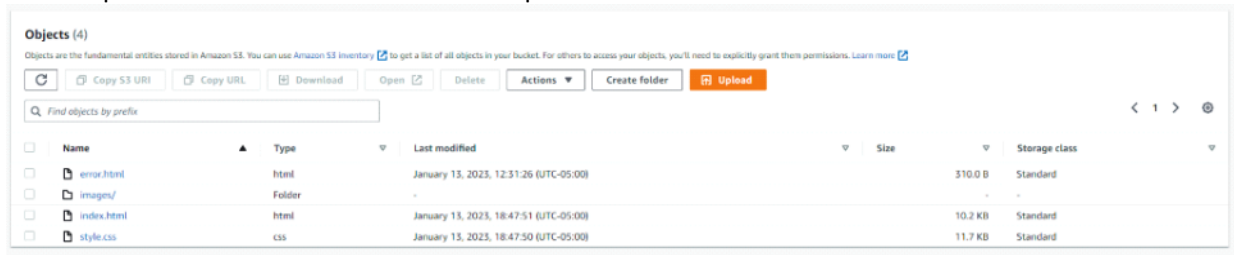


KEY

Monday, February 20, 2023 8:39 PM

Important Headings are Underlined and Bold:

- A bullet point indicates a note and NOT a step



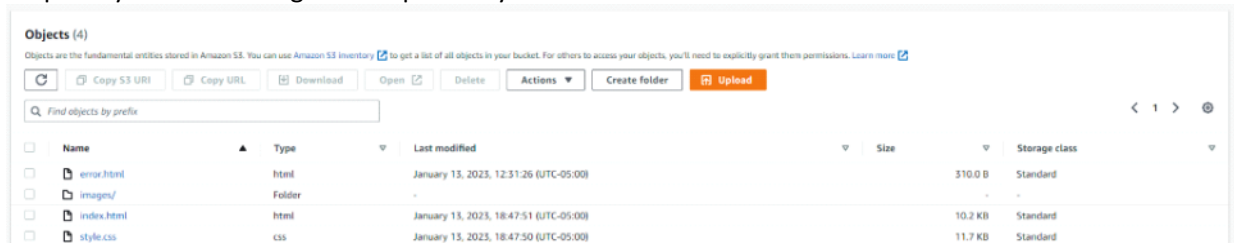
The screenshot shows the Amazon S3 'Objects' console for a bucket named 'my-bucket'. It displays a table of objects with columns for Name, Type, Last modified, Size, and Storage class. The objects listed are: error.html (310.0 B), images/ (Folder), index.html (10.2 KB), and style.css (11.7 KB). The console includes various action buttons like 'Copy S3 URI', 'Copy URL', 'Download', 'Open', 'Delete', 'Actions', 'Create folder', and 'Upload'.

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	error.html	html	January 13, 2023, 12:31:26 (UTC-05:00)	310.0 B	Standard
<input type="checkbox"/>	images/	Folder	-	-	-
<input type="checkbox"/>	index.html	html	January 13, 2023, 18:47:51 (UTC-05:00)	10.2 KB	Standard
<input type="checkbox"/>	style.css	css	January 13, 2023, 18:47:50 (UTC-05:00)	11.7 KB	Standard

- Bullet points may have images along with them to help visually
 - Bullet points may also have sub-bullet points for a more in-depth explanation

Headings in Bold Also Indicate Important Steps:

1. Steps are numbered, every new page starts with Step 1 and so on
 - a. Steps may have sub-steps to add more information
2. Steps may also have images to help visually



This is a duplicate of the screenshot above, showing the Amazon S3 'Objects' console with a table of objects: error.html, images/, index.html, and style.css.

3. **bold** word in steps indicate a button
4. *Italicized* words in steps indicate input fields or options
5. Keyboard Input in Courier New Font
6. Underlined words indicate files
7. Menu navigation is indicated by the pipe symbol and italic words: *Start / Programs / MS Word*
8. Numbers referencing other steps will be in red(1...2...3)
9. Code will be in a textbox in COURIER NEW font

```
#include <stdio.h>

int main(void)
{
    printf("Hello World in C:");
    return 0;
}
```

Adding Users to the Sudoers File in Ubuntu

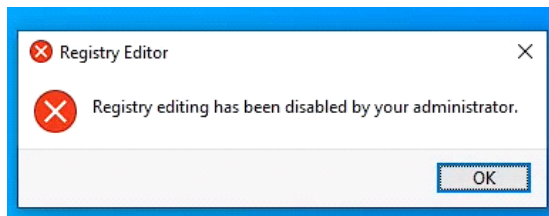
Saturday, February 25, 2023 4:47 PM

- When users initially login with a domain account, they will not have any permissions(including admin domain accounts)
- To add users to the sudoers file, perform these steps:
 1. Logged into Ubuntu with a local admin account
 2. Opened a terminal and entered `sudo adduser admin@maindomain.com sudo`
 - a. Entered admin password when prompted
 3. Verified that user was in the sudo group by entering `id admin@maindomain.com`

Disabled Registry for Domain Users

Saturday, February 25, 2023 7:04 PM

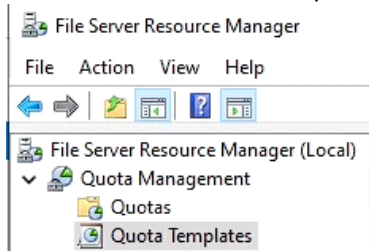
- Windows stores a lot of critical information in the registry
 - Messing with some of these registry files may render your PC useless
1. In Server Manager, navigated to *Tools / Group Policy Management* to open the GP editor
 2. Right clicked the *_USERS* folder and selected *Create a GPO in this domain...*
 - a. Named new GPO *User - Disable Regedit* and clicked **OK**
 3. Right clicked new GPO and selected *Edit*
 - a. Navigated to *User Configuration / Administrative Templates / System* and selected *Prevent access to registry editing tools*
 - b. In menu, selected *Enabled* and clicked **Apply** and then **OK**
 4. In a command prompt In Windows Server, ran `gpupdate /force` to force an update on Group Policy
 5. Tested the Group Policy in a Windows 10 client
 - a. In the client, ran a `gpupdate /force` in a command prompt
 - b. Proceeded to restart client
 - c. Logged into Windows 10 client and tried opening the *Registry Editor* by searching for it in the Windows search bar



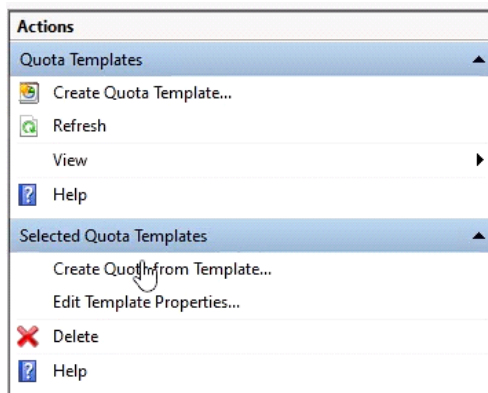
Applied File System Quotas

Monday, February 27, 2023 11:41 AM

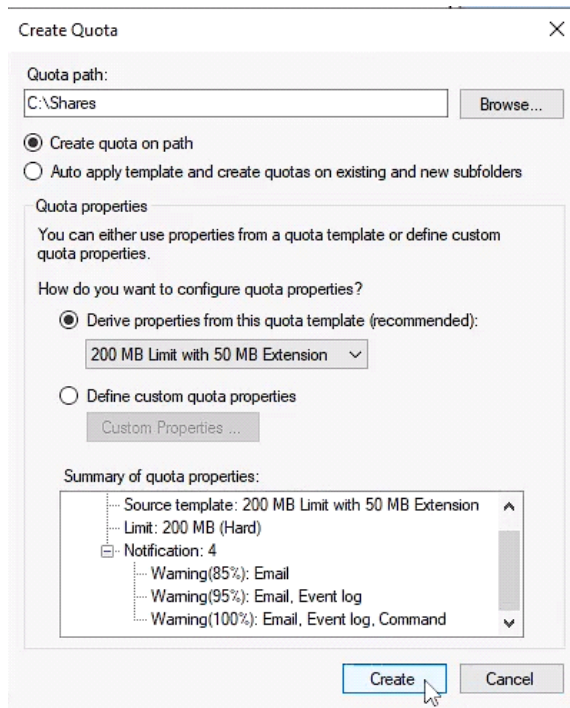
1. In Server Manager, clicked on *Add Roles and Features* and ran the wizard
 - In the Server Roles sub-menu clicked on *File and Storage Services* dropdown and selected *File Server Resource Manager* and clicked on **Next**
2. Continued clicking on **Next** until the Results sub-menu
 - a. Verified installation selections and clicked on **Install**
3. Back in Server Manager, navigated to *Tools | File Server Resource Manager*
4. In File Server Resource Manager, expanded the *Quote Management* menu on the left side and clicked on *Quote Templates*



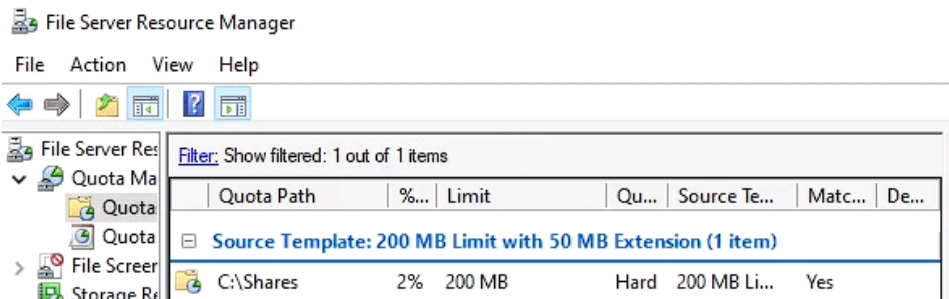
5. In the Action menu, on the right side clicked on *Create Quota from Template...*



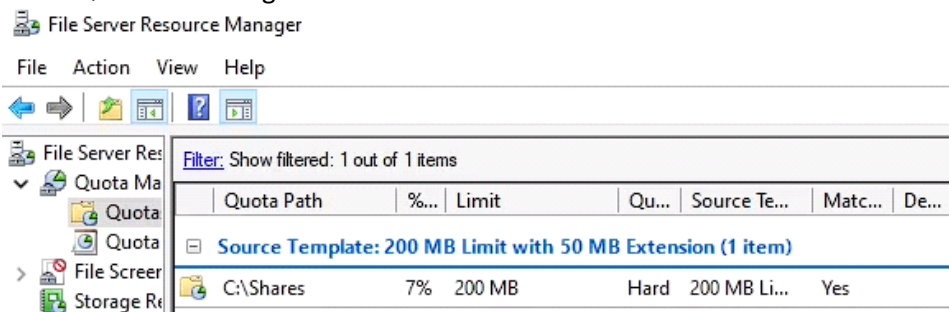
6. Configured Quota for the *C:\Shares* folder
 - a. In the wizard, clicked on *Browse* and navigated to the *C:\Shares* folder which houses all the shared file server
 - b. In the *Derive properties from this quota template* option selected the *200MB Limit with 50MB Extension* and clicked **Create**



7. Verified Quota was created
 - a. Navigated to the Quotas sub-menu
 - b. Right-clicked the Quotas folder and selected *Refresh*
 - c. Newly created quota should be present

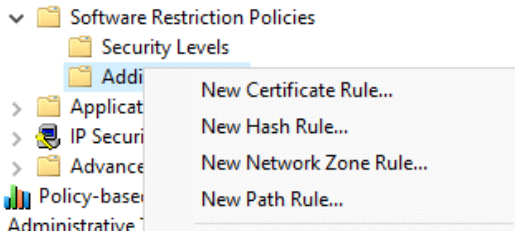


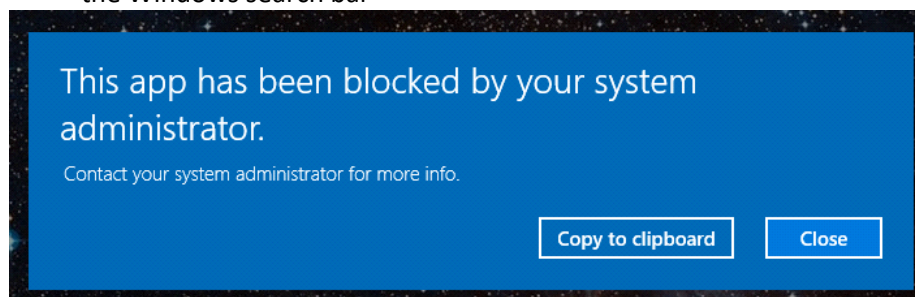
8. Tested Quota
 - a. Navigated to *C:\Shares* folder and created a text file
 - b. Filled the text file with redundant contents
 - c. Downloaded a high-quality image from Google and added it into the *C:\Share* folder
 - d. Navigated to the Quotas sub-menu
 - e. Right-clicked the Quotas folder and selected *Refresh*
 - f. Quota Percentage should have increased



Blocked an Application From Use

Monday, February 27, 2023 1:22 PM

- This method can be used to block any application on a Windows 10 client
 - In this example, domain users will have access restricted to the Microsoft Store
1. In Server Manager, navigated to *Tools / Group Policy Management* to open the GP editor
 2. Expanded domain and right-clicked the *_COMPUTERS* folder and selected *Create a GPO in this domain...*
 - a. Named new GPO *Computer - Disallow Store* and clicked **OK**
 3. Right-clicked new GPO and navigated to *Computer Configuration / Policies / Windows Settings / Security Settings / Software Restriction Policies / Additional Rules*
 4. Created new Rule
 - a. Right-clicked *Additional Rules* folder and selected *New Path Rule...*
 - > Software Restriction Policies
 - > Security Levels
 - > Additional Rules
 - > Application Restrictions
 - > IP Security Policies
 - > Advanced Security Settings
 - > Policy-based Administrative Templates
 - b. Pasted the following path in the *Path:* field
 - i. `%programfiles%\WindowsApps\Microsoft.WindowsStore*`
 - c. Set security level at *Disallowed* and hit **Apply** and then **OK**
 5. In a command prompt In Windows Server, ran `gpupdate /force` to force an update on Group Policy
 6. Tested the Group Policy in a Windows 10 client
 - a. In the client, ran a `gpupdate /force` in a command prompt
 - b. Proceeded to restart client
 - c. Logged into Windows 10 client and tried opening the *Microsoft Store* by searching for it in the Windows search bar

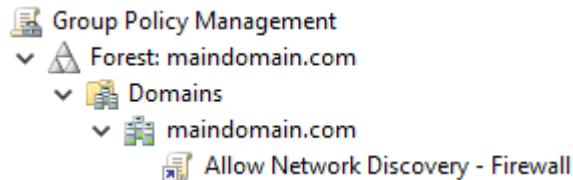


Enabled Network Discovery Via Firewall

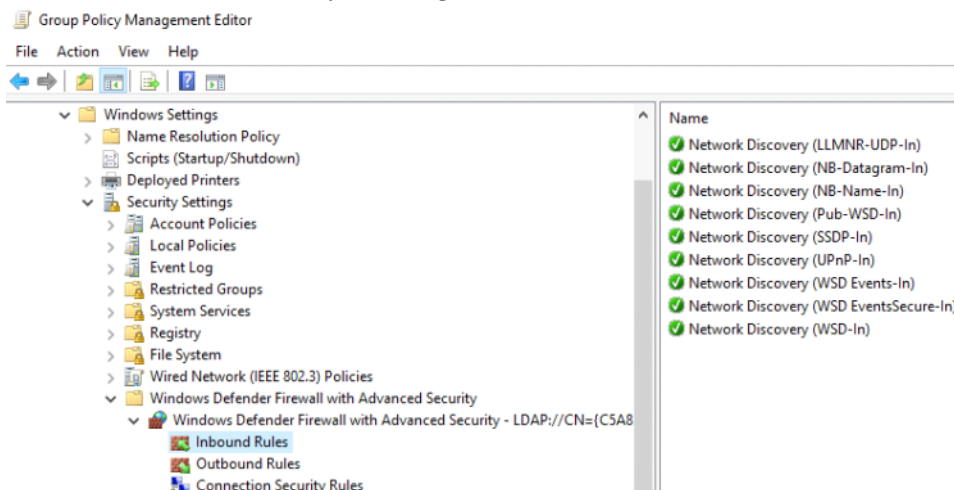
Monday, February 27, 2023 2:12 PM

- Enabled this feature so users can have access to the printer server and network file shares

1. In Server Manager, navigated to *Tools / Group Policy Management* to open the GP editor
2. Right-clicked the domain *maindomain.com* and selected *Create a GPO in this domain...*
 - a. Added GPO in this location so all OU's obtain Group Policy inheritance
 - b. Named new GPO *Allow Network Discovery - Firewall* and clicked **OK**



3. Right clicked new GPO and selected *Edit*
 - a. Navigated to *Computer Configuration / Windows Settings / Security Settings / Windows Firewall with Advanced Security*
 - b. Selected *Inbound Rules* and clicked *New Rule...*
 - c. In the first window of the wizard, selected *Predefined* and then *Network Discovery*, and then clicked on **Next**
 - d. In Predefined Rules, made sure all rules were checked and clicked on **Next**
 - e. In the Action screen selected *Allow the Connection* and then clicked on **Finish**
 - f. Verified all rules were on by checking *Inbound Rules*



4. In a command prompt In Windows Server, ran `gpupdate /force` to force an update on Group Policy
5. Tested the Group Policy in a Windows 10 client
 - a. In the client, ran a `gpupdate /force` in a command prompt
 - b. Proceeded to restart client
 - c. Logged into Windows 10 client and opened File Explorer
 - d. Navigated to the *Network* folder and verified devices on the network were discoverable

Redirecting Computer Account to a Specific OU

Monday, February 27, 2023 8:22 PM

- In AD Users and Computers, the default computer account where new clients are automatically added to is the *Computers* container



- There may be a case where one would want to redirect new clients into a new OU when a computer is added into the domain

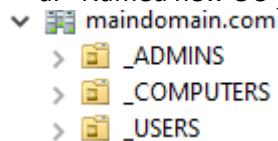
- For example, *Computers* -> *ALL_COMPUTERS OU*

- In this demonstration, the *Computers account* will be redirected to the *_COMPUTERS OU*

1. In Server Manager, navigated to *Tools / Active Directory Users and Computers*

2. Right-clicked domain and navigated to *New / Organizational Unit*

a. Named new OU *_COMPUTERS* and clicked **OK**



3. Searched for *command prompt* in the Windows Search Icon and ran as an administrator

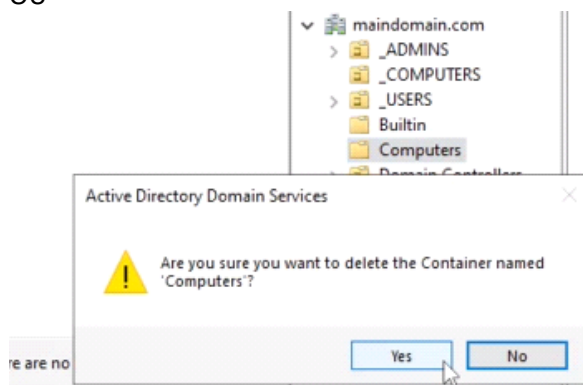
4. In the terminal, entered *redircmp ou=_computers,dc=maindomain,dc=com*

a. Checked for system message if redirection was successful

```
C:\Windows\system32>redircmp ou=_computers,dc=maindomain,dc=com
Redirection was successful.
```

5. Returned to *Active Directory Users and Computers* and refreshed the tool

6. *Computers* account can now be deleted and *_COMPUTERS OU* is the official new client redirection OU



Deployed Desktop Wallpaper Using a GPO

Tuesday, February 28, 2023 11:15 PM

1. In Server Manager, navigated to *Tools / Group Policy Management* to open the GP editor
2. Expanded domain and right-clicked the *_USERS* folder and selected *Create a GPO in this domain...*
 - a. Named new GPO *User - Wallpaper* and clicked **OK**
3. Deployed Desktop Wallpaper
 - a. Right-clicked new GPO and navigated to *User Configuration / Policies / Administrative Templates / Desktop*
 - b. Right-clicked *Desktop Wallpaper* and selected *Edit*
 - c. In new window, under *Desktop Wallpaper* selected *Enabled*
 - d. Under *Wallpaper Name*: pasted the network path to the .jpg file: file [\\DC.maindomain.com\winsmb\4k.jpg](file://DC.maindomain.com/winsmb/4k.jpg)
 - e. Next to *Wallpaper Style*: selected the *Fill* option
 - f. Selected **Apply** and then **OK**
4. In a command prompt In Windows Server, ran `gpupdate /force` to force an update on Group Policy
5. Tested the Group Policy in a Windows 10 client
 - a. In the client, ran a `gpupdate /force` in a command prompt
 - b. Proceeded to restart client
 - c. Logged into Windows 10 client and verified wallpaper changes

