Group Policy Management

Target

- Configures password policies, shared printers, shared folders, etc. With the help of Group Policy Manager. Test all made group policies on the workstation.

Tasks

1. If necessary, start the VirtualBox virtualization software.
2. If necessary, start the Apollo (Windows 2016) virtual machine.
3. Log in with your Administrator username and password to the Passw0rd§ server.

Default Domain Policy

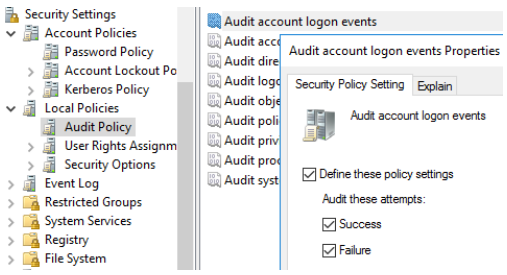
4. At the top right of the Server Manager window, click Tools > Group Policy Management.
5. In the Group Policy Management console, expand from the tree Forest: cyberse.local > Domains > cyberse.local.
6. Right-click Default Domain Policy and select Edit.
   - N.B! This is the only Policy (Group Policy) where password policies can be configured.
7. Expand Computer Configuration > Policies > Windows Settings > Security Settings > Account Policies, and then click Password Policy.
8. Change the value of Enforce password history to 6, Maximum password age to 52, and Minimum password length to 8.

   - In thecase of Minimum password length, it would be a good idea to set the value to, say, 16.
   - Consider what the settings you set above do

9. Select Account Lockout Policy and change the Account lockout threshold to 3, click OK, and accept the proposed values.
   - Consider what the settings you set above do

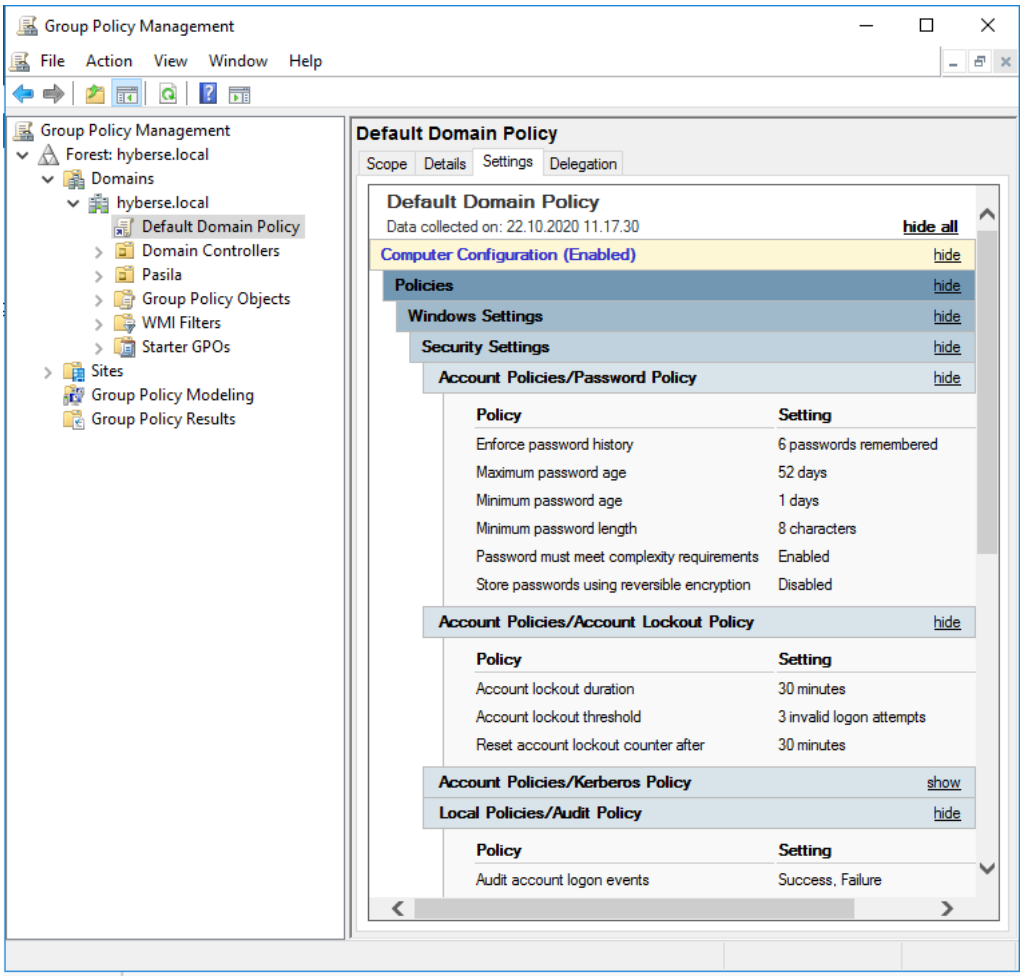
Audit of the login

10. Expand Computer Configuration > Policies > Windows Settings > Security Settings > Local Policies, and then click Audit Policy.
11. Double-click audit account logon events.
12. Valise Define these policy setting, Success and Failure checkboxes.



13. Close the Group Policy Management editor window.

14. Make sure Default Domain Policy is selected and select the Settings tab in the adjacent properties window.
15. View the configurations made in the properties window.
    - Tap on Show all to make all the specified policies appear.



Make the following Group Policies for Pasila OU (all domain users)

16. Configuring Printer 1 (HP LaserJet 4250 PCL 5)
    - Expand from the tree cyberse.local > Pasila.
    - Right-click on it and select Create and Link a GPO Here from the menu that opens, as well as enter "Group Policy Pasila printer" as the group policy name.
    - Configure the printer in the Print Management console:
        - In the Server Manager window, click Tools > Print Management to start Print Management.
        - In the Print Management window, expand Print Servers - Apollo(local) and select Printers.
        - Right-click on the HP LaserJet 4250 PCL Class Driver printer and select Deploy with Group Policy from the menu that opens.
        - Click Browse...
        - In the menu that opens, search for the Group Policy Pasila printer and click OK.
        - Under Deploy this printer connection to the following: select the The users that this GPO applies to (per user) check box.
        - Click Add.
        - Click OK a couple of times.
        - Close the Print Management window.

17. The ID of the last user logged on to the workstation is not displayed when the next user logs on
    - Expand from the tree cyberse.local > Pasila.
    - Right-click on it and in the menu that opens, select Create and Link a GPO Here, as well as enter "Hide Username" as the name of the group policy.
    - Right-click and select Edit.
    - Select Computer Configuration > Policies > Windows Settings > Security Settings - Local Policies > Security Options.
    - Double-click the Interactive logo: Do not display last user name.
    - Select the Define this policy setting: check box, select the Enable option box, and then click OK.
    - Close the Group Policy Management Editor window.
    - In the Active Directory Users and Computers console, move the Win10 workstation from the Computers store to Pasila OU

BE SURE TO TEST THE OPERATION OF GROUP DEPLOYMENTS ON THE WORKSTATION FROM TIMETO TIME! Update Group Policy at the command prompt by using **gpupdate /force**

Follow the following Group Policy for **Management OU:**

18. Connecting and attaching a network drive Economy to the letter "T"
    - Expand from tree cyberse.local > Pasila > Management
    - Right-click on it and in the menu that opens, select Create and Link a GPO Here, as well as enter the group policy name "Economy folder mapping".
    - Right-click and select Edit
    - Select User Configuration - Preferences - Windows Settings
    - Right-click on Drive Maps and select New - Mapped Drive
    - In the Location: box, type \\Apollo\Economy
    - Select the Reconnect: box, and in the Label as: box, type Economy
    - Under Drive Letter, select the letter T
    - Click OK. Close the Group Policy Management Editor.

Do the following Group Policies for Cyber OU:

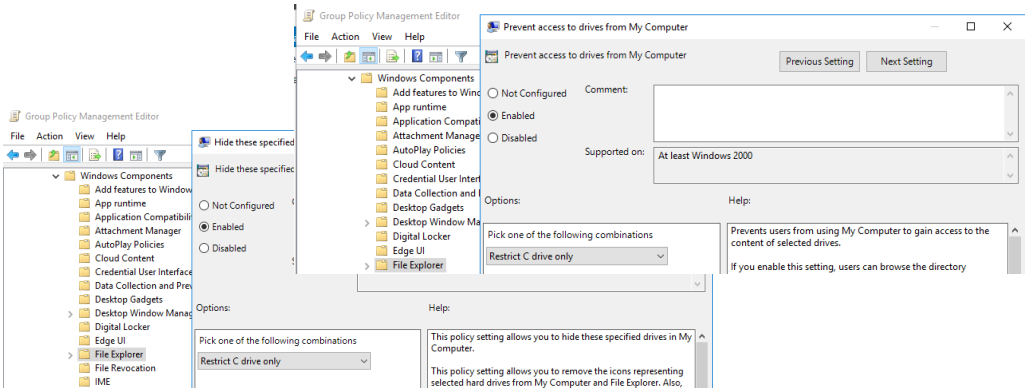
19. Connecting and attaching a network drive Economy to the letter "T".
    - Expand from tree cyberse.local > Pasila > Cyber
    - Right-click on it and in the menu that opens, select Link an Existing GPO and select "Economy folder mapping" - Group Policy and click OK.

20. Configuring Printer **2** (Canon LBP5360) to Cyber OU(configure via Group Policy Management as follows)
    - Expand from tree cyberse.local > Pasila > Cyber
    - Right-click on it and in the menu that opens, select Create and Link a GPO Here, as well as enter "Cloud Printer" as the group policy name.
    - Right-click and select Edit.
    - Select User Configuration > Policies > Windows Settings.
    - Right-click on Deploy Printer.
    - In the Enter printer name: box, type \\Apollo\Canon LBP5360 and click Add and OK, and then close Group Policy Management Editor.

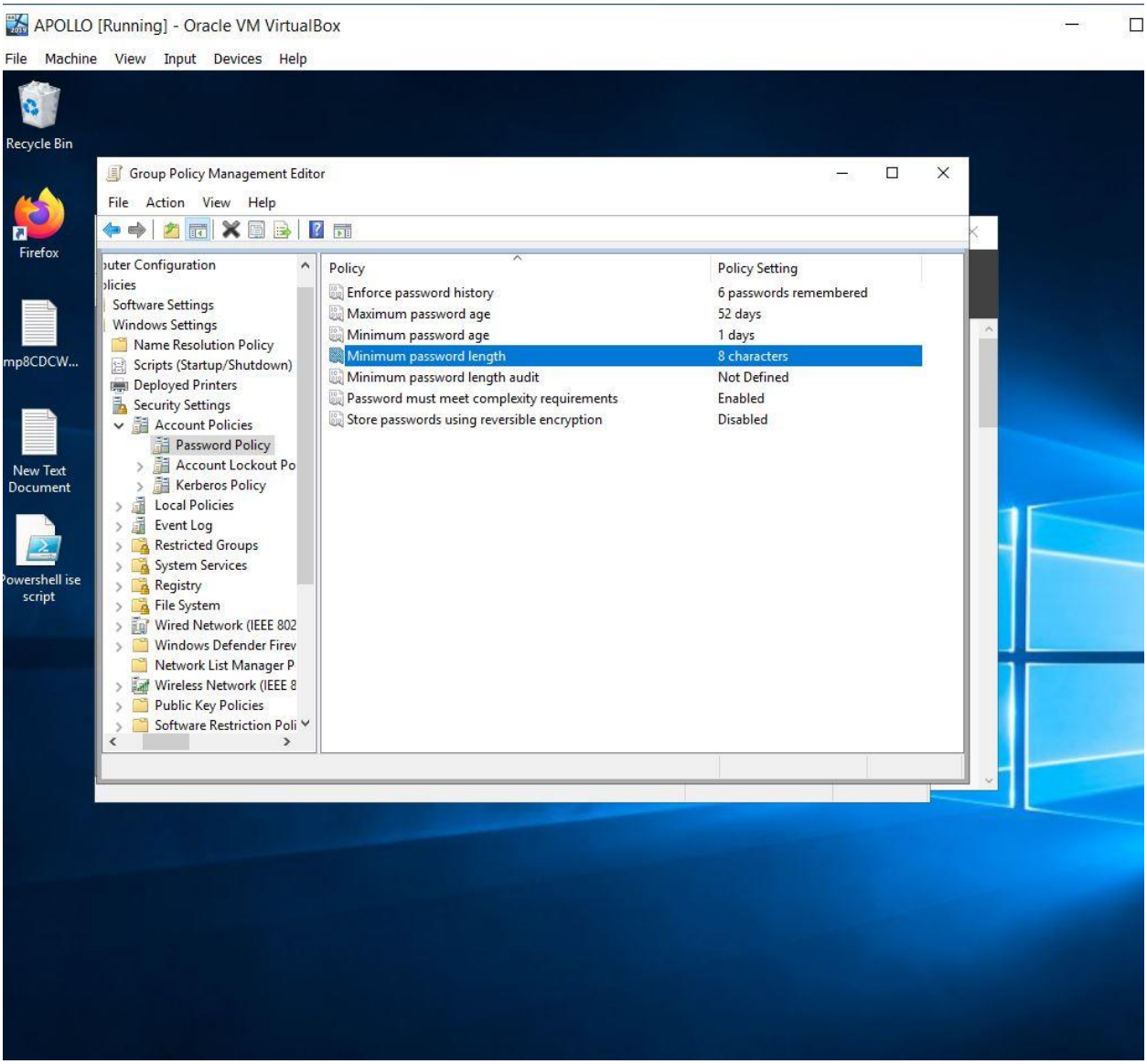
For Cloud OU, do the following Group Policy:

21. To prevent access to C drive:
    - Expand from tree cyberse.local > Pasila > Cloud
    - Right-click on it and in the menu that opens, select Create and Link a GPO Here, as well as enter "C drive blocker" as the name of the group policy.
    - Right-click and select Edit.
    - User Configuration > Policies > Administrative Templates > Windows Components > File Explorer.
      Choose one of the following options:
      ✓ Hide these specified drives in My Computer or

      ✓ Prevent access to drives from My Computer



BE SURE TO TEST THE OPERATION OF GROUP DEPLOYMENTS ON THE WORKSTATION!
Update Group Policy at the command prompt by using **gpupdate /force**


APOLLO [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Recycle Bin
Firefox
mp8CDCW...
New Text Document
Powershell ise script
Group Policy Management Editor
File Action View Help
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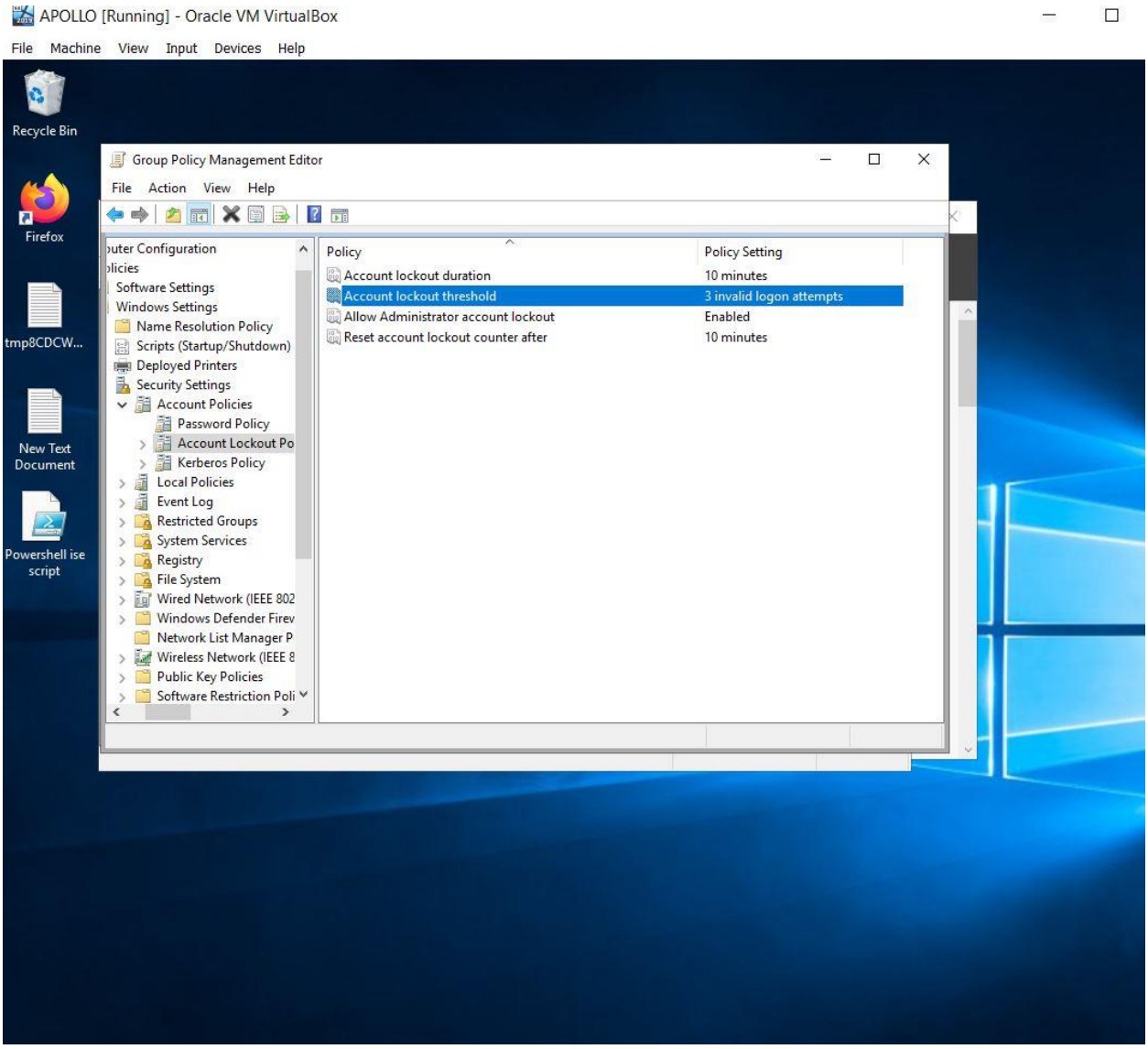
Software Settings
Windows Settings
Name Resolution Policy
Scripts (Startup/Shutdown)
Deployed Printers
Security Settings
Account Policies
Password Policy
Account Lockout Po
Kerberos Policy
Local Policies
Event Log
Restricted Groups
System Services
Registry
File System
Wired Network (IEEE 802
Windows Defender Firev
Network List Manager P
Wireless Network (IEEE 8
Public Key Policies
Software Restriction Poli
Policy
Policy Setting
Enforce password history
6 passwords remembered
Maximum password age
52 days
Minimum password age
1 days
Minimum password length
8 characters
Minimum password length audit
Not Defined
Password must meet complexity requirements
Enabled
Store passwords using reversible encryption
Disabled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File Machine View Input Devices Help
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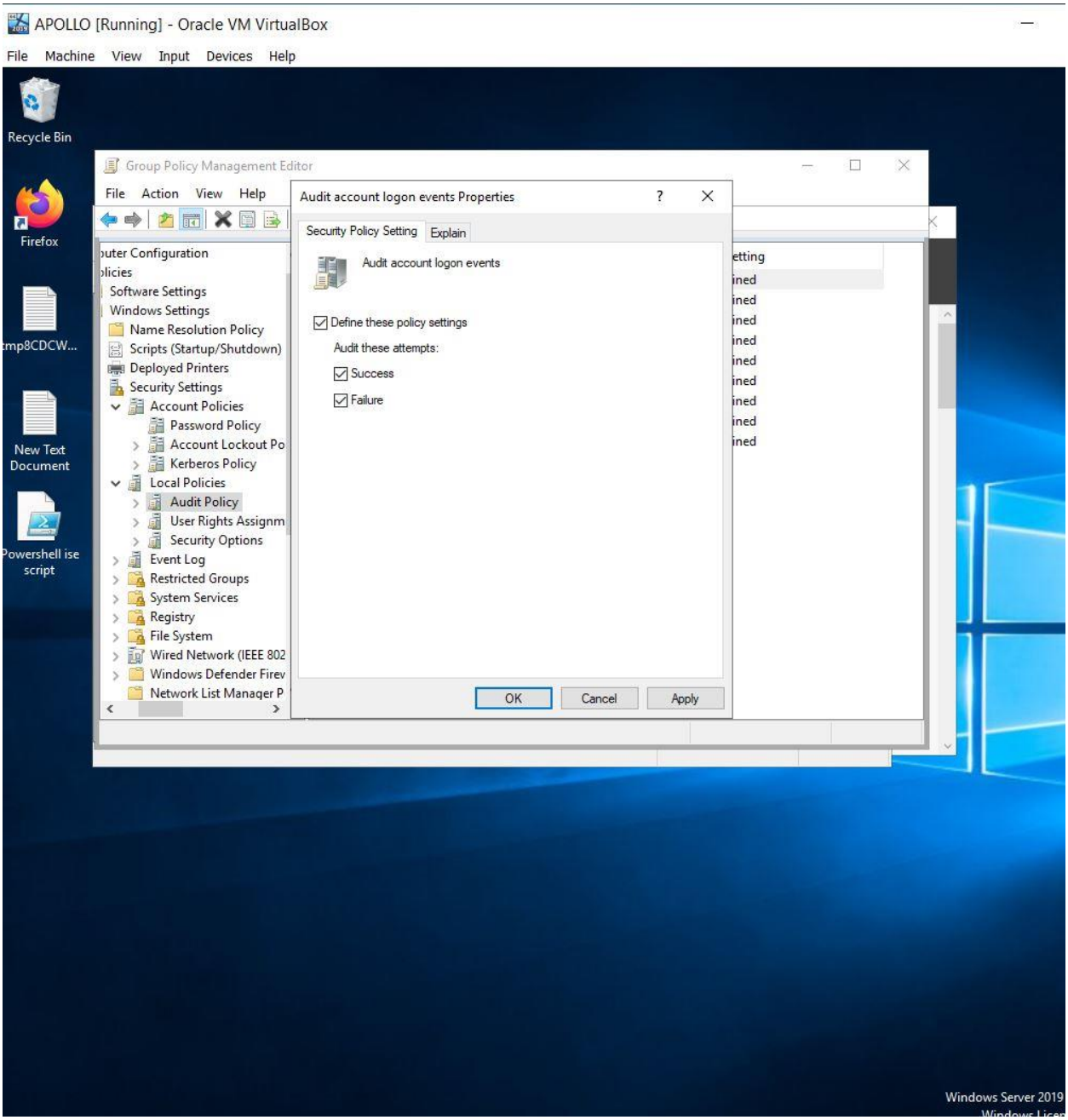
Powershell ise script
Group Policy Management Editor
File Action View Help
Software Settings
Windows Settings
Name Resolution Policy
Scripts (Startup/Shutdown)
Deployed Printers
Security Settings
Account Policies
Password Policy
Account Lockout Po
Kerberos Policy
Local Policies
Event Log
Restricted Groups
System Services
Registry
File System
Wired Network (IEEE 802
Windows Defender Firev
Network List Manager P
Wireless Network (IEEE 8
Public Key Policies
Software Restriction Poli
Policy
Policy Setting
Account lockout duration
10 minutes
Account lockout threshold
3 invalid logon attempts
Allow Administrator account lockout
Enabled
Reset account lockout counter after
10 minutes


APOLLO [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Recycle Bin
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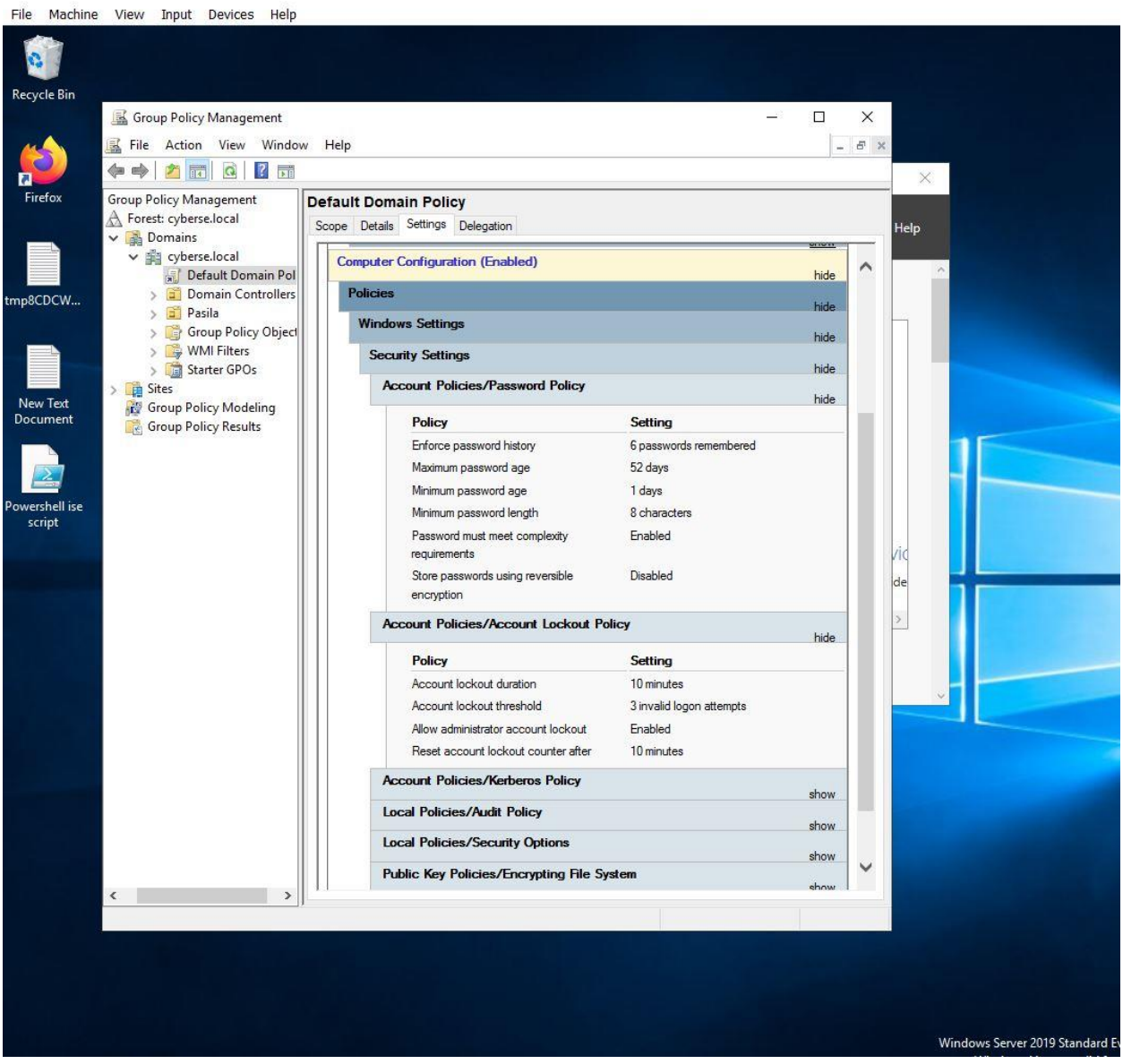
New Text Document
Powershell ise script
Group Policy Management Editor
File Action View Help
Audit account logon events Properties
Security Policy Setting
Explain
Audit account logon events
Define these policy settings
Audit these attempts:
Success
Failure
OK
Cancel
Apply
Software Settings
Windows Settings
Name Resolution Policy
Scripts (Startup/Shutdown)
Deployed Printers
Security Settings
Account Policies
Password Policy
Kerberos Policy
Local Policies
Audit Policy
Security Options
Event Log
Restricted Groups
System Services
Registry
File System
Windows Server 2019


File Machine View Input Devices Help
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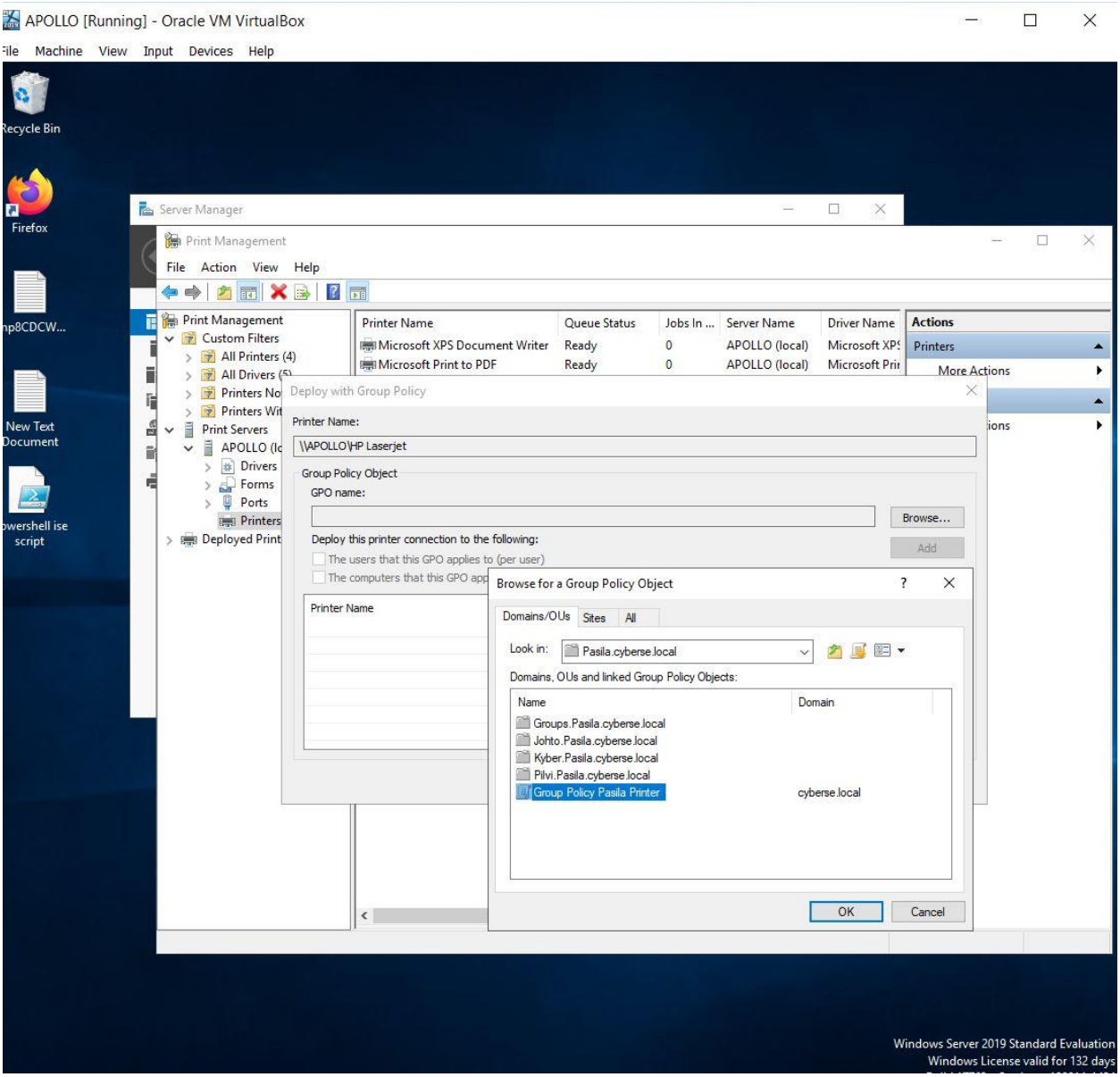
Powershell ise script
Group Policy Management
File Action View Window Help
Group Policy Management
Forest: cyberse.local
Domains
cyberse.local
Default Domain Pol
Domain Controllers
Pasila
Group Policy Object
WMI Filters
Starter GPOs
Sites
Group Policy Modeling
Group Policy Results
Default Domain Policy
Scope Details Settings Delegation
Computer Configuration (Enabled)
hide
Policies
hide
Windows Settings
hide
Security Settings
hide
Account Policies/Password Policy
hide
Policy Setting
Enforce password history 6 passwords remembered
Maximum password age 52 days
Minimum password age 1 days
Minimum password length 8 characters
Password must meet complexity requirements Enabled
Store passwords using reversible encryption Disabled
Account Policies/Account Lockout Policy
hide
Policy Setting
Account lockout duration 10 minutes
Account lockout threshold 3 invalid logon attempts
Allow administrator account lockout Enabled
Reset account lockout counter after 10 minutes
Account Policies/Kerberos Policy
show
Local Policies/Audit Policy
show
Local Policies/Security Options
show
Public Key Policies/Encrypting File System
show
Help
Windows Server 2019 Standard Ev


APOLLO [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
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Server Manager
Print Management
File Action View Help
Print Management
Custom Filters
All Printers (4)
Print Servers
Drivers
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Printers
Deployed Print
Printer Name
Queue Status
Jobs In ...
Server Name
Driver Name
Microsoft XPS Document Writer
Ready
0
APOLLO (local)
Microsoft XPS
Microsoft Print to PDF
Ready
0
APOLLO (local)
Actions
Printers
More Actions
Deploy with Group Policy
Printer Name:
\\APOLLO\HP Laserjet
Group Policy Object
GPO name:
Browse...
Deploy this printer connection to the following:
Add
The users that this GPO applies to (per user)
The computers that this GPO app
Printer Name
Browse for a Group Policy Object
Domains/OUs
Sites
All
Look in:
Pasila.cyberse.local
Domains, OUs and linked Group Policy Objects:
Name
Domain
Groups.Pasila.cyberse.local
Johto.Pasila.cyberse.local
Kyber.Pasila.cyberse.local
Pilvi.Pasila.cyberse.local
Group Policy Pasila Printer
cyberse.local
OK
Cancel
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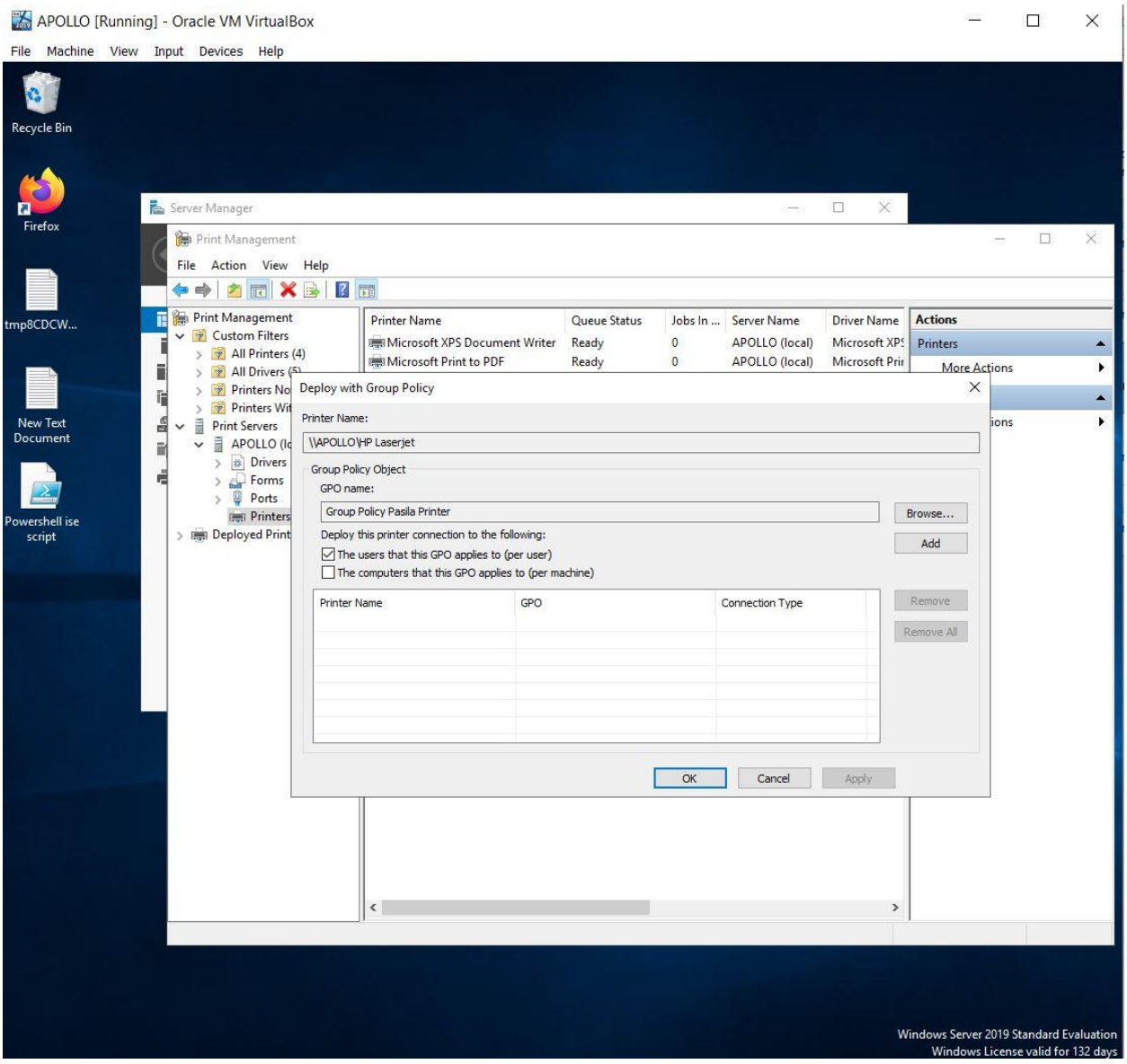
APOLLO [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
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tmp8CDCW...
New Text Document
Powershell ise script
Server Manager
Print Management
File Action View Help
Print Management
Custom Filters
All Printers (4)
Print Servers
Drivers
Forms
Ports
Printers
Deployed Print
Printer Name
Queue Status
Jobs In ...
Server Name
Driver Name
Microsoft XPS Document Writer
Ready
0
APOLLO (local)
Microsoft Print to PDF
Ready
0
APOLLO (local)
Actions
Printers
More Actions
Deploy with Group Policy
Printer Name:
\\APOLLO\HP Laserjet
Group Policy Object
GPO name:
Group Policy Pasila Printer
Browse...
Deploy this printer connection to the following:
Add
The users that this GPO applies to (per user)
The computers that this GPO applies to (per machine)
Printer Name
GPO
Connection Type
Remove
Remove All
OK
Cancel
Apply
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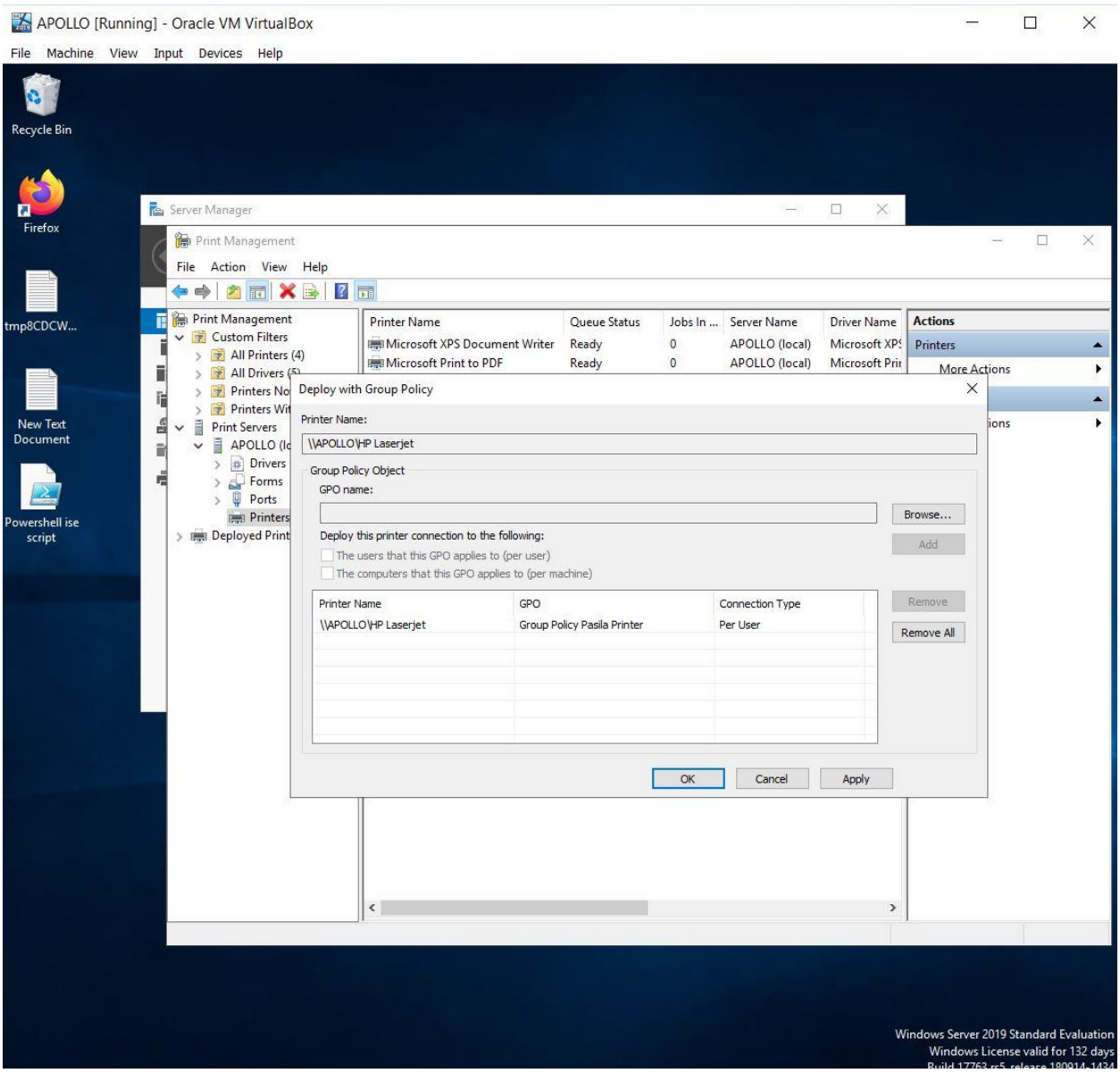
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New Text Document
Powershell ise script
Server Manager
Print Management
File Action View Help
Print Management
Custom Filters
All Printers (4)
Print Servers
Drivers
Forms
Ports
Printers
Deployed Print
Printer Name
Queue Status
Jobs In ...
Server Name
Driver Name
Microsoft XPS Document Writer
Ready
0
APOLLO (local)
Microsoft XPS
Microsoft Print to PDF
Ready
0
APOLLO (local)
Actions
Printers
More Actions
Deploy with Group Policy
Printer Name:
\\APOLLO\HP Laserjet
Group Policy Object
GPO name:
Browse...
Deploy this printer connection to the following:
The users that this GPO applies to (per user)
The computers that this GPO applies to (per machine)
Add
Remove
Remove All
Printer Name
GPO
Connection Type
\\APOLLO\HP Laserjet
Group Policy Pasila Printer
Per User
OK
Cancel
Apply
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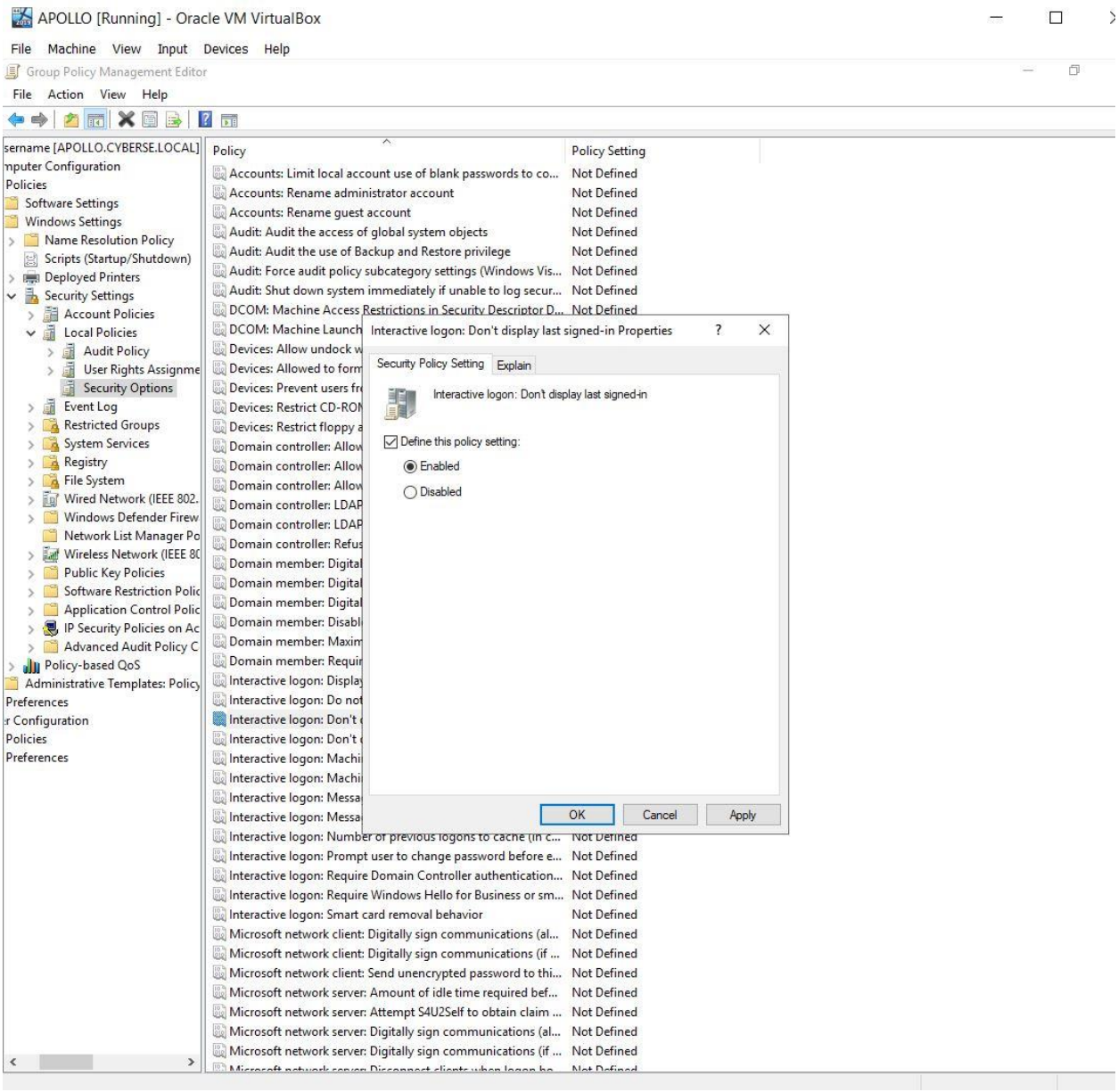
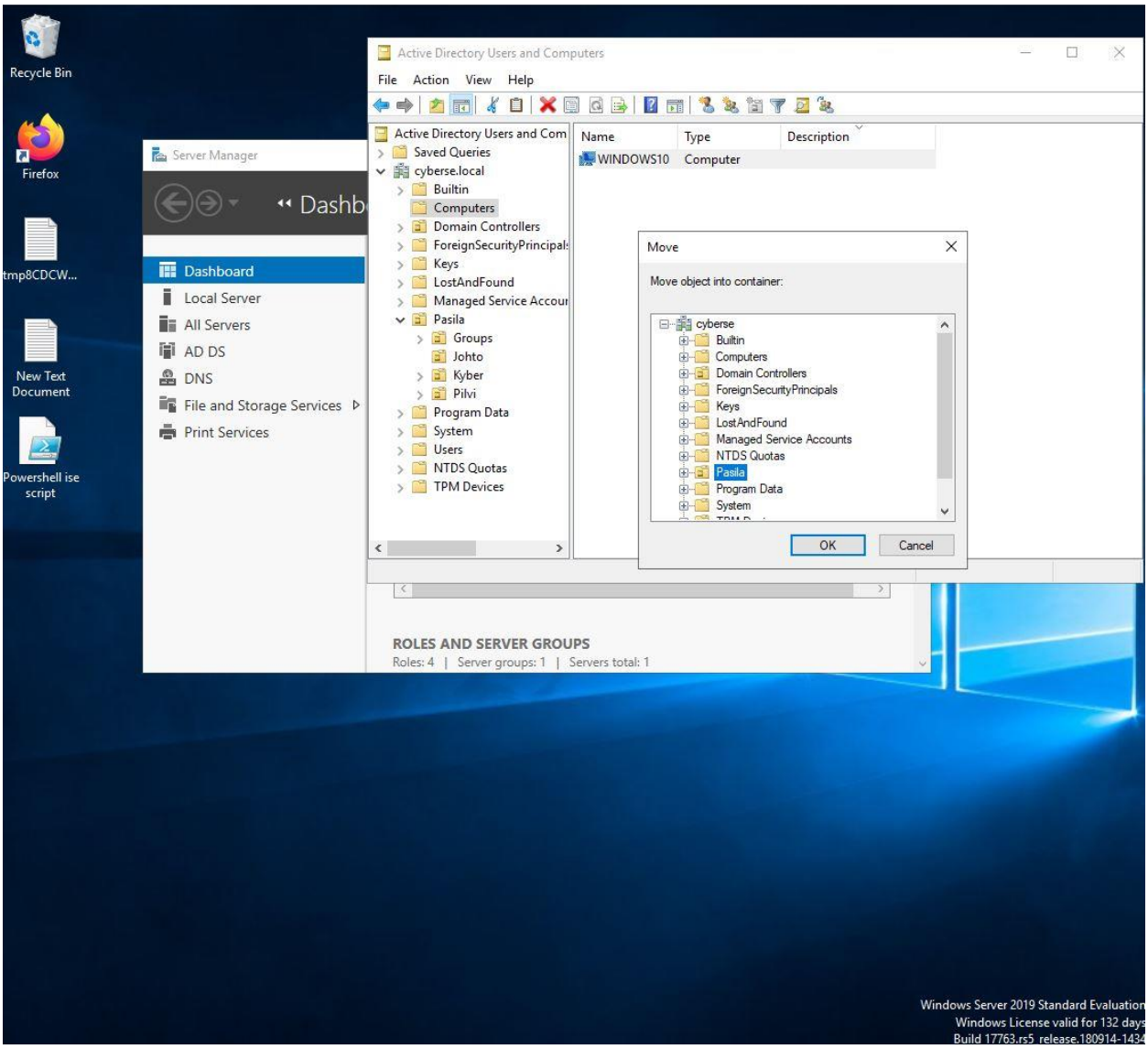

APOLLO [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Group Policy Management Editor
File Action View Help
Policy
Policy Setting
Accounts: Limit local account use of blank passwords to co... Not Defined
Accounts: Rename administrator account Not Defined
Accounts: Rename guest account Not Defined
Audit: Audit the access of global system objects Not Defined
Audit: Audit the use of Backup and Restore privilege Not Defined
Audit: Force audit policy subcategory settings (Windows Vis... Not Defined
Audit: Shut down system immediately if unable to log secur... Not Defined
DCOM: Machine Access Restrictions in Security Descriptor D... Not Defined
Interactive logon: Don't display last signed-in Properties
Security Policy Setting
Explain
Interactive logon: Don't display last signed-in
Define this policy setting:
Enabled
Disabled
OK
Cancel
Apply
Interactive logon: Prompt user to change password before e... Not Defined
Interactive logon: Require Domain Controller authentication... Not Defined
Interactive logon: Require Windows Hello for Business or sm... Not Defined
Interactive logon: Smart card removal behavior Not Defined
Microsoft network client: Digitally sign communications (al... Not Defined
Microsoft network client: Digitally sign communications (if ... Not Defined
Microsoft network client: Send unencrypted password to thi... Not Defined
Microsoft network server: Amount of idle time required bef... Not Defined
Microsoft network server: Attempt S4U2Self to obtain claim ... Not Defined
Microsoft network server: Digitally sign communications (al... Not Defined
Microsoft network server: Digitally sign communications (if ... Not Defined


Recycle Bin
Firefox
tmp8CDCW...
New Text Document
Powershell ise script
Server Manager
Dashboard
Local Server
All Servers
AD DS
DNS
File and Storage Services
Print Services
Active Directory Users and Computers
File Action View Help
Active Directory Users and Com
Saved Queries
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Builtin
Computers
Domain Controllers
ForeignSecurityPrincipals
Keys
LostAndFound
Managed Service Accou
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Groups
Johto
Kyber
Pilvi
Program Data
System
Users
NTDS Quotas
TPM Devices
Name
Type
Description
WINDOWS10
Computer
Move
Move object into container:
cyberse
Builtin
Computers
Domain Controllers
ForeignSecurityPrincipals
Keys
LostAndFound
Managed Service Accounts
NTDS Quotas
Pasila
Program Data
System
OK
Cancel
ROLES AND SERVER GROUPS
Roles: 4 | Server groups: 1 | Servers total: 1
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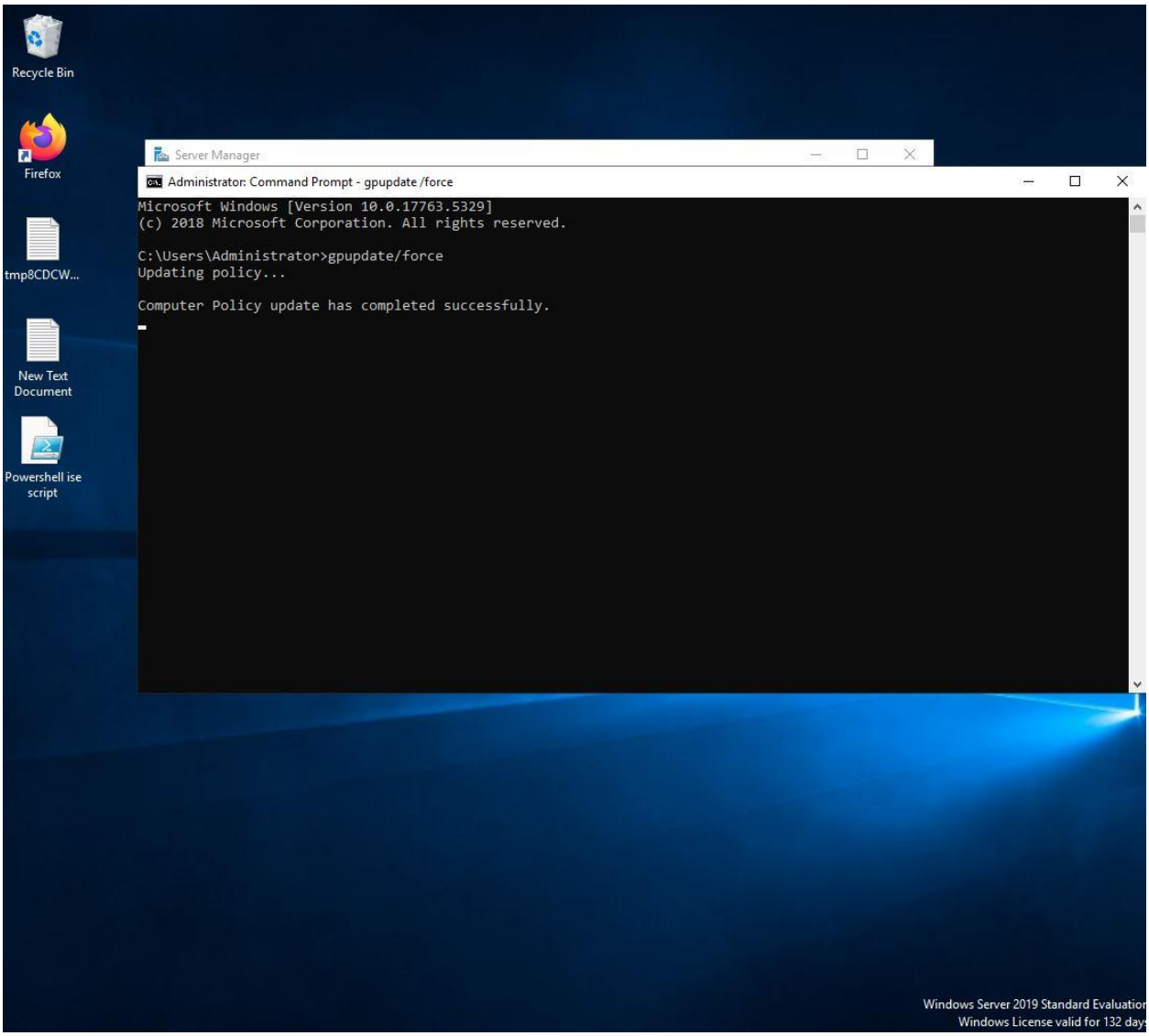
Build 17763.rs5_release.180914-1434


Recycle Bin
Firefox
tmp8CDCW...
New Text Document
Powershell ise script
Server Manager
Administrator: Command Prompt - gpupdate /force
Microsoft Windows [Version 10.0.17763.5329]
(c) 2018 Microsoft Corporation. All rights reserved.
C:\Users\Administrator>gpupdate/force
Updating policy...
Computer Policy update has completed successfully.
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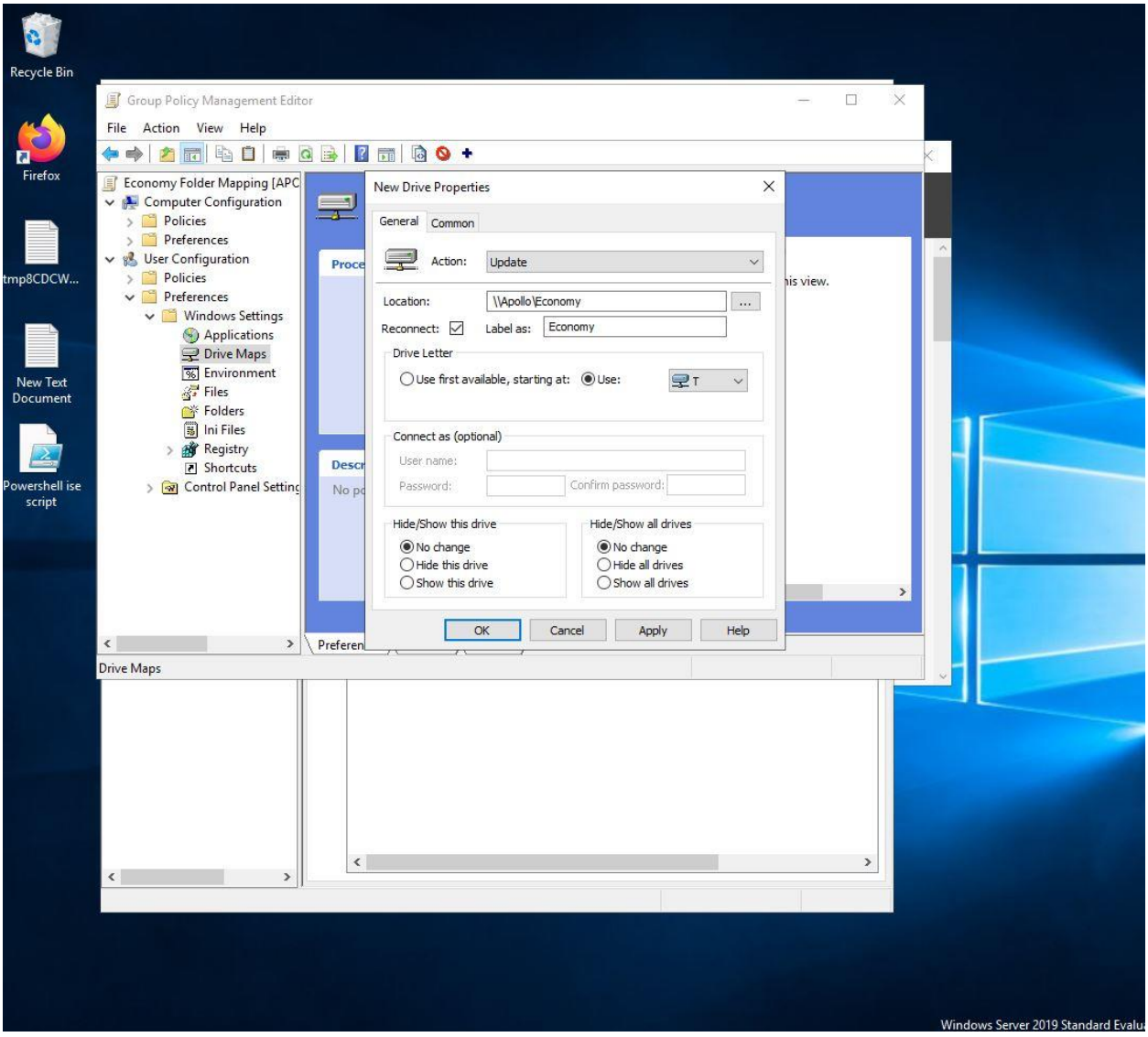
Recycle Bin
Firefox
tmp8CDCW...
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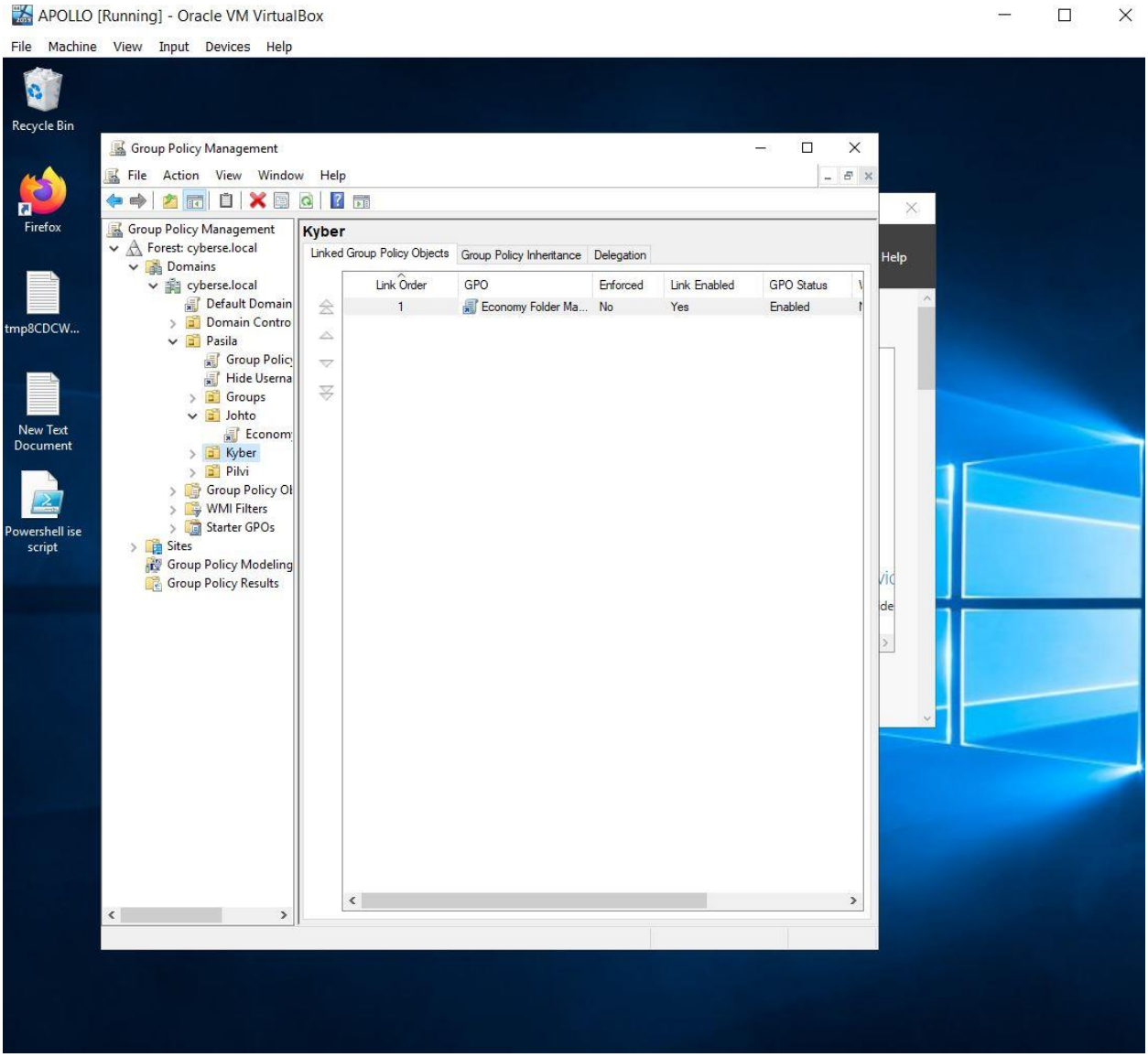
Powershell ise script
Group Policy Management Editor
File Action View Help
Economy Folder Mapping [APC
Computer Configuration
Policies
Preferences
User Configuration
Policies
Preferences
Windows Settings
Applications
Drive Maps
Environment
Files
Folders
Ini Files
Registry
Shortcuts
Control Panel Setting
New Drive Properties
General
Common
Action: Update
Location: \\Apollo\Economy
Reconnect:
Label as: Economy
Drive Letter
Use first available, starting at:
Use: T
Connect as (optional)
User name:
Password:
Confirm password:
Hide/Show this drive
No change
Hide this drive
Show this drive
Hide/Show all drives
No change
Hide all drives
Show all drives
OK
Cancel
Apply
Help
Drive Maps
Windows Server 2019 Standard Evalu


APOLLO [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Recycle Bin
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New Text Document
Powershell ise script
Group Policy Management
File Action View Window Help
Group Policy Management
Forest: cyberse.local
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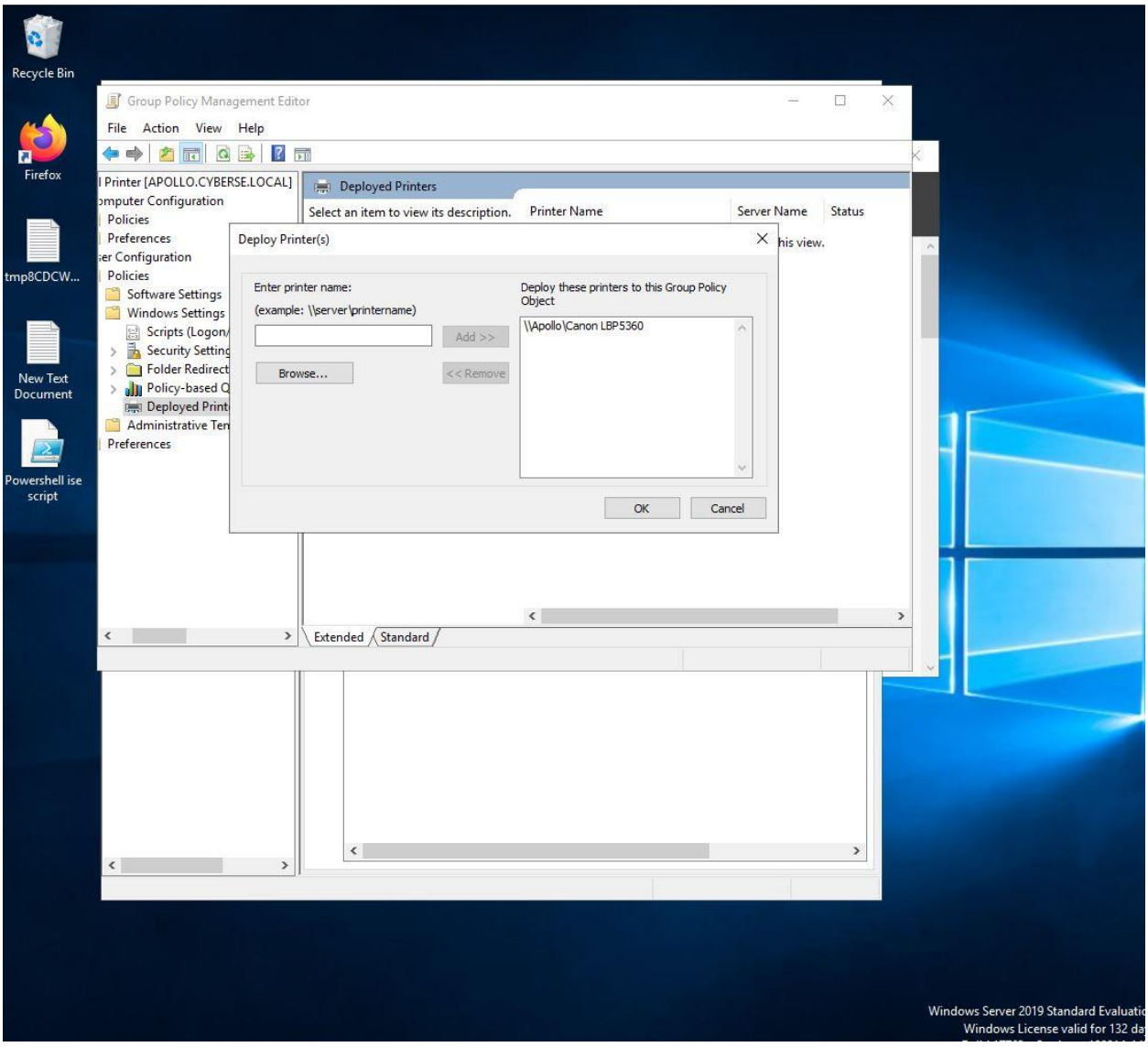
WMI Filters
Starter GPOs
Sites
Group Policy Modeling
Group Policy Results
Kyber
Linked Group Policy Objects
Group Policy Inheritance
Delegation
Link Order
GPO
Enforced
Link Enabled
GPO Status
1
Economy Folder Ma...
No
Yes
Enabled
Help


Recycle Bin
Firefox
tmp8CDCW...
New Text Document
Powershell ise script
Group Policy Management Editor
File Action View Help
Printer [APOLLO.CYBERSE.LOCAL]
Computer Configuration
Policies
Preferences
Configuration
Policies
Software Settings
Windows Settings
Scripts (Logon/
Security Setting
Folder Redirect
Policy-based Q
Deployed Print
Administrative Ter
Preferences
Deployed Printers
Select an item to view its description.
Printer Name
Server Name
Status
his view.
Deploy Printer(s)
Enter printer name:
(example: \\server\printername)
Add >>
Browse...
<< Remove
Deploy these printers to this Group Policy Object
\\Apollo\Canon LBP5360
OK
Cancel
Extended
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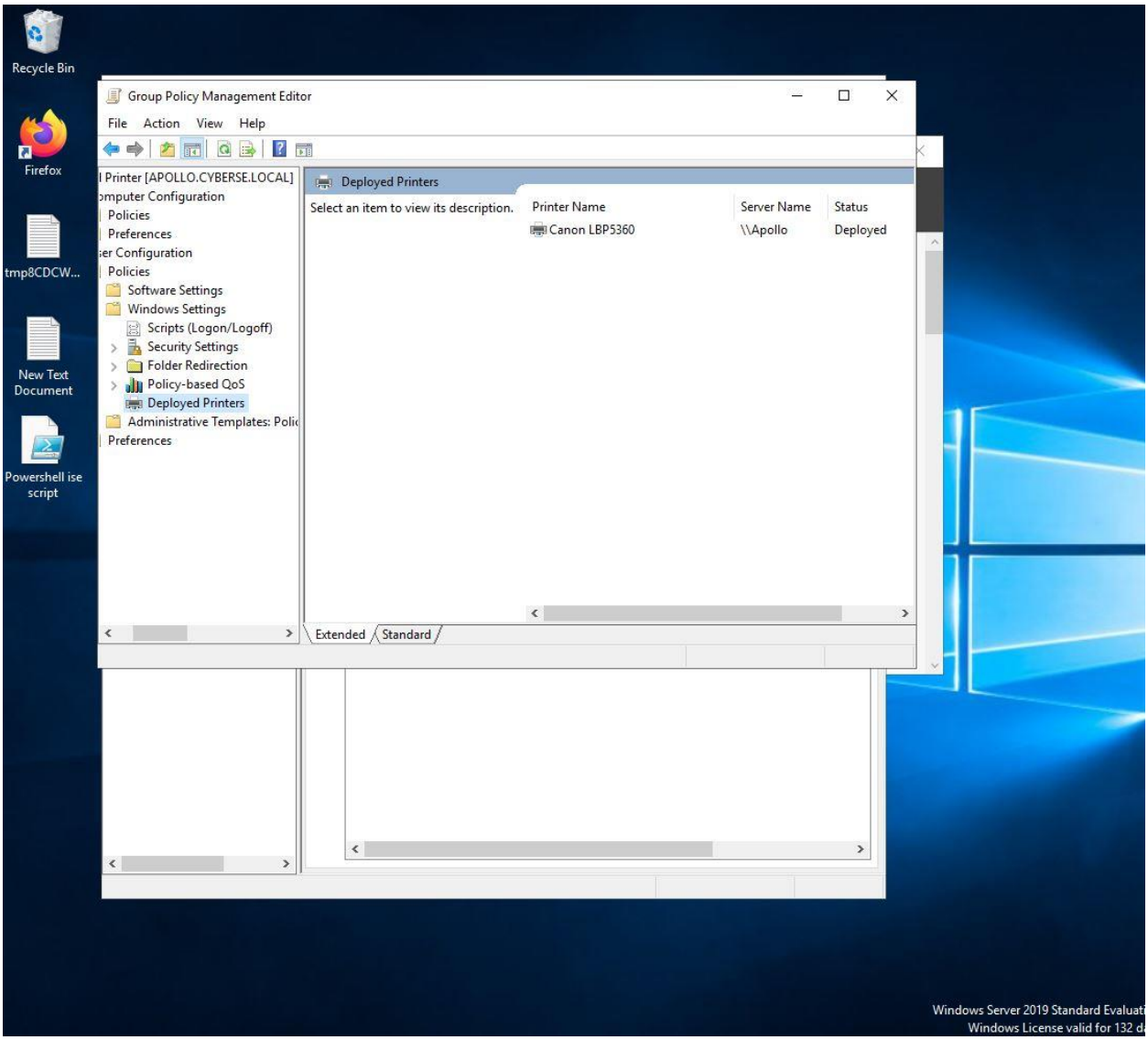
Recycle Bin
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tmp8CDCW...
New Text Document
Powershell ise script
Group Policy Management Editor
File Action View Help
Printer [APOLLO.CYBERSE.LOCAL]
Computer Configuration
Policies
Preferences
User Configuration
Policies
Software Settings
Windows Settings
Scripts (Logon/Logoff)
Security Settings
Folder Redirection
Policy-based QoS
Deployed Printers
Administrative Templates: Polic
Preferences
Deployed Printers
Select an item to view its description.
Printer Name
Server Name
Status
Canon LBP5360
\\Apollo
Deployed
Extended
Standard
Windows Server 2019 Standard Evaluati
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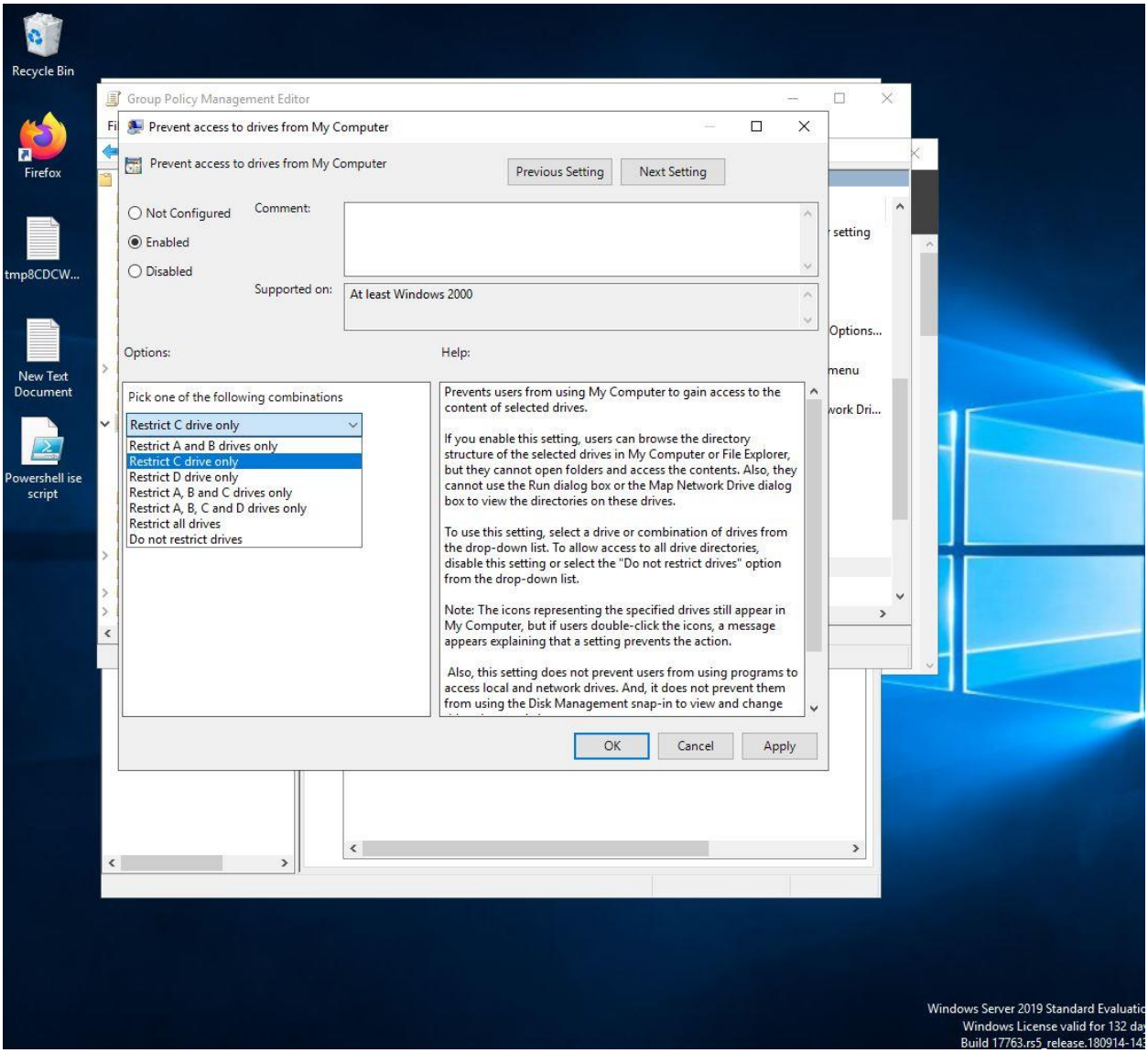
Recycle Bin
Firefox
tmp8CDCW...
New Text Document
Powershell ise script
Group Policy Management Editor
Prevent access to drives from My Computer
Prevent access to drives from My Computer
Previous Setting
Next Setting
Not Configured
Enabled
Disabled
Comment:
Supported on:
At least Windows 2000
Options:
Help:
Pick one of the following combinations
Restrict C drive only
Restrict A and B drives only
Restrict C drive only
Restrict D drive only
Restrict A, B and C drives only
Restrict A, B, C and D drives only
Restrict all drives
Do not restrict drives
Prevents users from using My Computer to gain access to the content of selected drives.
If you enable this setting, users can browse the directory structure of the selected drives in My Computer or File Explorer, but they cannot open folders and access the contents. Also, they cannot use the Run dialog box or the Map Network Drive dialog box to view the directories on these drives.
To use this setting, select a drive or combination of drives from the drop-down list. To allow access to all drive directories, disable this setting or select the "Do not restrict drives" option from the drop-down list.
Note: The icons representing the specified drives still appear in My Computer, but if users double-click the icons, a message appears explaining that a setting prevents the action.
Also, this setting does not prevent users from using programs to access local and network drives. And, it does not prevent them from using the Disk Management snap-in to view and change
OK
Cancel
Apply
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