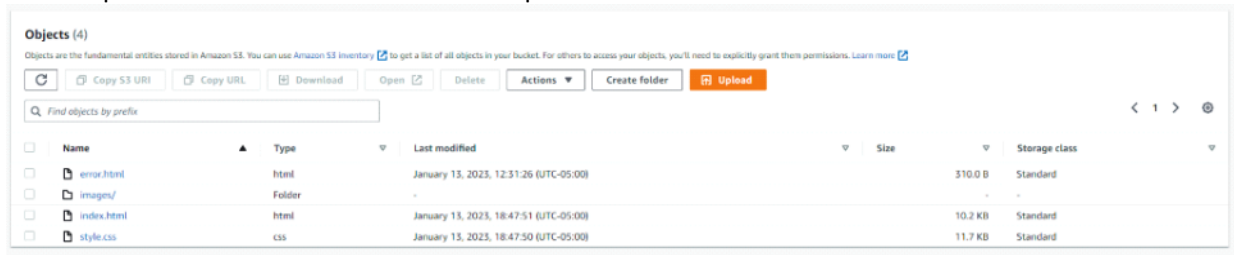


# KEY

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. At the top, there's a header 'Objects (4)' and a description. Below that are action buttons: 'Copy S3 URI', 'Copy URL', 'Download', 'Open', 'Delete', 'Actions', 'Create folder', and 'Upload'. A search bar 'Find objects by prefix' is present. The main part is a table with columns: Name, Type, Last modified, Size, and Storage class. The table contains four rows: 'error.html' (html, 310.0 B, Standard), 'images/' (Folder, -, Standard), 'index.html' (html, 10.2 KB, Standard), and 'style.css' (css, 11.7 KB, Standard).

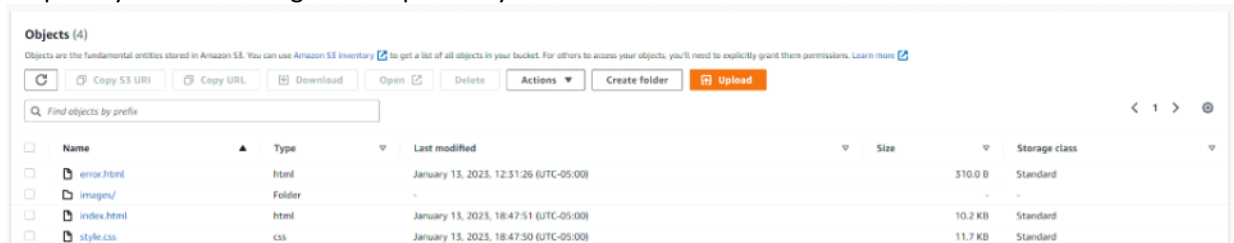
Name	Type	Last modified	Size	Storage class
error.html	html	January 13, 2023, 12:31:26 (UTC-05:00)	310.0 B	Standard
images/	Folder	-	-	Standard
index.html	html	January 13, 2023, 18:47:51 (UTC-05:00)	10.2 KB	Standard
style.css	css	January 13, 2023, 18:47:50 (UTC-05:00)	11.7 KB	Standard

- 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 an identical screenshot to the one 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;
}
```

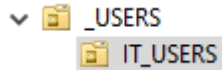
# Created a new OU to Implement Folder Redirection

Monday, February 27, 2023 10:16 PM

- In this demonstration, there are a few users in the domain who need to move around to different clients so they will need folder redirection to have access to all their files anywhere they go

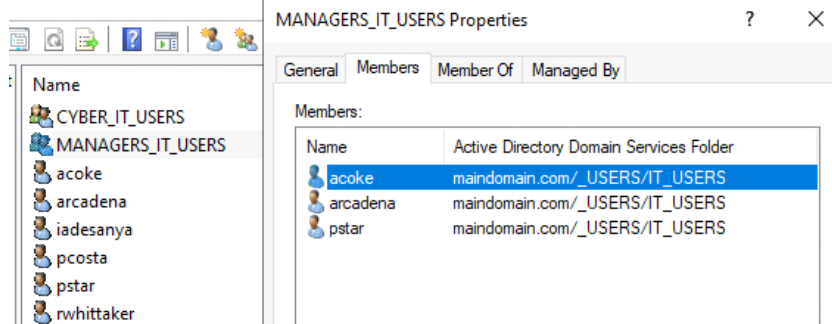
## 1. Created new OU in *\_Users* container

- a. In Server Manager, navigated to *Tools / Active Directory Users and Computers*
- b. Right-clicked the *\_Users* container and navigated to *New / Organizational Unit*
- c. Named the OU *IT\_USERS* and clicked **OK**



## 2. Created Manager group in newly created OU

- a. Right-clicked the *IT\_USERS* OU and navigated to *New / Group*
- b. In the *New Object – Group* menu, named Group Name to *MANAGERS\_IT\_USERS*
- c. Set Group Scope to *Global* and Group Type to *Security*
- d. Clicked **OK** to close the menu



# Created a Folder Redirection Share

Monday, February 27, 2023 10:51 PM

1. Opened Server Manager and clicked on the *File and Storage Options*
2. In the next window, clicked on *Shares* option located on the left panel
3. In Shares, clicked on *Tasks* and then *New Share*
4. Clicked on *SMB Share – Quick* option hit on **Next**
5. Share Location configuration
  - a. Selected *Type a custom path*:
  - b. Clicked on the **Browse** button and navigated to C:\
  - c. In the C Drive, created a new folder with the name of `folder_redirect` and clicked on **Next**
6. Share Name configuration
  - a. In the *Share Name* field, added a dollar sign after `folder_redirect$` to create share as a hidden share
  - b. Copied the path under *Remote path to share*: [\\DC\folder\\_redirect\\$](#) and clicked on **Next**

Share name:

Share description:

Local path to share:

Remote path to share:

7. In Other Settings, checked the *Enable access-based enumeration* box and clicked on **Next**
8. Permissions configuration
  - a. Clicked on *Disable inheritance* and selected the *Convert inherited permissions into explicit permissions on this object* option
  - b. Removed the *Allow Users Read & Execute* permissions entry by clicking **Remove**
  - c. Removed the *Allow Users Special* permissions entry by clicking **Remove**
  - d. Clicked on **Add** and then the *Select a Principal* option
    - i. In the search field, added the group name of `MANAGERS_IT_USERS` and clicked **OK**
    - ii. In the *Applies to* drop down menu, selected the *This folder only* option
    - iii. Expanded advanced permission by clicking *Show advanced permissions*
    - iv. Selected the following permissions for this folder and clicked **OK**

Advanced permissions:

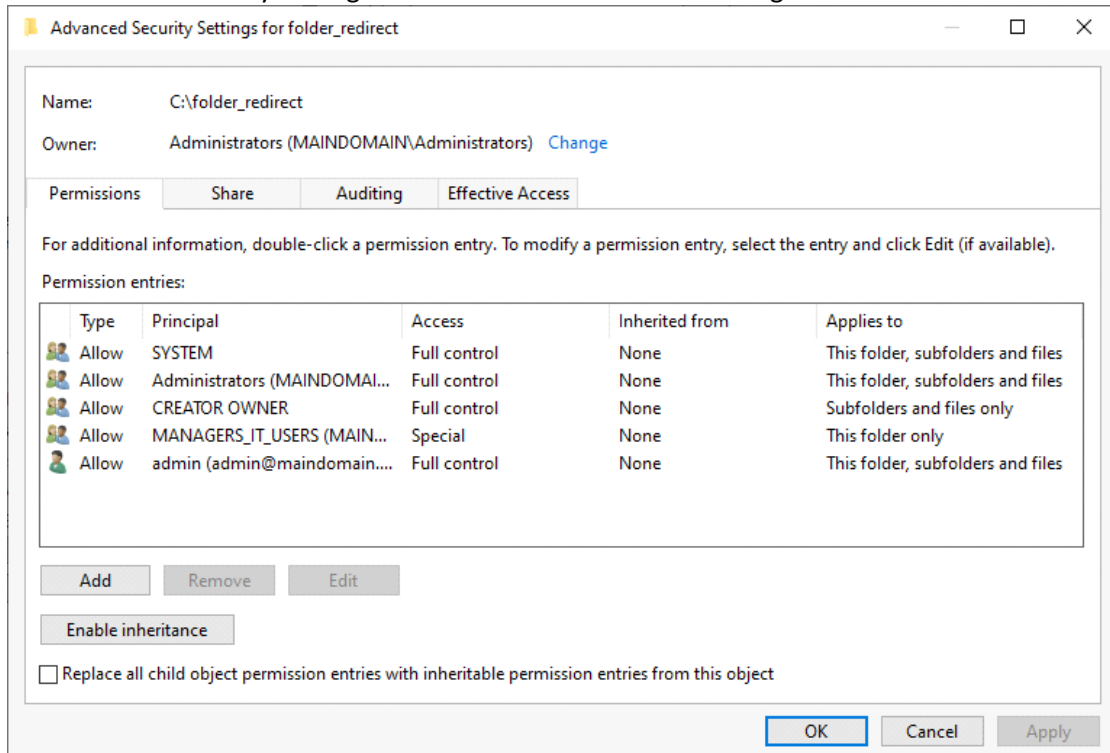
- |  |  |
|--|--|
| <input type="checkbox"/> Full control                            | <input type="checkbox"/> Write attributes            |
| <input type="checkbox"/> Traverse folder / execute file          | <input type="checkbox"/> Write extended attributes   |
| <input checked="" type="checkbox"/> List folder / read data      | <input type="checkbox"/> Delete subfolders and files |
| <input checked="" type="checkbox"/> Read attributes              | <input type="checkbox"/> Delete                      |
| <input checked="" type="checkbox"/> Read extended attributes     | <input checked="" type="checkbox"/> Read permissions |
| <input type="checkbox"/> Create files / write data               | <input type="checkbox"/> Change permissions          |
| <input checked="" type="checkbox"/> Create folders / append data | <input type="checkbox"/> Take ownership              |

[Show basic permissions](#)

☐ Only apply these permissions to objects and/or containers within this container

Clear all

e. The advanced security settings should now look like the following:



f. Hit **Apply** and the **OK** to exit the security settings

9. Verify that share folder is present under shares

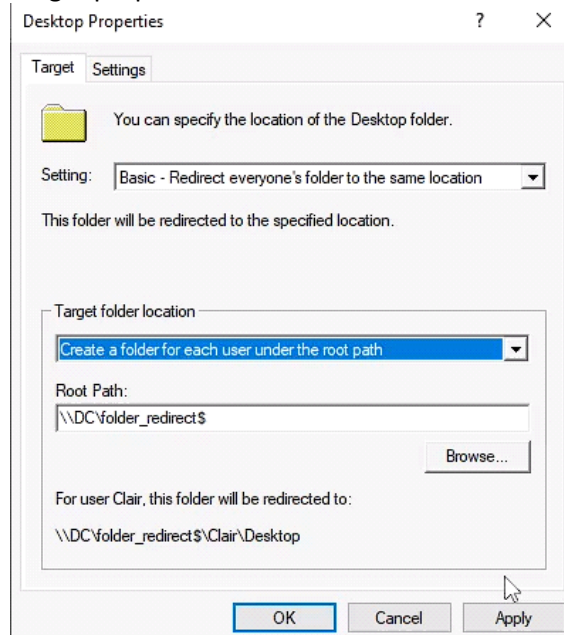


# Added a GPO for Folder Redirection

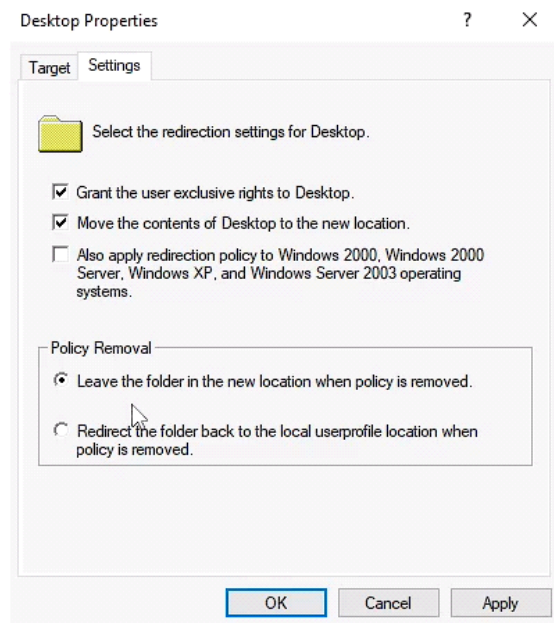
Monday, February 27, 2023 11:28 PM

## Added GPO for Folder Redirection:

1. In Server Manager, navigated to *Tools / Group Policy Management* to open the GP editor
2. Right clicked the *Group Policy Objects* container and selected *Create a GPO in this domain...*
  - a. Named new GPO *Users - Folder Redirection* and clicked **OK**
3. Right clicked new GPO and selected *Edit*
  - a. Navigated to *User Configuration / Policies / Security Settings / Folder Redirection*
    - i. Many system folders should be present
    - ii. Right clicked the *Desktop* folder and selected *Properties*
    - iii. In Desktop Properties under *Setting*, selected the *Basic – Redirect everyone's folder to the same location* option
    - iv. Under *Target folder location*, selected *Create a folder for each user under the root path* option
    - v. Under the *Root Path* location, pasted the root path from the last page: [\\DC\\folder\\_redirect\\$](#)
    - vi. Clicked on the *Settings* tab on the top and selected *Redirect the folder back to the local userprofile location when policy is removed* option
    - vii. Target properties screenshot:



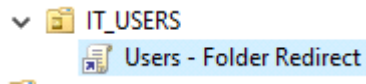
- viii. Properties settings screenshot:



- ix. Clicked **Apply** and then **OK** to save the settings and exit
- b. Performed the same steps as 3a(Added...) for the following folders: *Documents, Pictures, Start Menu*
- c. Exited the editor and returned to Group Policy Management

4. Right clicked the *IT\_USERS* OU and selected the *Link an Existing GPO* option

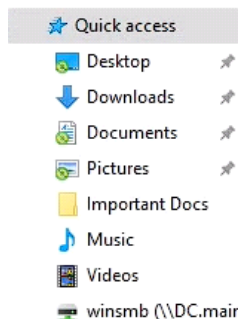
5. Selected the *Users – Folder Redirect* GPO and clicked **OK**



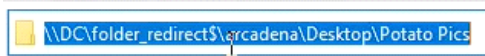
6. In a command prompt In Windows Server, ran `gpupdate /force` to force an update on Group Policy

### **Tested Folder Redirection on Windows 10 Clients:**

1. In Client1, ran a `gpupdate /force` in a command prompt
2. Proceeded to restart client
3. Logged into Windows 10 Client1 with an account that is part of the MANAGERS group
4. Verified that the Desktop, Documents, Pictures, and Start Menu folders all had a green mark under them
  - a. This indicates that the folders are in sync with the server



- b. Clicked on the folder path to verify files were being synced to the correct location



5. Repeated the same steps as 1-4(Tested...) with Client4 to verify all folders were in sync
  - a. Seeing this status message while logging in, indicates folder redirection is fully functional

