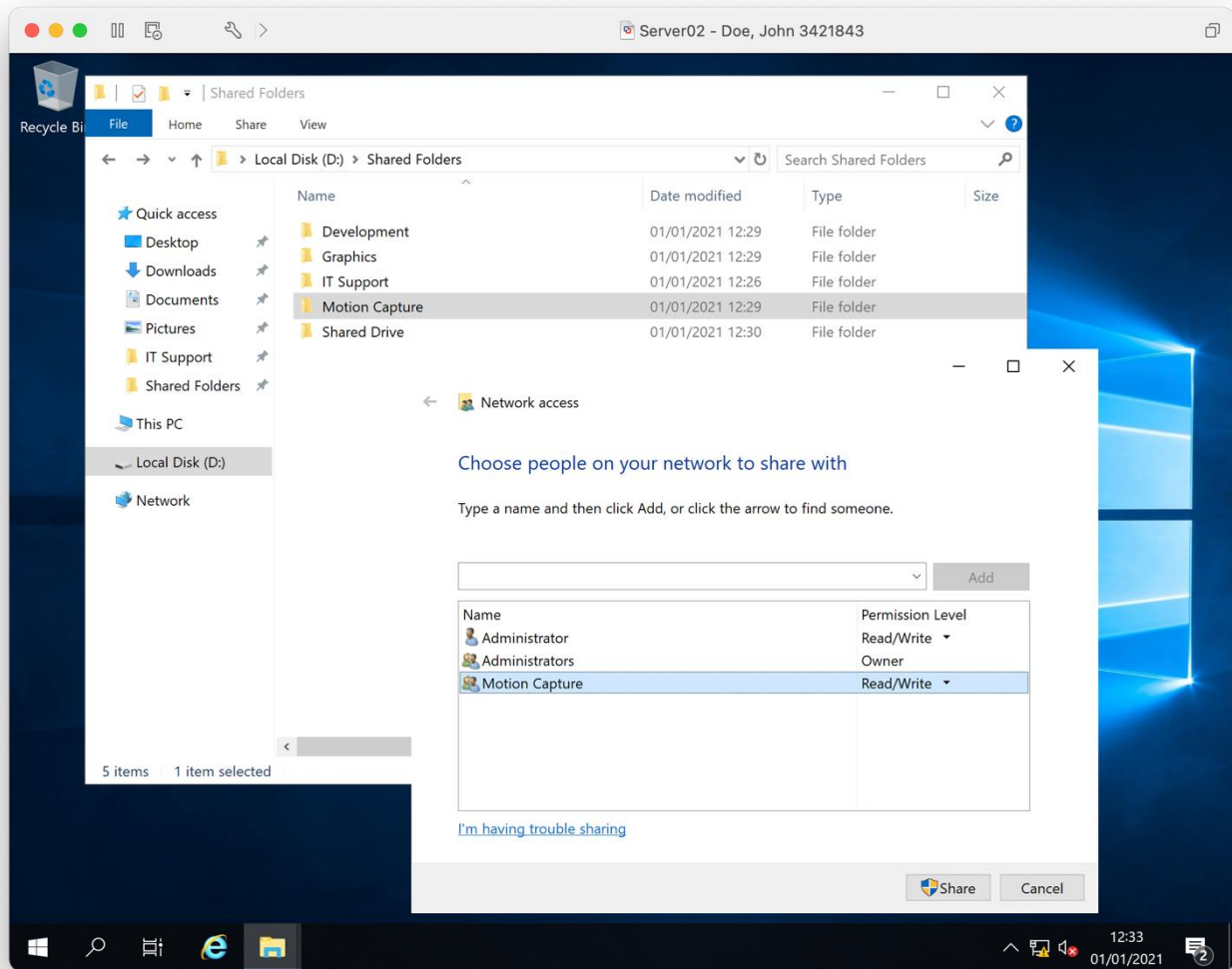
Development folder has the group Development added with Read and write permission



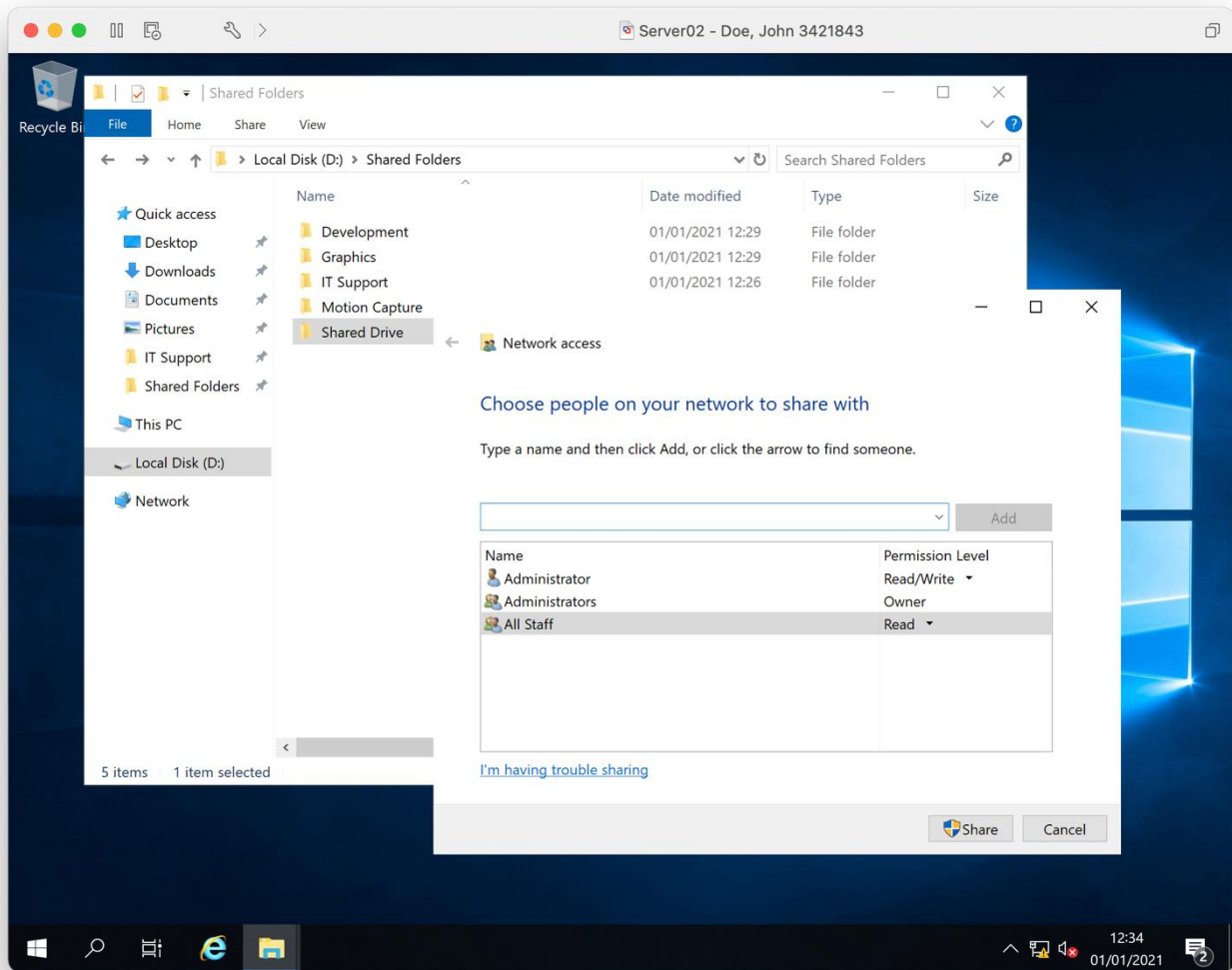
Graphics has the group Graphics added with Read and write permission



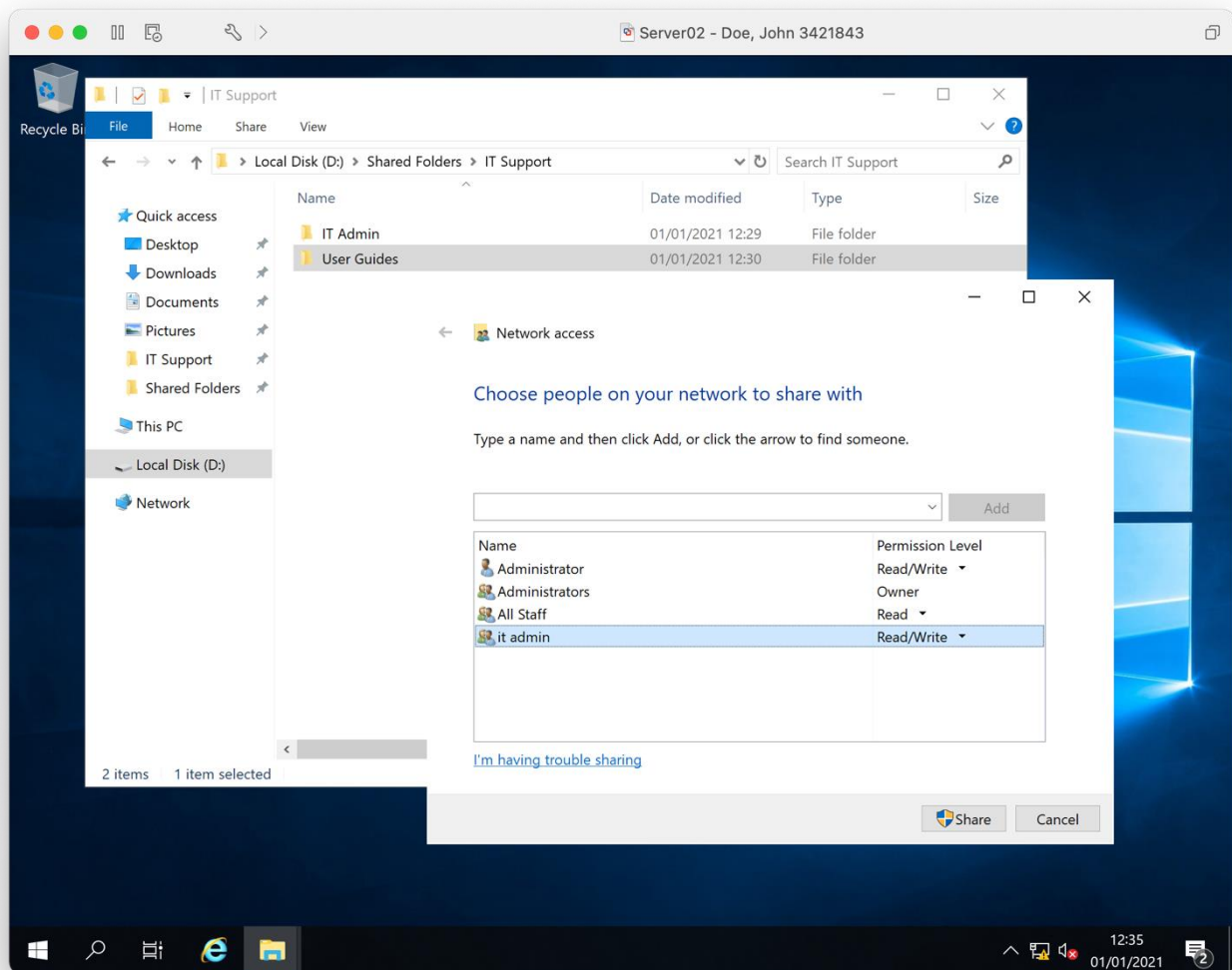
Motion Capture has the group Motion capture added with Read and write permission



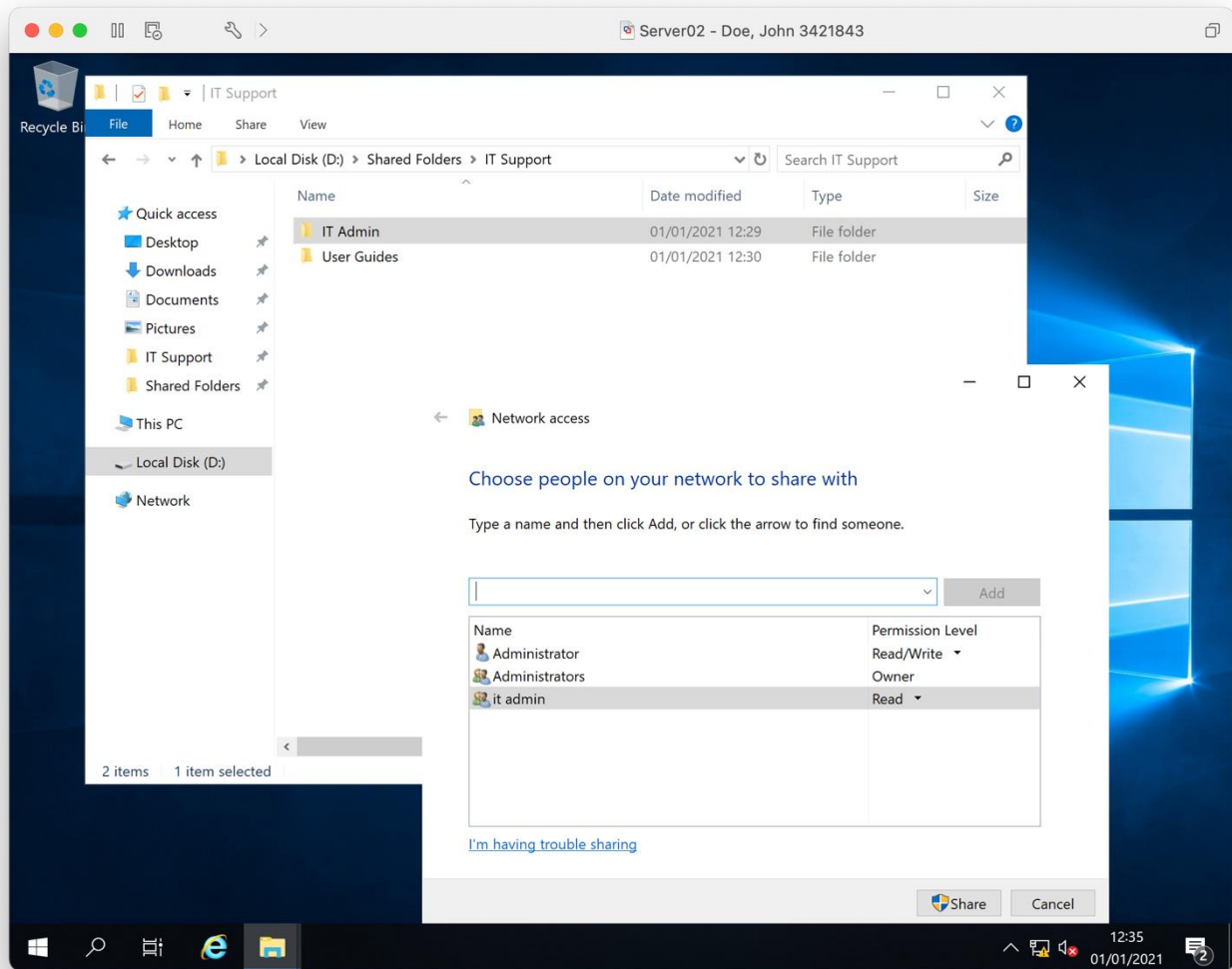
Shared Drive has the group All staff added with Read permission



User Guides has the group All staff added with Read permission and IT admin added with Read and write permission



IT admin has the group IT admin added with Read and write permission



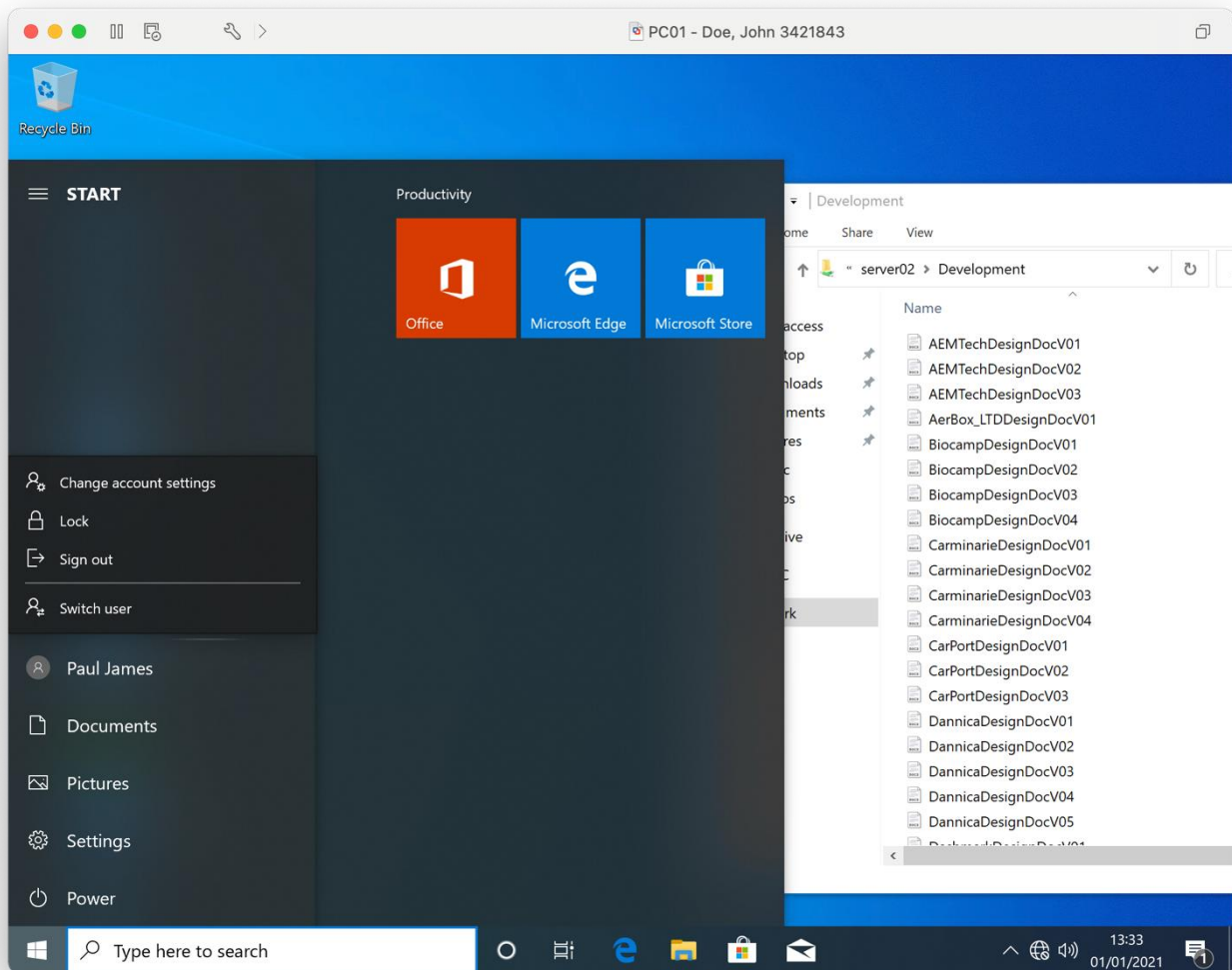
Folder testing

Add more rows to the table as required

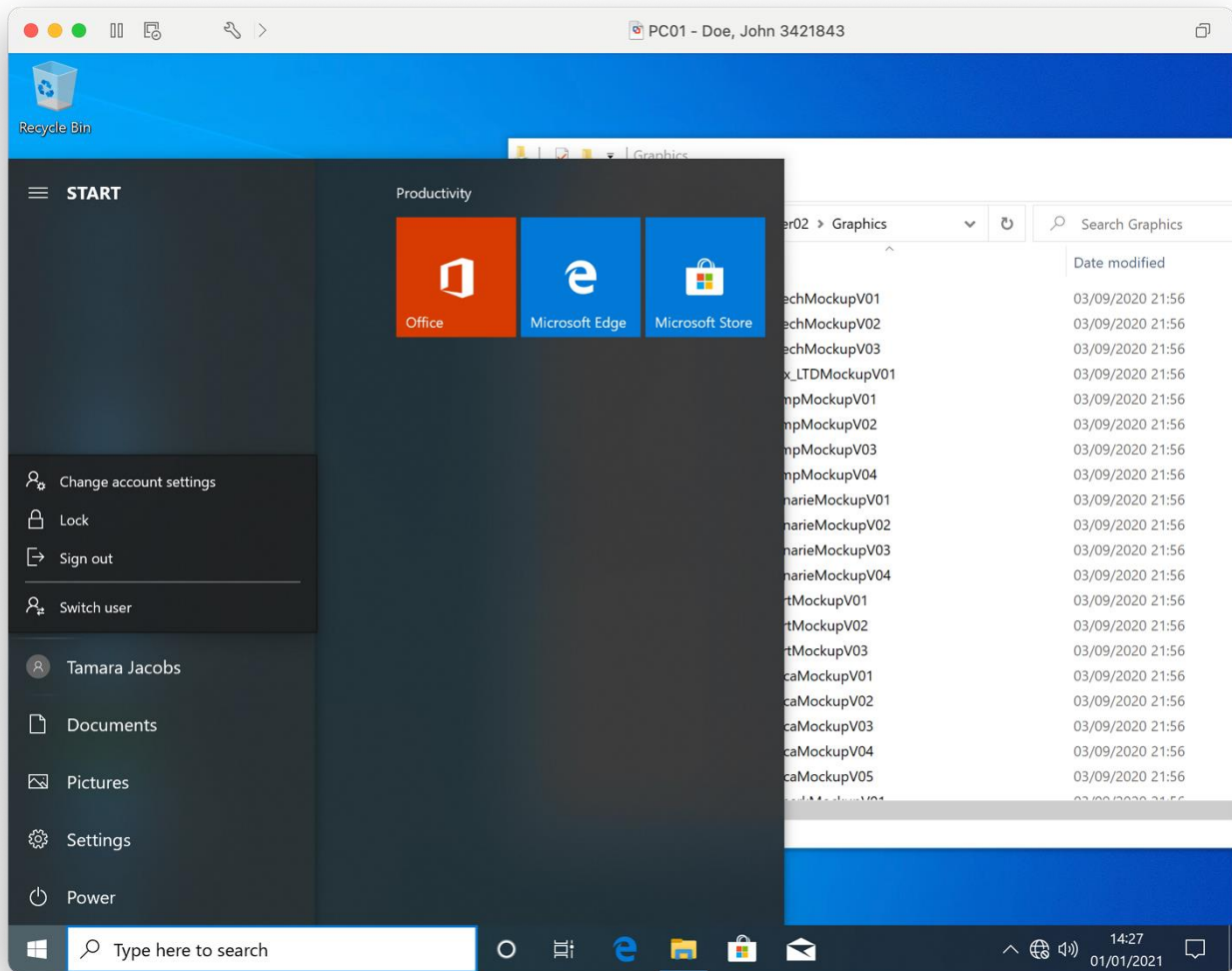
Test ID	Folder being tested	User account (Test data)	Test description and expected outcome	Actual outcome
1	Development	Paul James	Testing that a valid member of the Development group as Read access	The user was able to read files stored in the folder
2	Graphics	Tamara Jacobs	Testing that a valid member of the Graphics group as Read access	The user was able to read files stored in the folder
3	Motion Capture	Yousif Sobbah	Testing that a valid member of the Motion capture group as Read access	The user was able to read files stored in the folder
4	Shared Drive	Tamara Jacobs	Testing that a valid member of the All staff group as Read access	The user was able to read files stored in the folder
5	User Guides	Tamara Jacobs	Testing that a valid member of the All staff group as Read access	The user was able to read files stored in the folder
6	User Guides	Your first and Surname	Testing that a valid member of the IT admin group as Read access	The user was able to read files stored in the folder
7	IT admin	Your first and Surname	Testing that a valid member of the IT admin group as Read access	The user was able to read files stored in the folder
8	Development	Paul James	Testing that a valid member of the Development group has Read and write access	The user was able to write to files stored in the folder

9	Graphics	Tamara Jacobs	Testing that a valid member of the Graphics has Read and write access	The user was able to write to files stored in the folder
10	Motion Capture	Yousif Sobbah	Testing that a valid member of the Motion capture group as Read and write access	The user was able to write to files stored in the folder
11	User Guides	Your first and Surname	Testing that a valid member of the IT admin group as Read and write access	The user was able to write to files stored in the folder
12	IT admin	Your first and Surname	Testing that a valid member of the IT admin group as Read and write access	The user was able to write to files stored in the folder
13	Development	Tamara Jacobs	Testing to see if an invalid user has Read access	The user was unable to write to files stored in the folder
14	Graphics	Yousif Sobbah	Testing to see if an invalid user has Read access	The user was unable to read files stored in the folder
15	Motion Capture	Paul James	Testing to see if an invalid user has Read access	The user was unable to read files stored in the folder
16	User Guides	Tamara Jacobs	Testing to see if an invalid user has Read access	The user was unable to read files stored in the folder
17	IT admin	Tamara Jacobs	Testing to see if an invalid user has Read access	The user was unable to read files stored in the folder

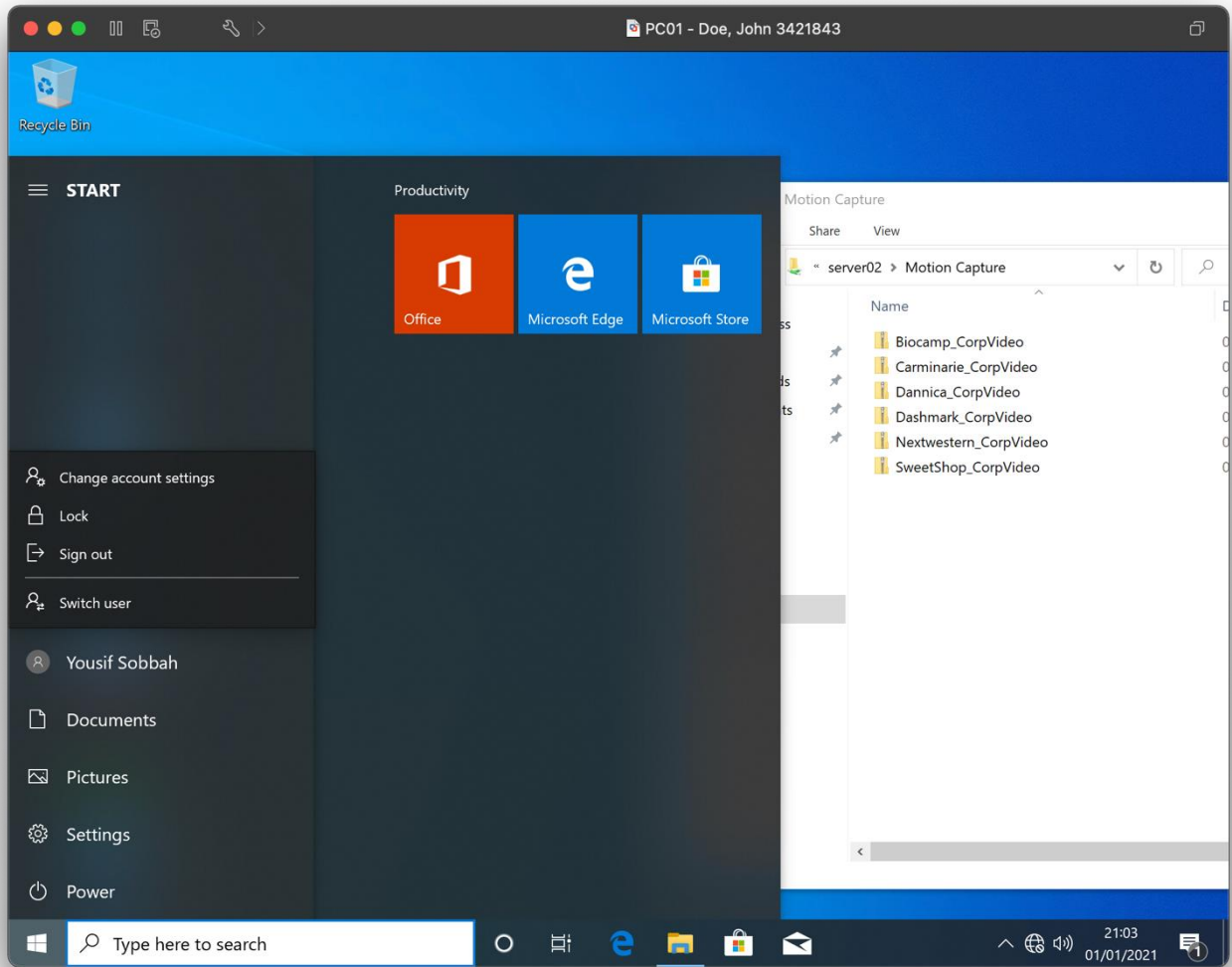
Print screen showing the result of test number 1, showing the folder opens correctly



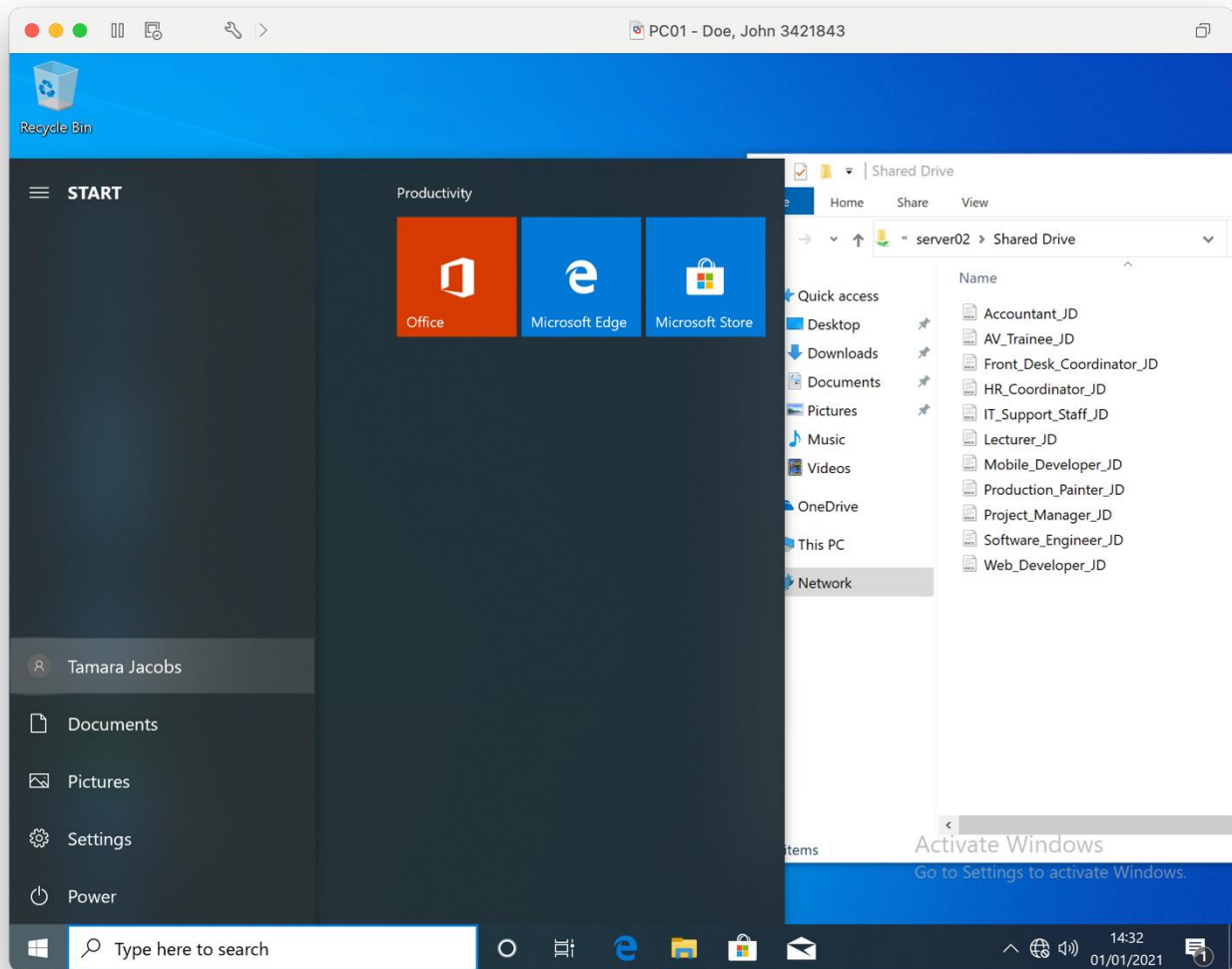
Print screen showing the result of test number 2, showing the folder opens correctly



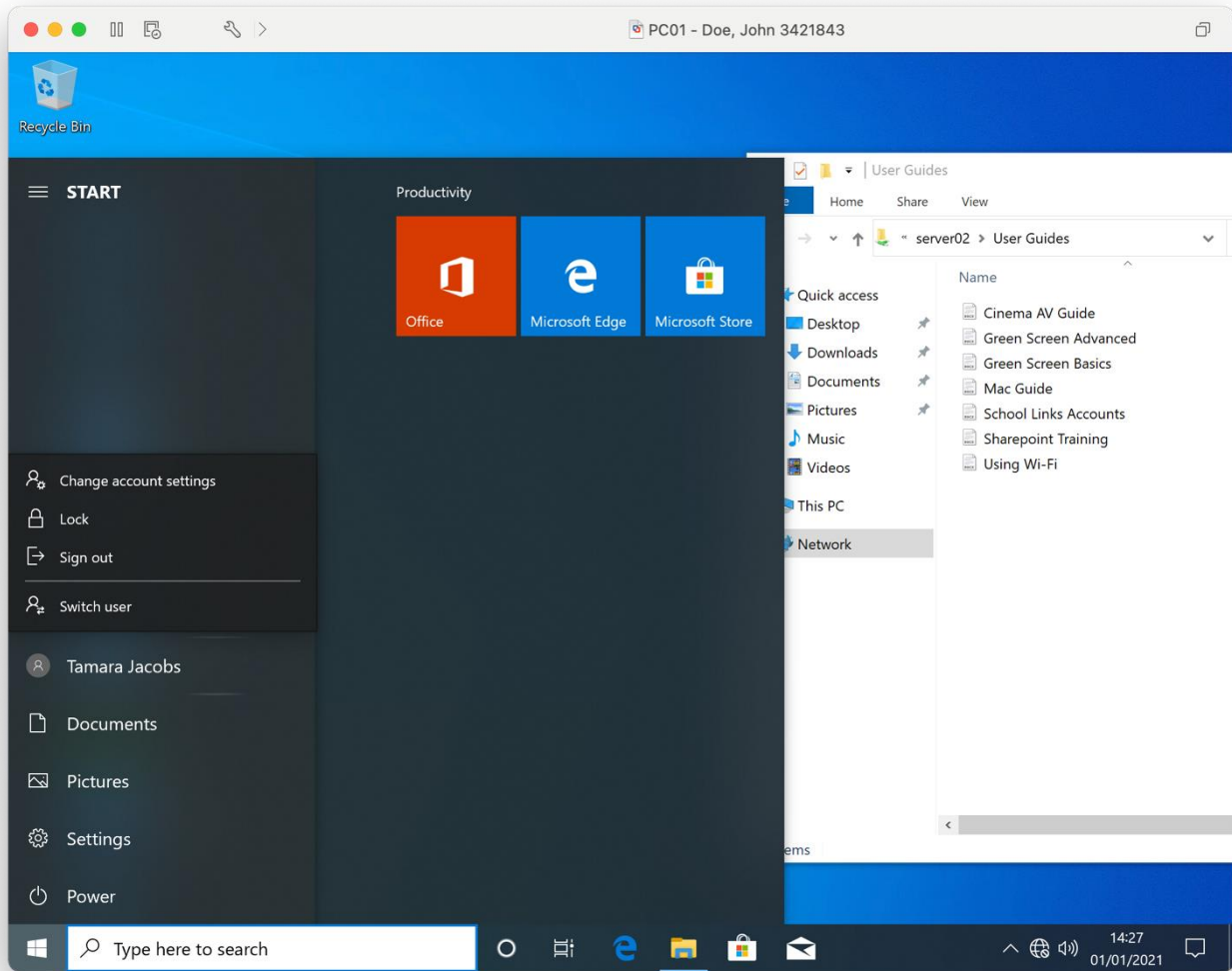
Print screen showing the result of test number 3, showing the folder opens correctly



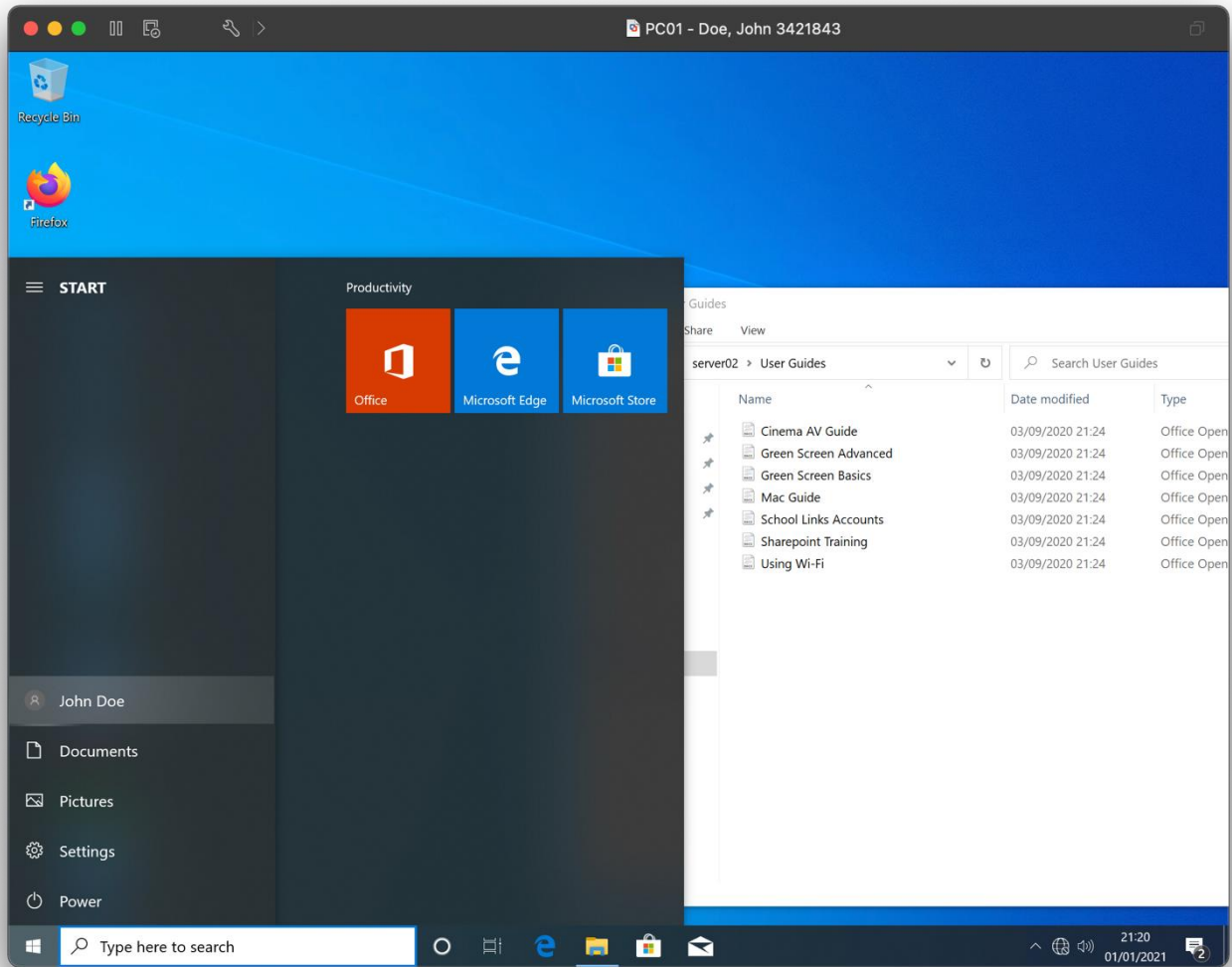
Print screen showing the result of test number 4, showing the folder opens correctly



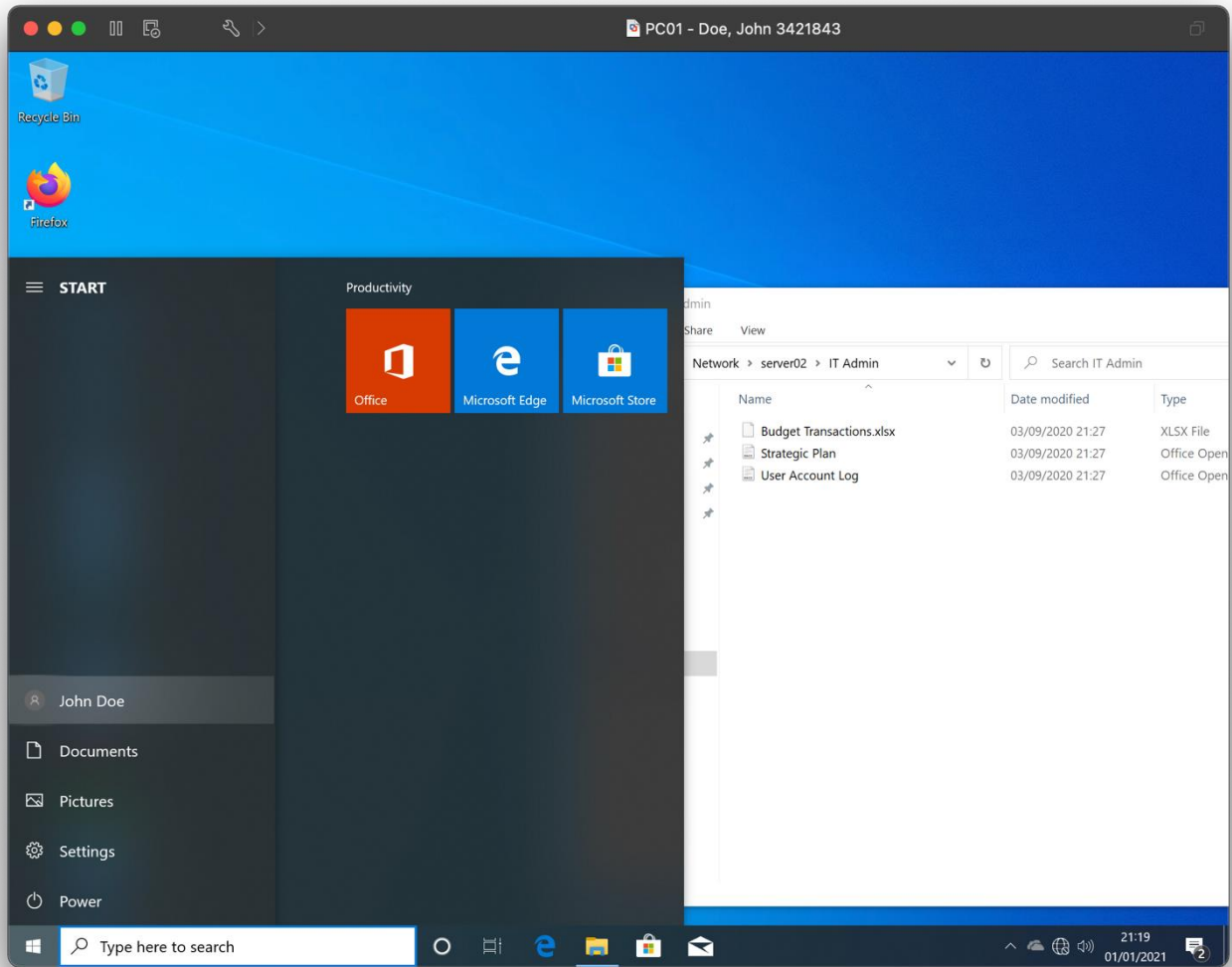
Print screen showing the result of test number 5, showing the folder opens correctly



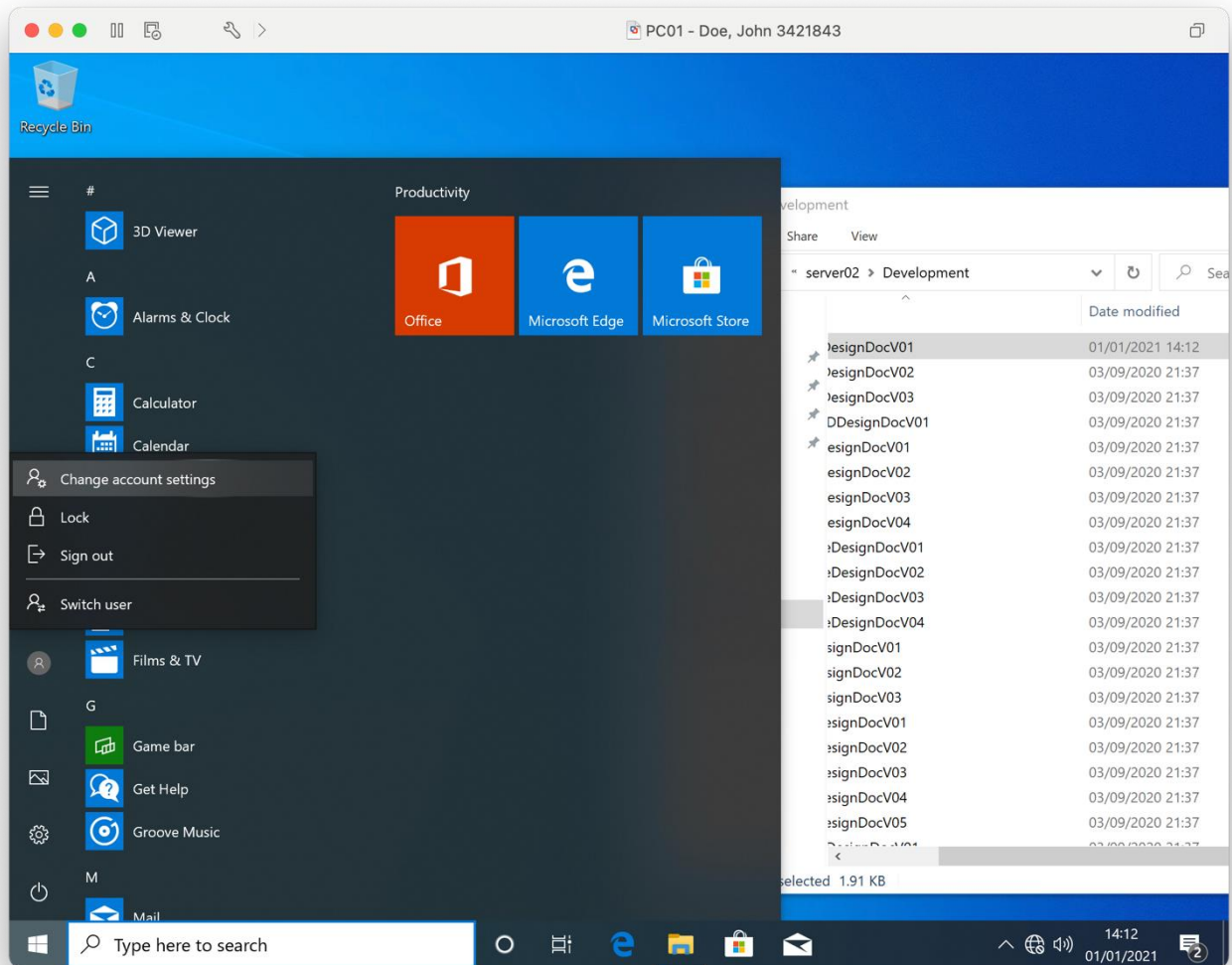
Print screen showing the result of test number 6, showing the folder opens correctly



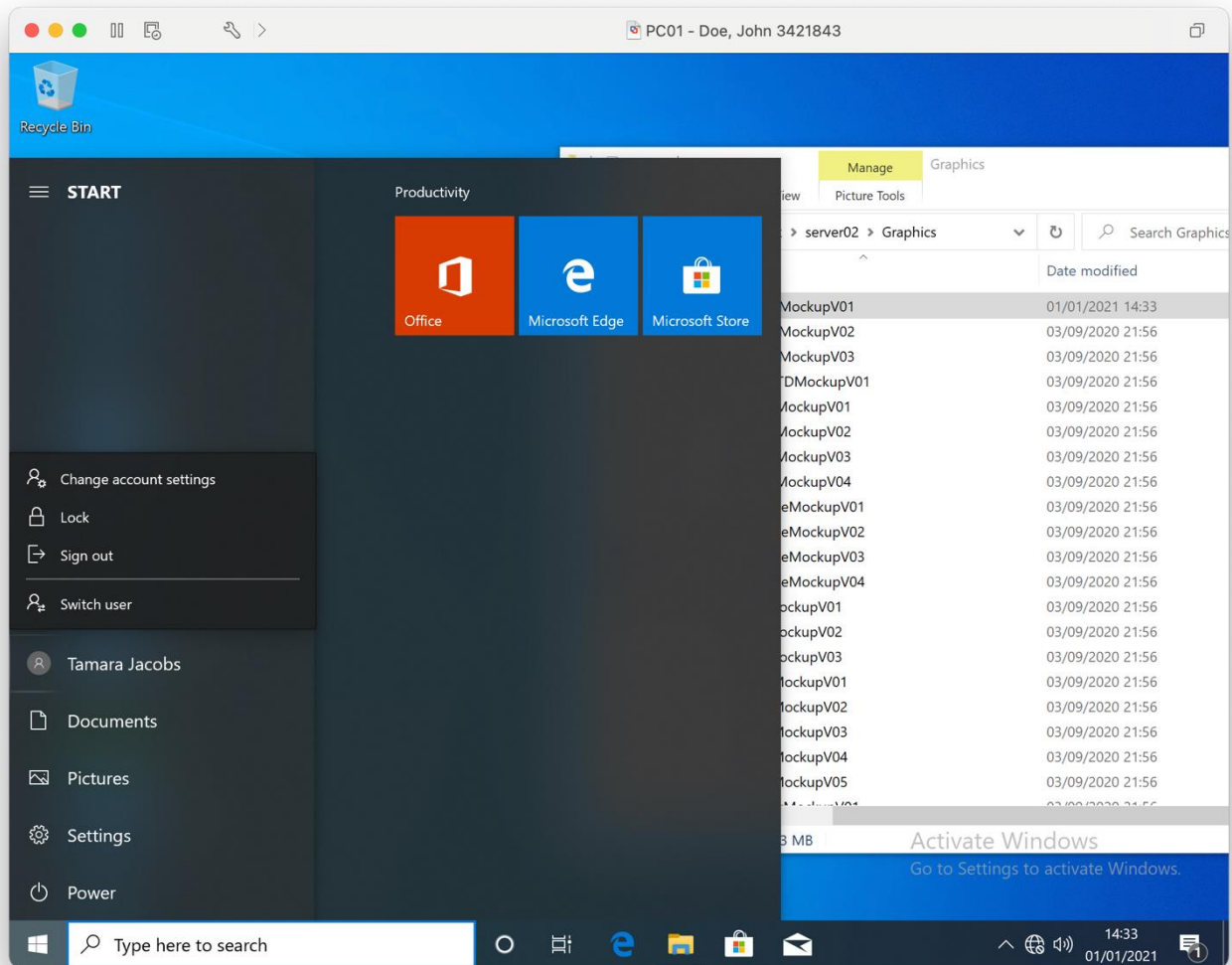
Print screen showing the result of test number 7, showing the folder opens correctly



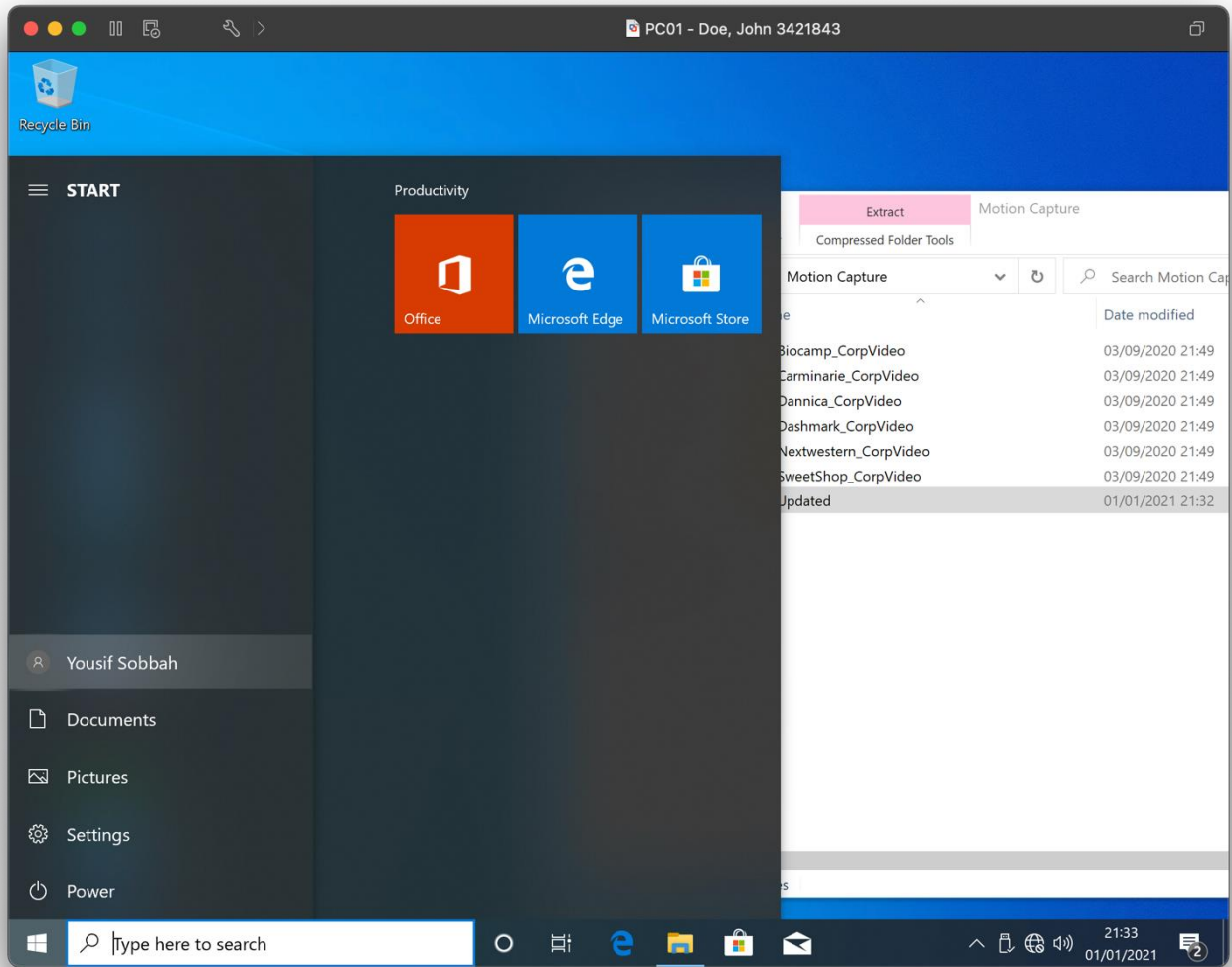
Print screen showing the result of test number 8, showing the file has been opened and saved back correctly



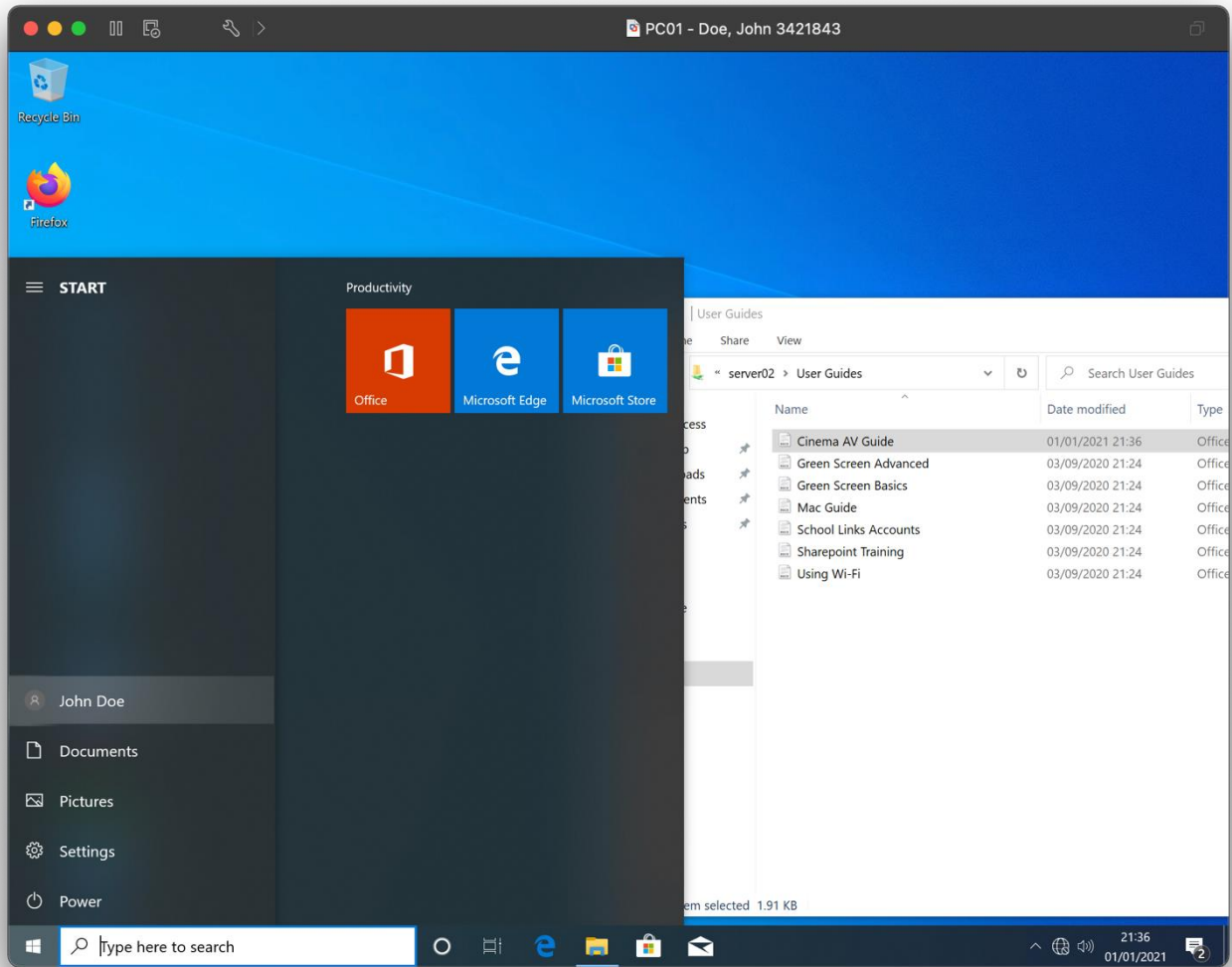
Print screen showing the result of test number 9, showing the file has been opened and saved back correctly



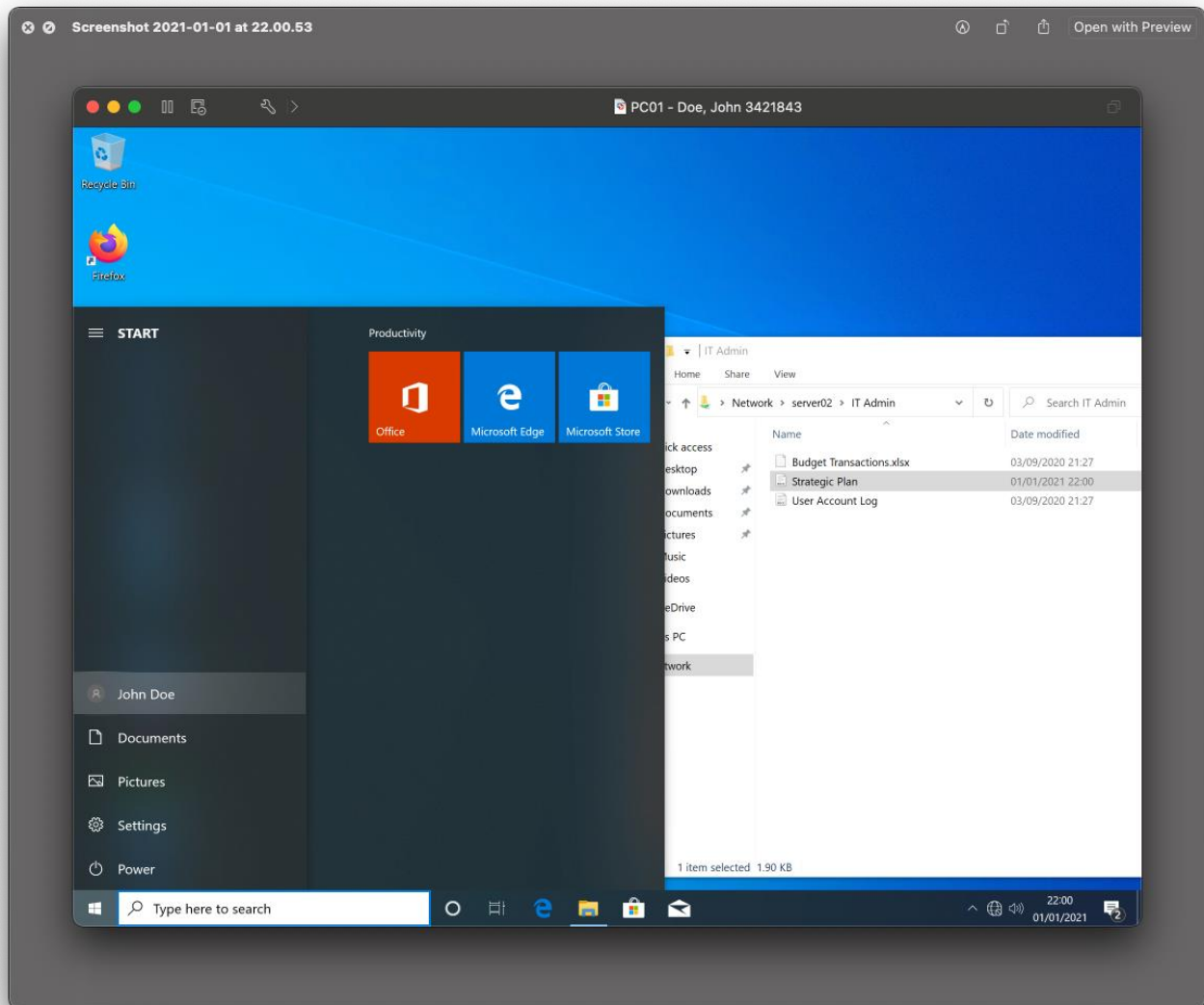
Print screen showing the result of test number 10, showing the file has been opened and saved back correctly

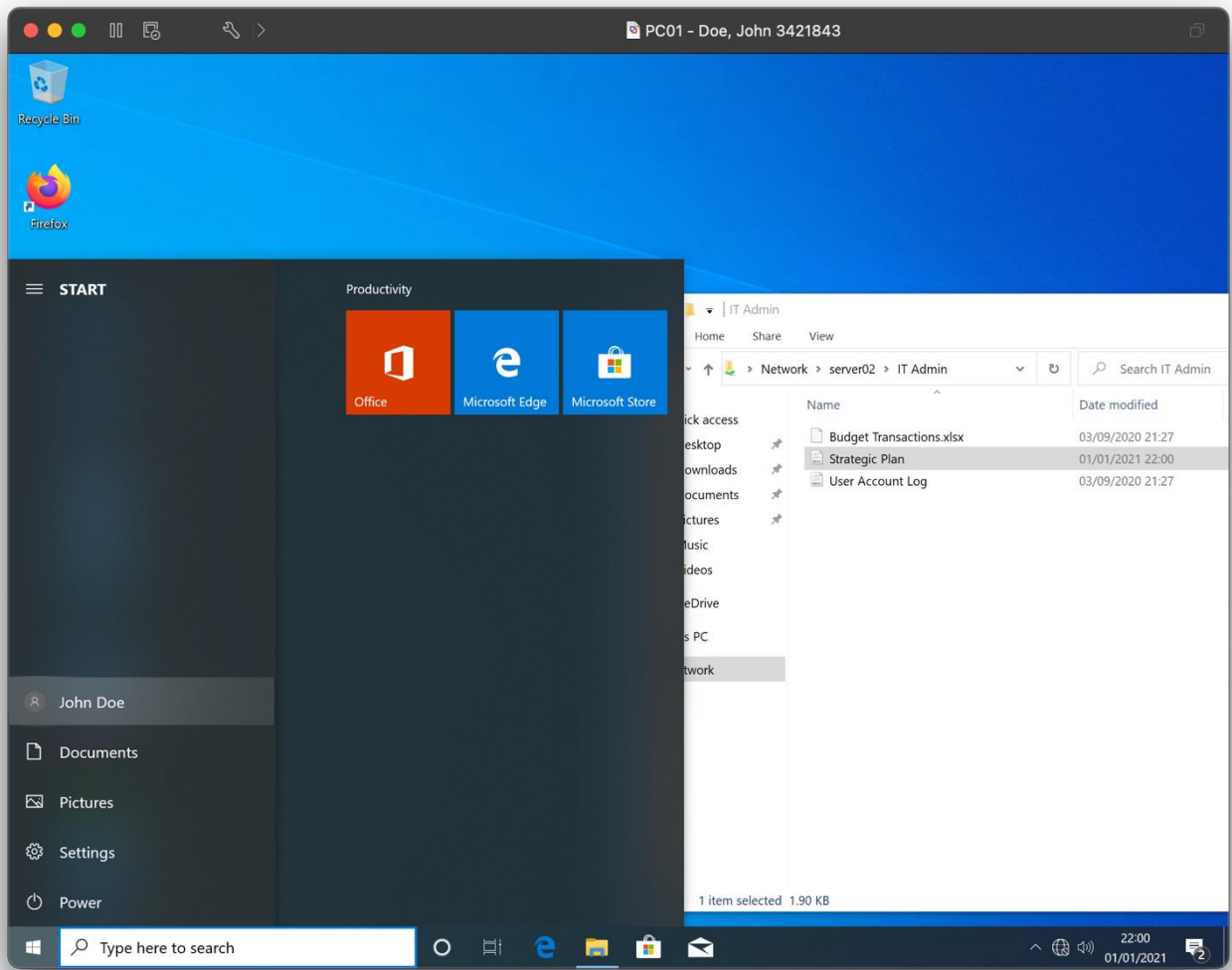


Print screen showing the result of test number 11, showing the file has been opened and saved back correctly

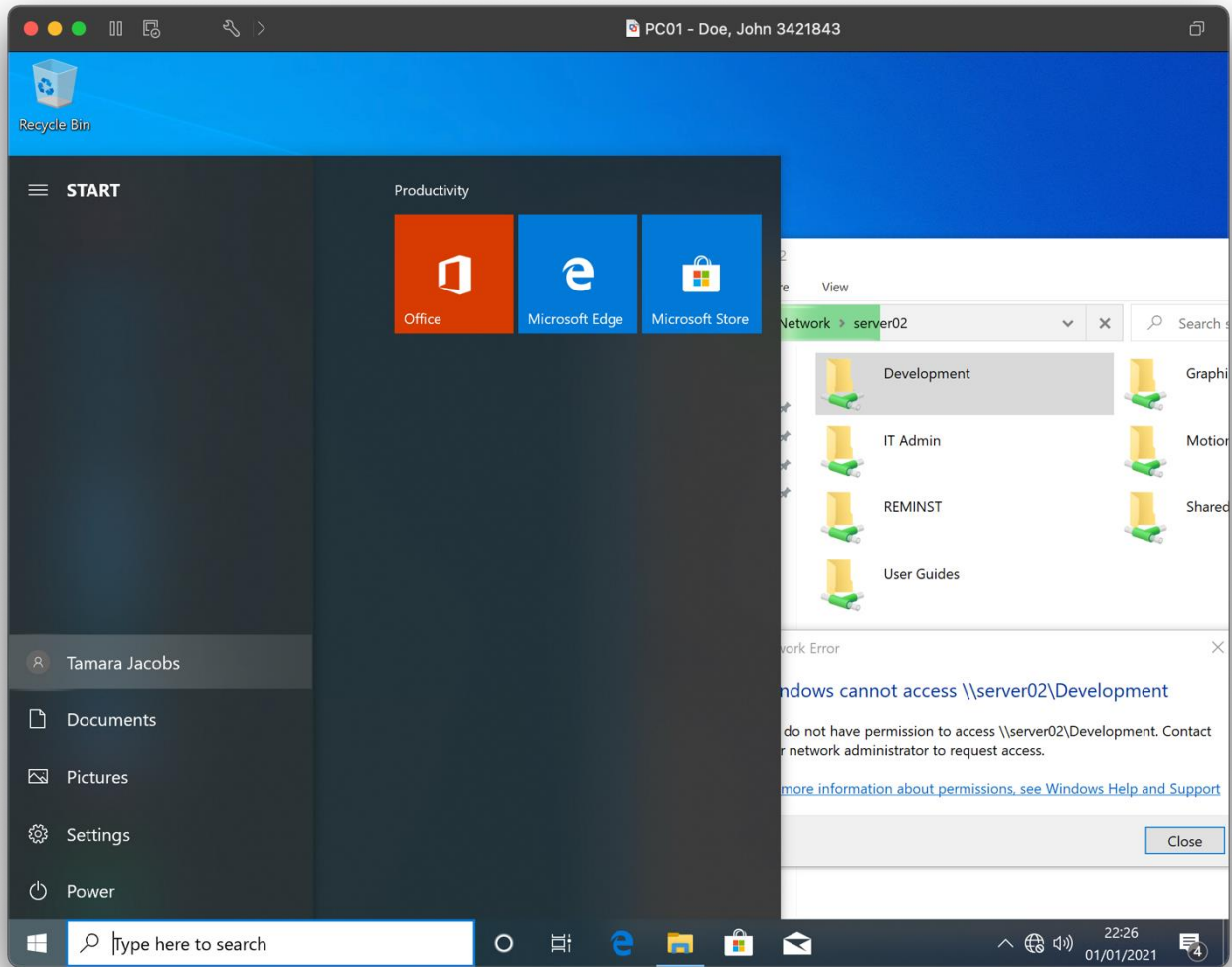


Print screen showing the result of test number 12, showing the file has been opened and saved back correctly

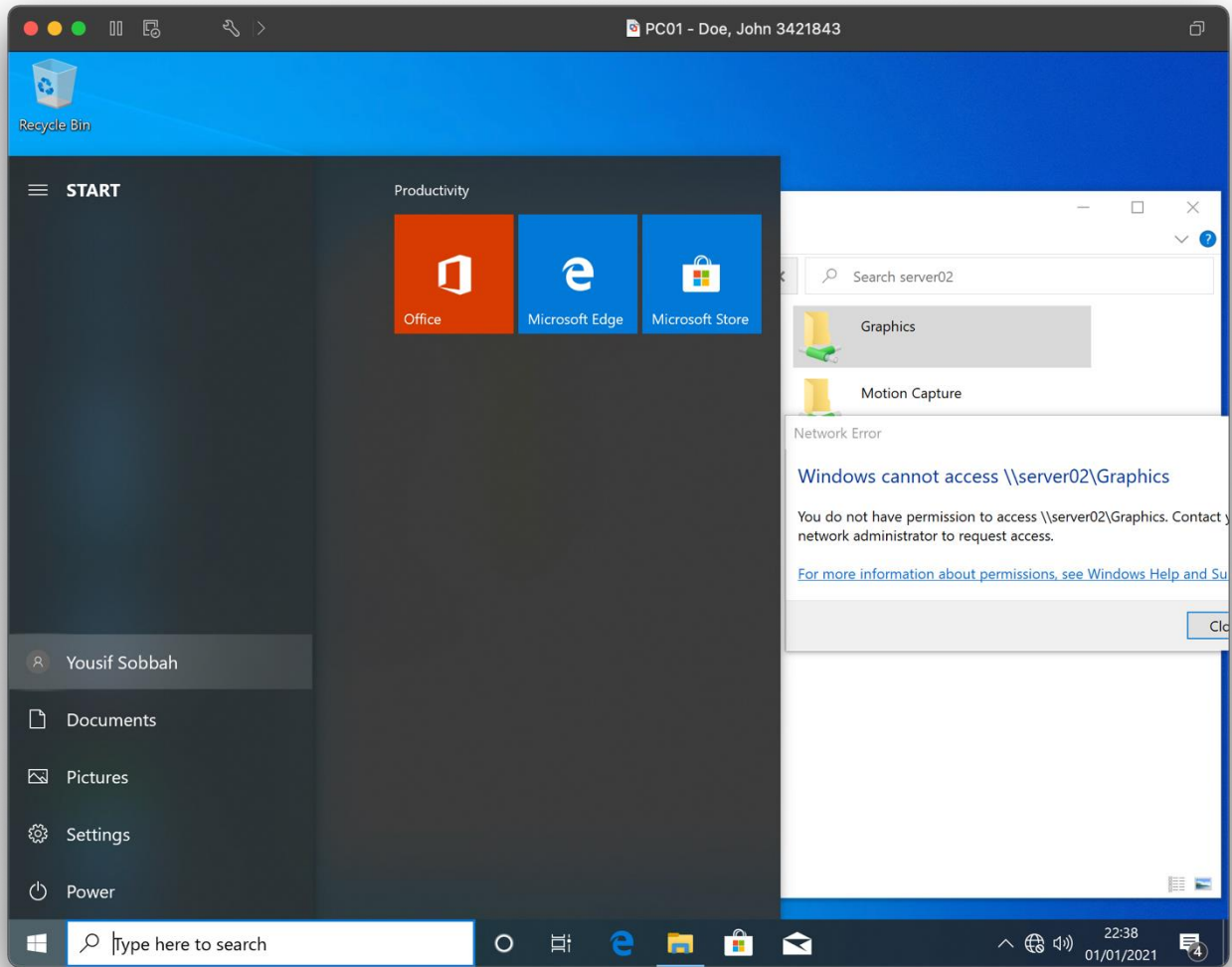




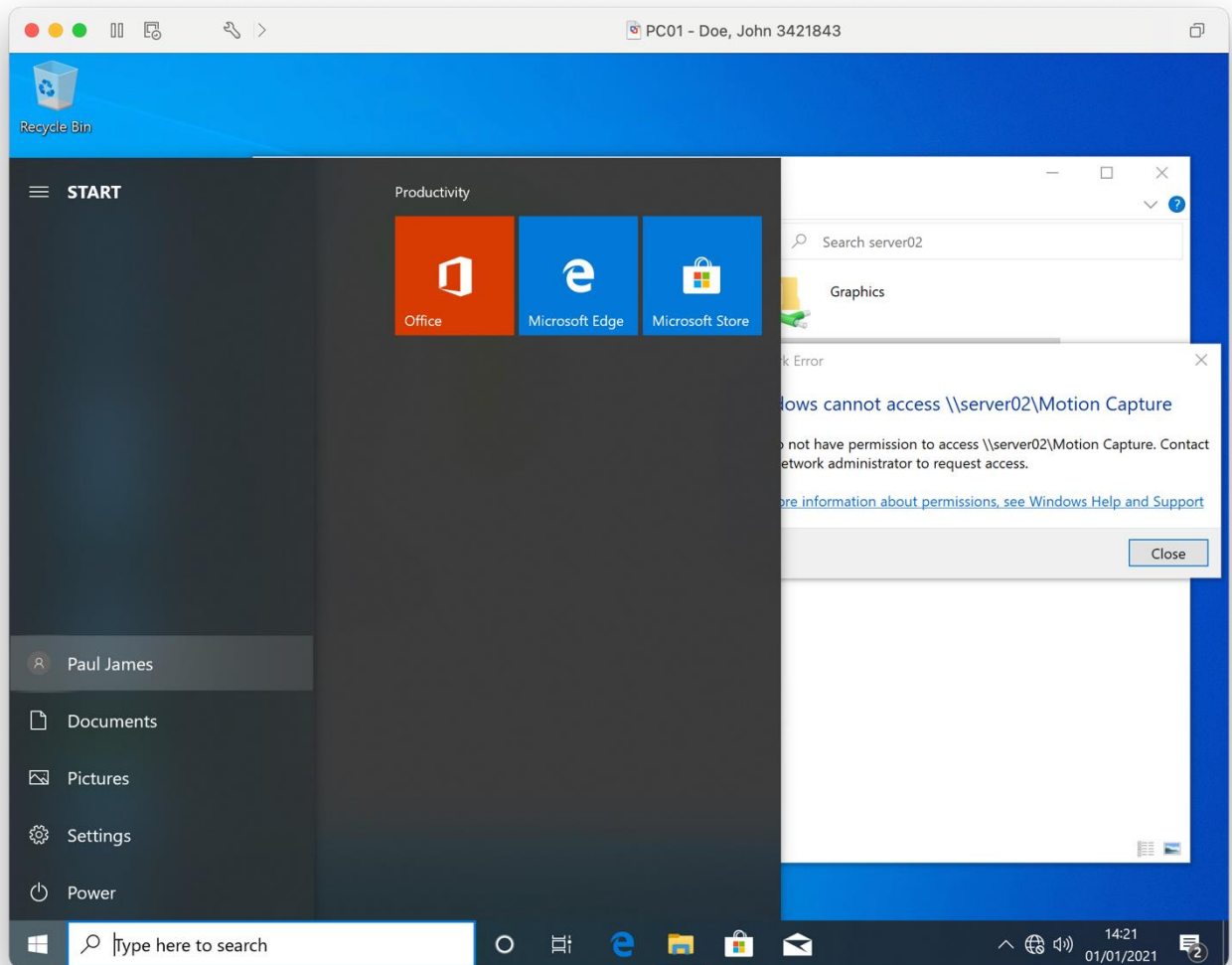
Print screen showing the result of test number 13, showing a user was unable to open the folder



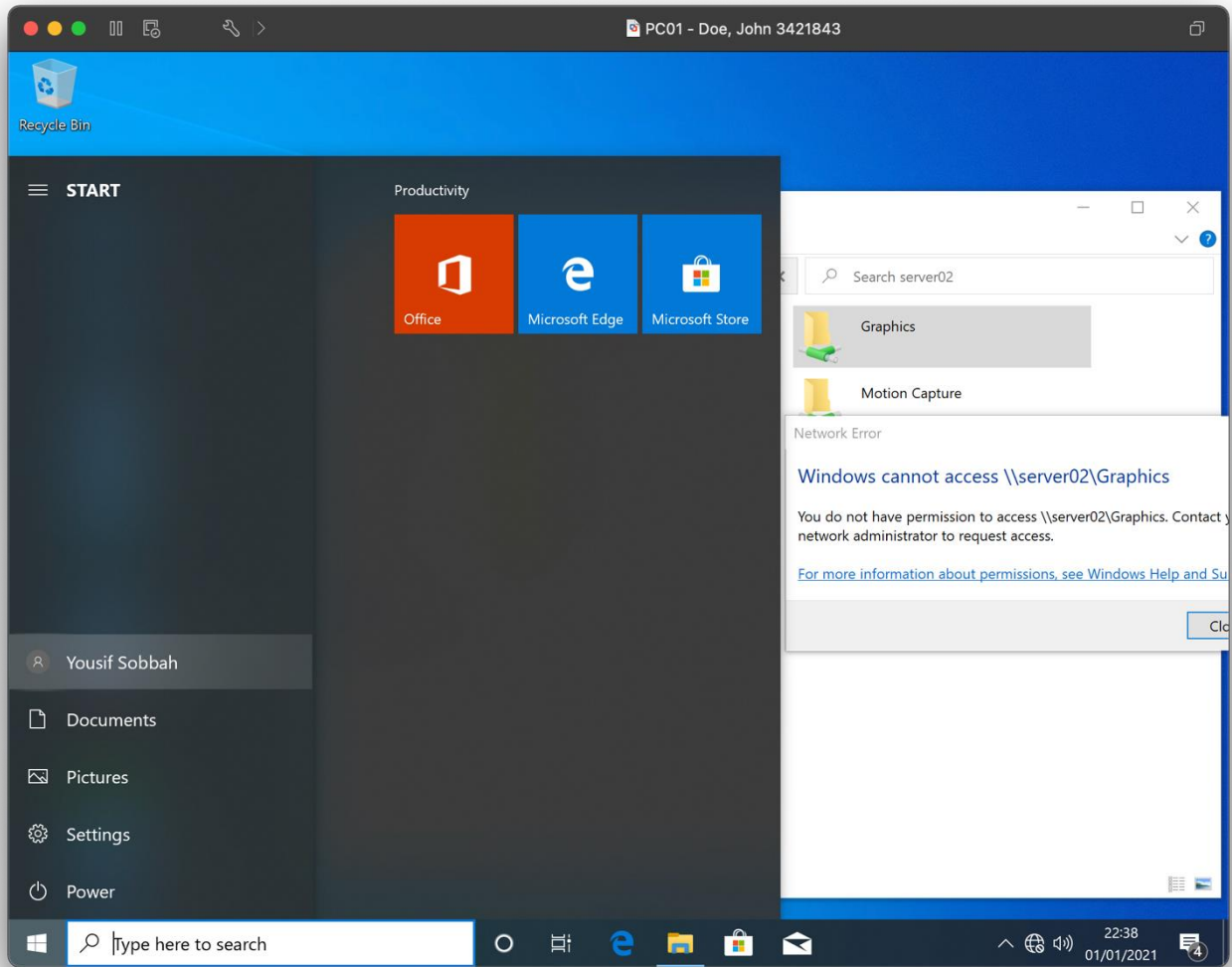
Print screen showing the result of test number 14, showing a user was unable to open the folder



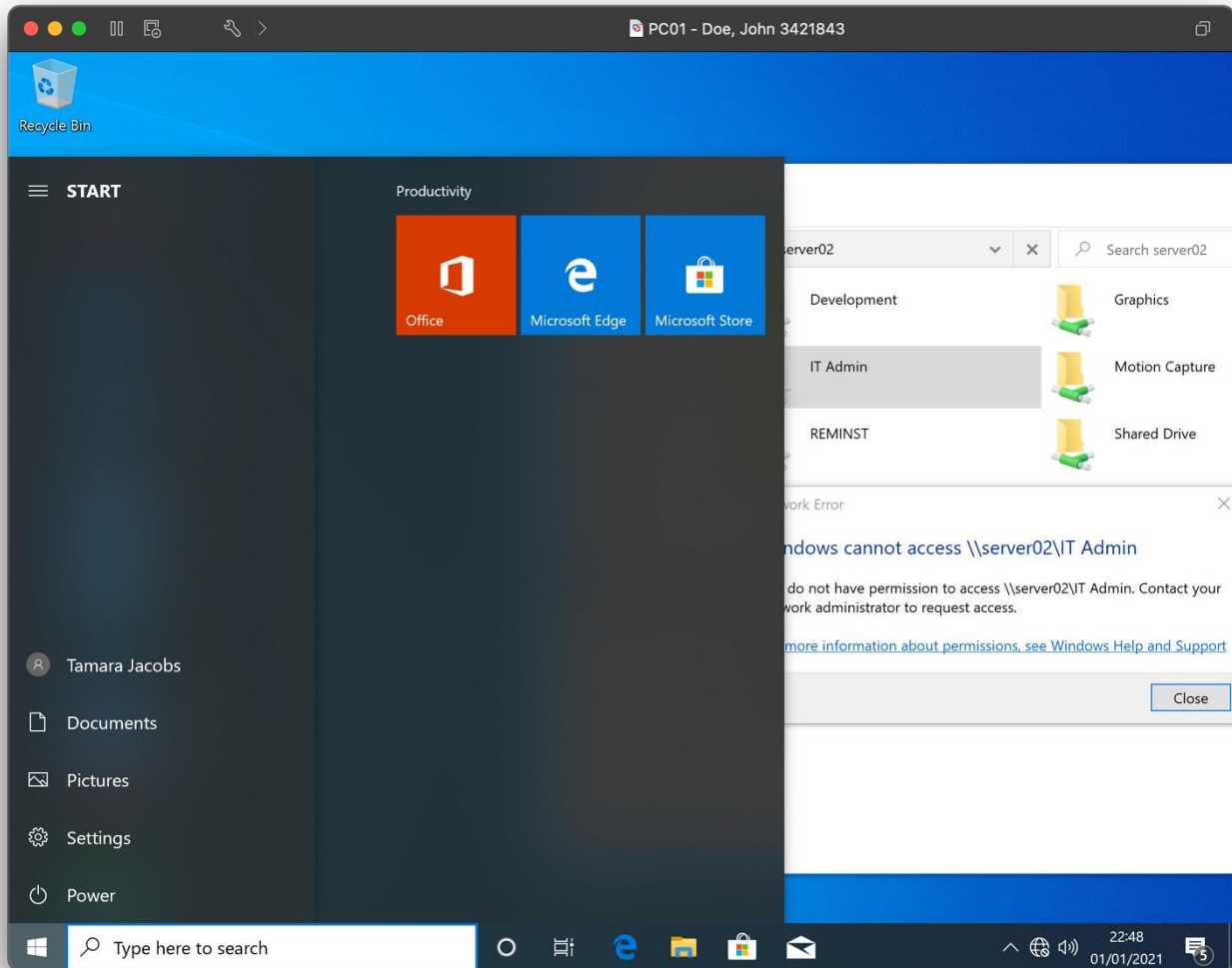
Print screen showing the result of test number 15, showing a user was unable to open the folder



Print screen showing the result of test number 16, showing the user was unable to open the folder



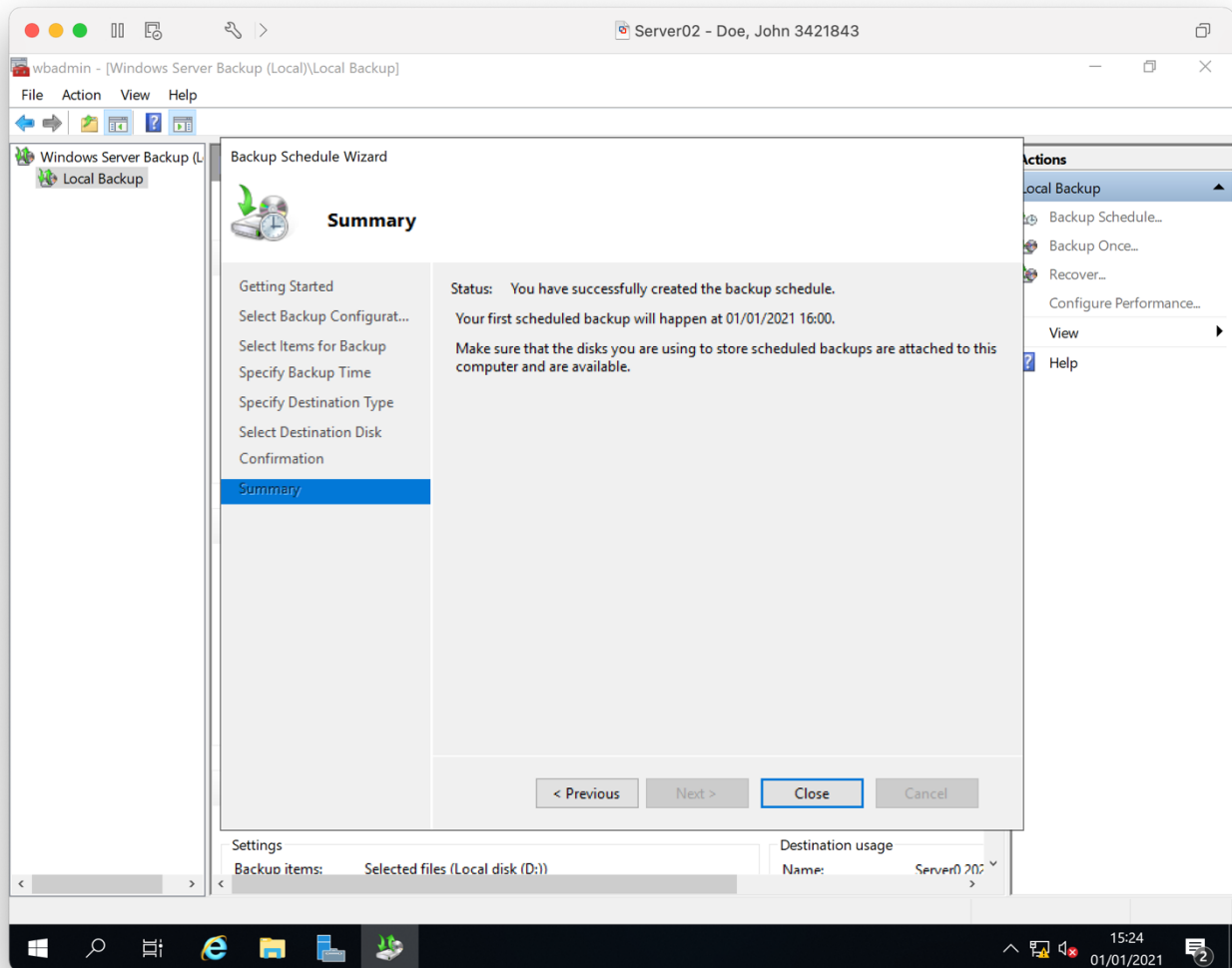
Print screen showing the result of test number 17, showing the user was unable to open the folder



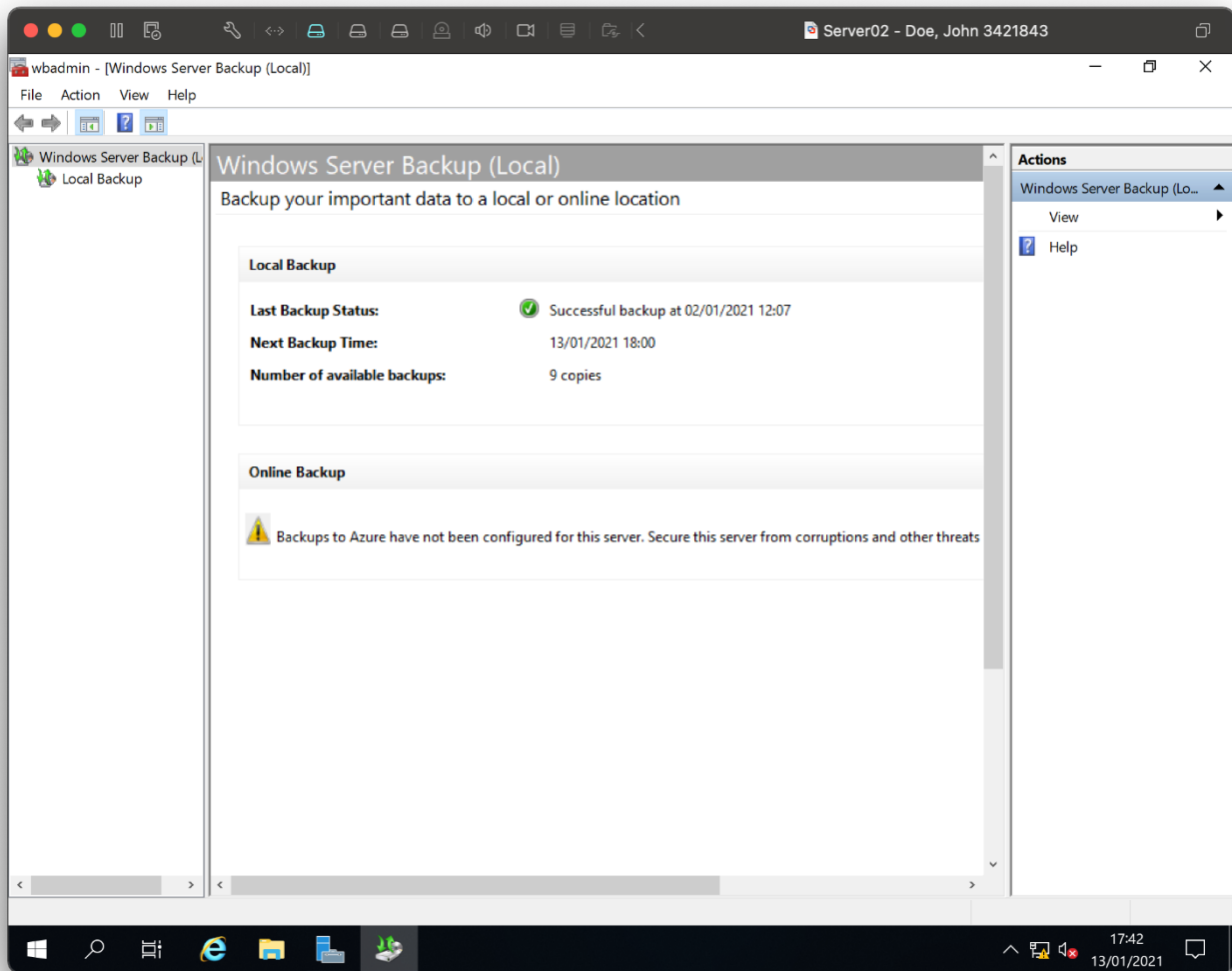
Step D

Create backup

Print screen showing the scheduled backup has been put in place from the backup manager dialogue box

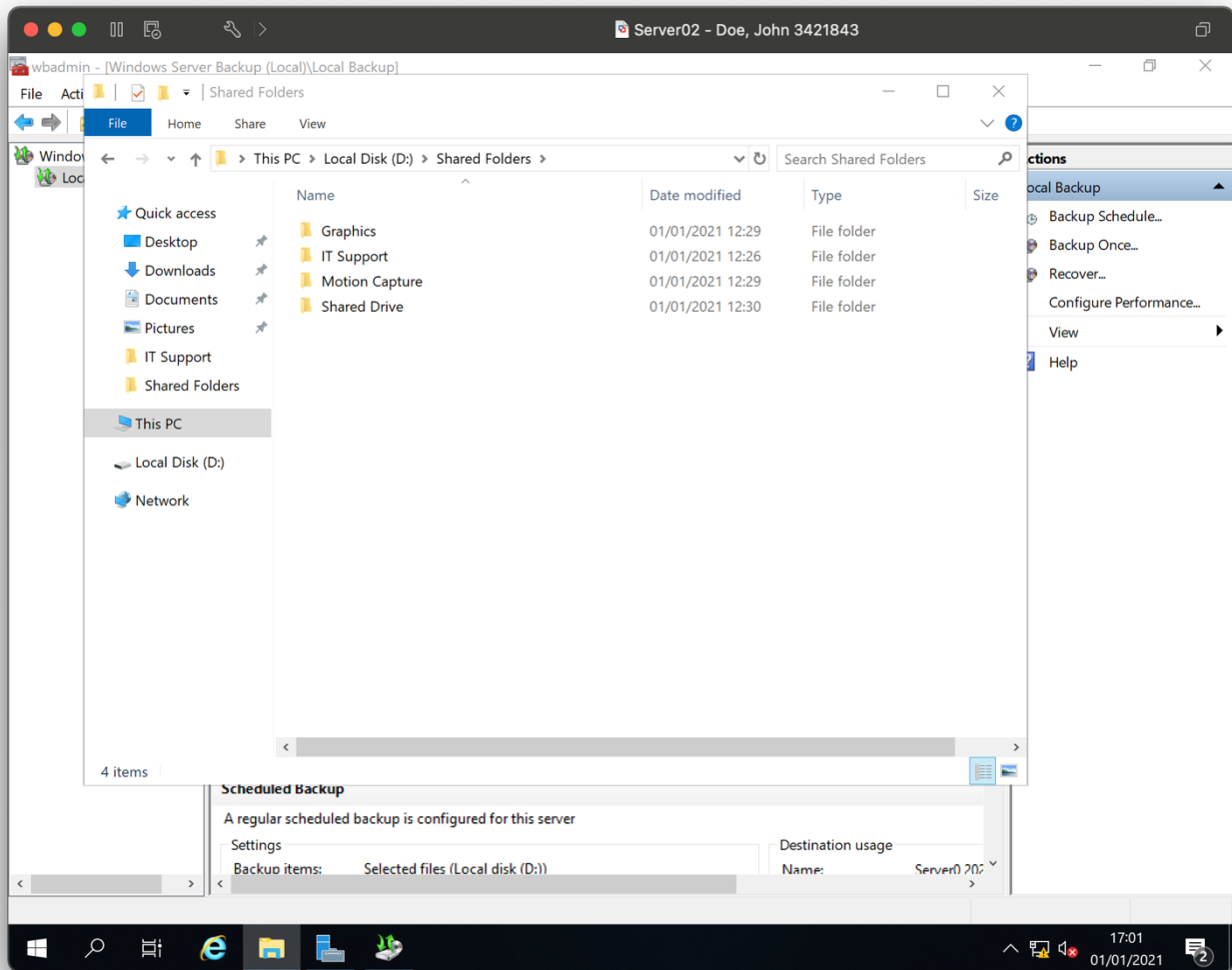


Print screen showing the scheduled backup has been completed from the backup manager dialogue box

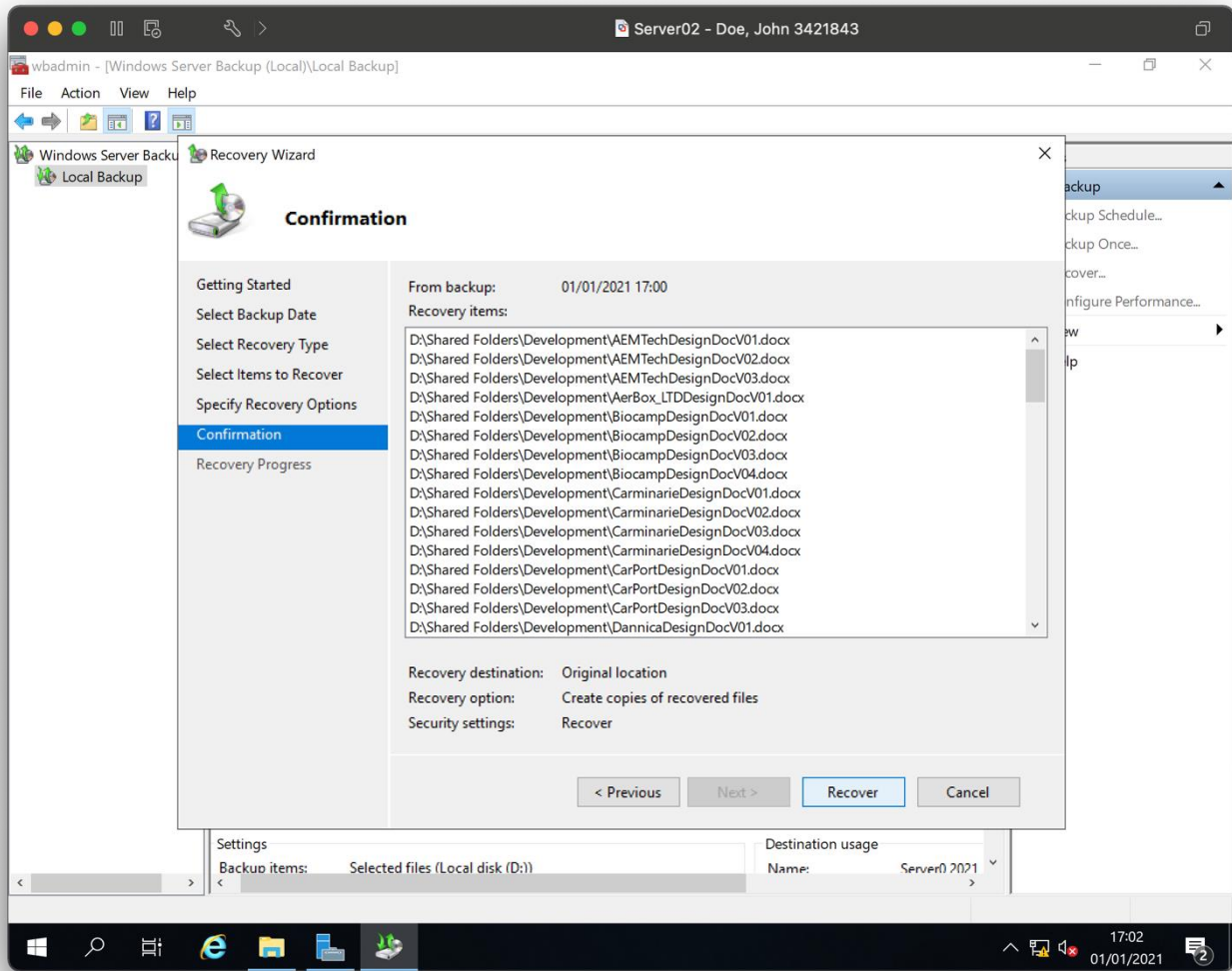


Backup restoration

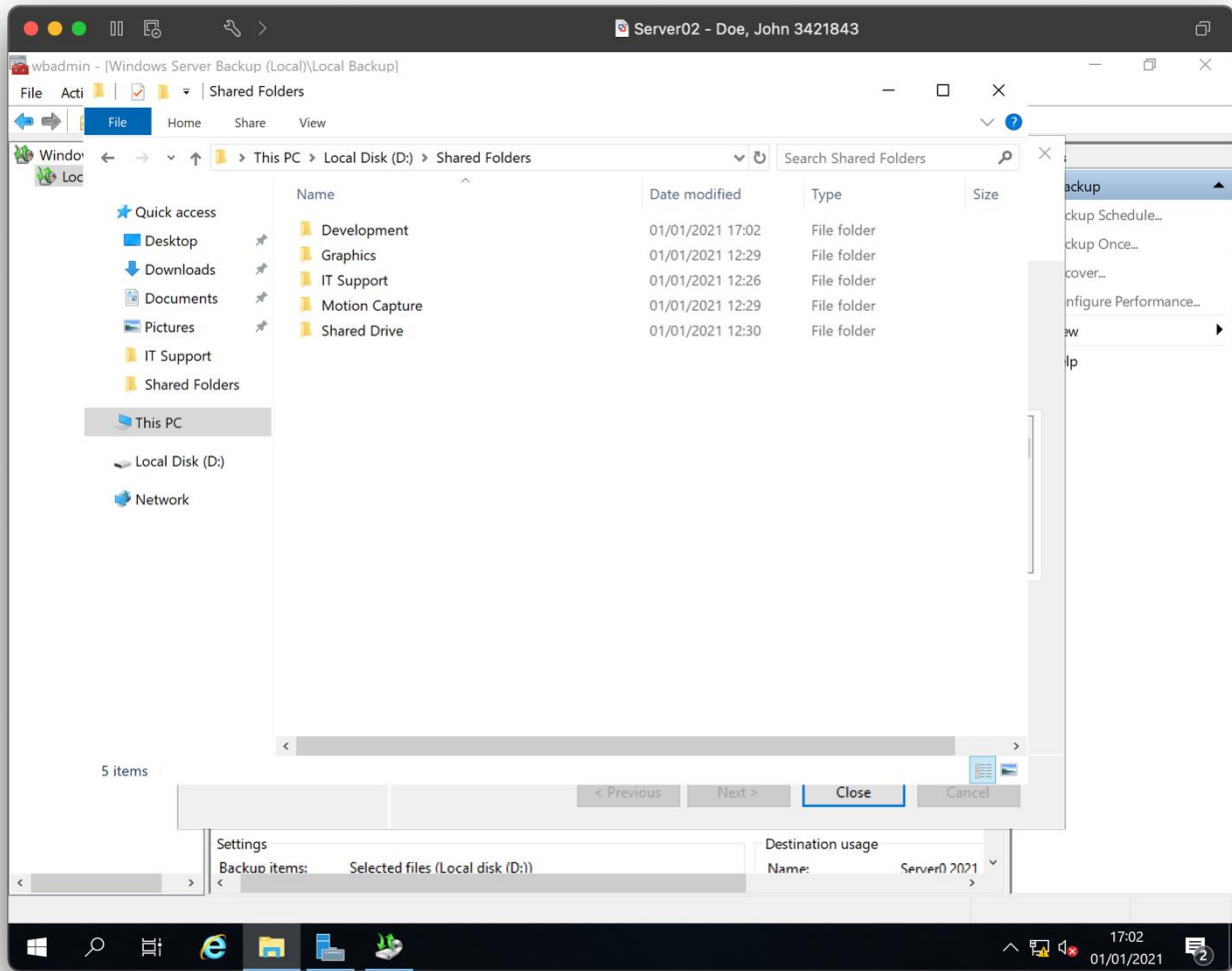
Showing that the folder development has been deleted



Print screen showing the file selected in the restoration dialogue box



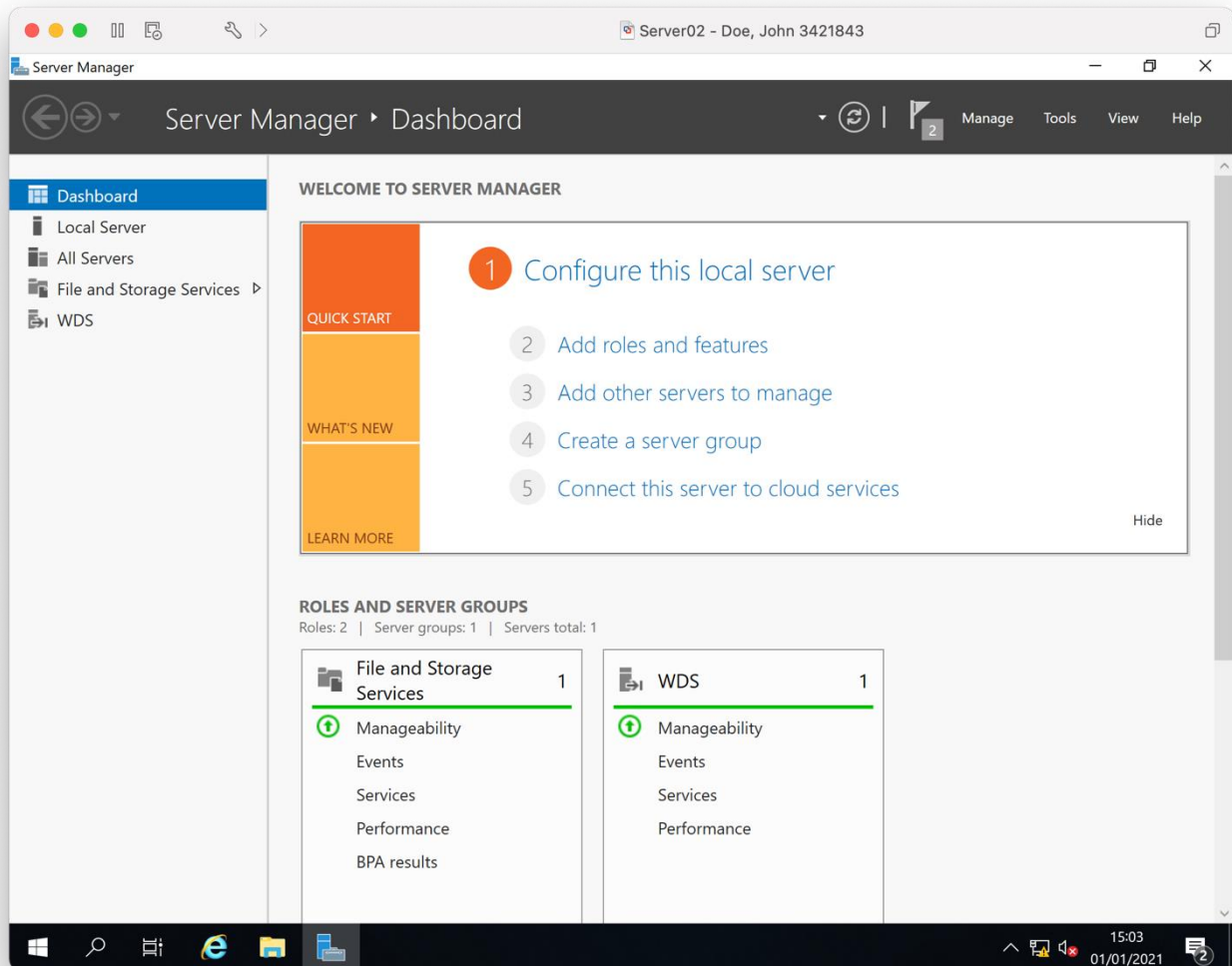
Print screen showing the successful restoration of the folder back to a suitable location



Step E

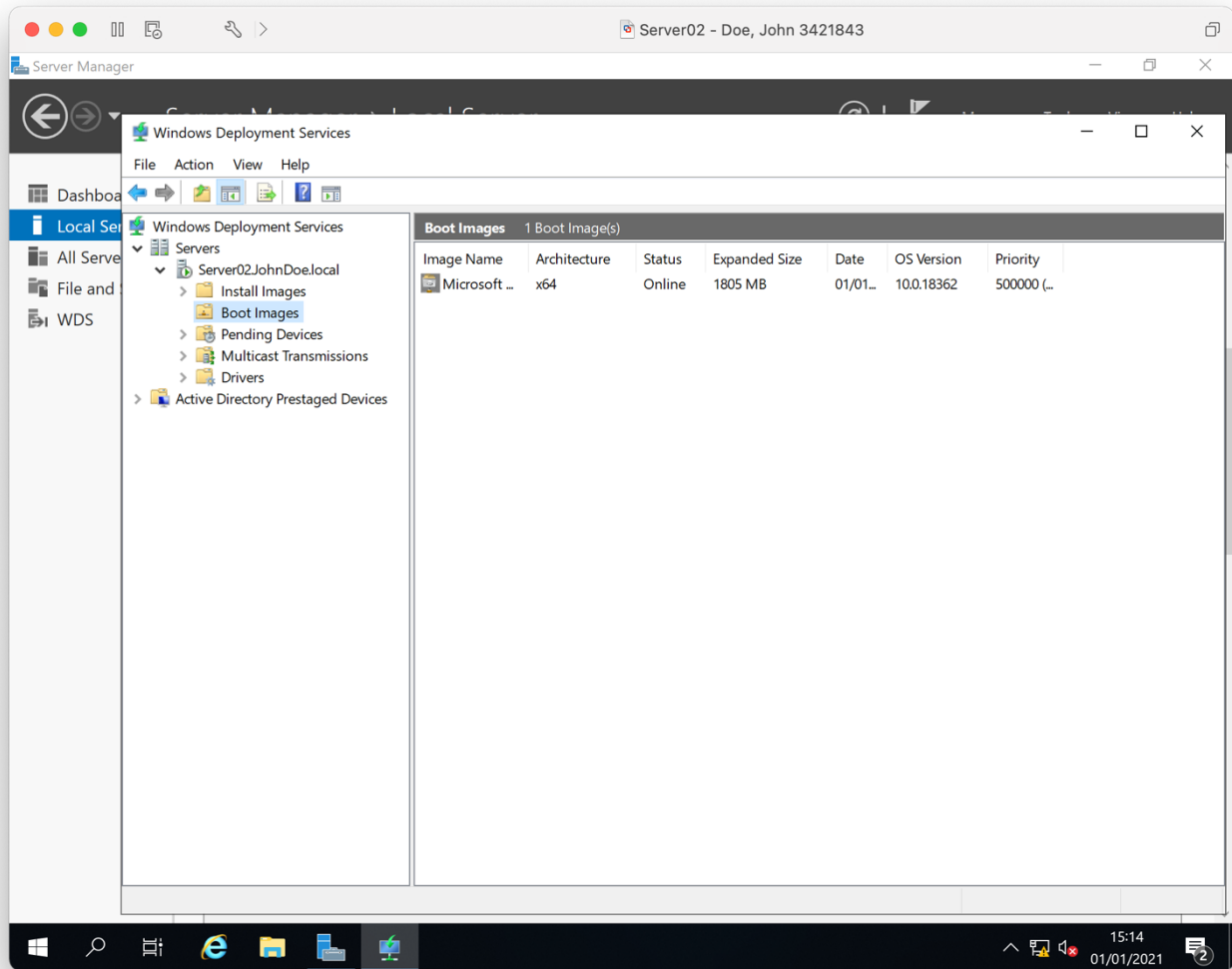
Role installation

Print screen showing the Windows Deployment Role has been installed and shown in Server Manager dialogue box

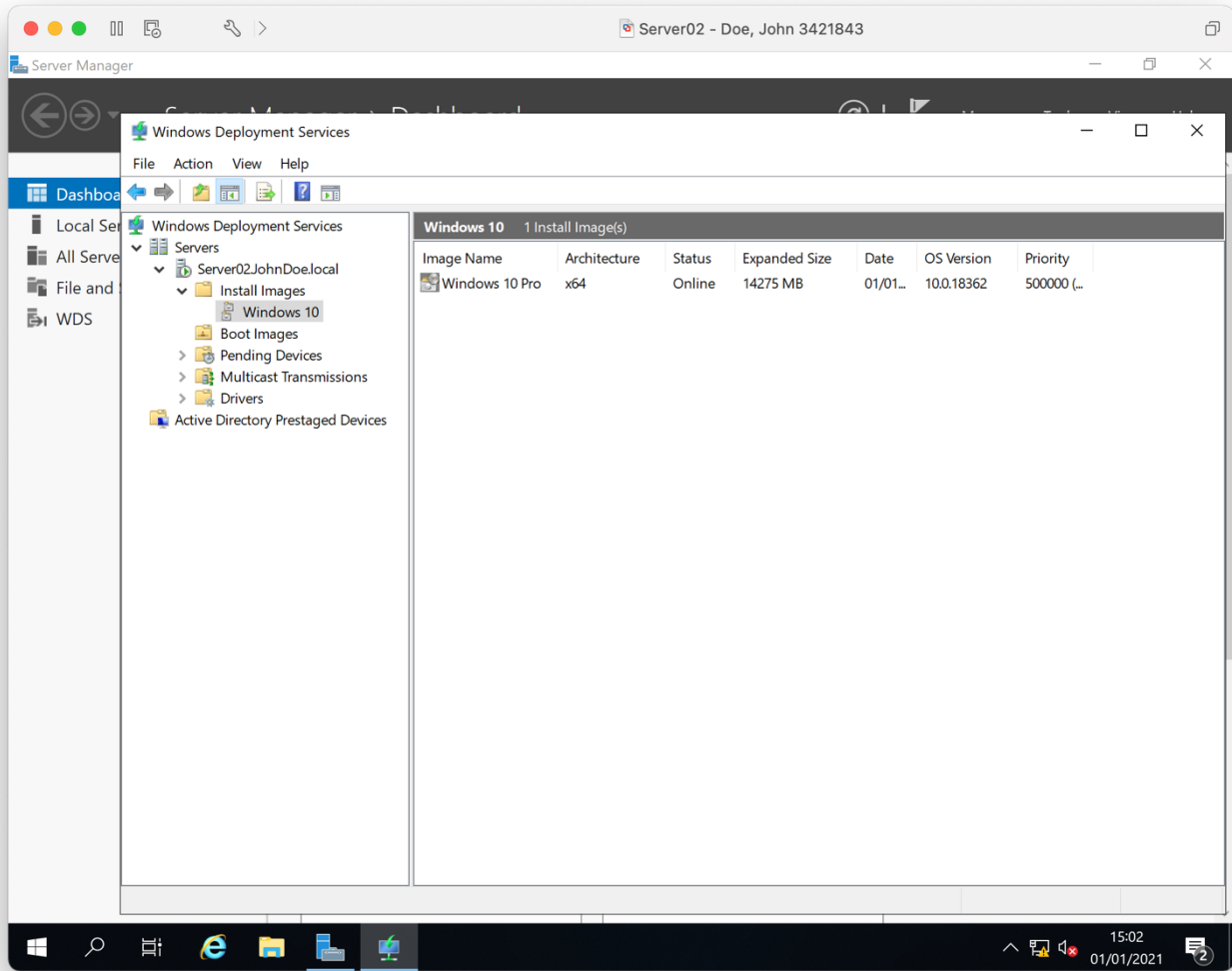


Configuration

Windows Deployment Role has been configured on Server showing boot image added

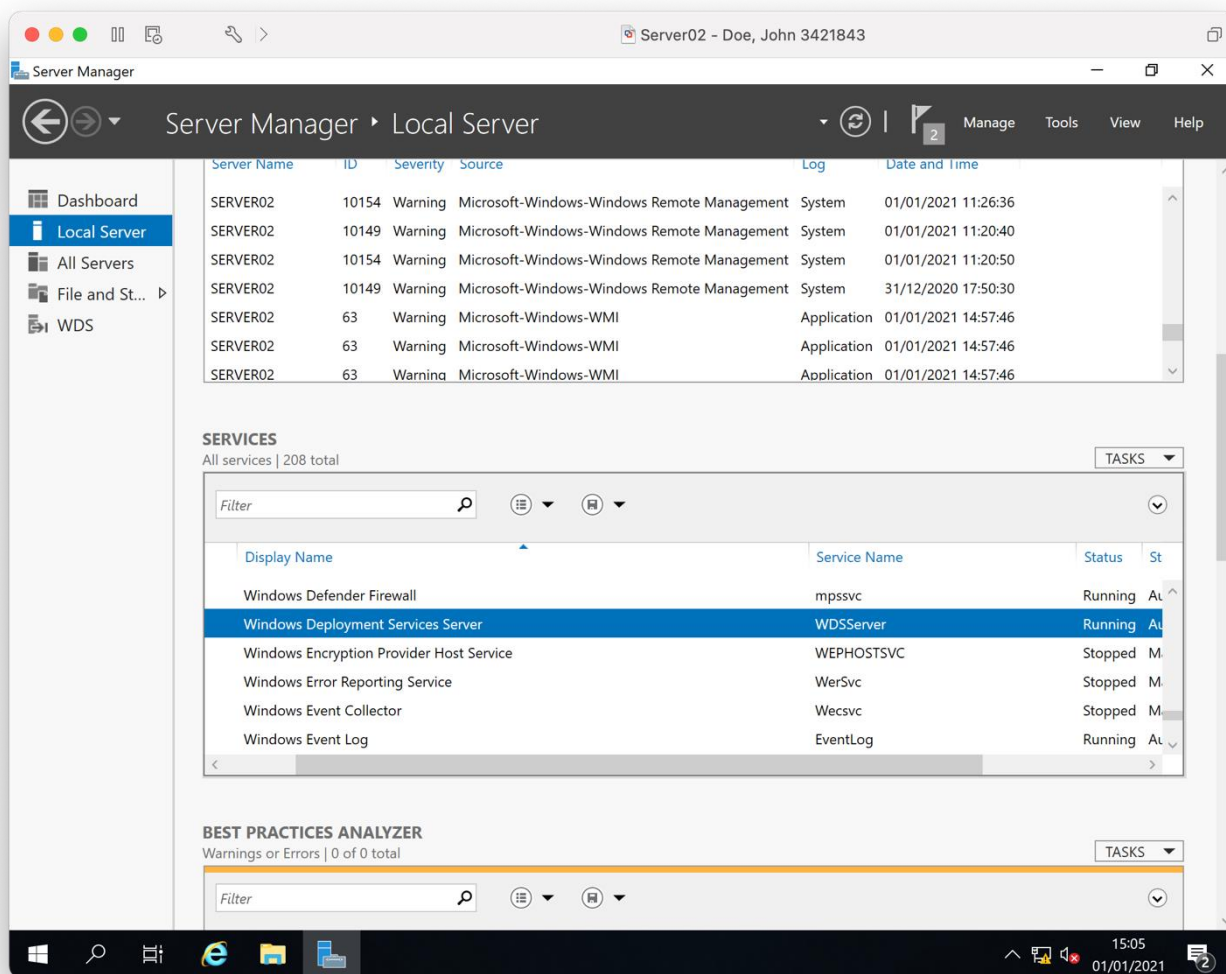


Windows Deployment Role has been configured on Server showing install image added



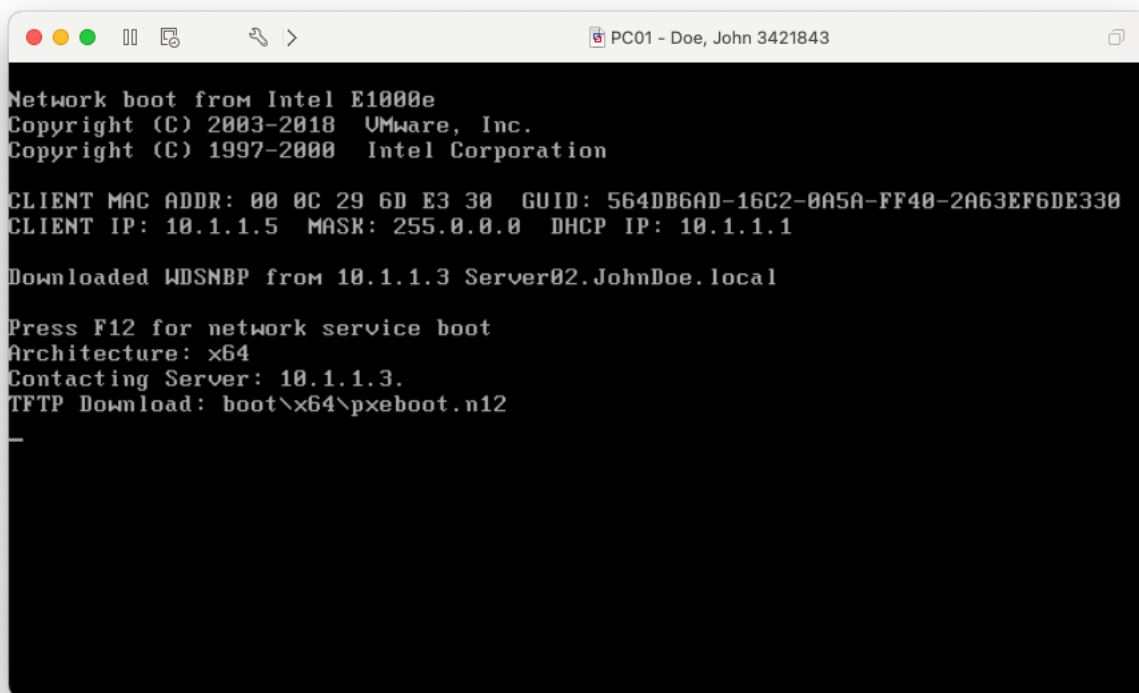
Activation

Windows Deployment Role is running using Server Manager, Task manager dialogue box



Role testing

PC01 network boots, it can make a connection with the Windows Deployment Server

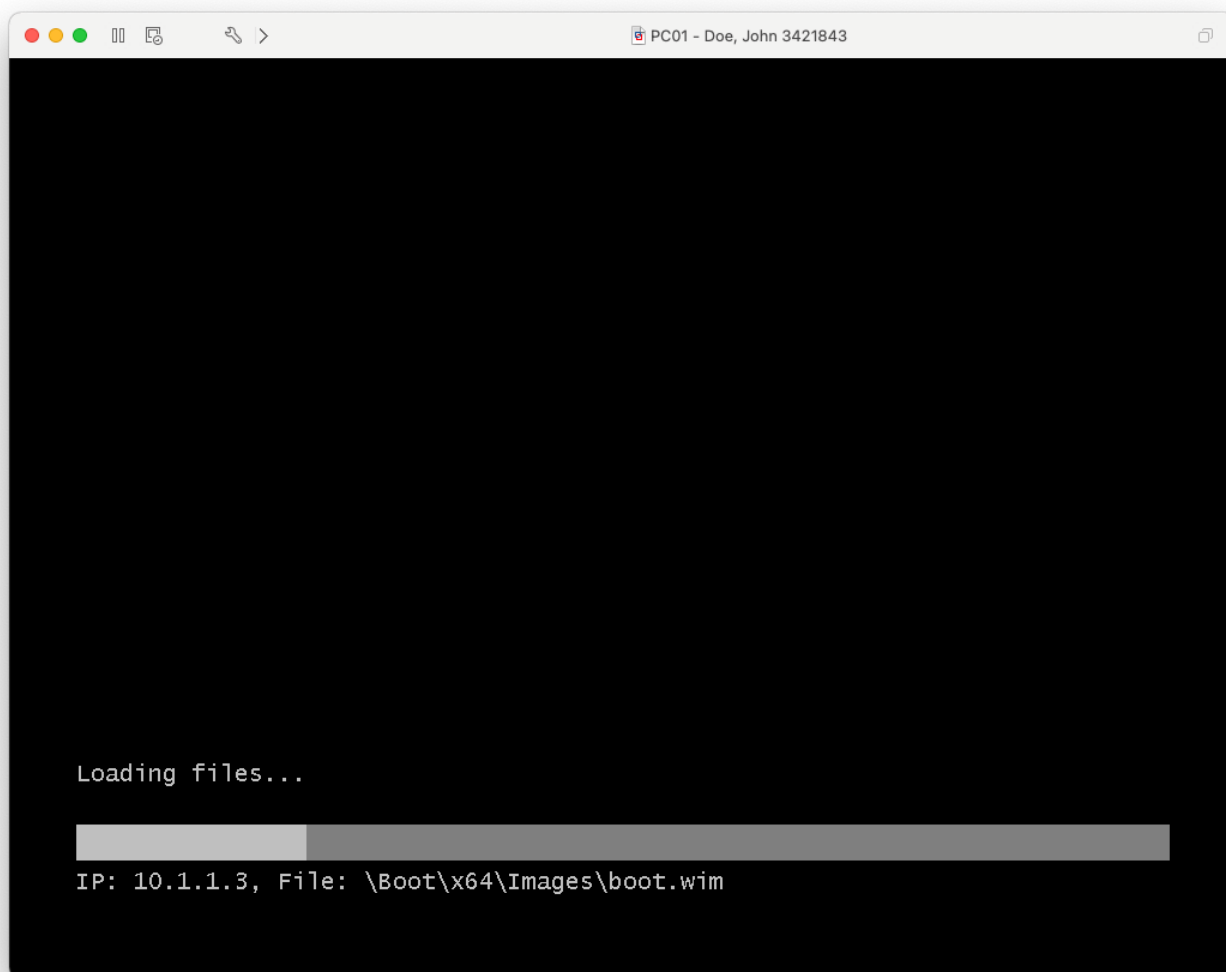


```
PC01 - Doe, John 3421843
Network boot from Intel E1000e
Copyright (C) 2003-2018 VMware, Inc.
Copyright (C) 1997-2000 Intel Corporation

CLIENT MAC ADDR: 00 0C 29 6D E3 30  GUID: 564DB6AD-16C2-0A5A-FF40-2A63EF6DE330
CLIENT IP: 10.1.1.5  MASK: 255.0.0.0  DHCP IP: 10.1.1.1

Downloaded WDSNBP from 10.1.1.3 Server02.JohnDoe.local

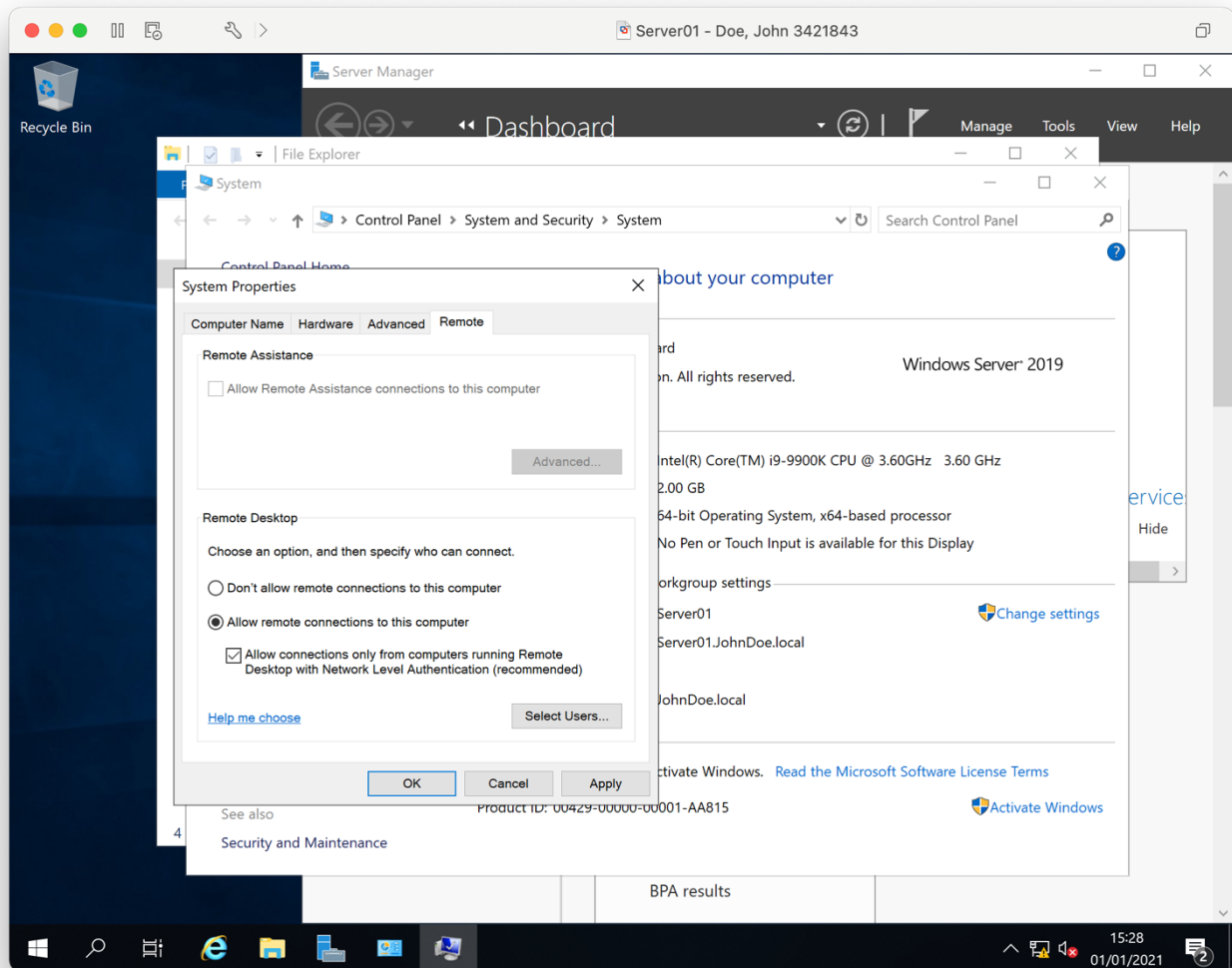
Press F12 for network service boot
Architecture: x64
Contacting Server: 10.1.1.3.
TFTP Download: boot\x64\pxeboot.n12
-
```



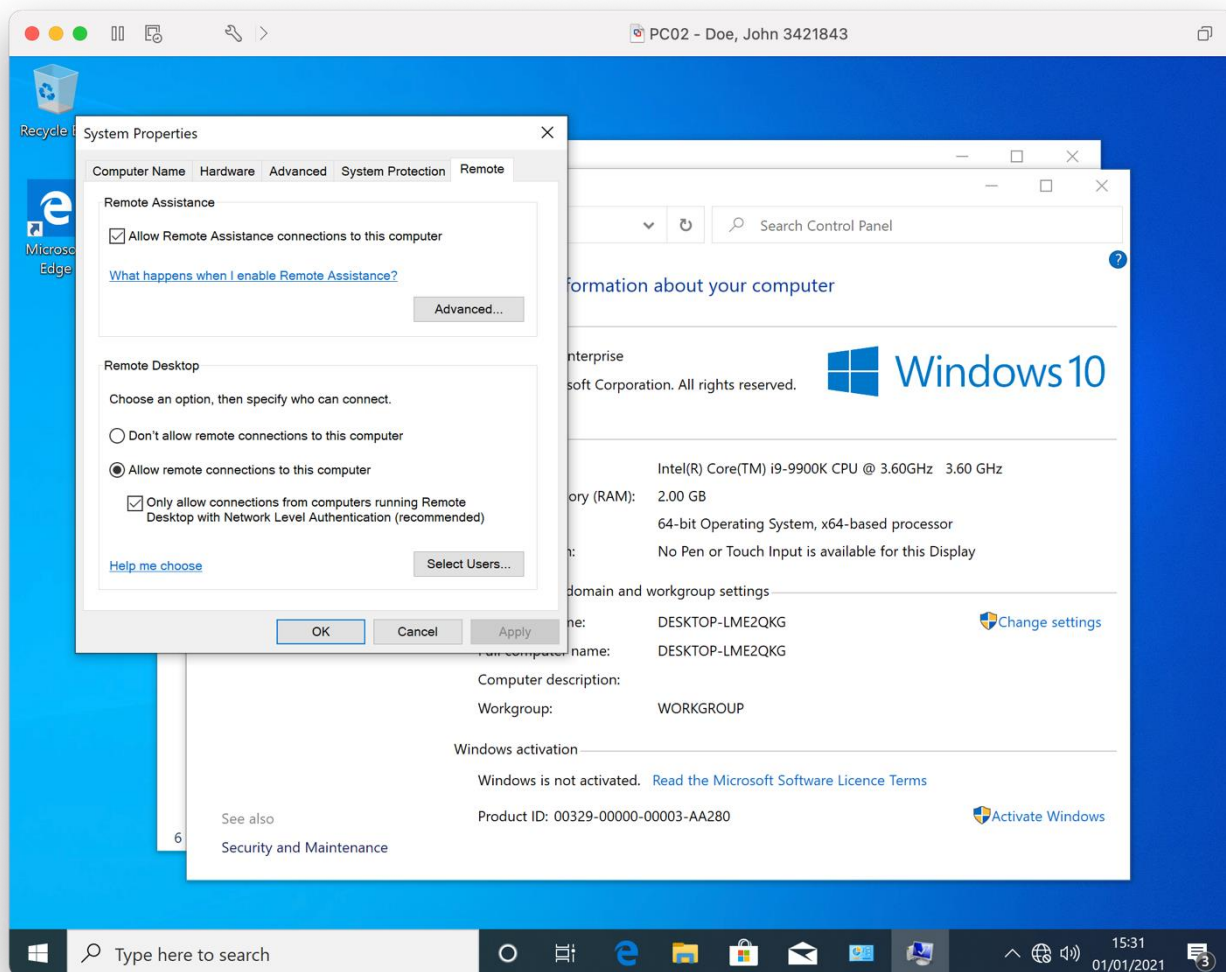
Step F

Configuration

Print screen showing the remote desktop has been enabled on the Server in system properties

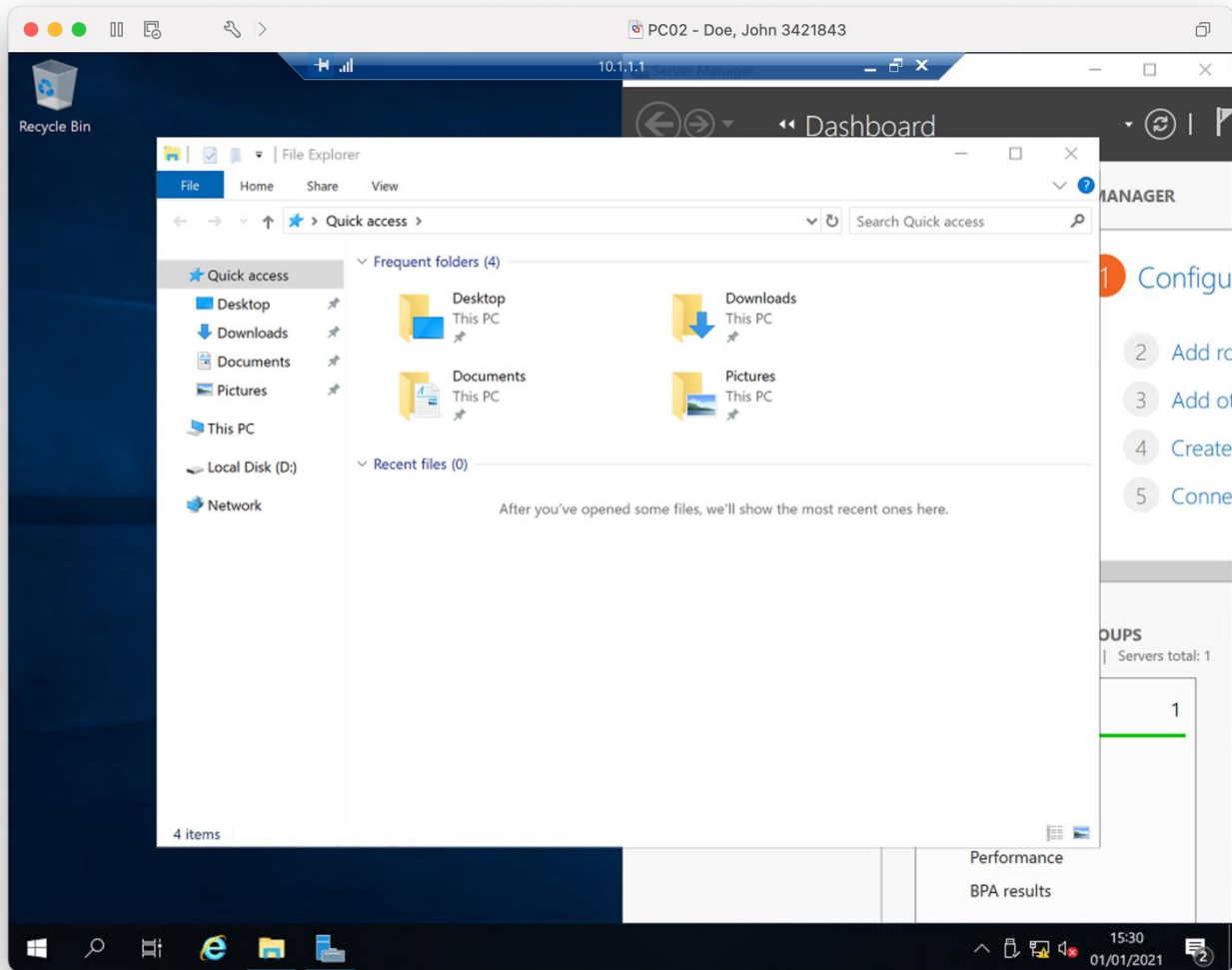


Print screen showing remote access has been enabled for PC02 in system properties



Accessing

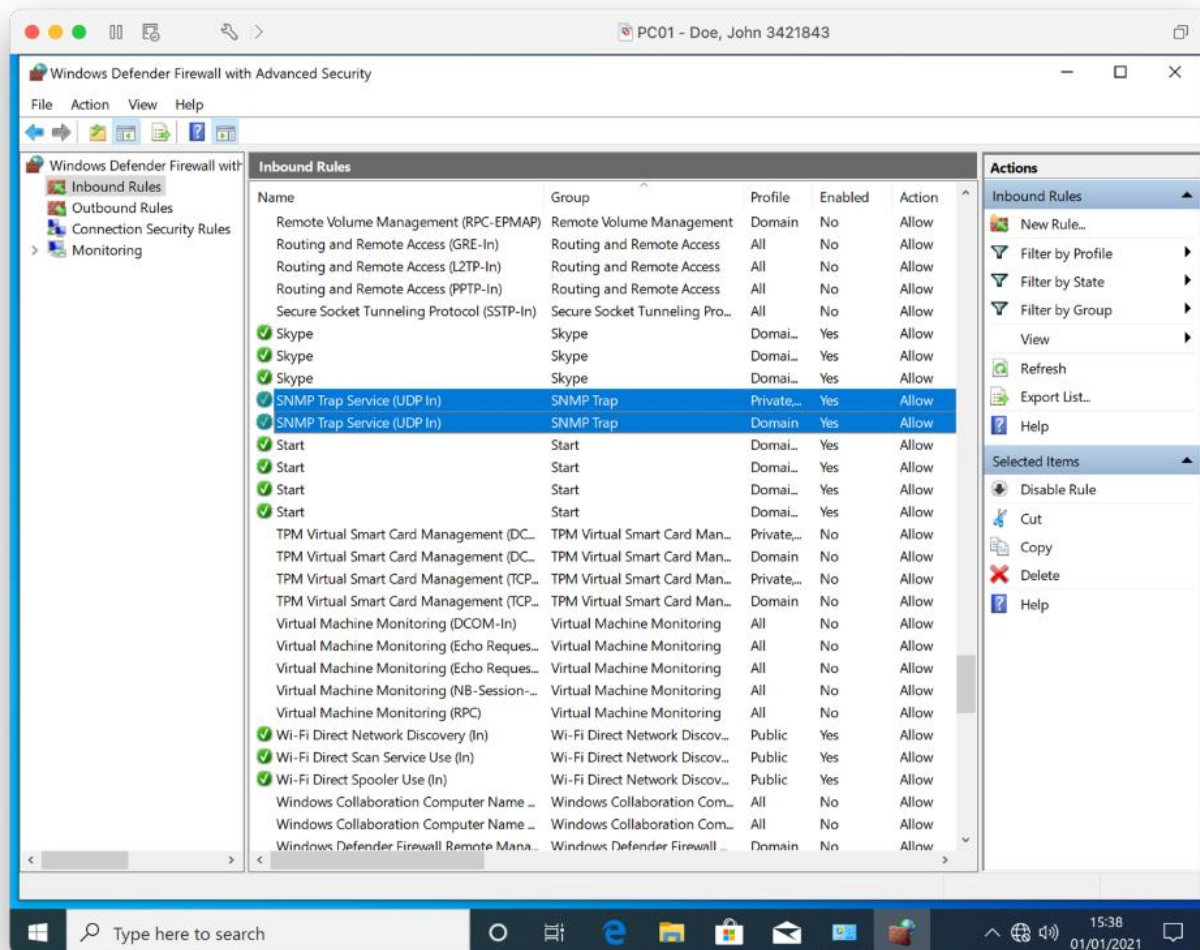
Server in a remote desktop window being administered



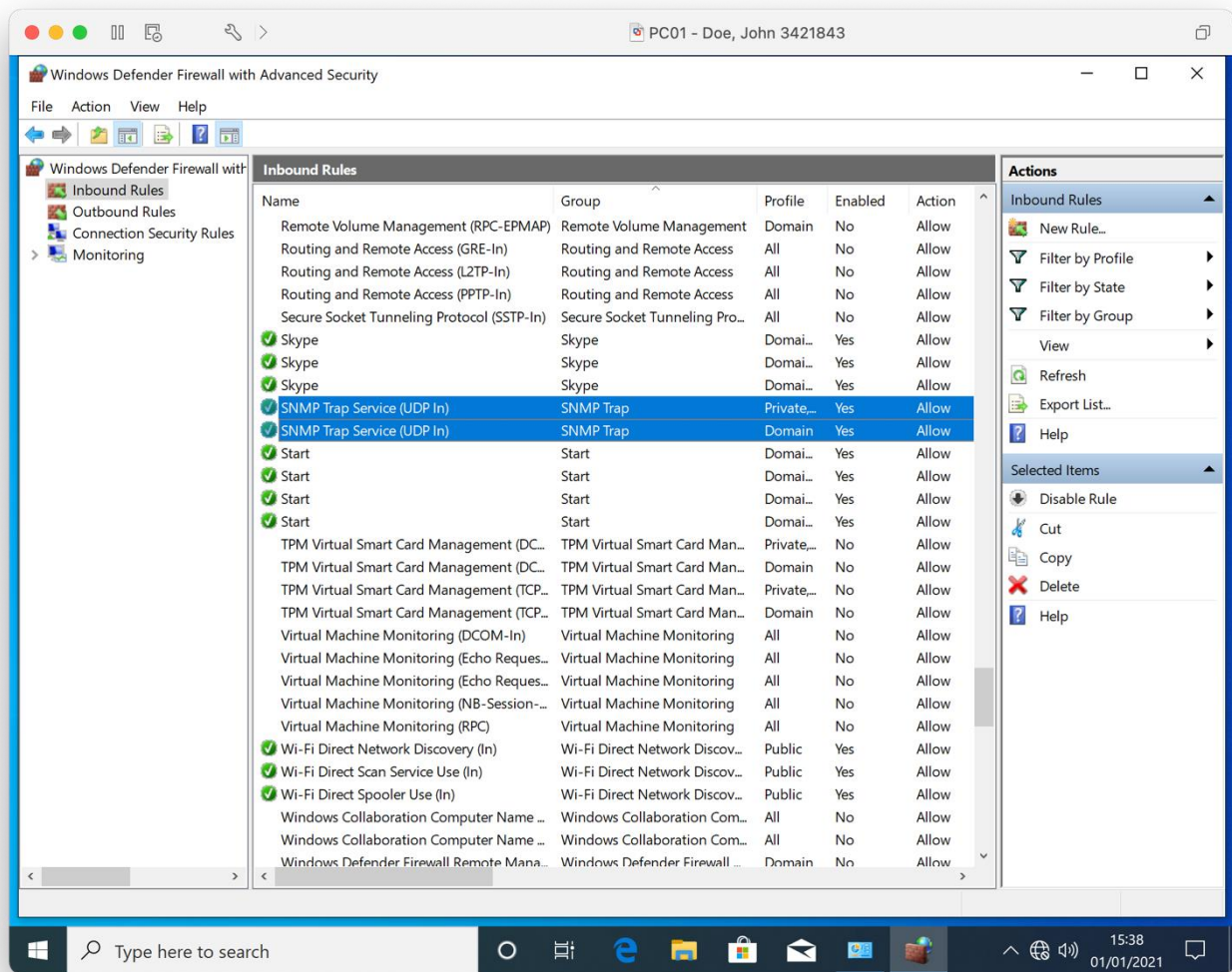
Step G

SNMP enabled

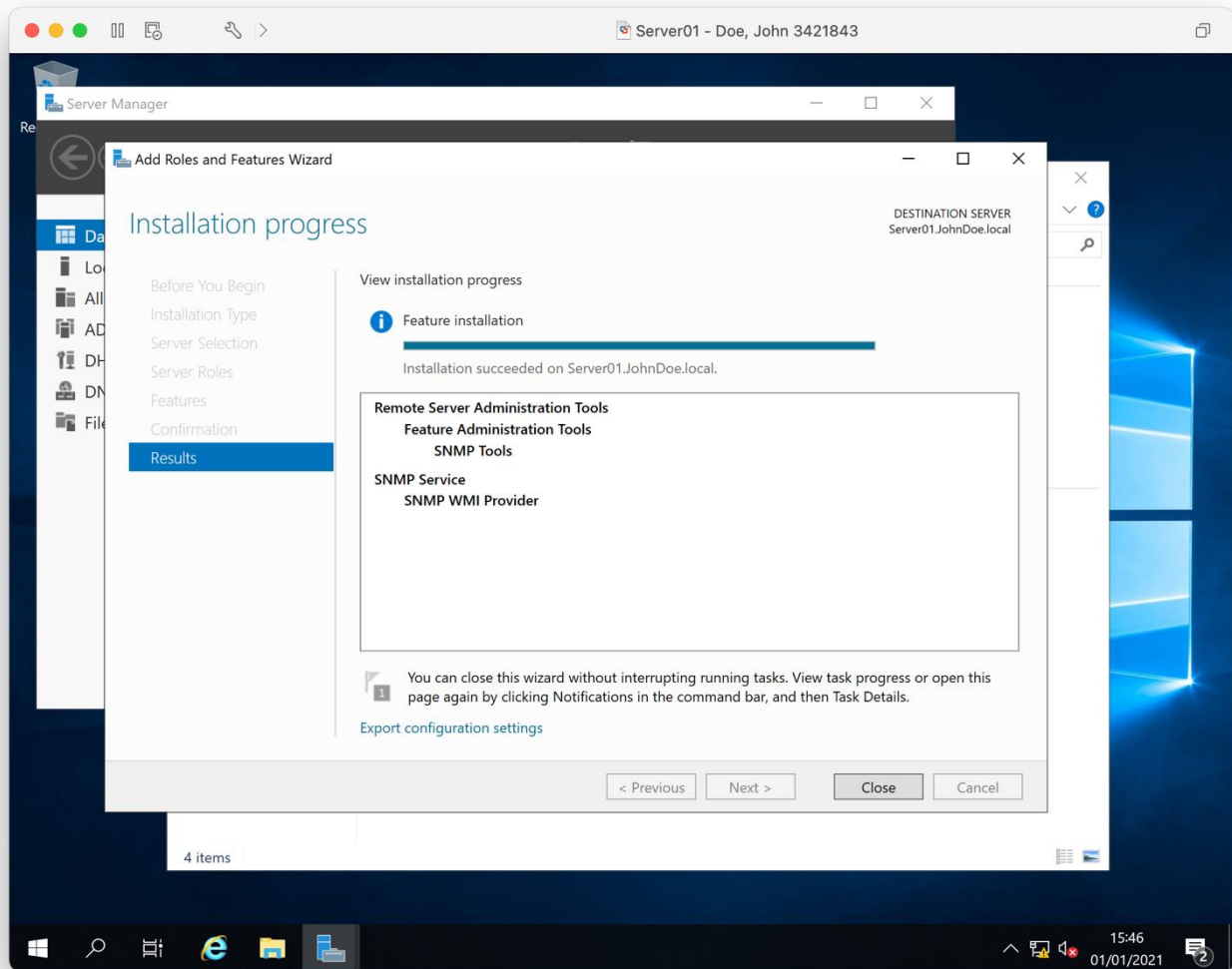
Print screen showing that SNMP has been added to PC01 using application and features



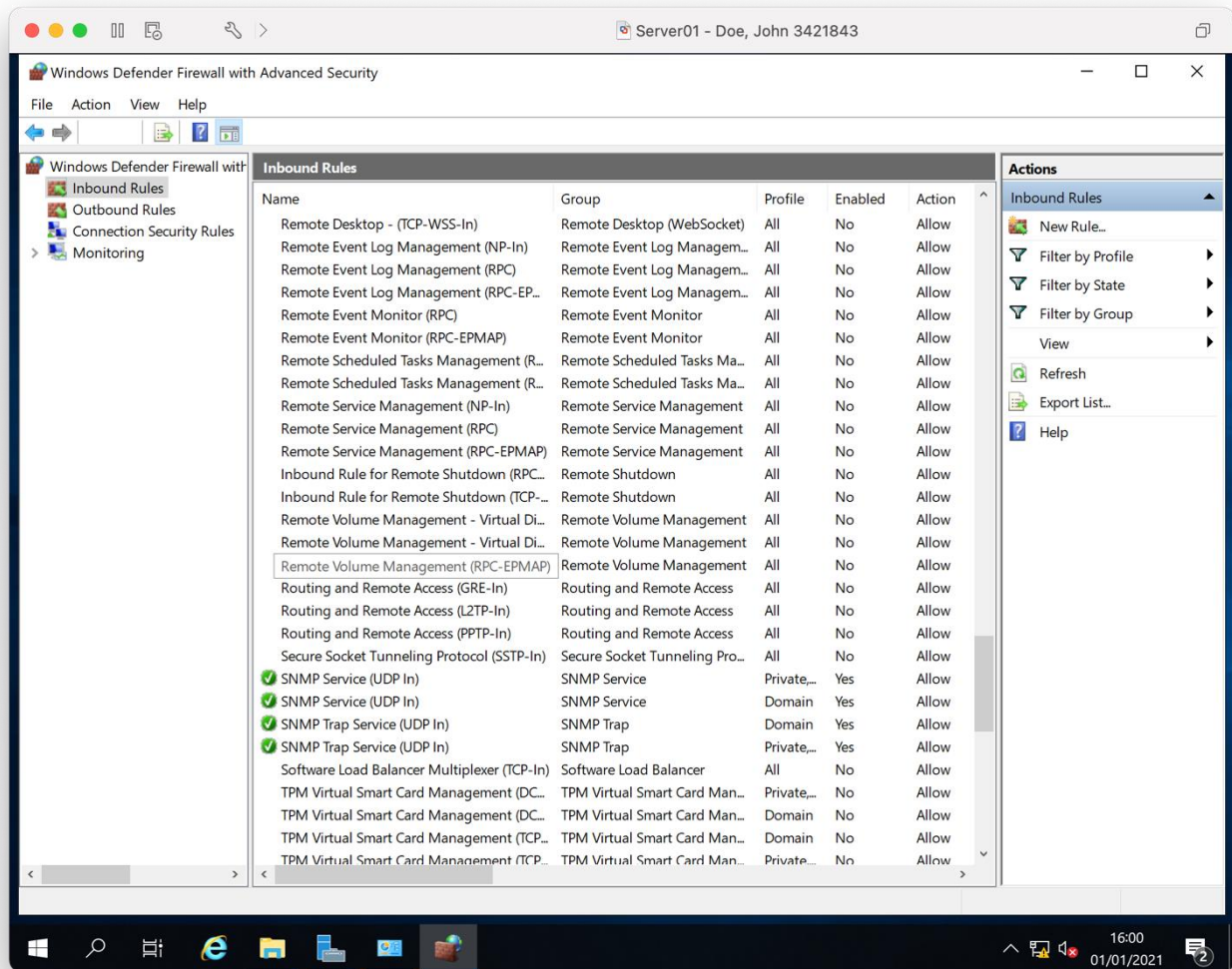
Print screen showing that firewall allows SNMP both in and outbound on the firewall for PC01



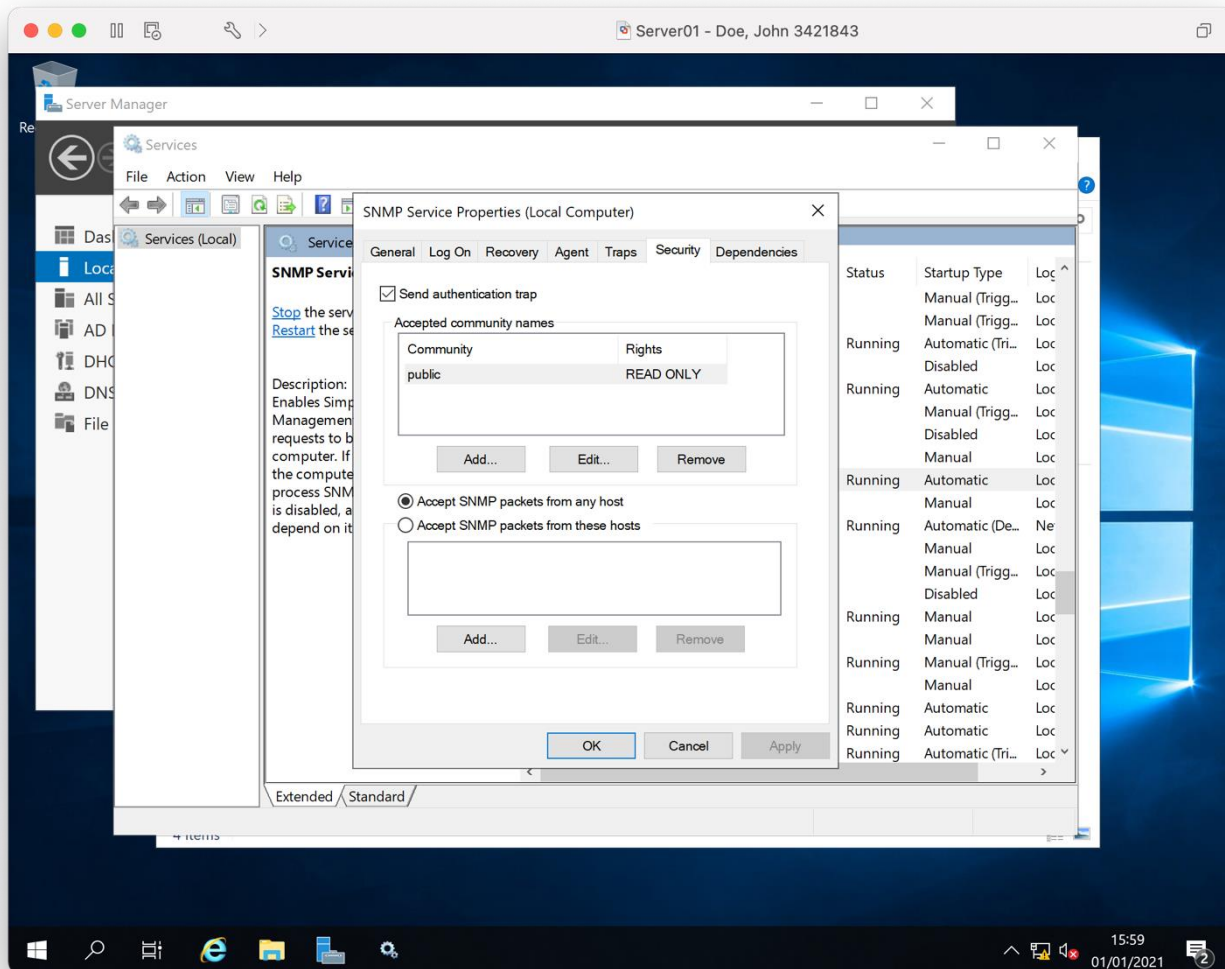
Print screen showing that SNMP has been added to Server01 using application and features



Print screen showing that firewall allows SNMP both in and outbound on the firewall for Server01



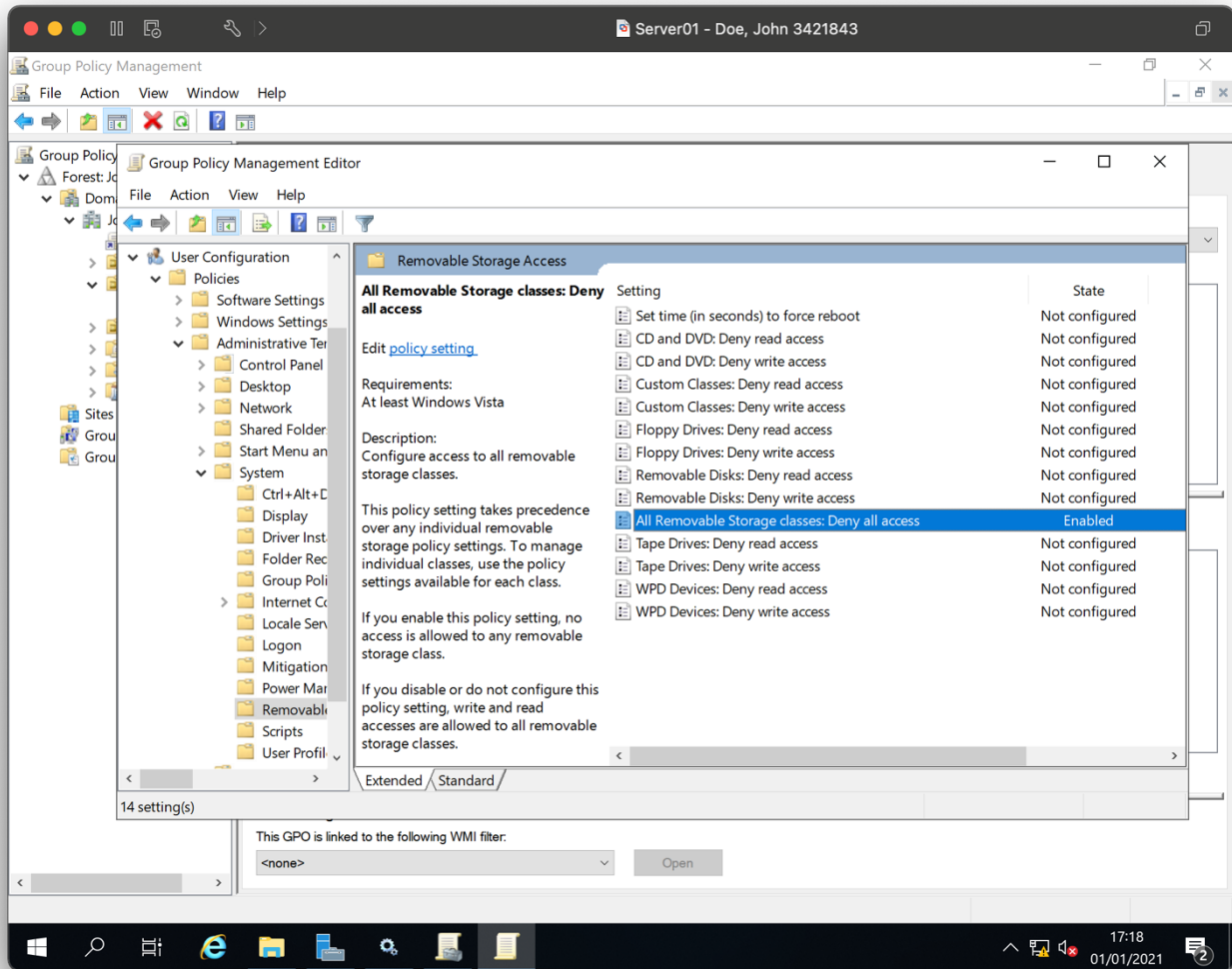
SNMP data collection



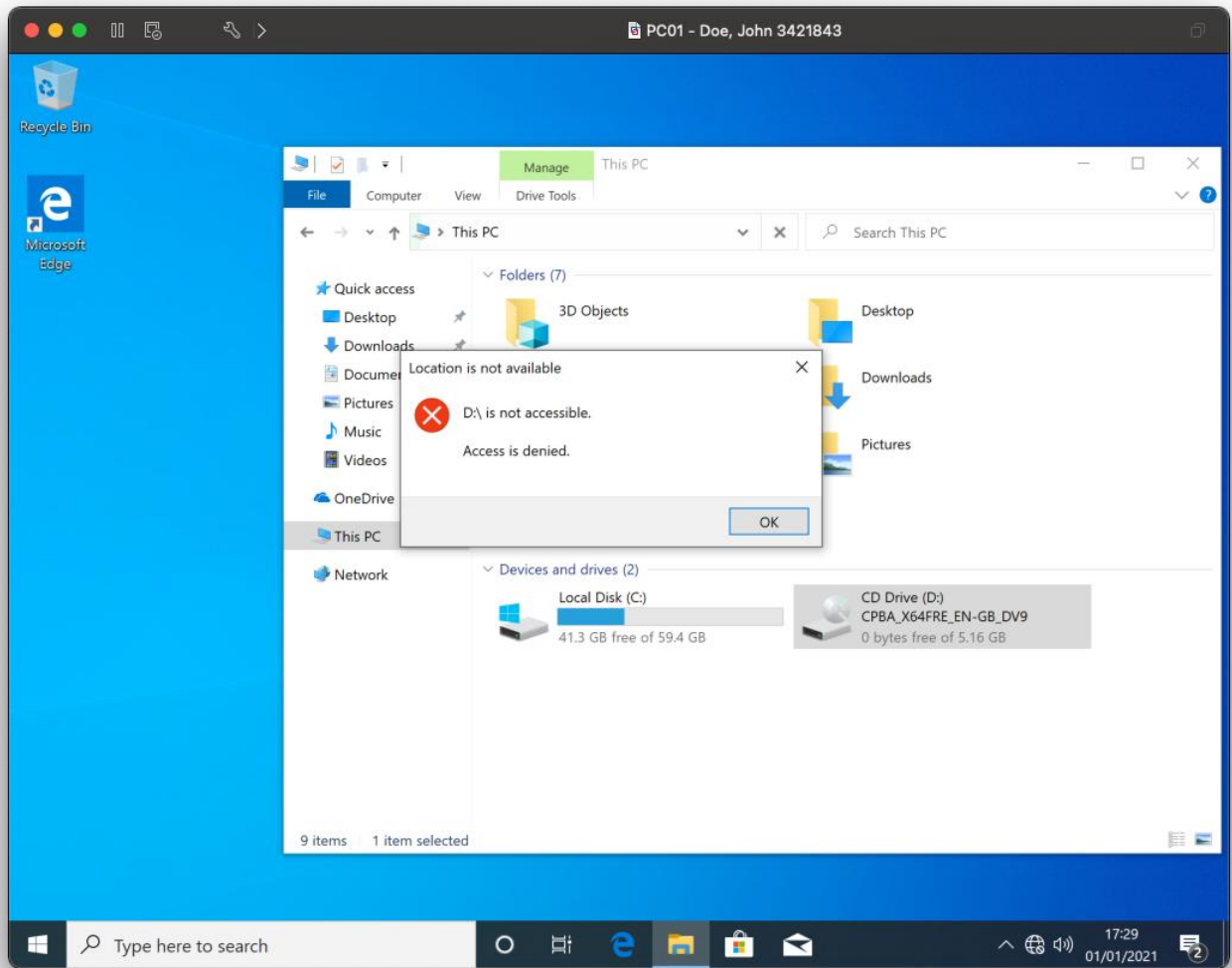
Step H

Policy 1 – disable USB support

Print screen on Server01 showing the blocking of removable devices have been enabled in group policy

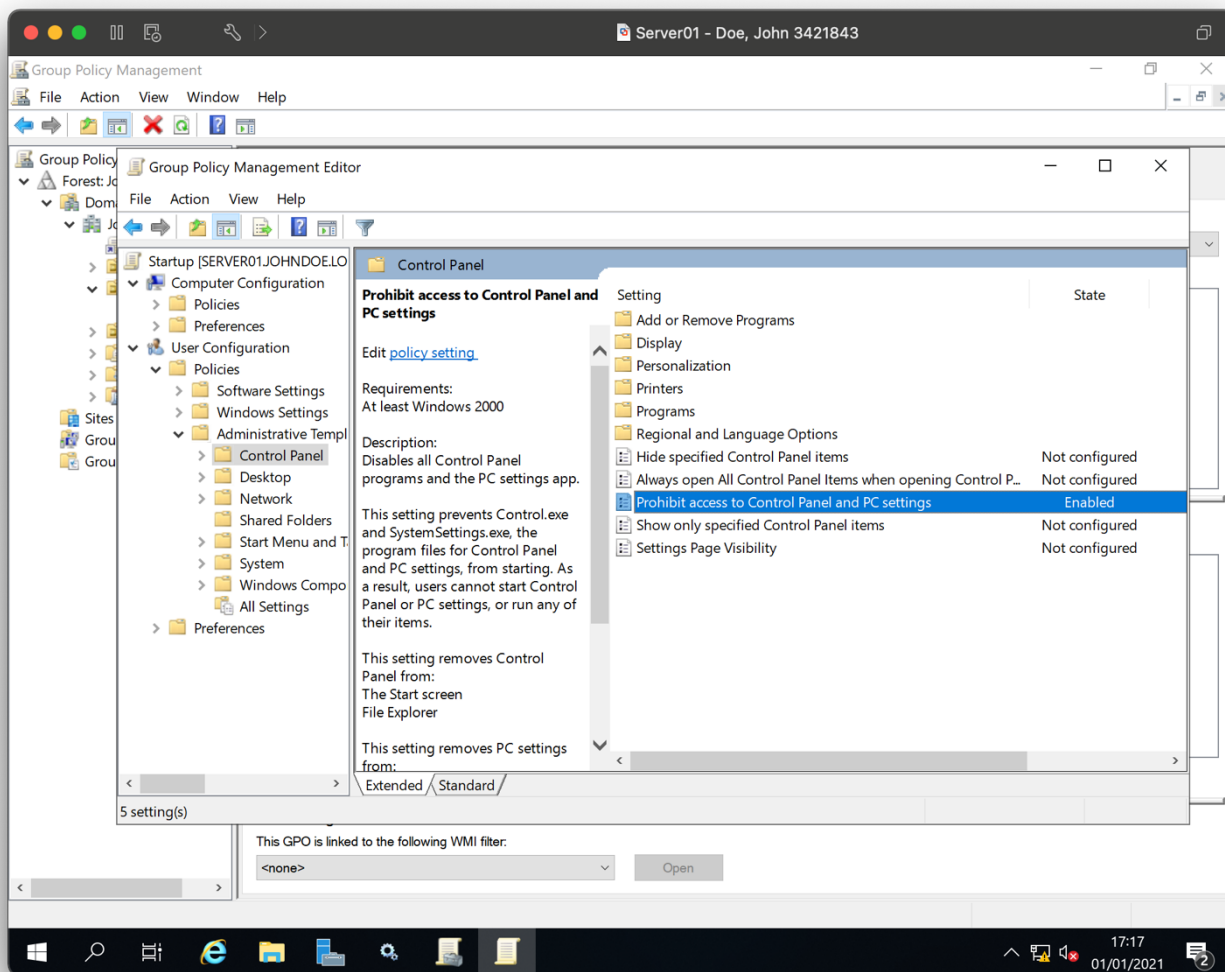


Print screen showing that when a USB is connected to PC01, an error message displays on the screen blocking access

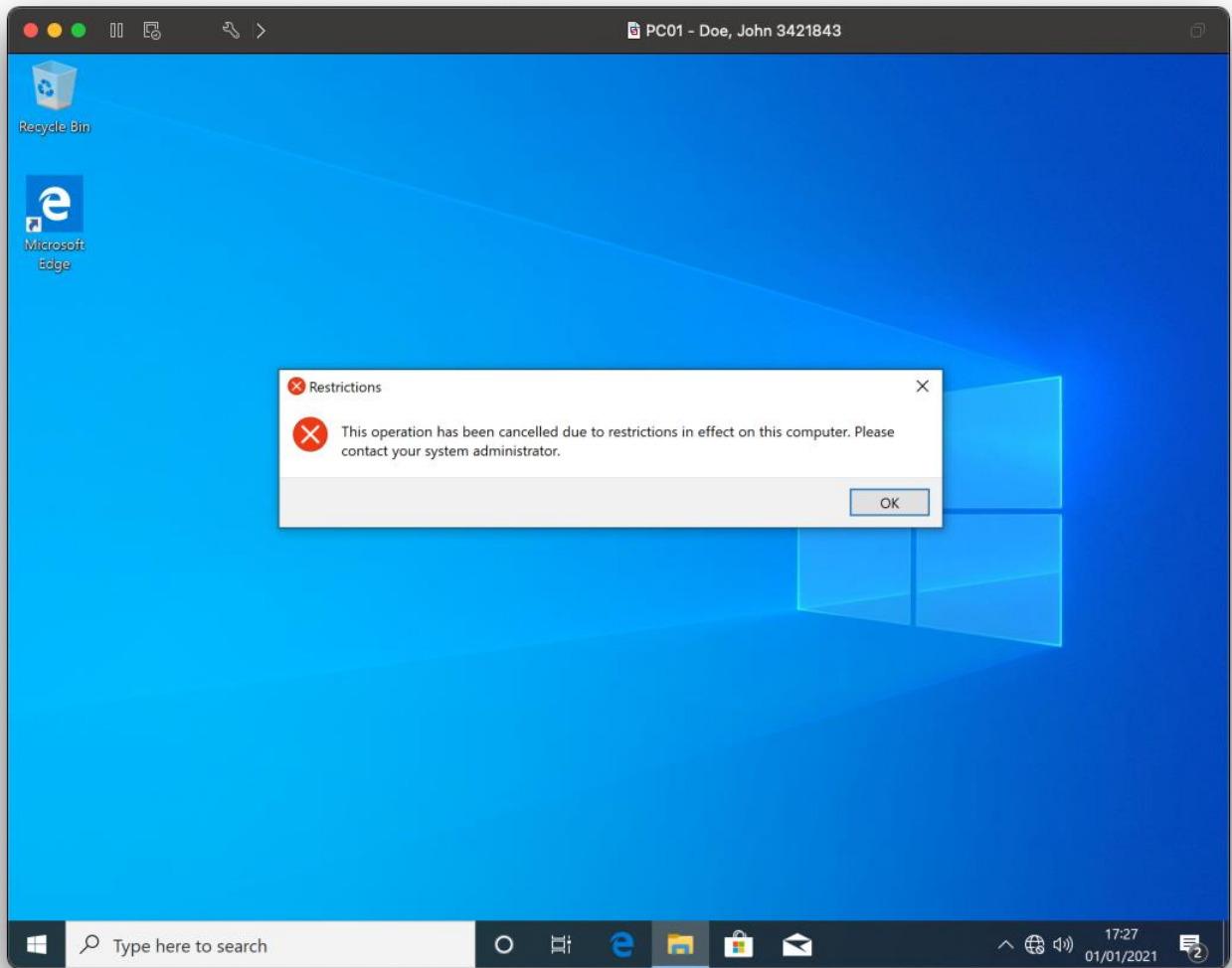


Policy 2 – disable access to the control panel

Print screen on Server01 showing control panel access have been enabled in group policy

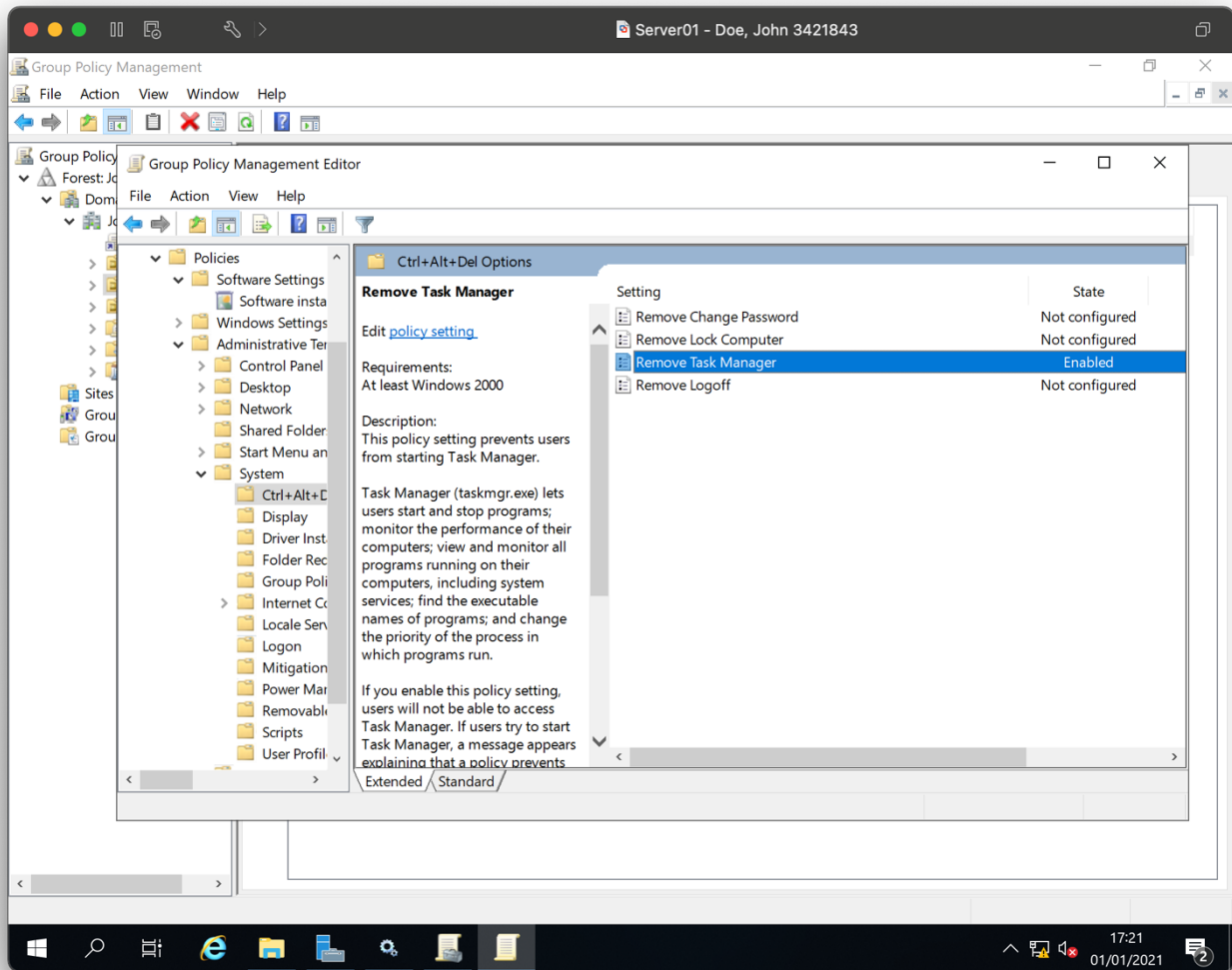


Print screen showing that control panel menu icons have been hidden on PC01

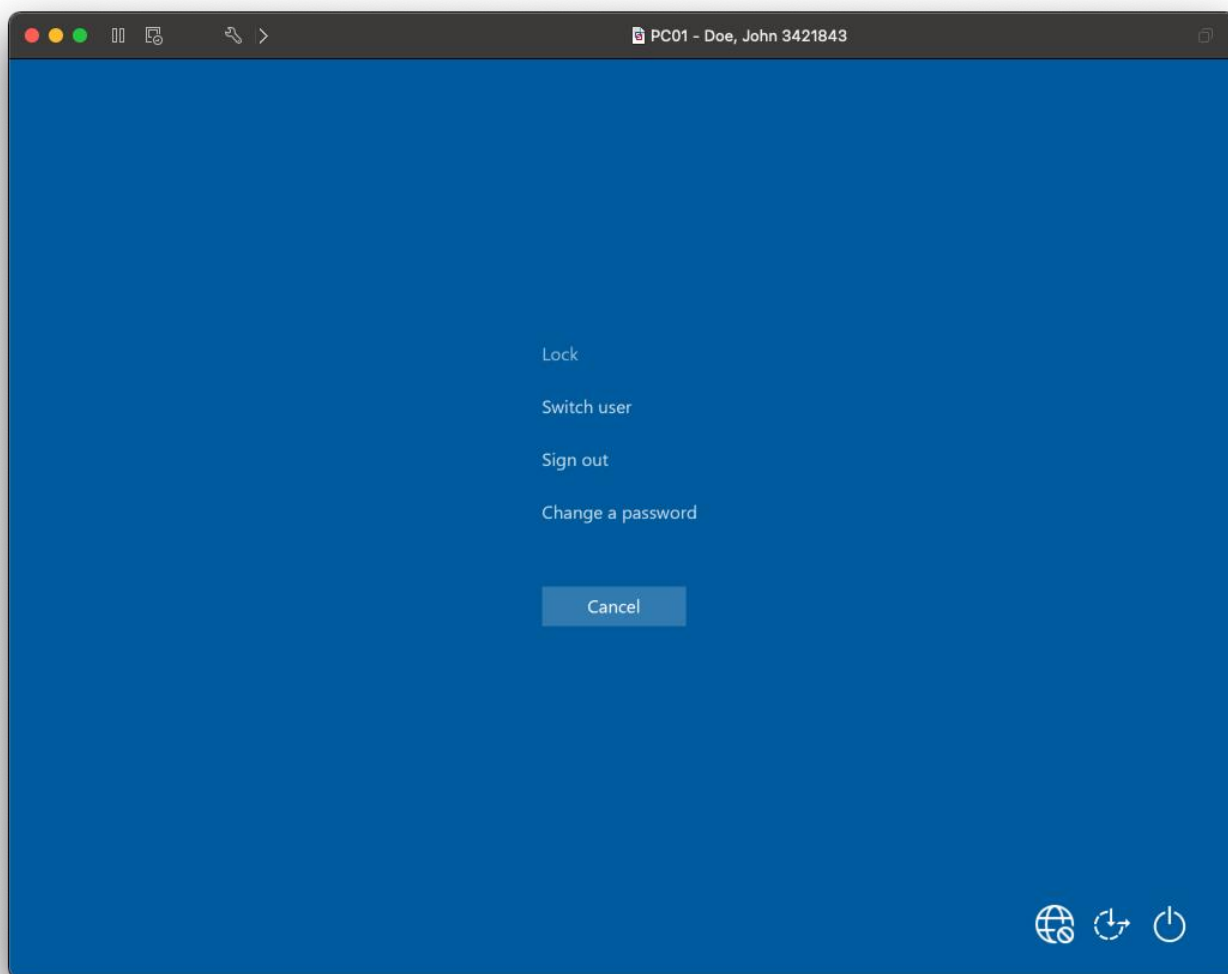


Policy 3 – disable task manager access

Print screen on Server01 showing that task manager access is denied in group policy

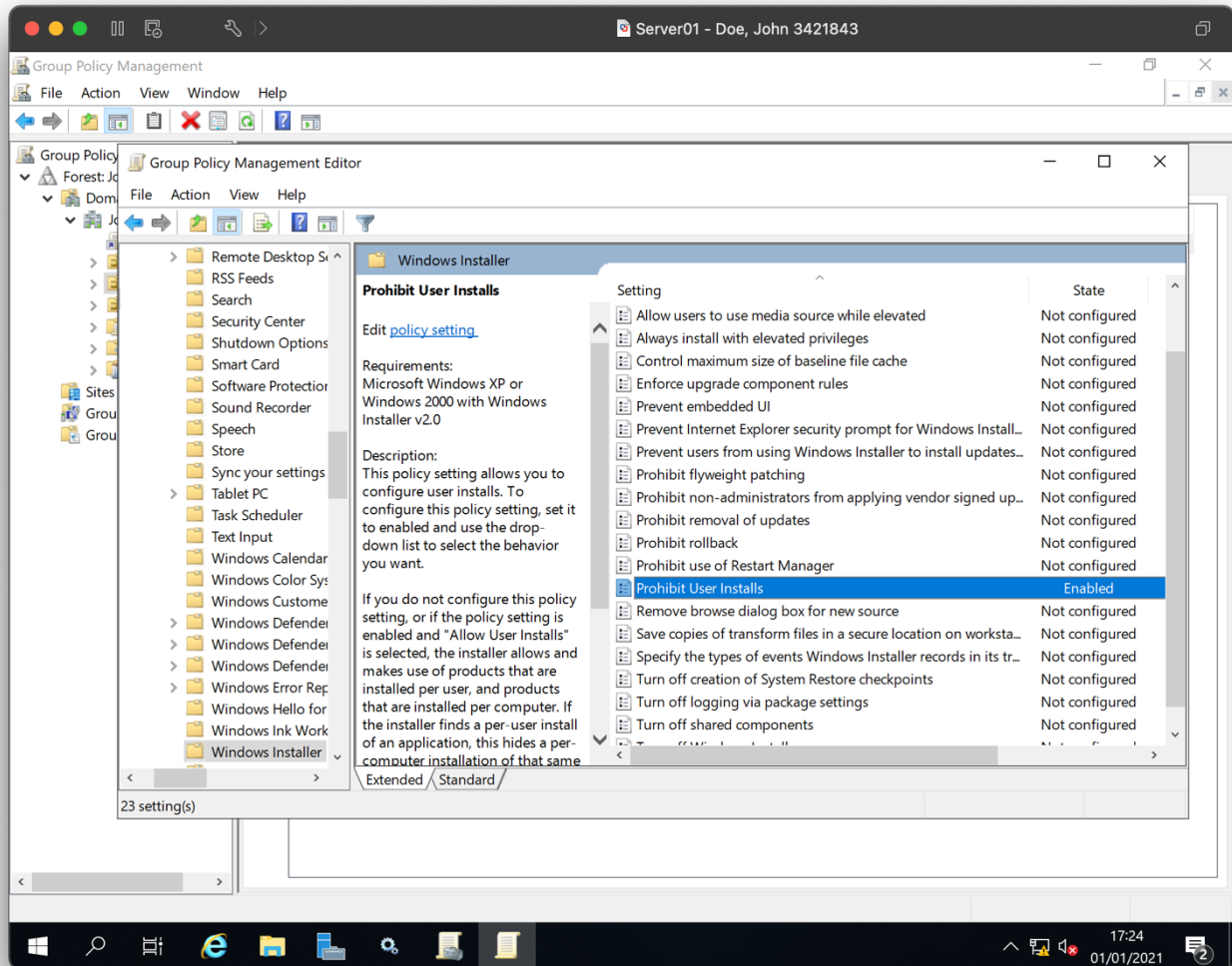


Print screen showing that you cannot access task manager on PC01 as it is hidden from the CTRL+ALT+ Delete screen

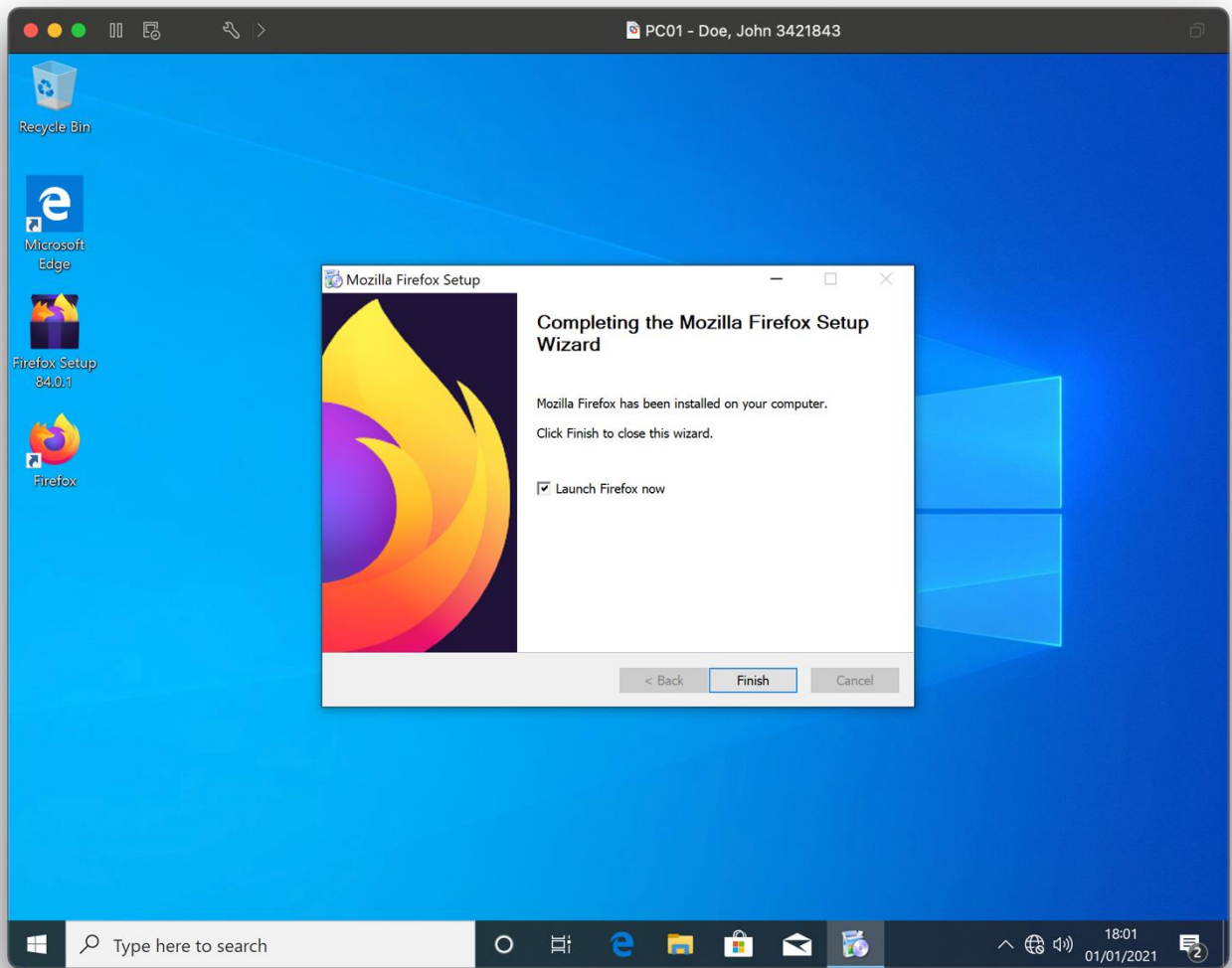


Policy 4 – prevent the installing of applications

Print screen on Server01 showing the prevention of installing applications in group policy

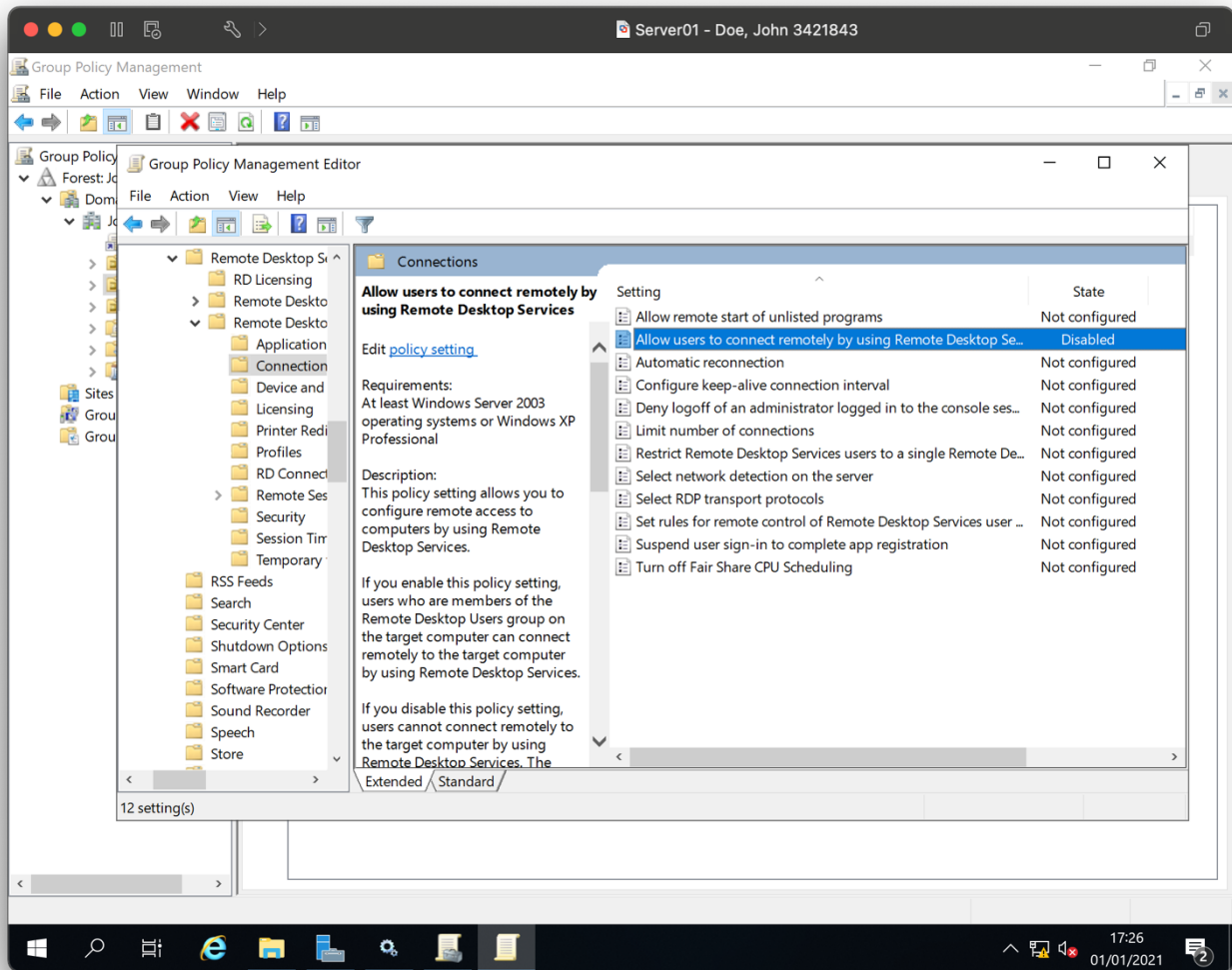


Print screen showing that when an .EXE is clicked, it will not execute and stops with an error message displays on the screen

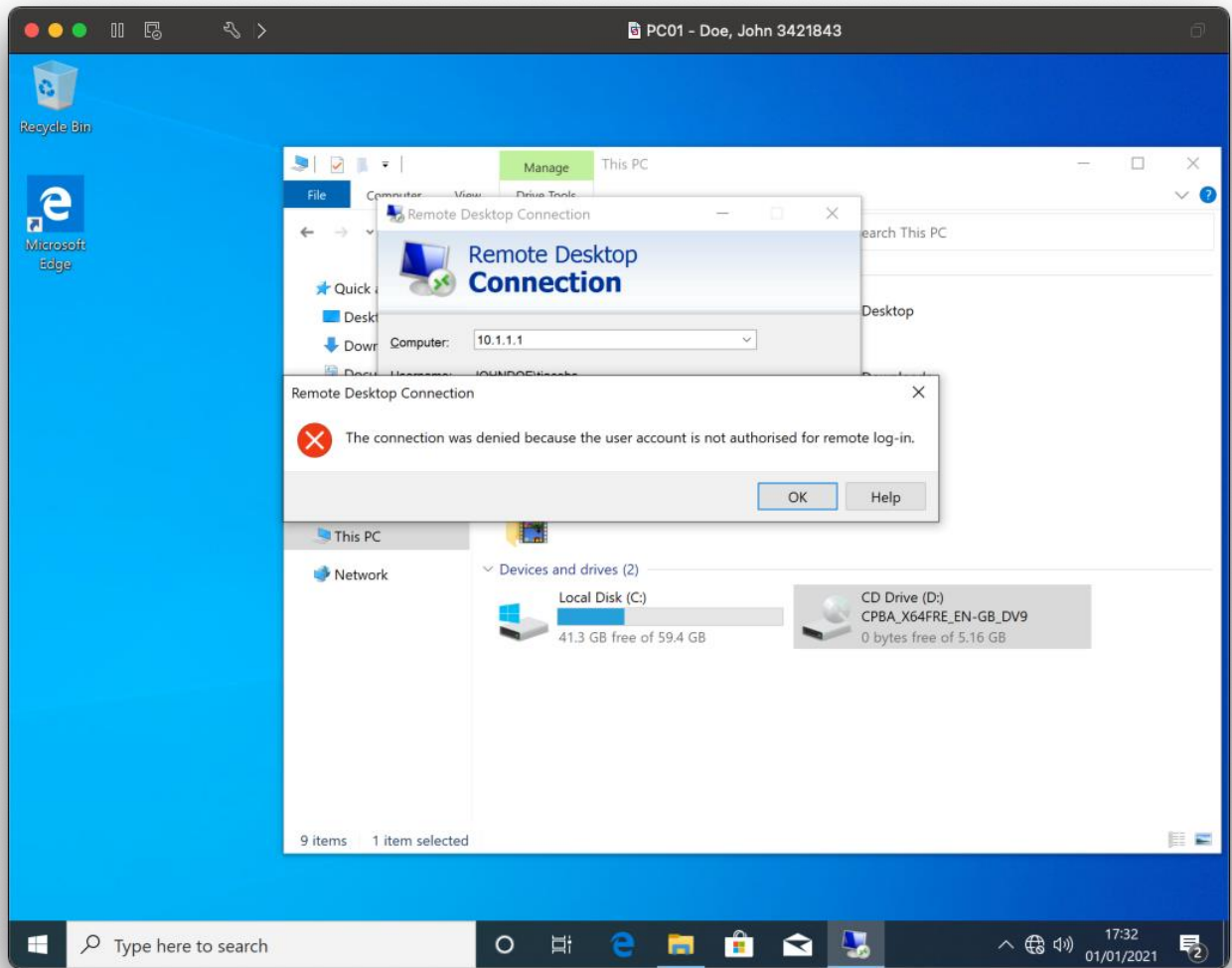


Policy 5 – disable remote desktop]

Print screen on Server01 showing remote desktop has been disabled in group policy



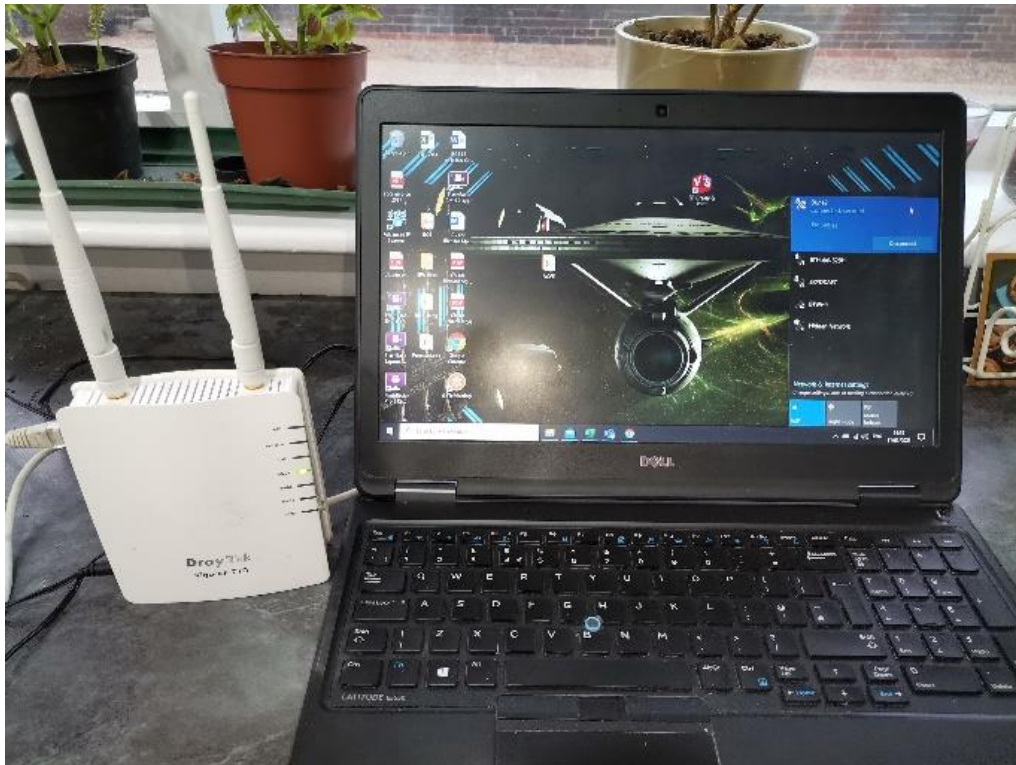
Print screen showing that when a remote desktop connections cannot be made to PC01 from Server01

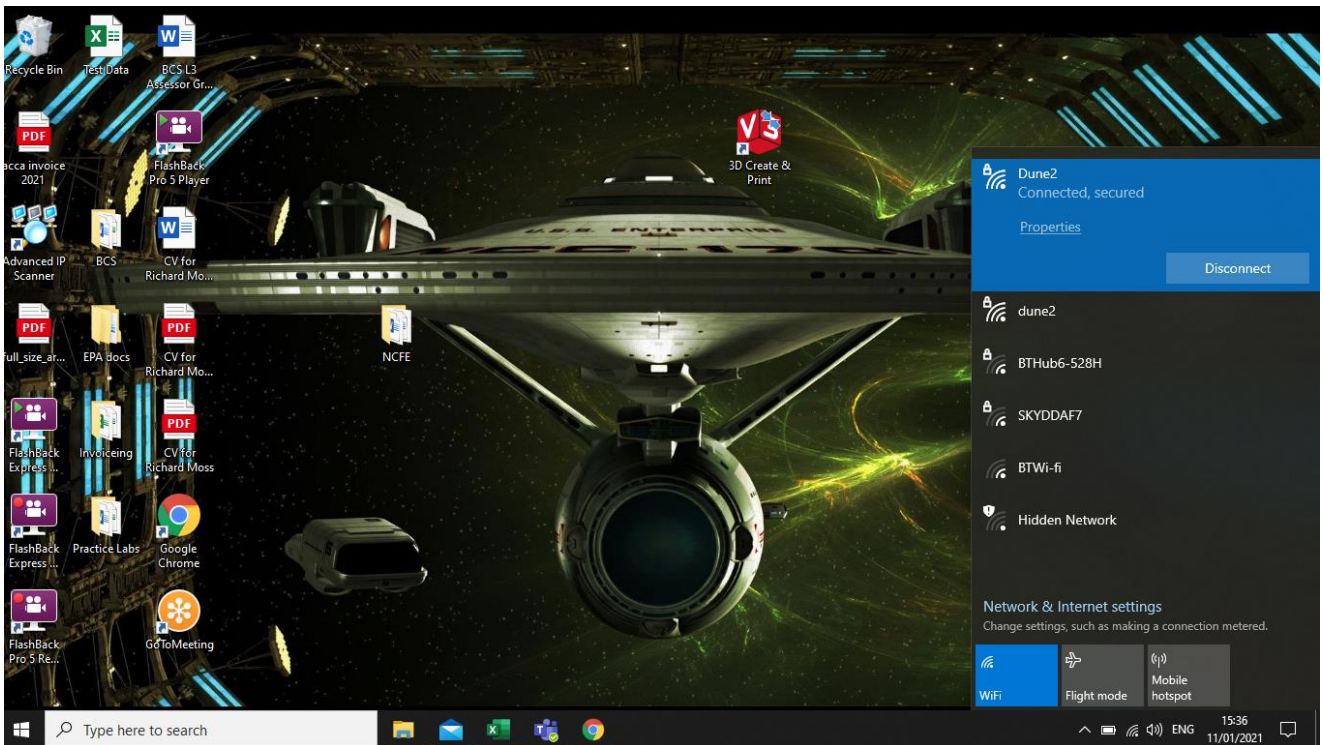


Step 1

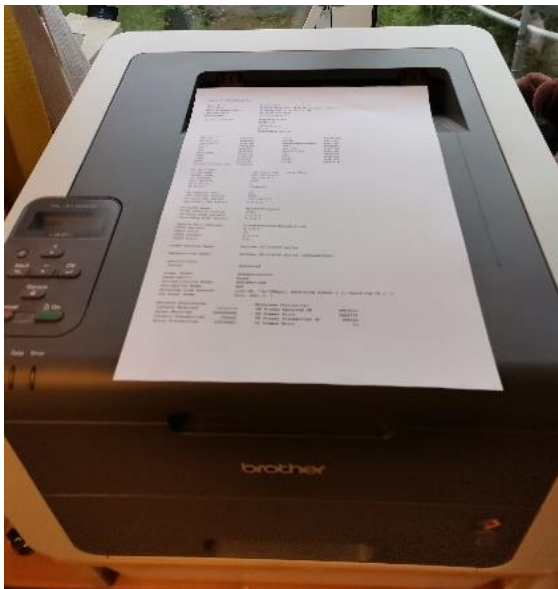
Installation and configuration of the wireless device

Photograph showing the access point connected to the host machine via an ethernet cable





Printing the printers WiFi Settings to show it is connected to the WiFi



```
LegacyAuth      Enabled
Telnet          Disabled
LPD              Enabled
IPP              Enabled
POP3/SMTP       Enabled
TFTP            Disabled
mDNS             Enabled
SNTP             Enabled
Brother Online Con. Disabled

WebBasedManagement
SNMP
Raw Port
WebServices
FTP
CIFS
LLMNR
Proxy

<IP Settings>
IP Address      192.168.0.100 (via DHCP)
Subnet Mask     255.255.255.0
IP Gateway      192.168.0.1
Boot Method     AUTO
Boot Tries      3
IP Filter       Disabled

GW Timeout (sec) 21
DNS Address Config AUTO
Primary DNS Server 192.168.0.1
Secondary DNS Server 0.0.0.0

<NetBIOS Name> BrotherPrinterC
```

```

<NETWORK CONFIGURATION>

<Interface>                               WirelessLAN on
<Node Type>                               Brother BC-8100w, IEEE 802.11b/g/n (Active)
<Node Firmware Ver.>                     Firmware Ver.1.11 (17.01.27)
<MAC Address>                             a8-6b-ad-43-29-0c
<Node name>                               BrotherPrinterC

<Active services>                         BRNA86BAD43290C
                                           BINARY_P1
                                           TEXT_P1
                                           POSTSCRIPT_P1
                                           PCL_P1
                                           BRNA86BAD43290C_AT

<Protocols>
TCP/IP                                     Enabled                               IPv6                               Disabled
NetBIOS/IP                               Enabled                               APIPA                               Enabled
LegacyAuth                                Enabled                               WebBasedManagement                Enabled
Telnet                                     Disabled                              SNMP                                Disabled
LPP                                        Enabled                               Raw Port                            Enabled
POP3/SMTF                                 Enabled                               WebServices                         Enabled
TFTP                                       Disabled                              FTP                                  Disabled
xDNS                                       Enabled                               CIFS                                 Enabled
SMTP                                       Enabled                               LLNMR                               Enabled
Brother Online Con.                       Disabled                              Proxy                               Disabled

<IP Settings>
IP Address                               192.168.0.100                       (via DHCP)
Subnet Mask                               255.255.255.0
IP Gateway                                192.168.0.1
Boot Method                               AUTO
Boot Tries                                3
IP Filter                                 Disabled

GW Timeout (sec)                         21
DNS Address Config                        AUTO
Primary DNS Server                        192.168.0.1
Secondary DNS Server                       0.0.0.0

<NetBIOS Name>                           BrotherPrinterC
<WINS Address Config>                     AUTO
<Primary WINS Server>                     0.0.0.0
<Secondary WINS Server>                   0.0.0.0

<Service Mail Address>                    brna86bad43290c@example.com
<SMTP Server>                              0.0.0.0
<SMTP Port>                                25
<POP3 Server>                              0.0.0.0
<POP3 Port>                                110

<DNS Service Name>                        Brother HL-3140CW series
<WebServices Name>                        Brother HL-3140CW series [a86bad43290c]

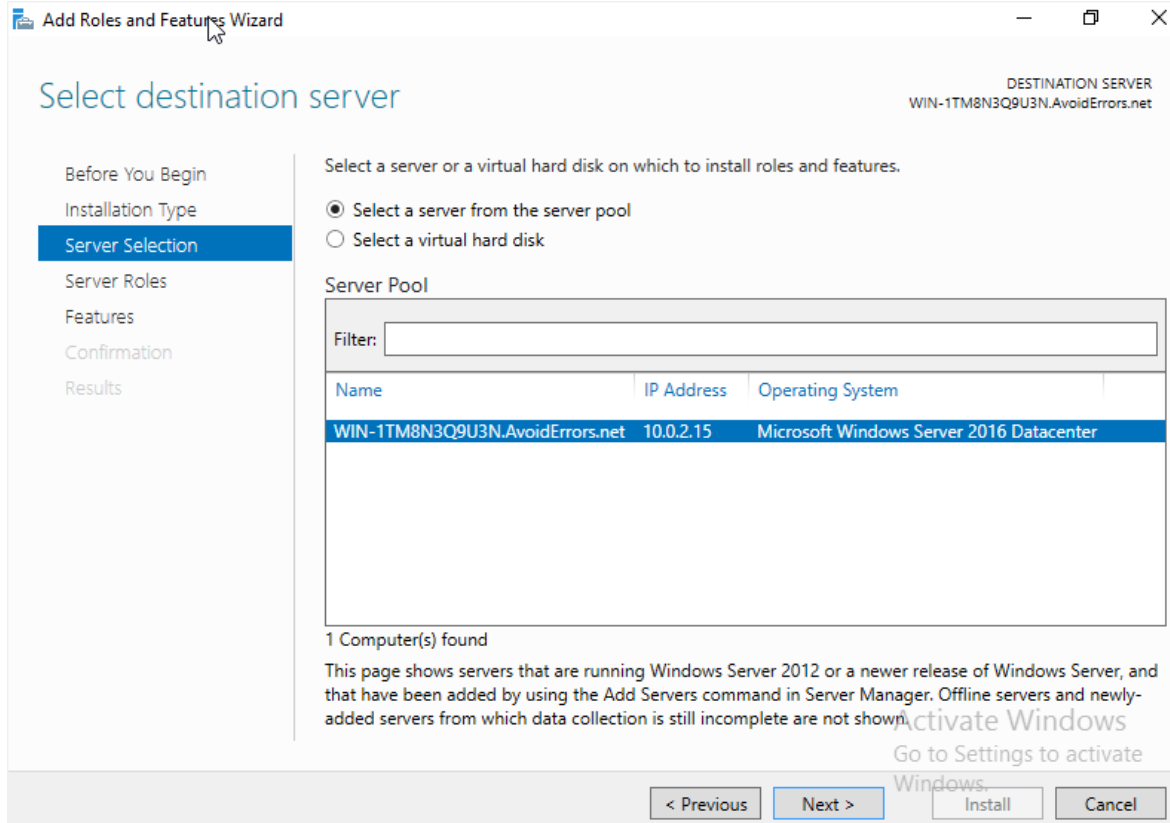
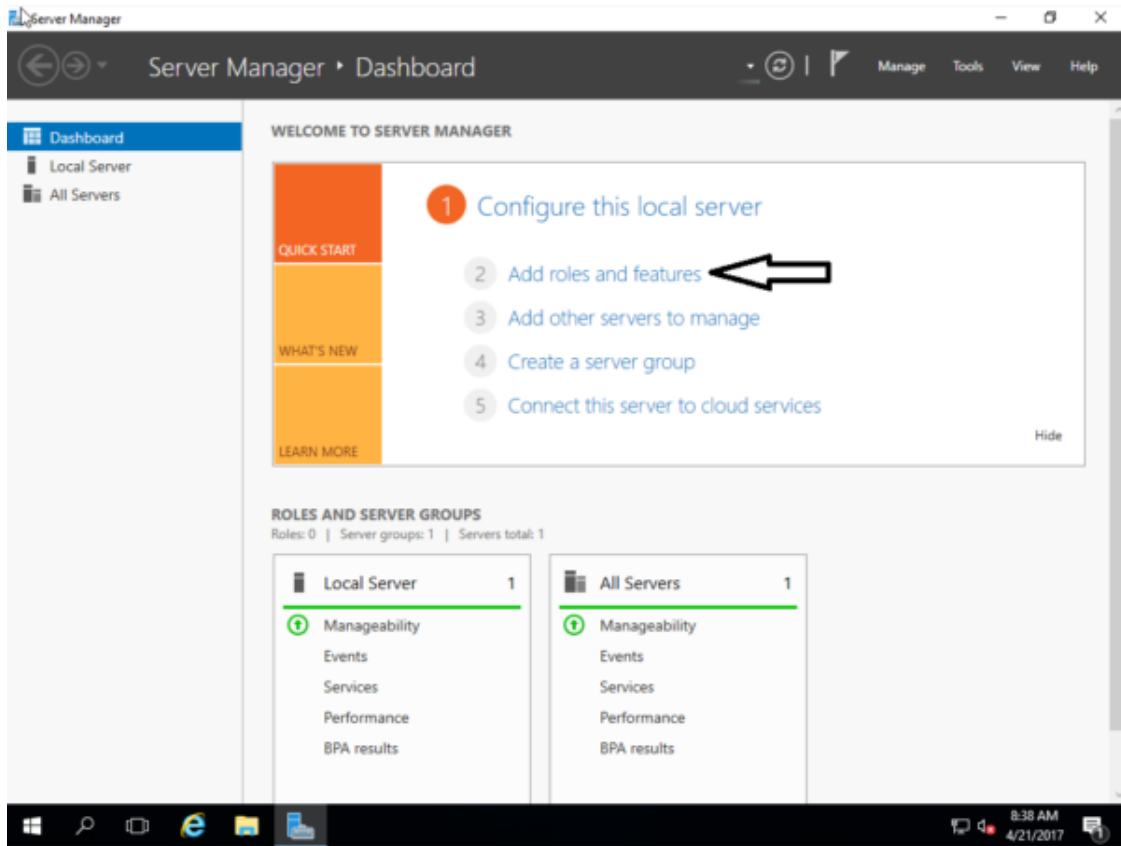
<Certificate>
Status                                    Installed

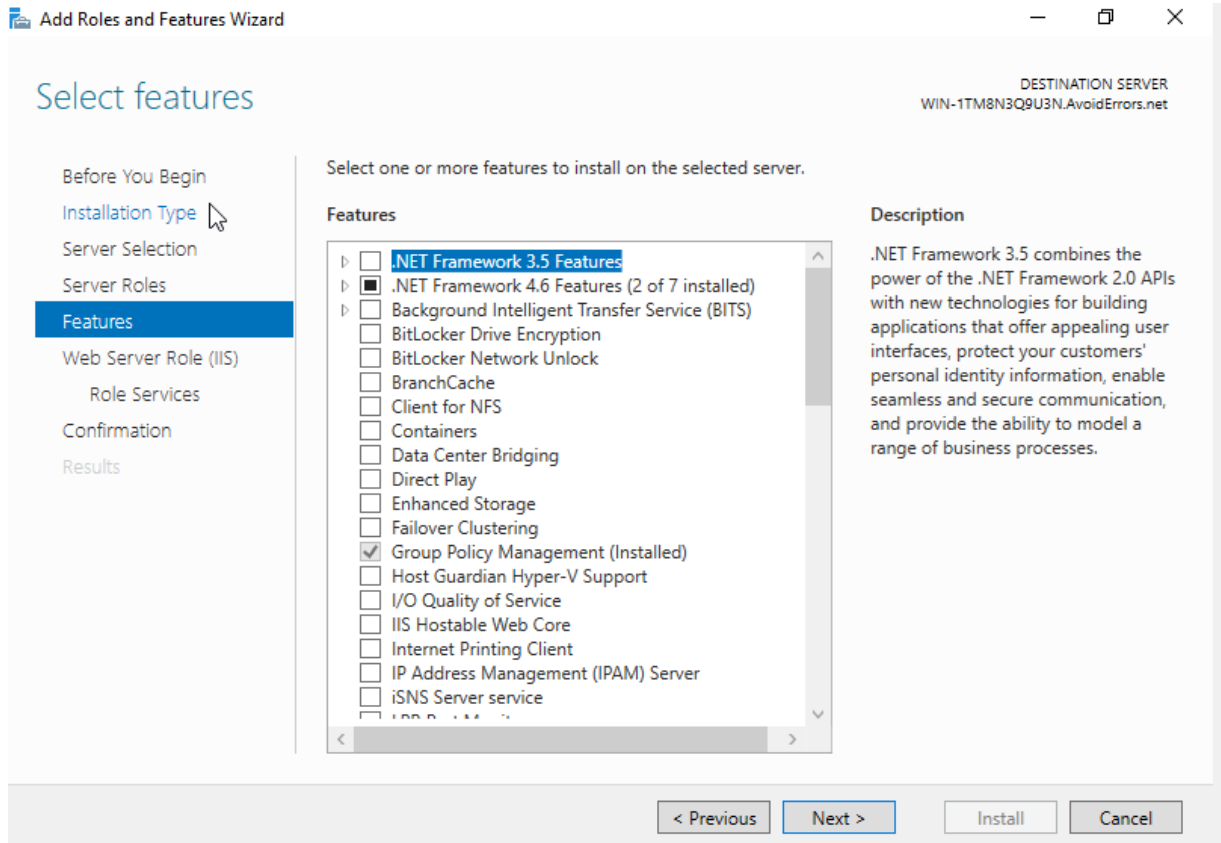
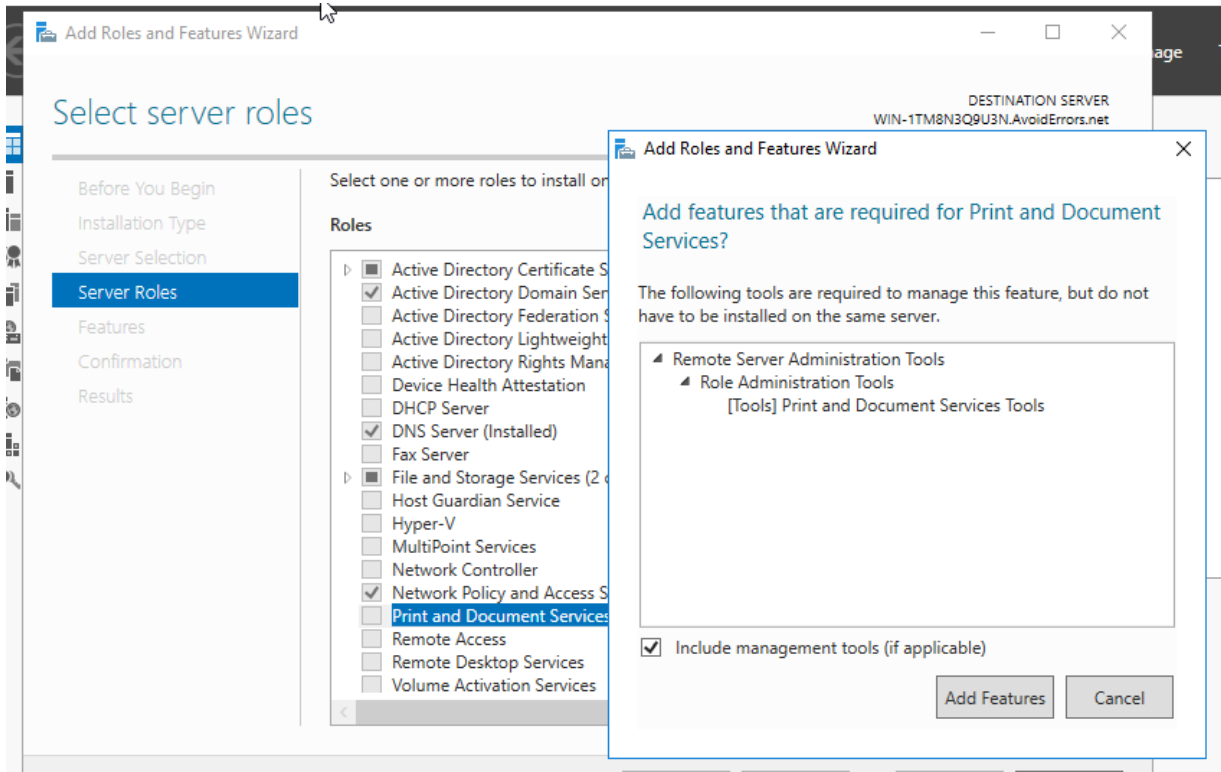
<Conn. Mode>                              Infrastructure
<Name(SSID)>                               Duna2
<Authentication Mode>                     WPA/WPA2-PSK
<Encryption Mode>                          AES
<Wireless Link Status>                    Link OK, 11n(72Mbps), Receiving Signal = 3, Operating Ch = 11
<Tx Power Code>                            Full, 226, 0, 1

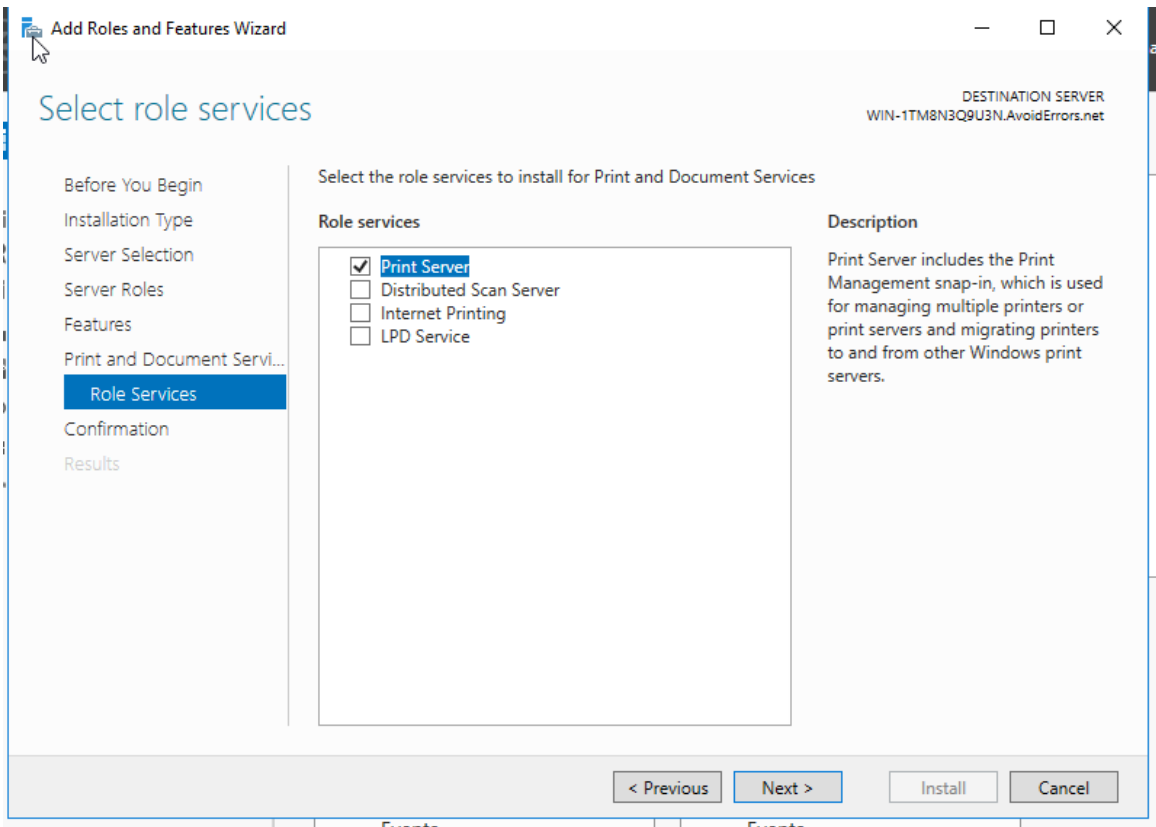
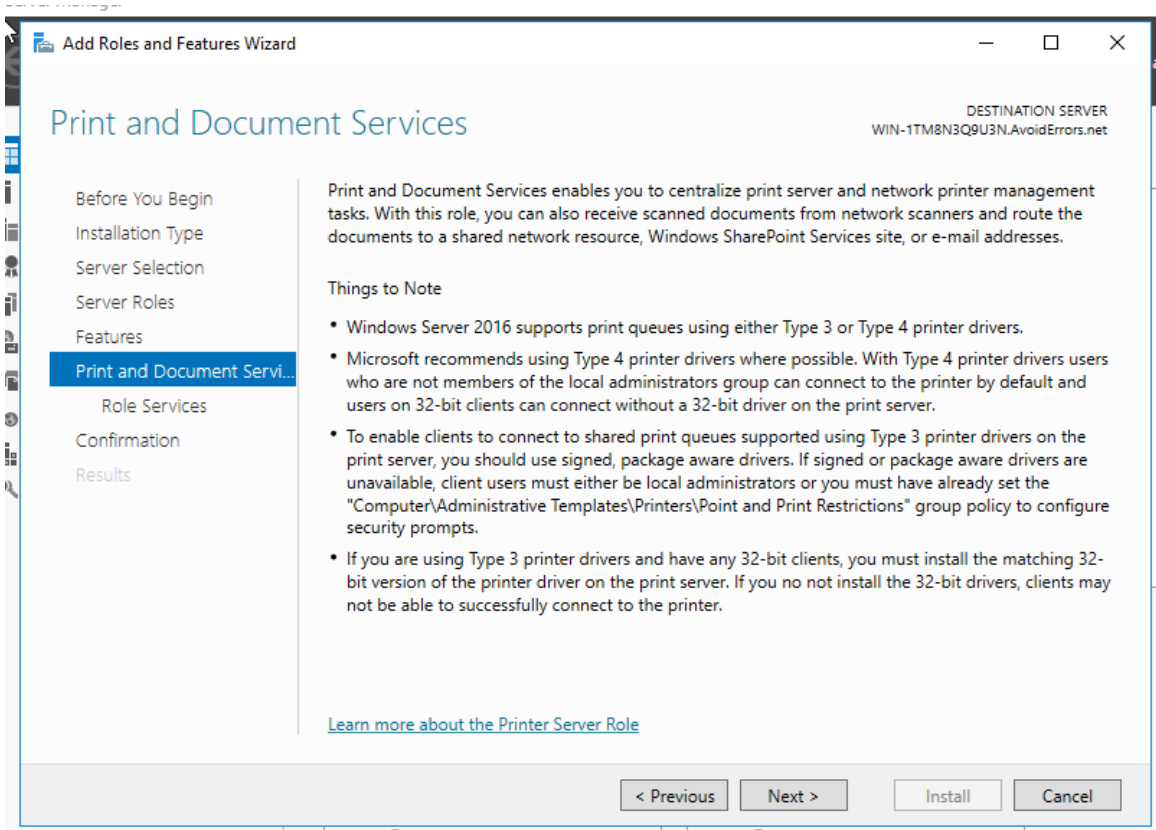
<Network Statistics>
Packets Received                          10741314
Bytes Received                             999999999
Packets Transmitted                        266420
Bytes Transmitted                          23558400

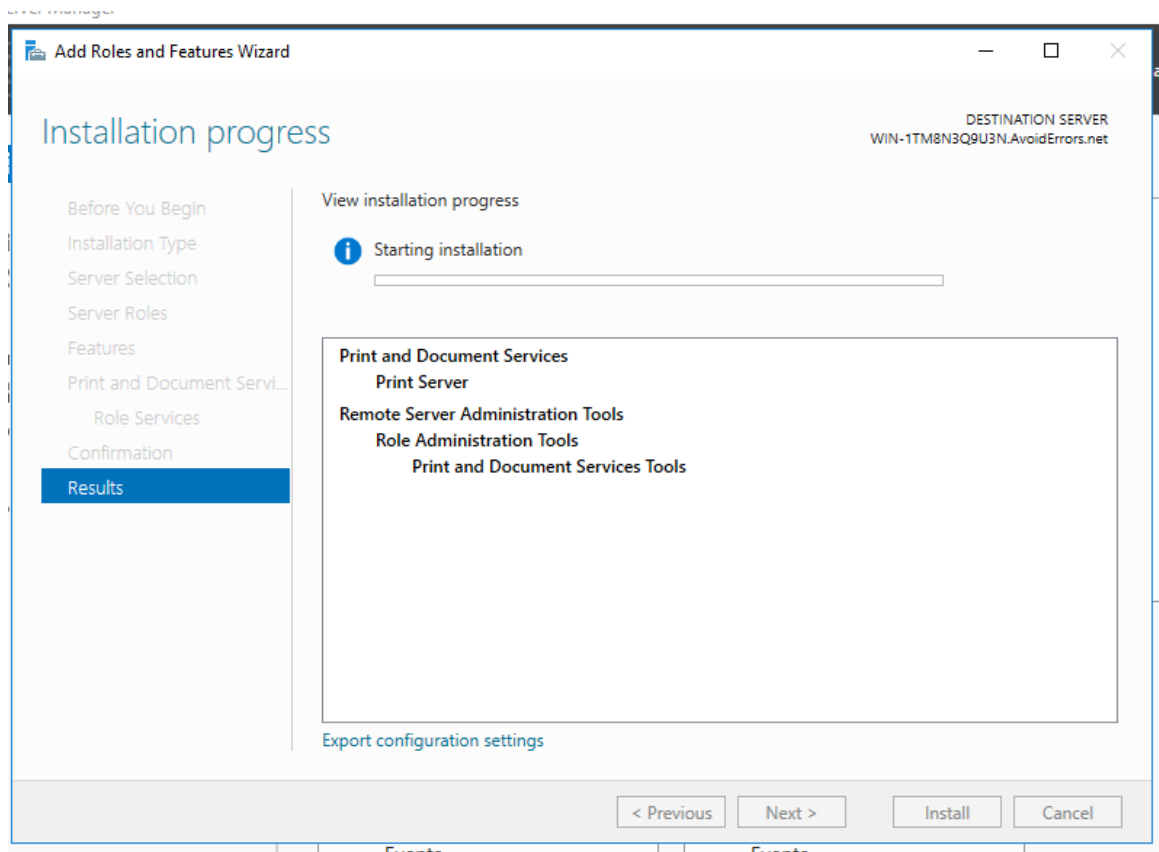
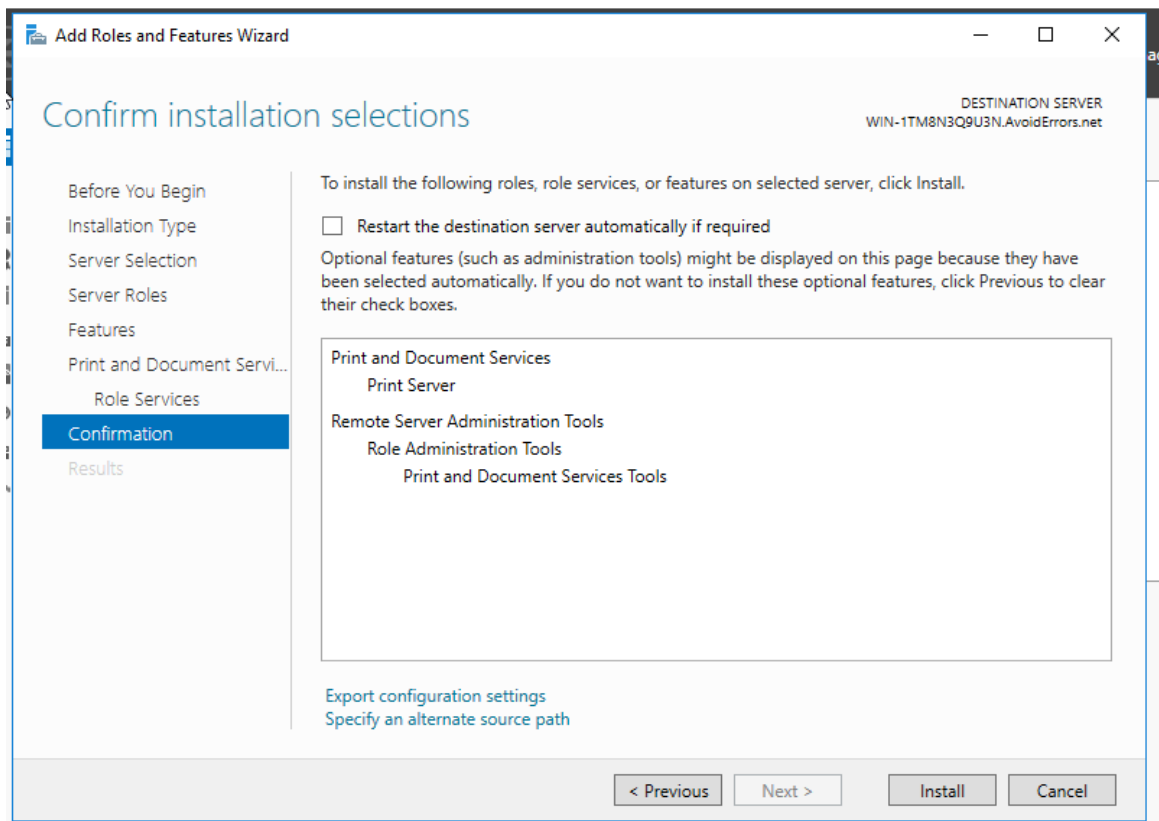
<Wireless Statistics>
RX Frames Received OK                      6893432
RX Frames Error                             500737
TX Frames Transmitted OK                    399358
TX Frames Error                             12
    
```

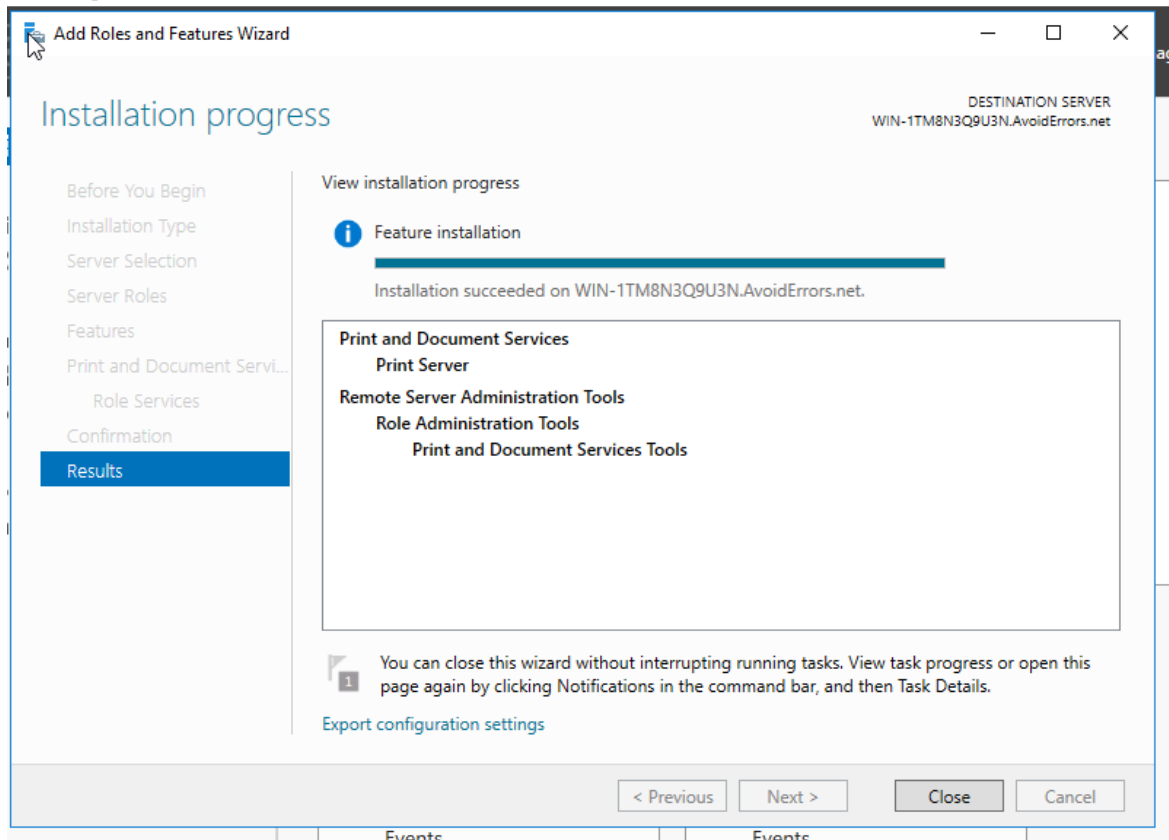
The following images show the adding of the print services to the server and the adding of the WiFi printer.





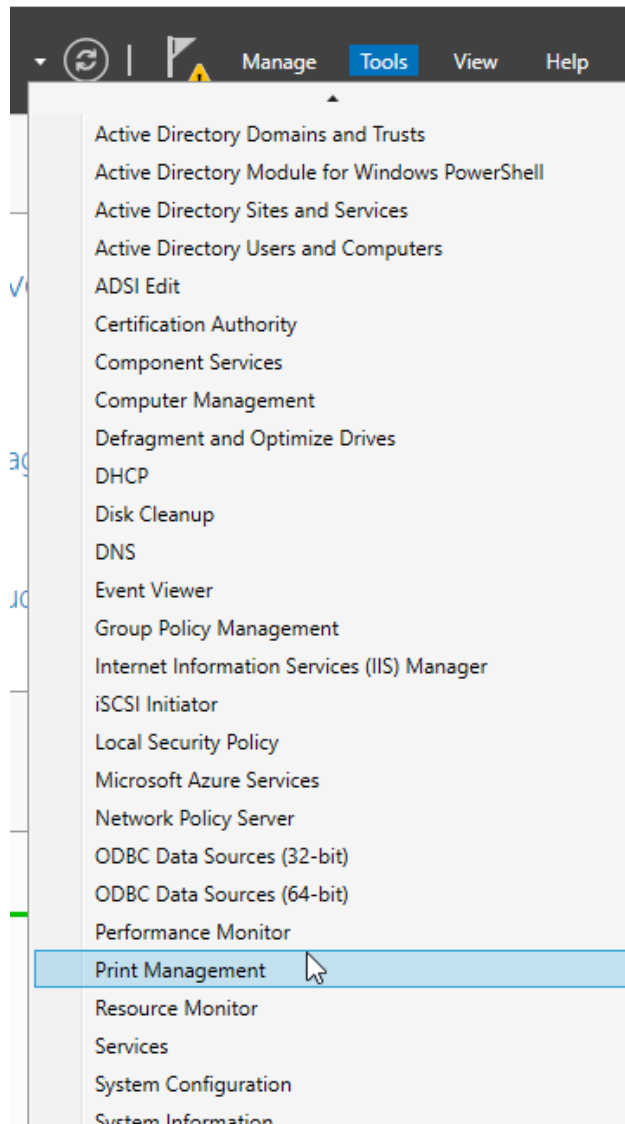


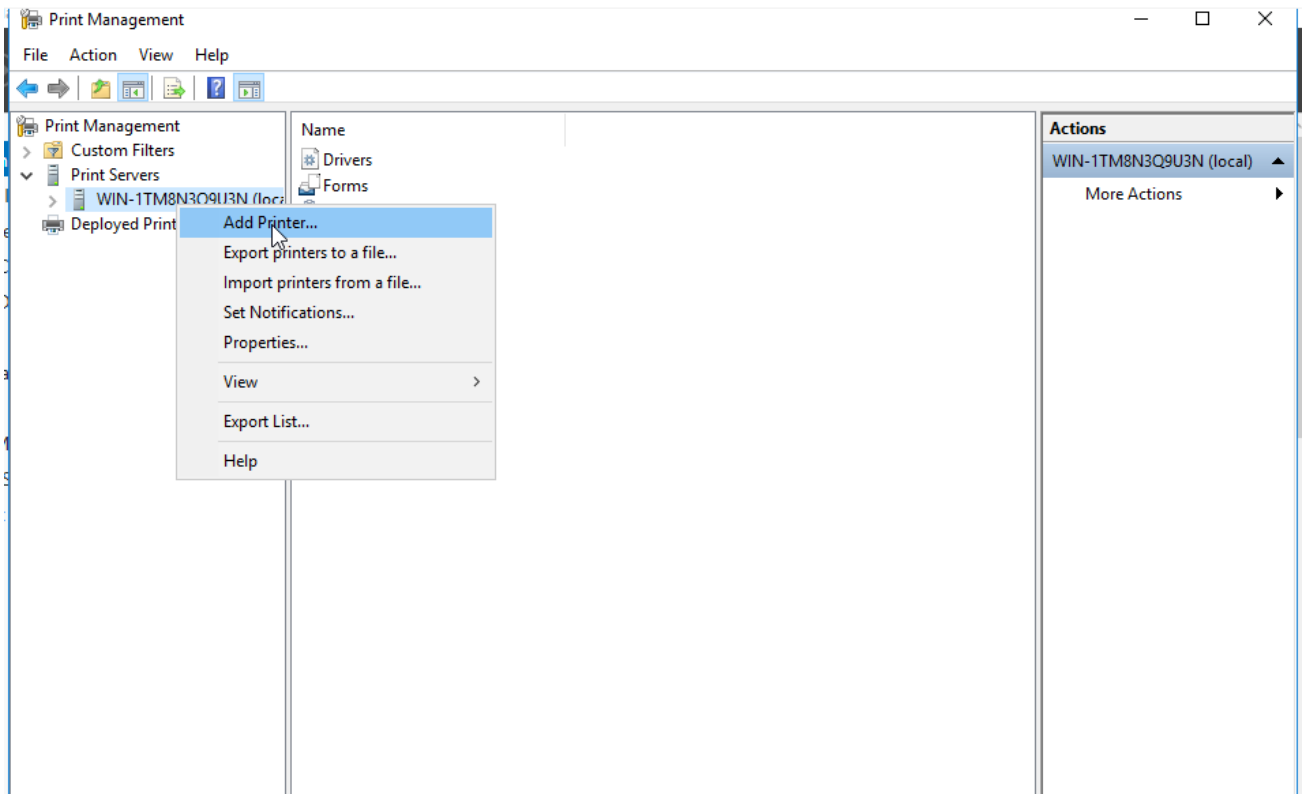


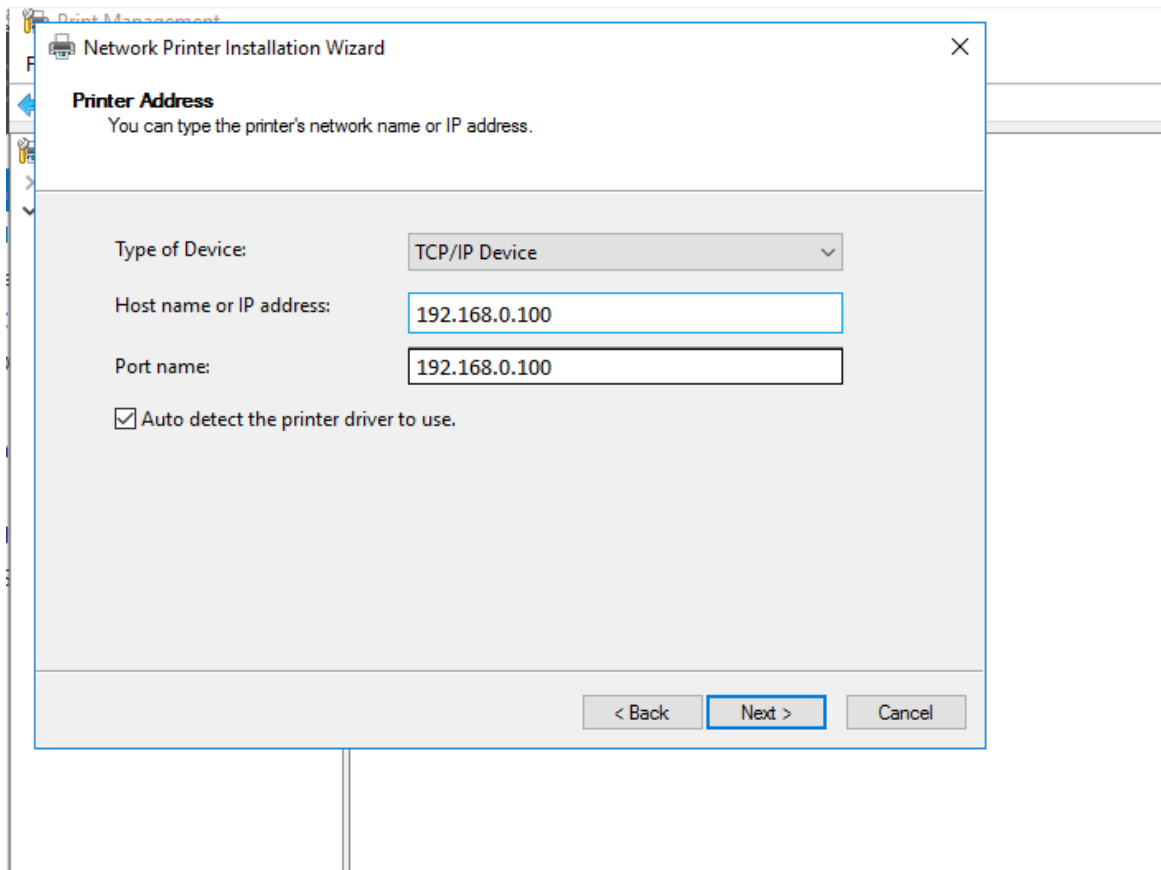
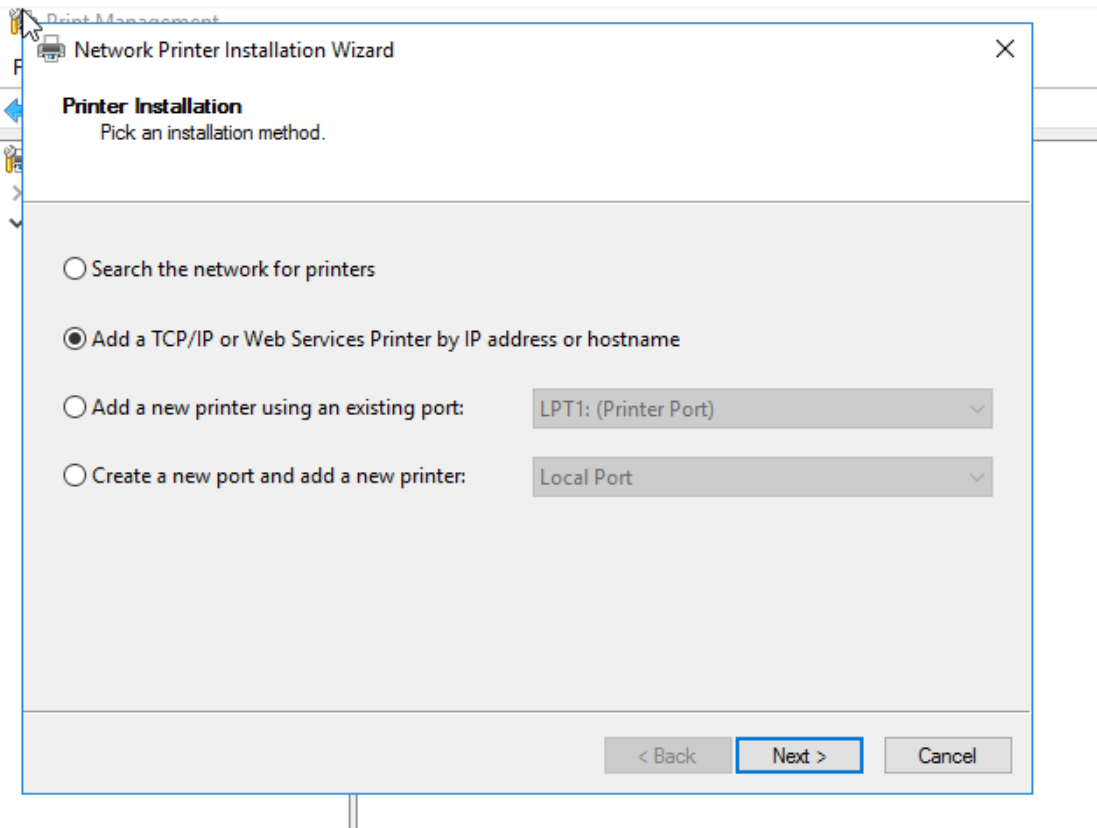


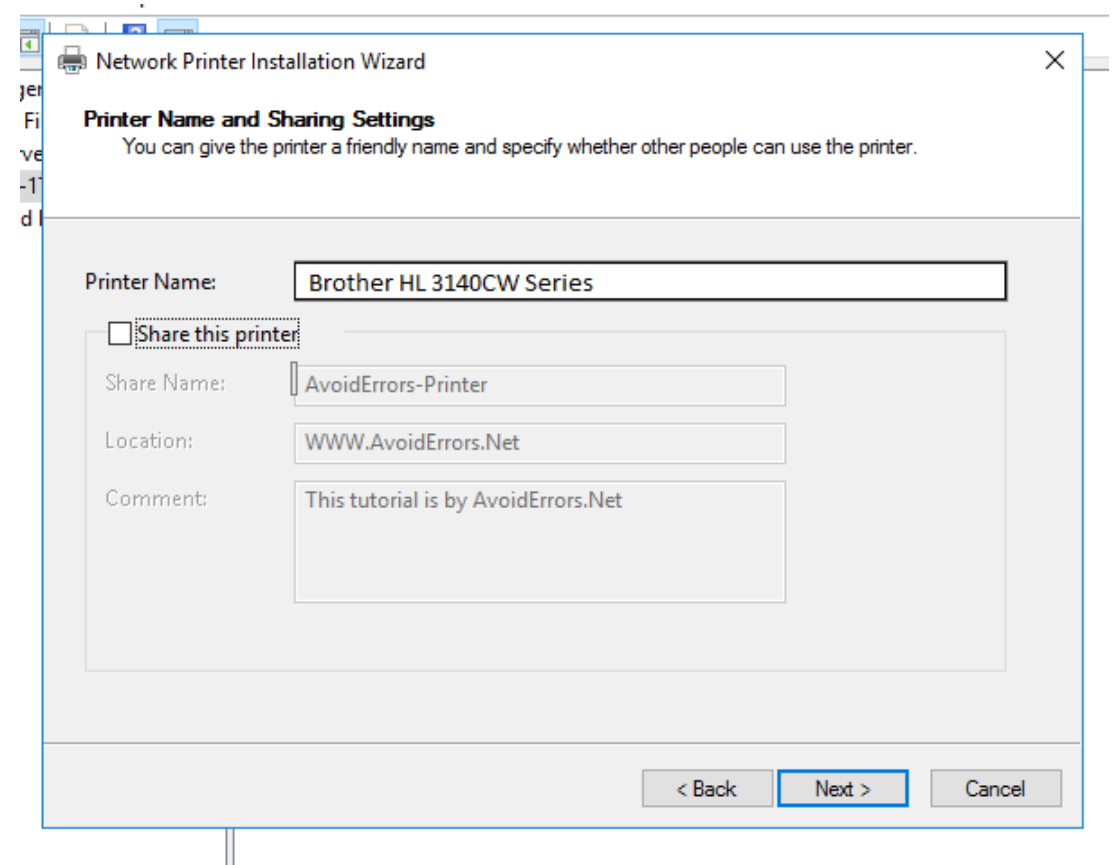
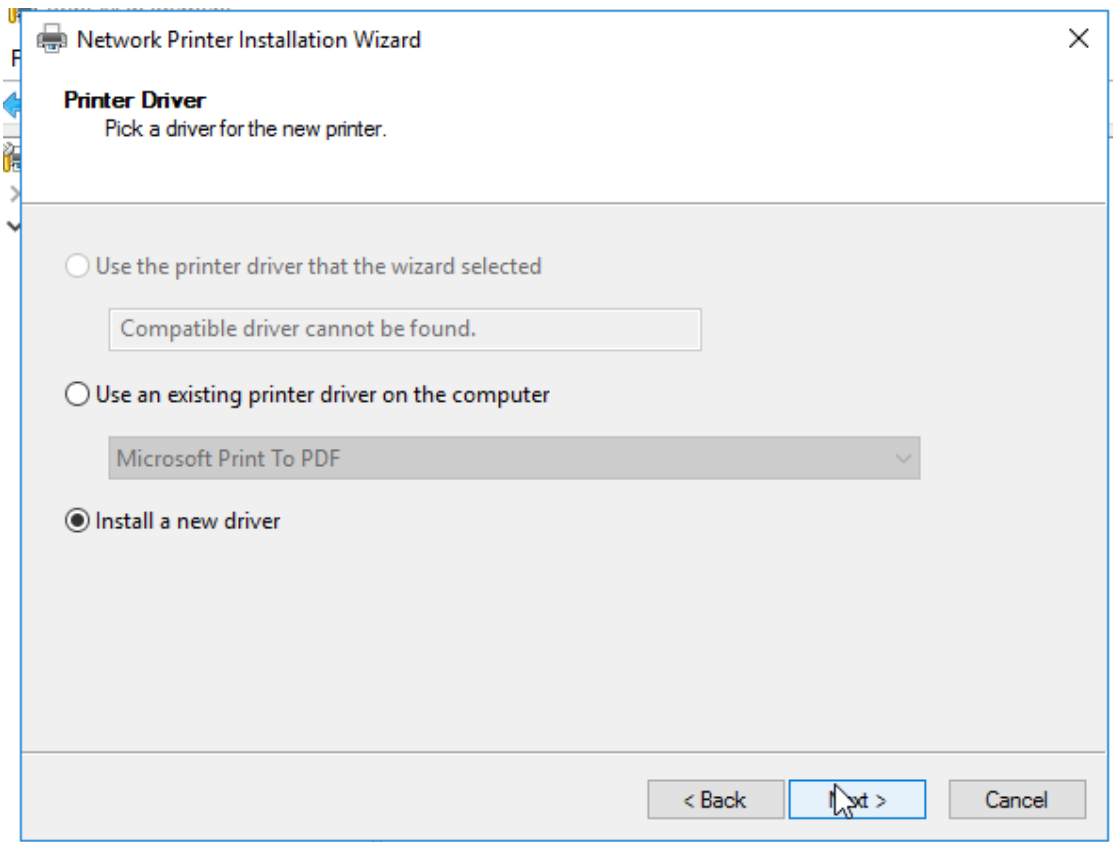
Configure print server and network printer on Windows Server 2016

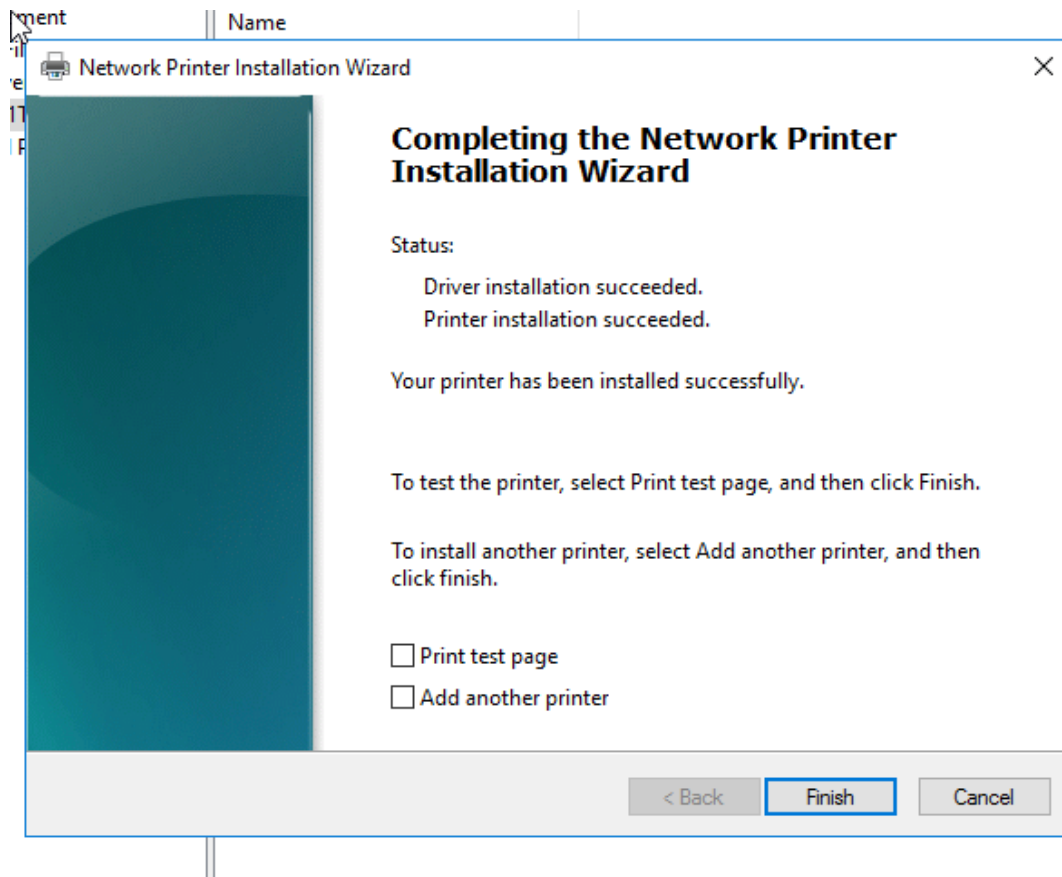
Screen prints showing the connection to the WiFi printer and the installation of the drivers.



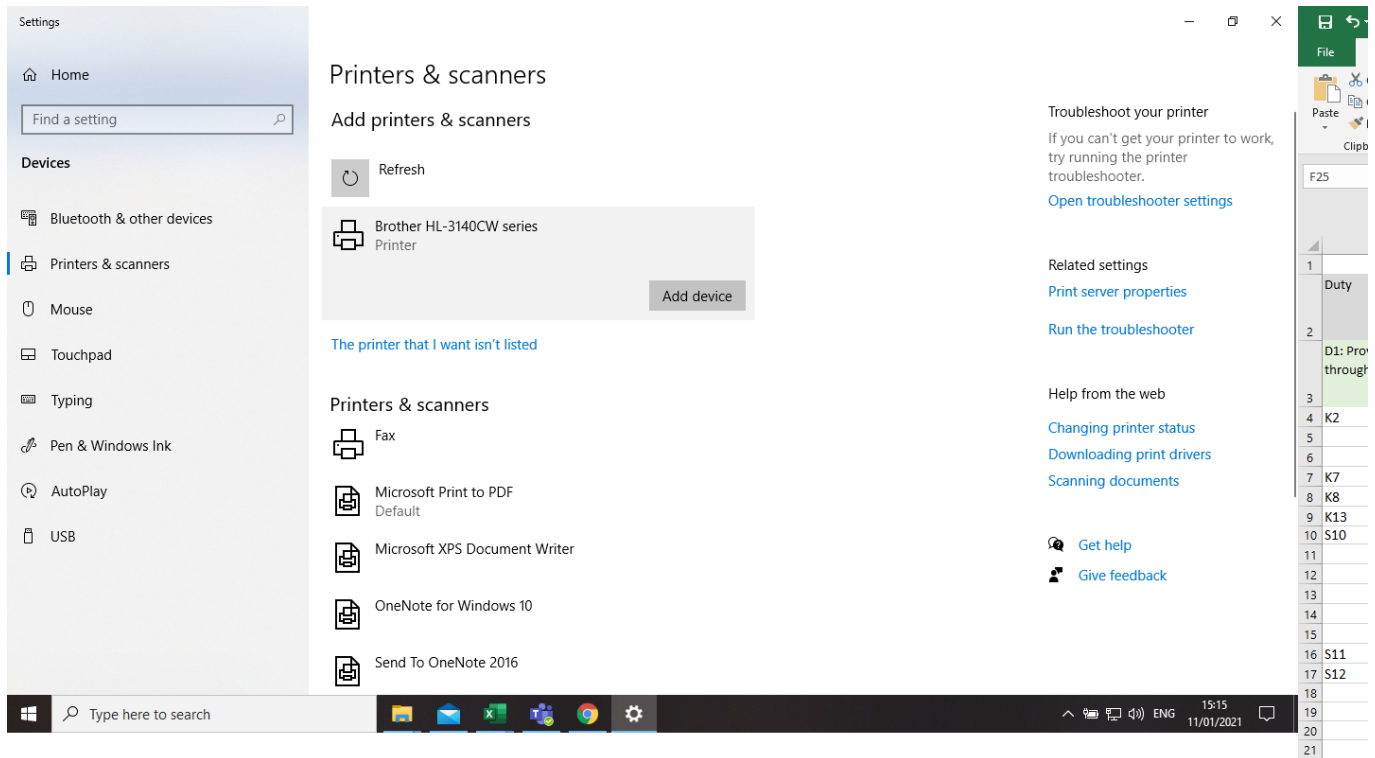
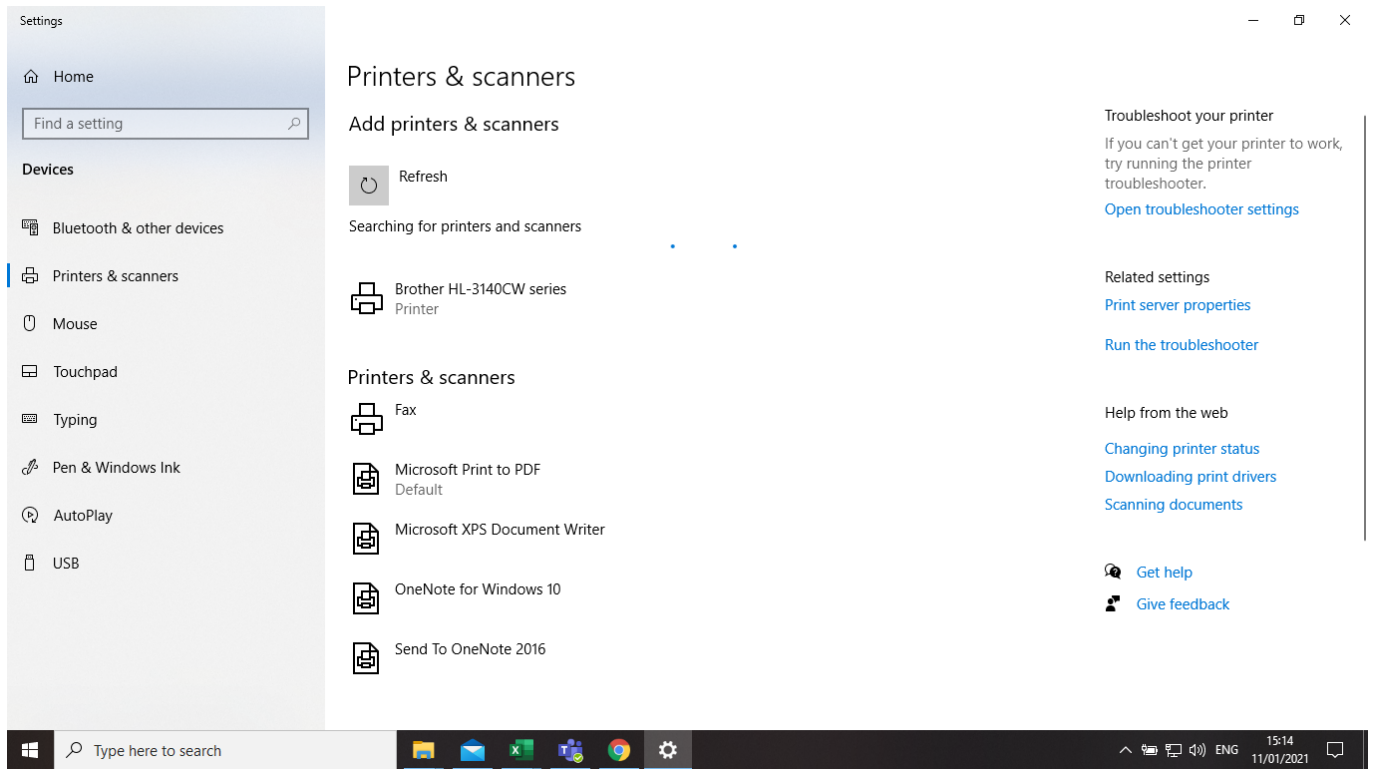


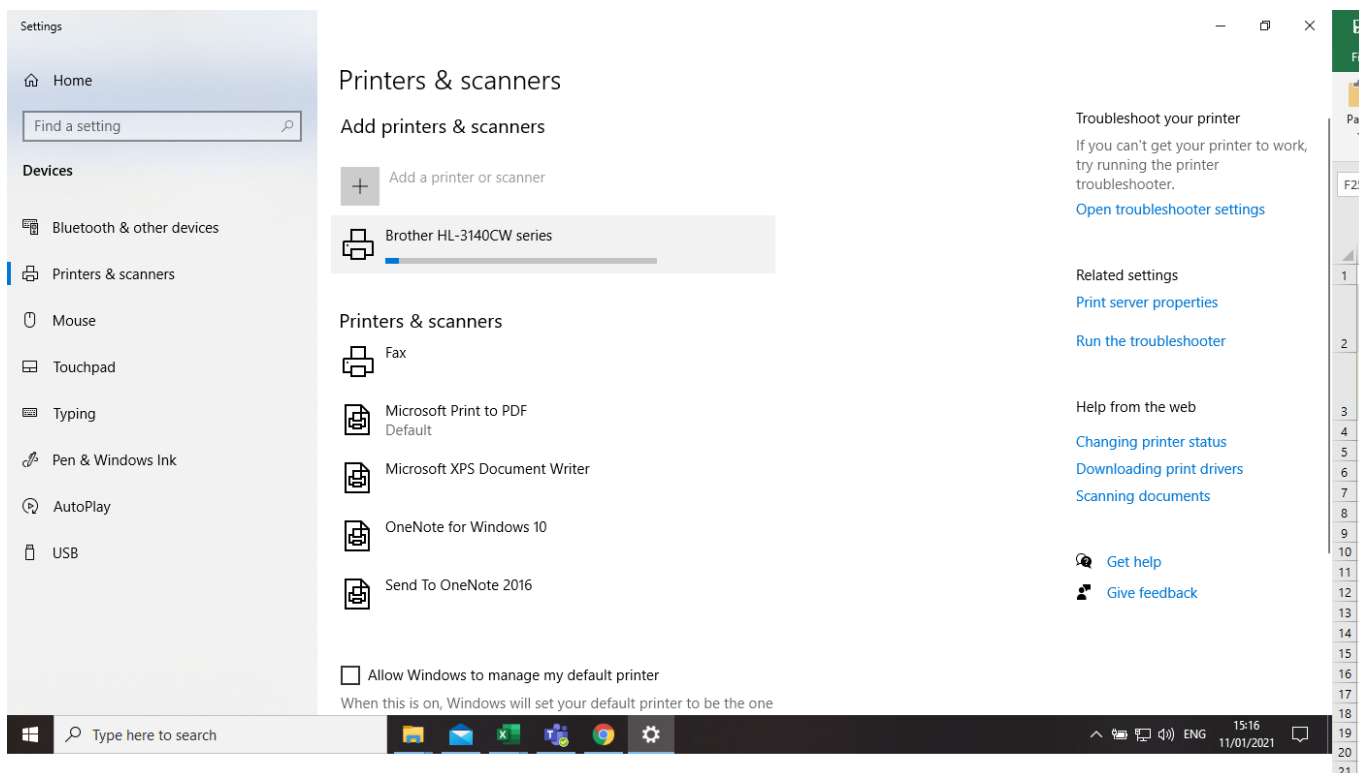
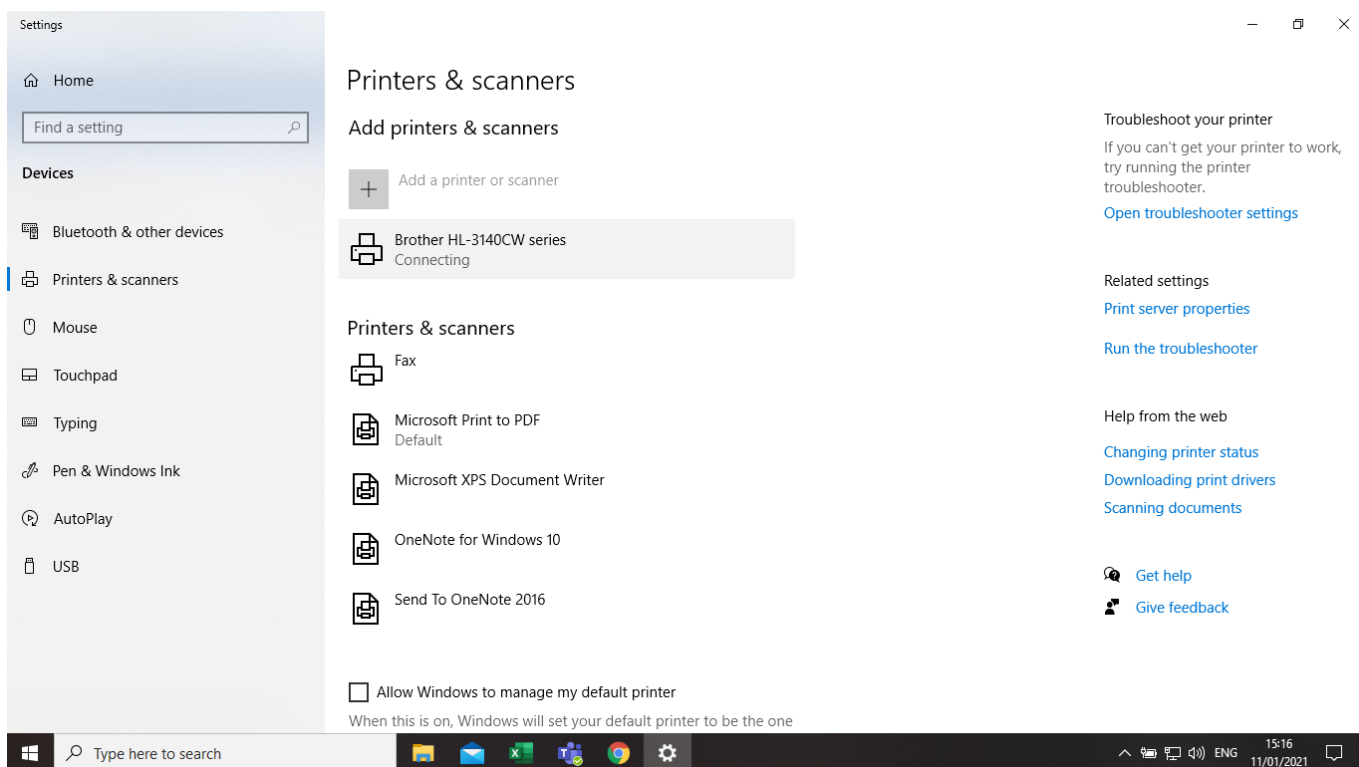


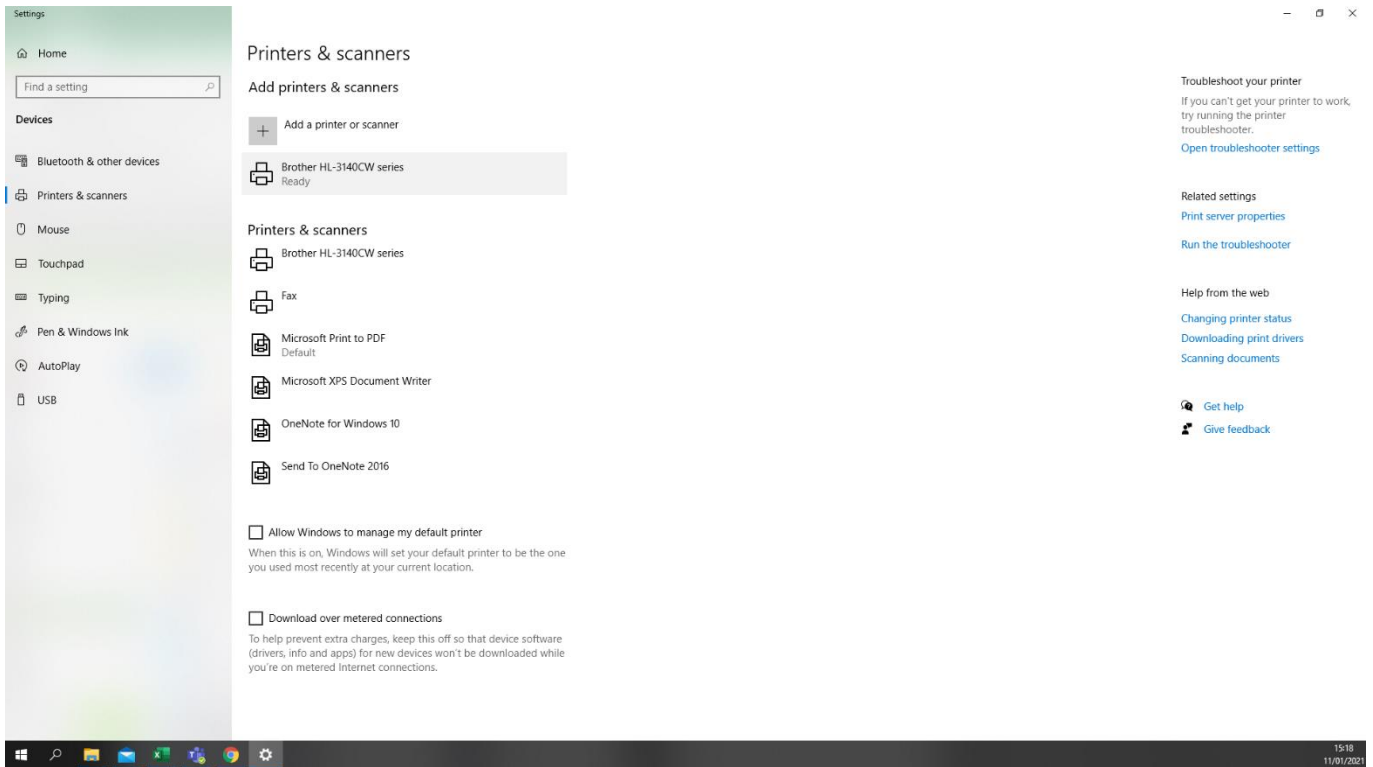




The following images show the installation of the printer onto PC01 (Windows 10)

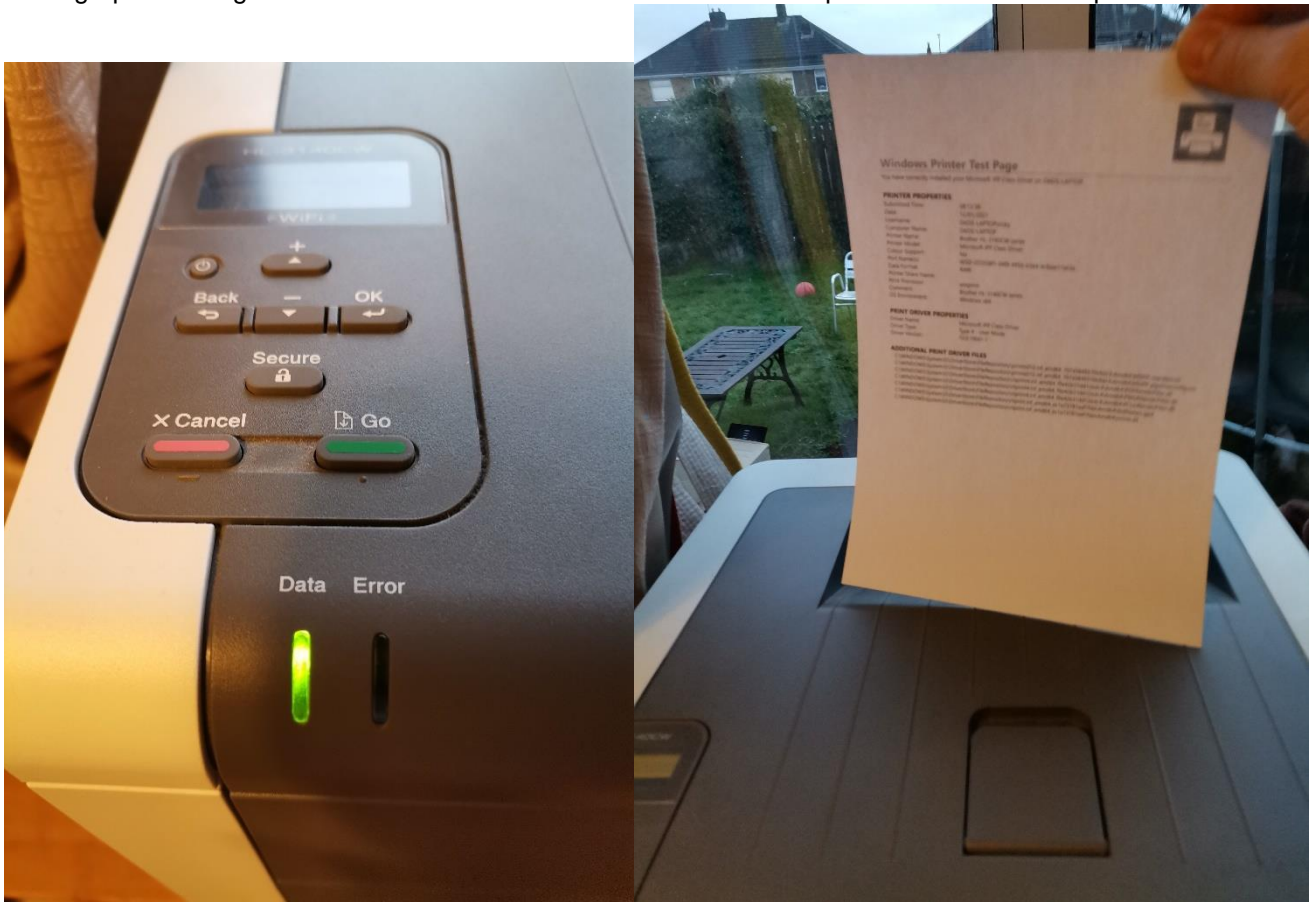






Evidence of testing from 2 machines that the wireless device can be accessed

Photograph showing that a test document on Server02 has started to print from the wireless printer



Photograph showing that a test document on PC01 has printed from the wireless printer



Step A

(3 marks)

Processes	Settings	Marks	Evidence required
Install the provided server operating system on Server01 and Server02 Use suitable configurations that match your current time zone and provide evidence of the successful installation of the server operating system on both Server01 and Server02	All hard disks should be partitioned to a single 100% partition, and the machines named Server01 and Server02 Server01 and Server02 should have fixed IP addresses	1	Provide print screen or photographic evidence of the following: <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Server01 disk partitions <input checked="" type="checkbox"/> Server01 IP address (1) Set <input checked="" type="checkbox"/> Server01 IP address (2) Set <input checked="" type="checkbox"/> Server01 name set <input checked="" type="checkbox"/> Server01 regional settings, date and time
		1	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Server02 disk partitions <input checked="" type="checkbox"/> Server02 IP address set <input checked="" type="checkbox"/> Server02 name set <input checked="" type="checkbox"/> Server02 regional settings, date and time
Install the provided desktop operating system on PC01	All hard disks should be partitioned to a single 100% partition Use suitable region-specific settings, otherwise the defaults should be taken	1	Provide print screen or photographic evidence of the following: <ul style="list-style-type: none"> <input checked="" type="checkbox"/> PC01 disk partitions <input checked="" type="checkbox"/> PC01 name set <input checked="" type="checkbox"/> PC01 regional settings, date and time

Step B

(8 marks)

Processes	Settings	Marks	Evidence required
Install and configure DNS		8	<input checked="" type="checkbox"/> print screen showing DNS has been installed
Install and configure a directory service	Install a directory service with the domain name set as (First nameSurname).local, for example: JohnSmith.local		<input checked="" type="checkbox"/> print screen showing the directory service has been installed and configured
Install DHCP service on Server01			<input checked="" type="checkbox"/> print screen showing the DHCP service installed
Implement a DHCP scope using the IP range provided earlier			<input checked="" type="checkbox"/> print screen showing the DHCP scope configured
Evidence PC01 is using DHCP to join the network			<input checked="" type="checkbox"/> print screen showing PC01 has been assigned a DHCP address
Domain join Server02 and PC01 to Server01 forming the start of the network			<input checked="" type="checkbox"/> print screen showing Server02 domain joined <input checked="" type="checkbox"/> print screen showing PC01 domain joined
Install and confirm a reverse DNS lookup works on Server02 using NSLOOKUP			<input checked="" type="checkbox"/> print screen showing Server02 successfully completed a reverse lookup

Step C

(8 marks)

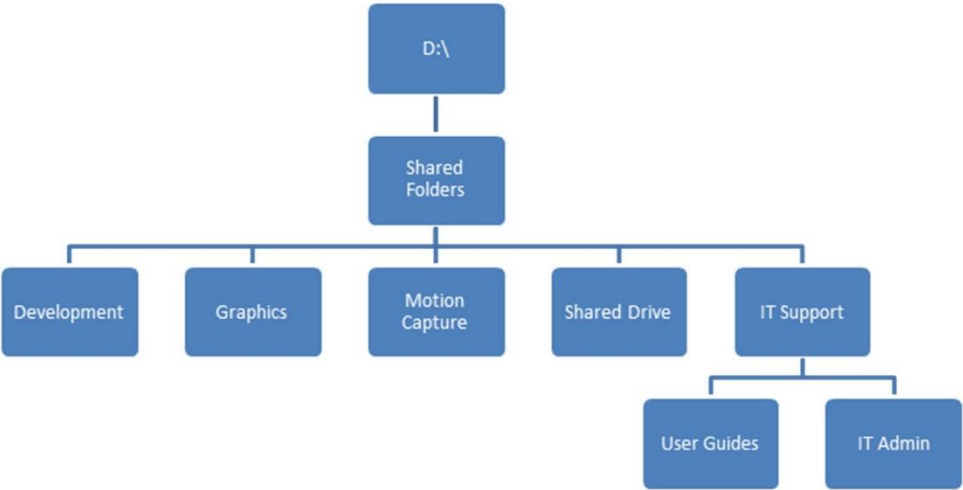
Processes	Settings	Marks	Evidence required
Requested groups have been created	Personal account has been added to Admin group Paul James has been added to Development Group Tamara Jacobs has been added to Graphics group Yousif Sobbah has been added to Motion Capture Group		
All user accounts have been created			
Job titles have been added	Personal account has JD of IT Admin Paul Jones has JD of Development Tamara Jacobs has JD of Graphics Artist Yousif Sobbah has JD of Motion Capture Specialist		
Local admin role set	Personal account has been added to Administrators group		
Create the following groups in your directory service	All Staff, Developer, Graphics, Motion Capture, IT admin		<input checked="" type="checkbox"/> print screen showing the 5 groups created in your directory service
Folder permissions set	Development added to Development folder with RW permission Graphics group added to Graphics folder with RW permission Motion Capture group added to Motion capture folder with		

	<p>RW permission</p> <p>All staff group added to shared drive with read permission</p> <p>All staff added to User guides folder with read admin</p> <p>IT Admin added to User Guides folder with RW permission IT Admin added to IT Admin folder with RW permission</p>		
--	---	--	--

Create the following groups in your directory service	All staff, developer, graphics, motion capture, IT admin	1	<input checked="" type="checkbox"/> print screen showing the 5 groups created in your directory service
---	--	---	---

Populate the directory service with the following user accounts making sure they are added to the correct group and each user has the right privilege:				1	<input checked="" type="checkbox"/> print screen evidence that each user has the correct name, privilege, job description and has been added to the correct group
User account	Privileges	Job description	Group(s)		
Your first and surname	Administrator	IT admin	IT admin		
Paul James	Standard user	Developer	Development		
Tamara Jacobs	Standard user	Graphics artist	Graphics		
Yousif Sobbah	Standard user	Motion capture specialist	Motion capture		

<p>Using the group called all staff, add the following groups to this group:</p> <ul style="list-style-type: none">• development• graphics• motion capture• IT admin	<p>1</p>	<p><input checked="" type="checkbox"/> print screen showing all 5 groups added to the all staff group</p>
--	-----------------	---

Processes	Settings	Marks	Evidence required
<p>Create the following folder structure on second partition of Server02</p>  <pre> graph TD D[D:\] --> SF[Shared Folders] SF --> Dev[Development] SF --> Graf[Graphics] SF --> MC[Motion Capture] SF --> SD[Shared Drive] SF --> IS[IT Support] IS --> UG[User Guides] IS --> IA[IT Admin] </pre>		<p>N/A</p>	<p>Marks are not awarded for creating the folder structure and you do not need to submit evidence for this task</p>

Processes	Settings			Marks	Evidence required																					
Apply the following privileges to each of the folders using the groups created earlier	<table border="1"> <thead> <tr> <th data-bbox="356 405 660 475">Folder</th> <th data-bbox="669 405 1003 475">Group</th> <th data-bbox="1012 405 1294 475">Permission</th> </tr> </thead> <tbody> <tr> <td data-bbox="356 475 660 545">Development</td> <td data-bbox="669 475 1003 545">IT admin</td> <td data-bbox="1012 475 1294 545">Read/Write</td> </tr> <tr> <td data-bbox="356 545 660 616">Graphics</td> <td data-bbox="669 545 1003 616">Development</td> <td data-bbox="1012 545 1294 616">Read/Write</td> </tr> <tr> <td data-bbox="356 616 660 686">Motion Capture</td> <td data-bbox="669 616 1003 686">Motion Capture</td> <td data-bbox="1012 616 1294 686">Read/Write</td> </tr> <tr> <td data-bbox="356 686 660 756">Shared Drive</td> <td data-bbox="669 686 1003 756">All staff</td> <td data-bbox="1012 686 1294 756">Read</td> </tr> <tr> <td data-bbox="356 756 660 826">User Guides</td> <td data-bbox="669 756 1003 826">All staff</td> <td data-bbox="1012 756 1294 826">Read</td> </tr> <tr> <td data-bbox="356 826 660 880">IT admin</td> <td data-bbox="669 826 1003 880">IT admin</td> <td data-bbox="1012 826 1294 880">Read/Write</td> </tr> </tbody> </table>	Folder	Group	Permission	Development	IT admin	Read/Write	Graphics	Development	Read/Write	Motion Capture	Motion Capture	Read/Write	Shared Drive	All staff	Read	User Guides	All staff	Read	IT admin	IT admin	Read/Write			1	<input checked="" type="checkbox"/> print screens showing each folder with correct privileges
Folder	Group	Permission																								
Development	IT admin	Read/Write																								
Graphics	Development	Read/Write																								
Motion Capture	Motion Capture	Read/Write																								
Shared Drive	All staff	Read																								
User Guides	All staff	Read																								
IT admin	IT admin	Read/Write																								
Using the files provided, populate the folder structure																										
Using the test plan template provided in the workbook, prove that the privileges work correctly using both a valid and invalid user Note: the shared drive only requires a valid user to be tested				4	<input checked="" type="checkbox"/> completed test plan <input checked="" type="checkbox"/> print screens showing folder privileges have been tested																					

Step D

(3 marks)

Processes	Settings	Marks	Evidence required
Using an external hard disk drive or an additional virtual disk to Server02, implement a scheduled backup of the shared folders to run every hour to the second physical hard or external storage device		3	<input checked="" type="checkbox"/> print screen showing scheduled backup set
Confirm the backup has been taken successfully by restoring the contents of the backup Note: you might need to return to this step later to collect the required evidence			<input checked="" type="checkbox"/> print screens showing a successful backup <input checked="" type="checkbox"/> print screens showing a successful restoration

Step E

(4 marks)

Processes	Settings	Marks	Evidence required
Using Server02, install and configure a single application service from the following list:	<ul style="list-style-type: none"> • desktop deployment • media server • database server • IT helpdesk • web server • print server 	4	<input checked="" type="checkbox"/> print screens showing the service being installed and configured
Prove the service has been tested and works			<input checked="" type="checkbox"/> print screens showing the service is running <input checked="" type="checkbox"/> print screens showing the service being tested

Step F

(2 marks)

Processes	Settings	Marks	Evidence required
Create a remote connection from PC02 to Server01 Note: you are not permitted to domain join the computer		2	<input checked="" type="checkbox"/> print screens showing the remote connection process

Step G

(4 marks)

Processes	Settings	Marks	Evidence required
Implement a SNMP on all machines on the network		4	<input checked="" type="checkbox"/> print screens from PC01 and Server02 showing that SNMP has been enabled
Verify that SNMP data is being collected by the traps and can be viewed			<input checked="" type="checkbox"/> a series of print screens showing the SNMP data is being collected centrally

Step H

(10 marks)

Processes	Settings	Marks	Evidence required
Using policies, implement 5 rules that will make the domain joined PC01 more secure		10	<input checked="" type="checkbox"/> provide a short description of each policy and what it will achieve <input checked="" type="checkbox"/> provide a print screen showing each of the policies created on Server01
Carry out testing to prove the policies have been applied correctly			<input checked="" type="checkbox"/> provide evidence of each policy applied on PC01

Step I

(7 marks)

Processes	Settings	Marks	Evidence required
Using the wireless device provided, integrate the device into your network		7	Provide print screen or photographic evidence of the following: <ul style="list-style-type: none"> <input checked="" type="checkbox"/> set an IP address for the device <input checked="" type="checkbox"/> connect to a wireless AP or other such device <input checked="" type="checkbox"/> install the required drivers or management software <input checked="" type="checkbox"/> configure the device with suitable settings <input checked="" type="checkbox"/> evidence that SNMP data is being captured
Test that the device works and is accessible from any 2 machines			<ul style="list-style-type: none"> <input checked="" type="checkbox"/> a series of print screens and photographs showing connection and configuration of the wireless device

Review and submit

You have now reached the end of the assignment. It is recommended that you review all the evidence required for the assignment to ensure all print screens and photographs have been provided.

Submit this workbook in .pdf format at the end of the assignment using the file naming convention.

Surname_Initial_student number_Workbook2

For example: Smith_J_123456789_Workbook2.pdf

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Change History Record

Version	Description of change	Approval	Date of Issue
v1.0	Published final version.		May 2021
v1.1	NCFE rebrand.		January 2023