SYSTEM AND NETWORK ADMINISTRATION

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1. Task#1(IIS Backup and Restore):

1.1. Creating Backup in Source Server:

- Initially we access the directory to inetsrv which is the main directory for IIS.

```
C:\Windows\System32>cd inetsrv
```

- We then list the recent backups.

```
C:\Windows\System32\inetsrv>appcmd list backup
BACKUP "CFGHISTORY_0000000008"
BACKUP "CFGHISTORY_0000000009"
BACKUP "CFGHISTORY_0000000010"
BACKUP "CFGHISTORY_0000000011"
BACKUP "CFGHISTORY_0000000012"
BACKUP "CFGHISTORY_0000000013"
BACKUP "CFGHISTORY_0000000014"
BACKUP "CFGHISTORY_0000000015"
BACKUP "CFGHISTORY_0000000016"
BACKUP "CFGHISTORY_0000000017"
```

- We add our backup as "IIS Backup"

```
C:\Windows\System32\inetsrv>appcmd add backup "IIS backup"
BACKUP object "IIS backup" added
```

- Listing our backups we can see that backup has been added to list.

```
C:\Windows\System32\inetsrv>appcmd list backup
BACKUP "IIS backup"
BACKUP "CFGHISTORY_0000000008"
BACKUP "CFGHISTORY_0000000009"
BACKUP "CFGHISTORY_0000000010"
BACKUP "CFGHISTORY_0000000011"
BACKUP "CFGHISTORY_0000000012"
BACKUP "CFGHISTORY_0000000013"
BACKUP "CFGHISTORY_0000000014"
BACKUP "CFGHISTORY_0000000015"
BACKUP "CFGHISTORY_0000000016"
BACKUP "CFGHISTORY_0000000017"
```
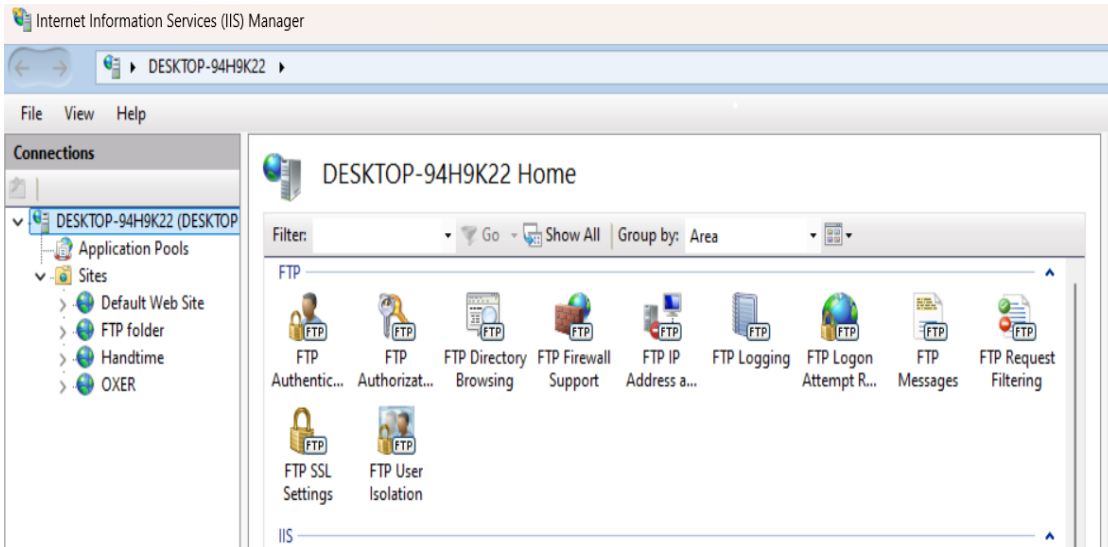
- Using the command "appcmd restore backup" to restore any backup i.e., "IIS backup."

```
C:\Windows\System32\inetsrv>appcmd restore backup "IIS backup"
Restored configuration from backup "IIS backup"
```
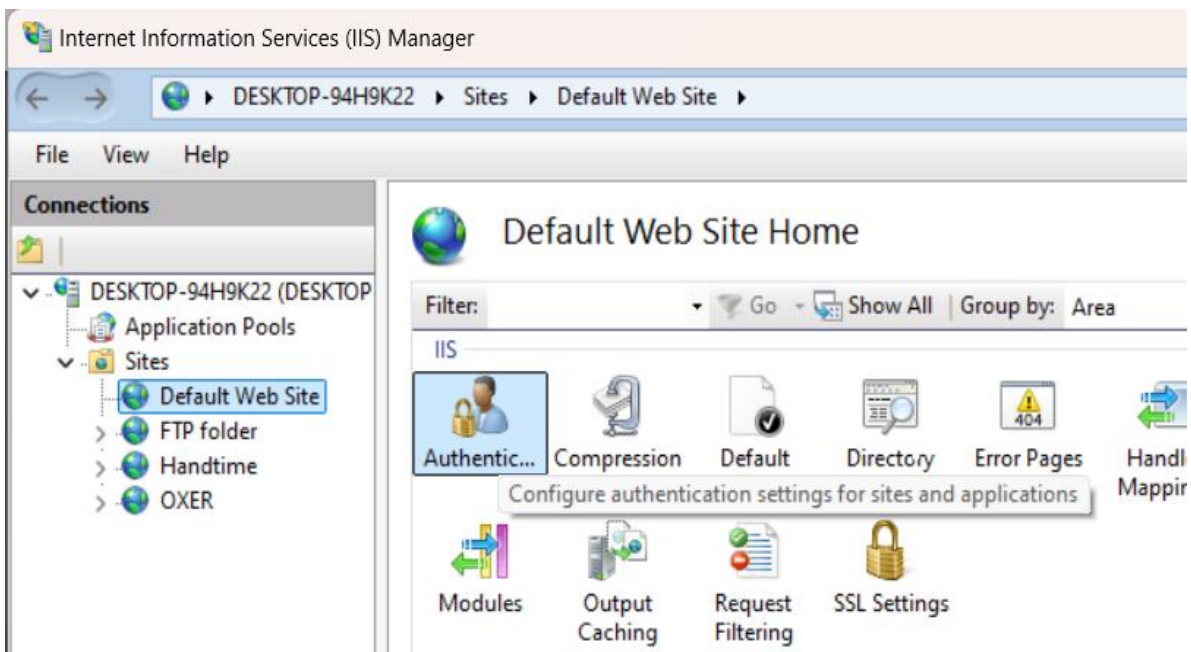
2. Task#2(Securing an IIS site):

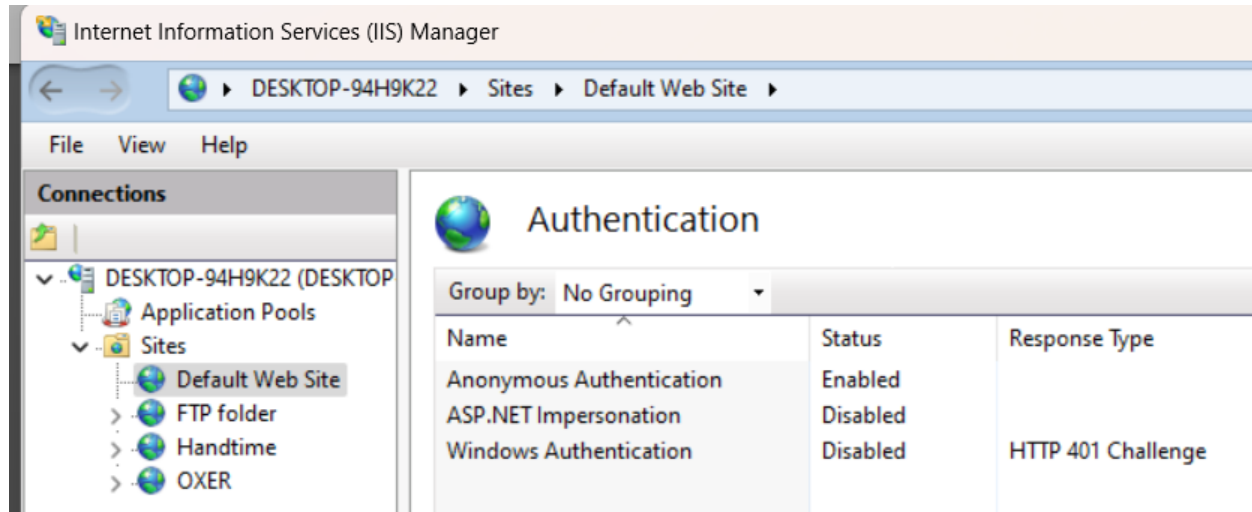## 2.1 Securing an IIS site on Windows 11

- Initially we open Internet Information Services (IIS) manager.

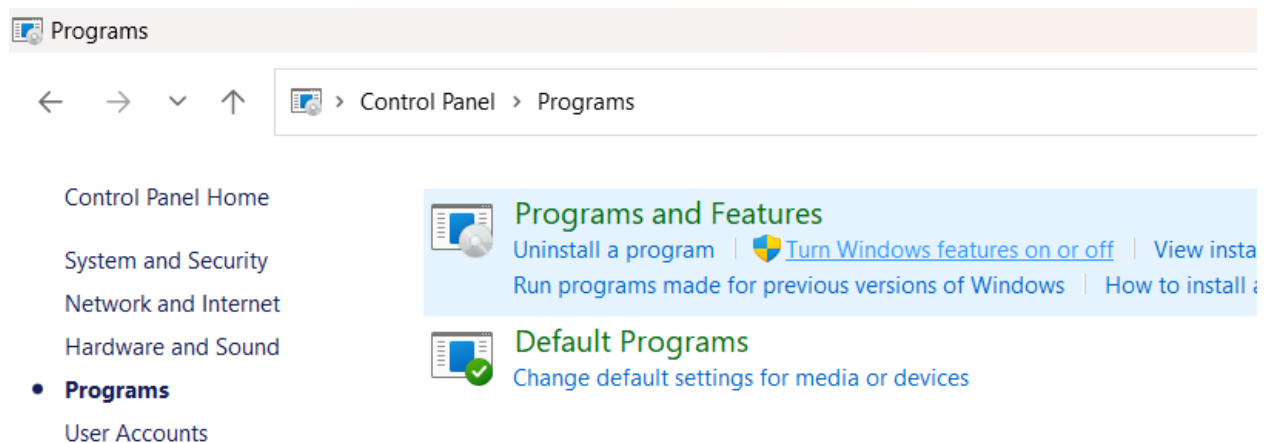- Opening configuring interface for IIS manager's, Default Web site.

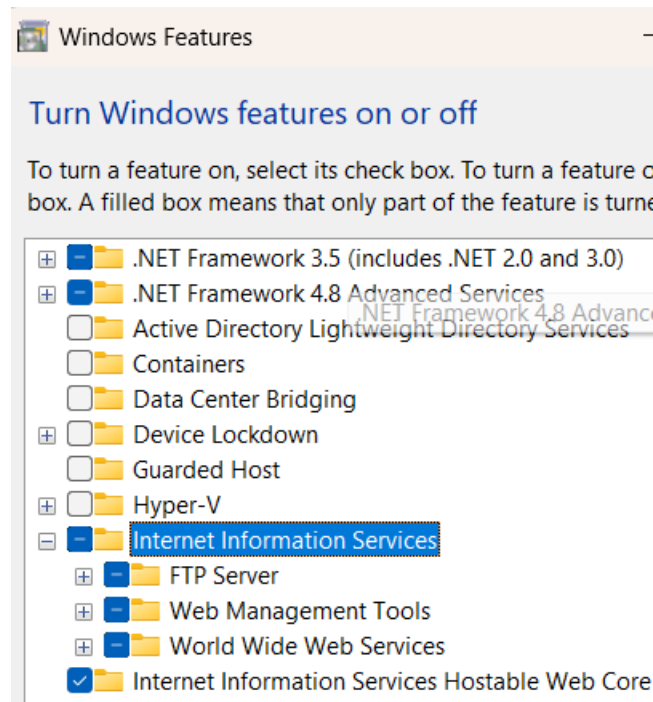- Opening authentication interface for IIS manager's, Default Web site.

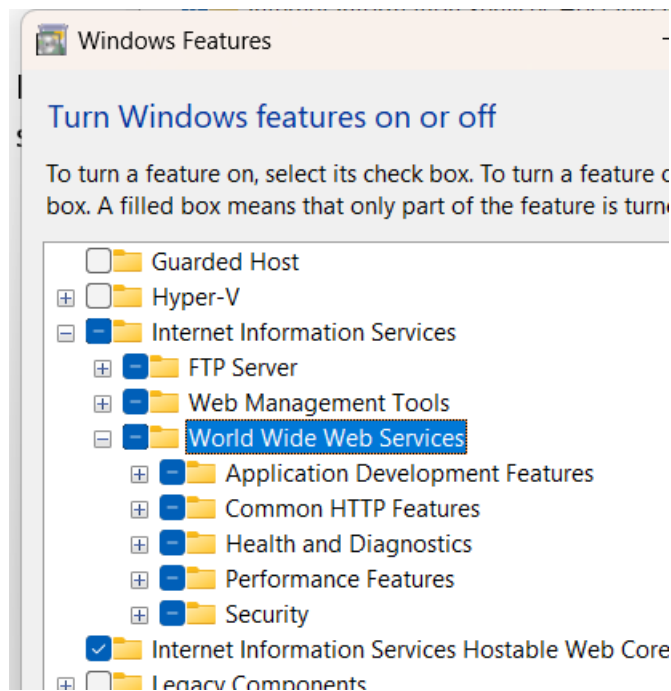## 2.2 How to install Windows authentication option IIS manager on Windows 11

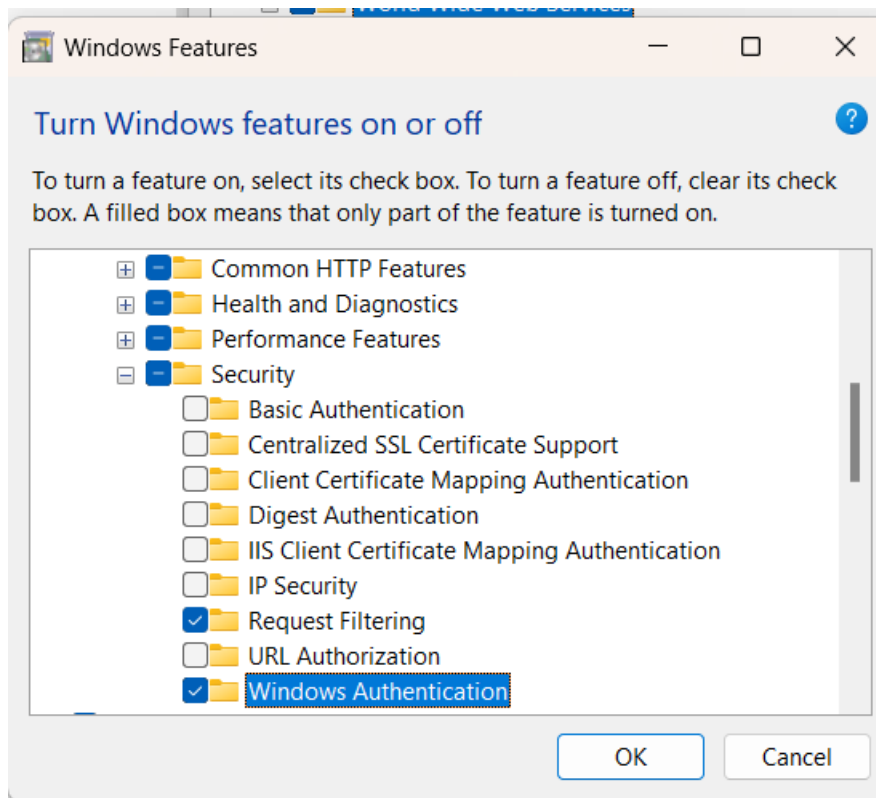- Open Control panel browse to programs and click Turn windows features on or off.

- In the Windows Features panel, open sub folders for IIS

- In sub folders for IIS, select World wide web services and open its subfolders

- Now select Security and open its subfolders and find the option Windows Authentication. Click Ok to start the installation.

- After the installation following will be the authentication interface for IIS manager's, Default Web site.
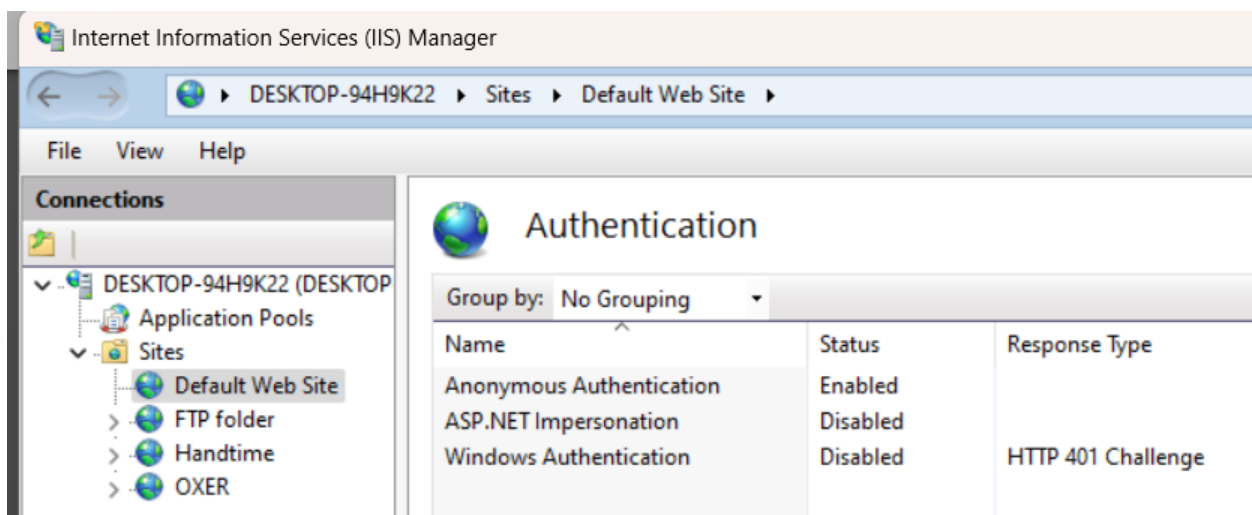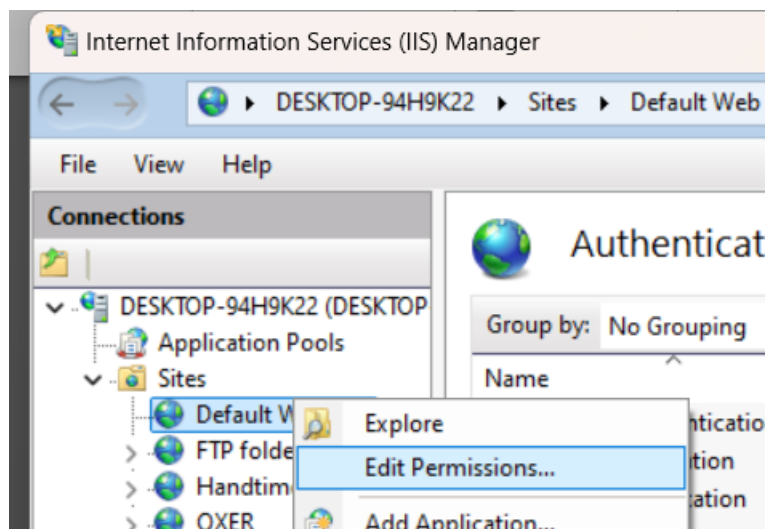
- Now Disable Anonymous Authentication and Enable Windows Authentication by simply right-clicking and selecting Disable/Enable.
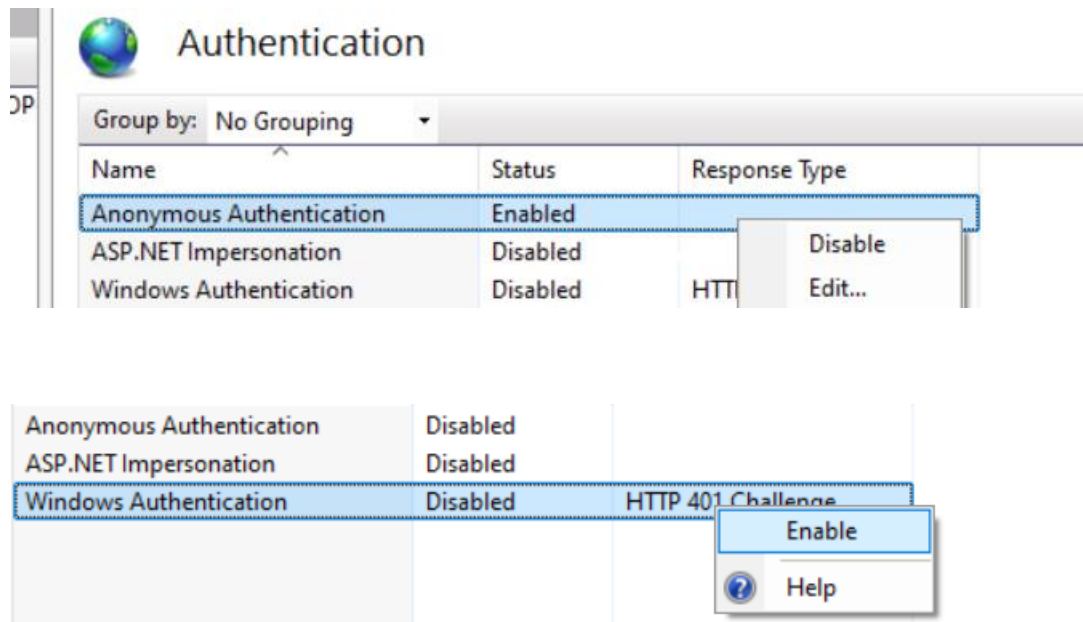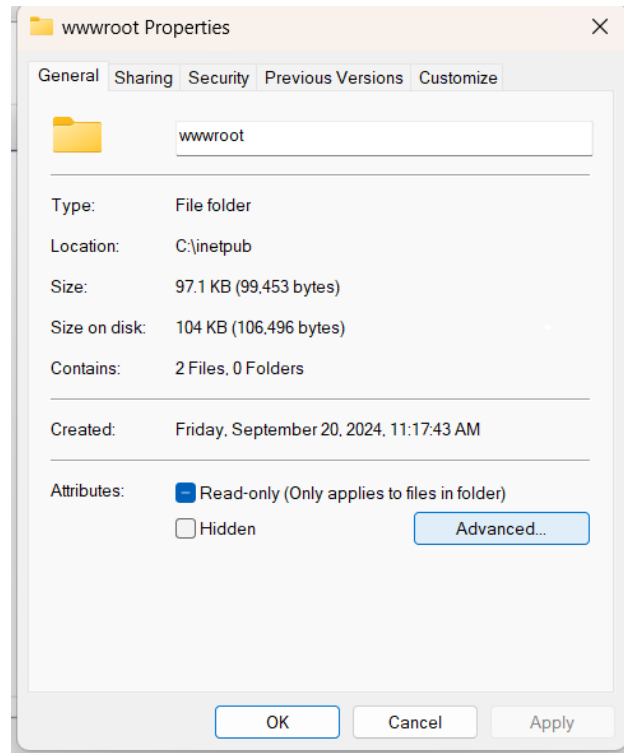

2.3   Reconfiguring Permissions for the Default Web Site

- To reconfigure permissions, select Default Web Site right-click, and select Edit Permissions option
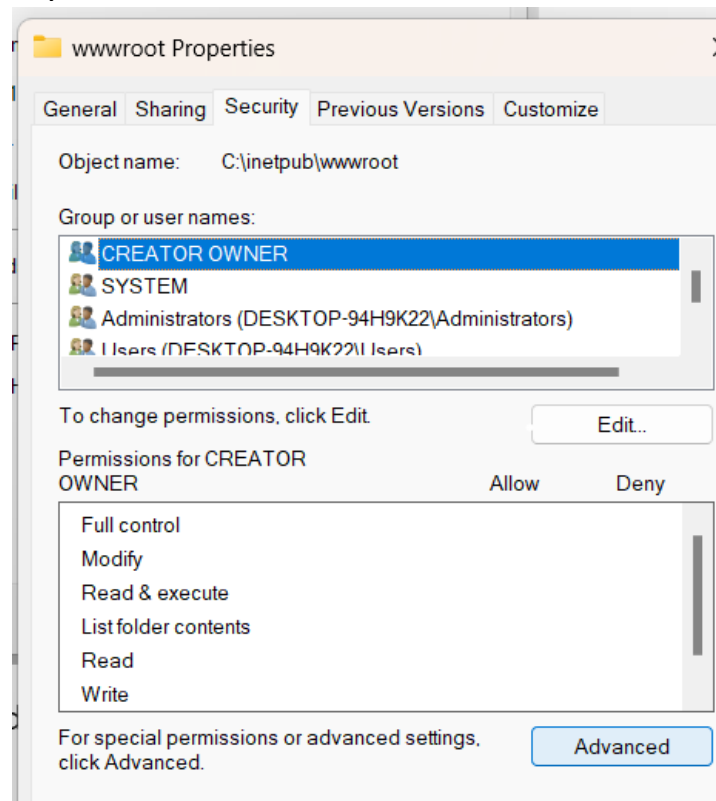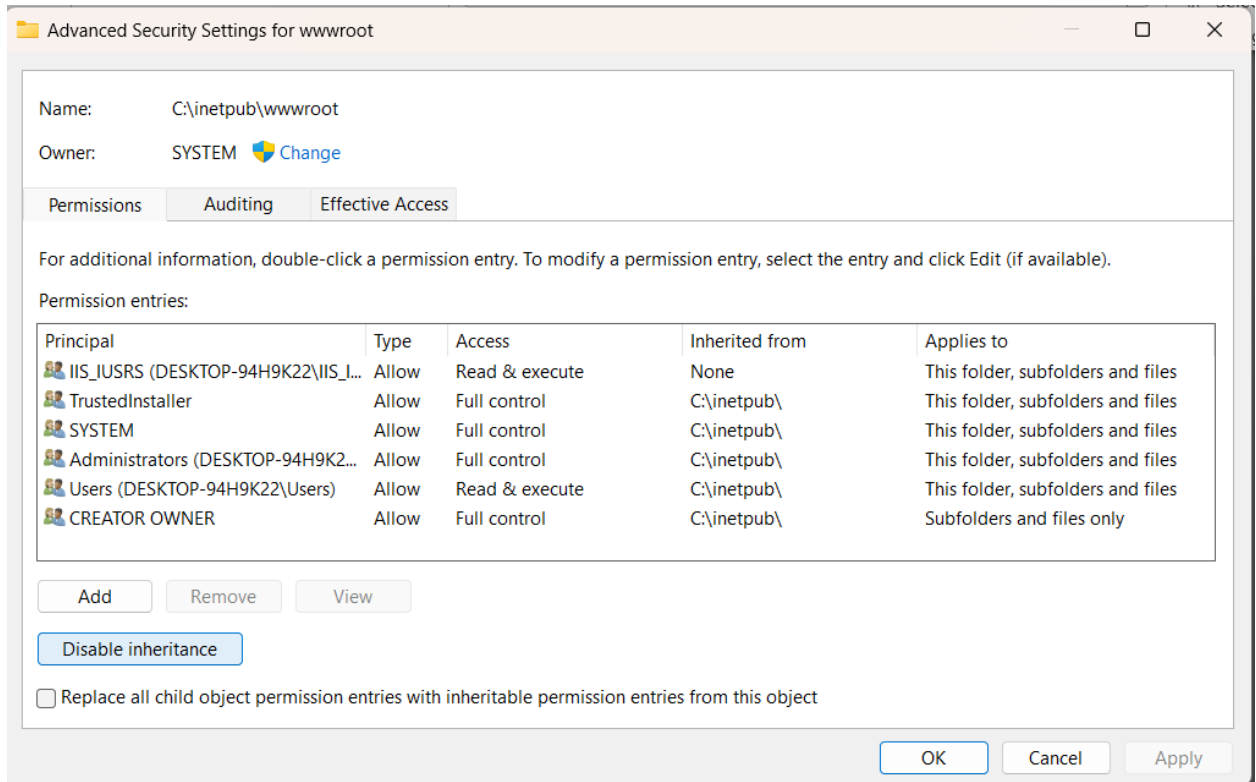
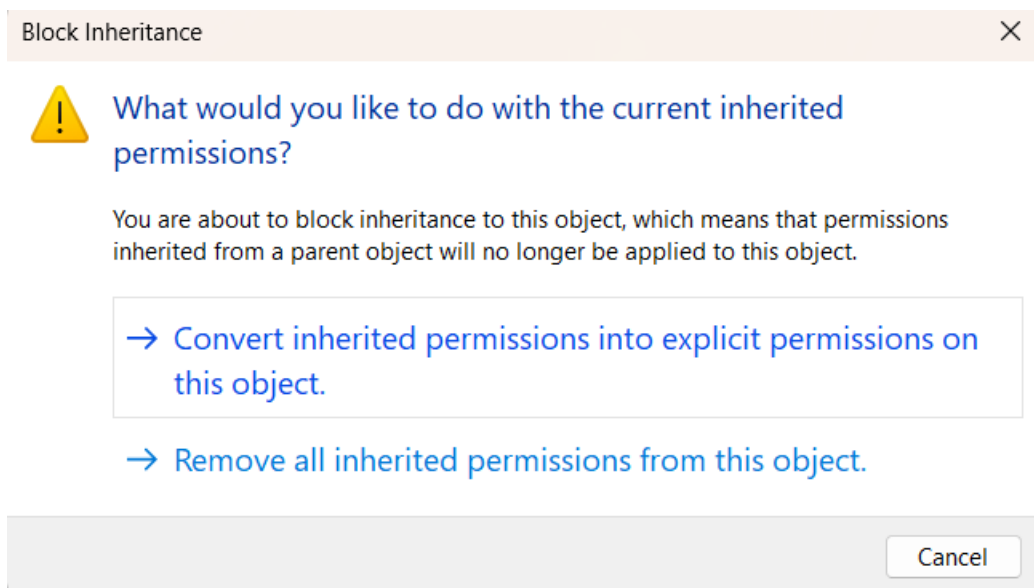- The following window will appear, go to the Security tab.
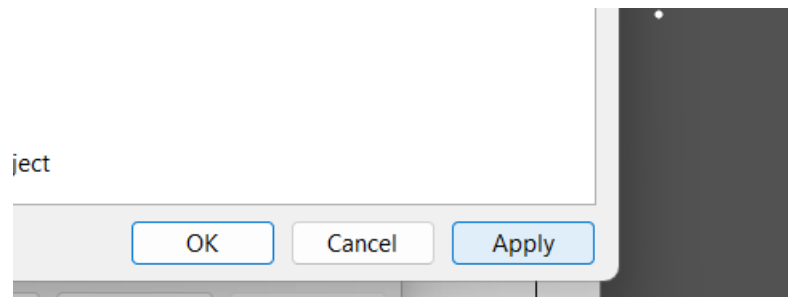

- In the Security tab, click Advanced.

- In the Advanced Security Settings window, click Disable inheritance.

- When prompted, choose Convert inherited permissions into explicit permissions on this object.
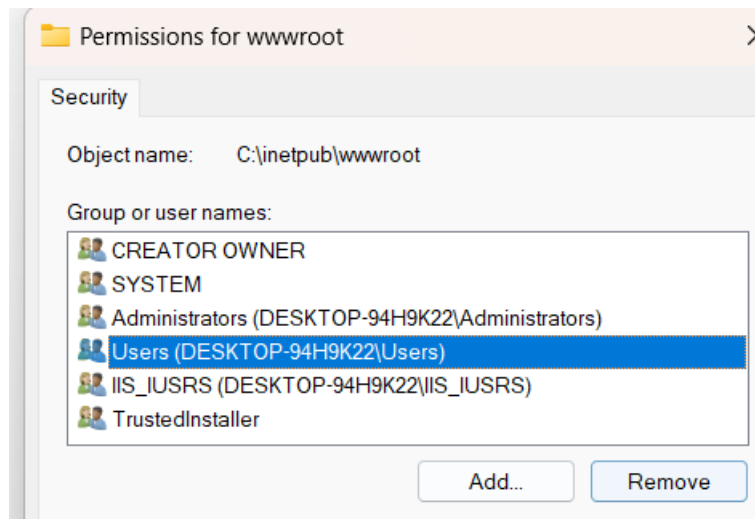
- Click Apply to apply the permission changes. Then Click OK to close the Advanced Security Settings window.
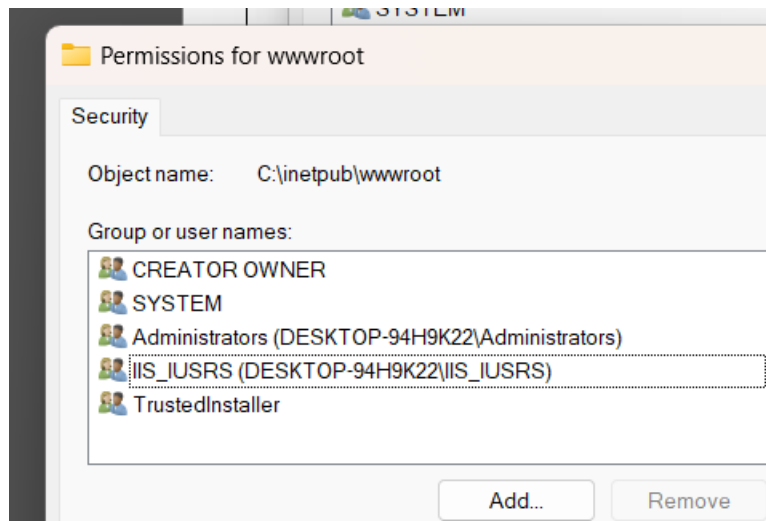

- Back on the Security tab window, Click Edit a new window will appear to change permission for different users.
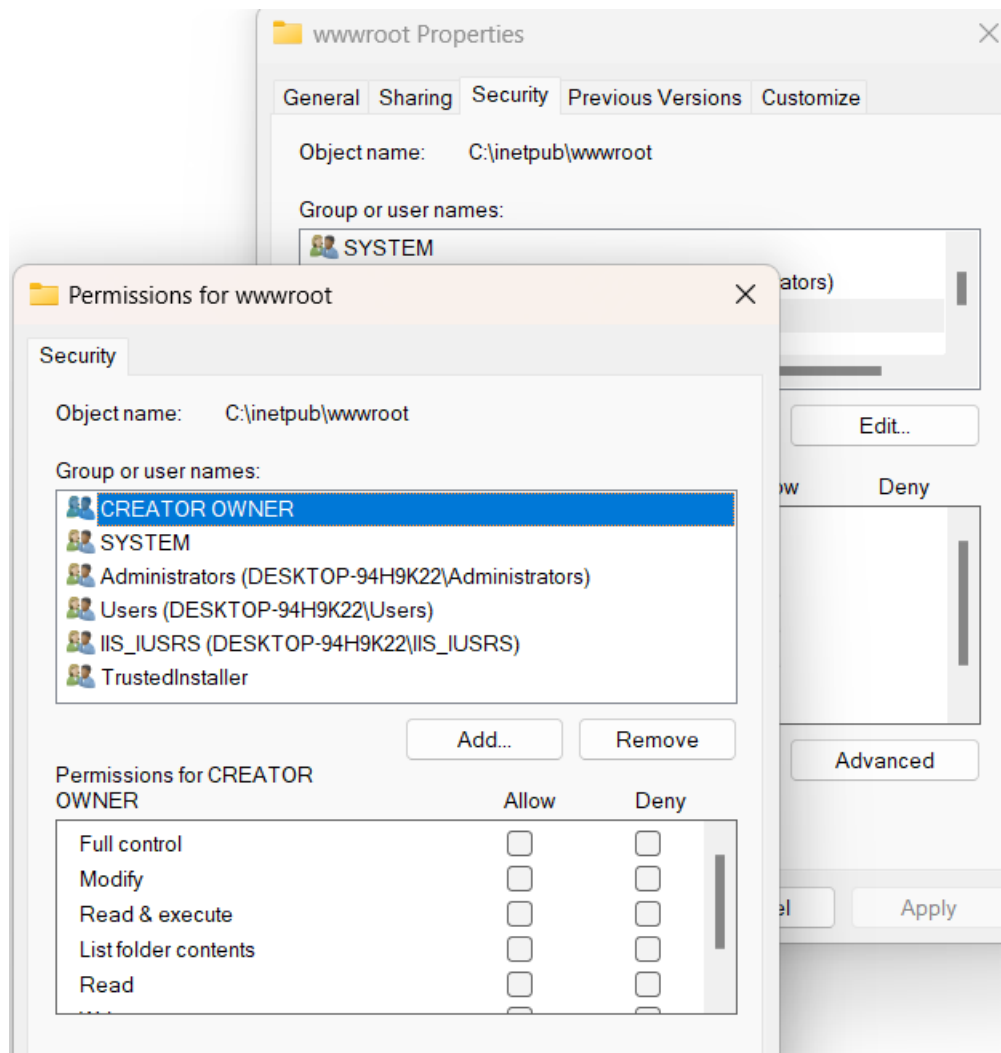
- Select the Group or username you want to remove/add, or change permissions
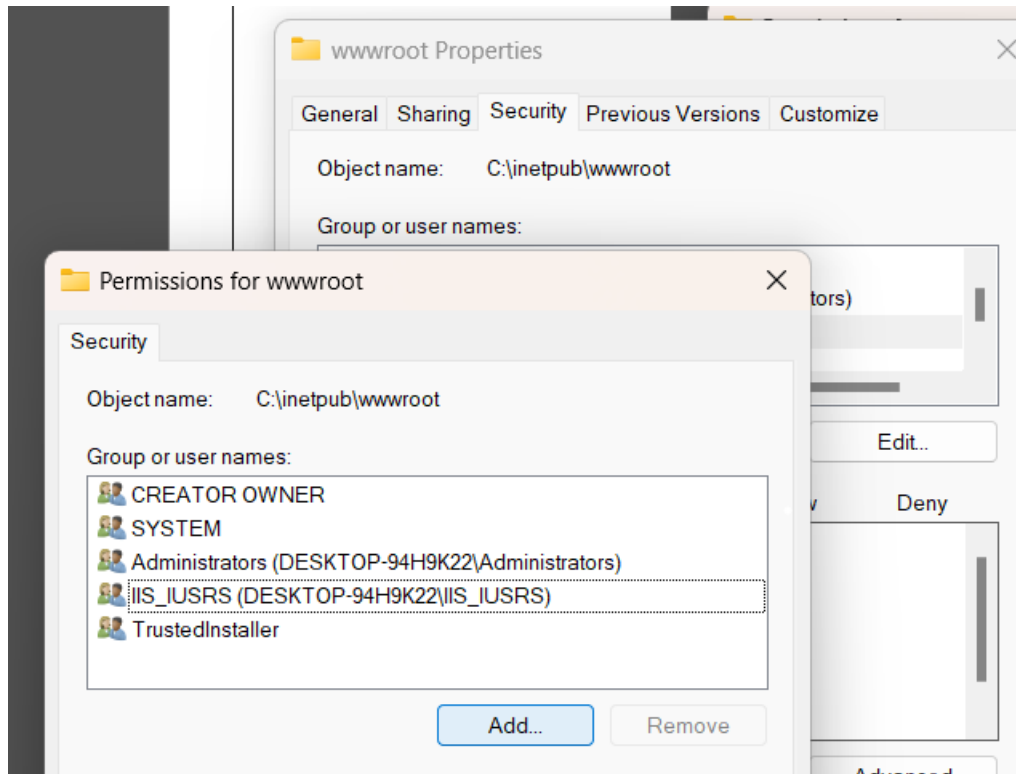

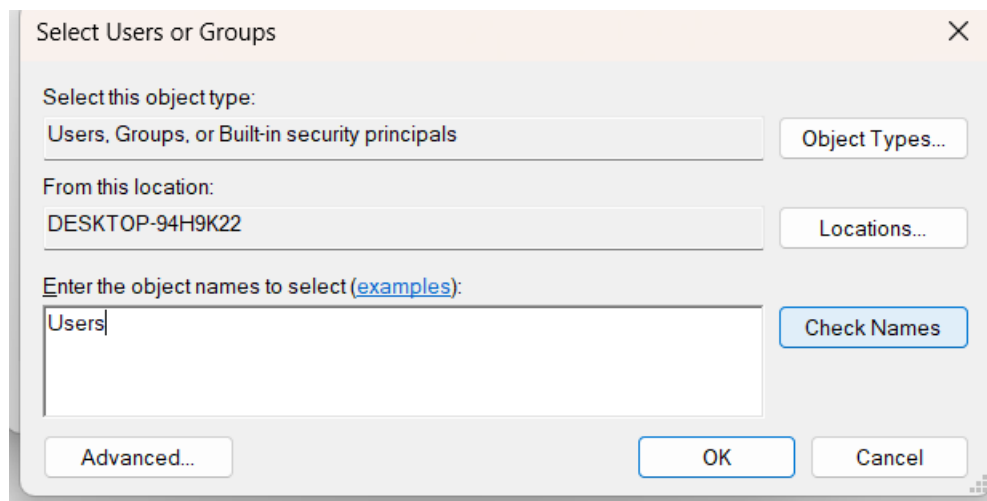- After removing Users

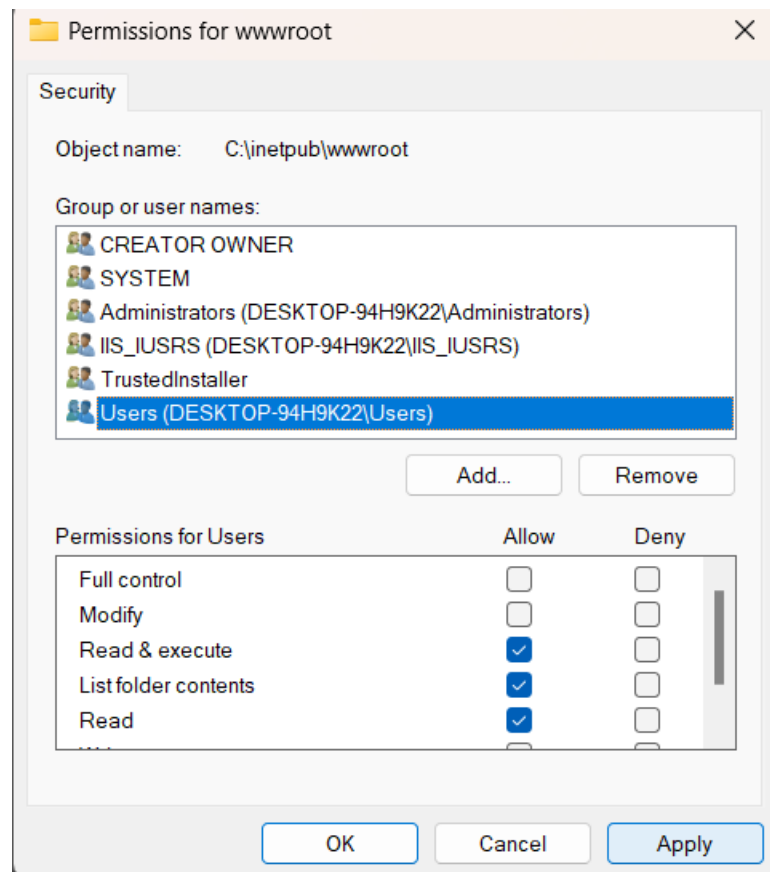## 2.4   Configuring Access for Specific Users or Groups

- In the Security tab, Click Edit and then Add.

- When prompted enter a name or group, Click Check Names and then Ok.

- After which the user/group will be added to the Groups or user names. Their permission can also be change from there.

- First click Apply and then Ok to finalize any changes.

2.5   Testing the site

- Open the IIS manager, open configurational interface for Default Web Site, from the menu on the right click the link below the option "Browse Website".
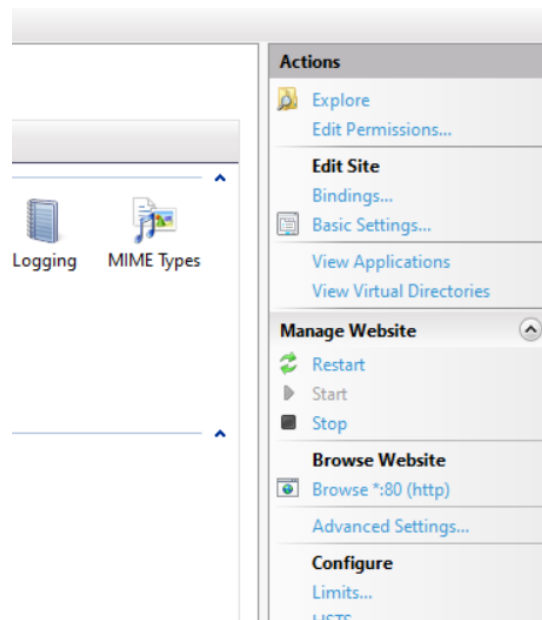
- The website will open in the default browser.