How to Incrementally Backup Client System Files using UrBackup

2/10/23

By Jarvis Lee Richard

Goal: Create a backup system, test it, and practice it with a client machine. I plan to incrementally backup a client's system files using an opensource application called URBackup.
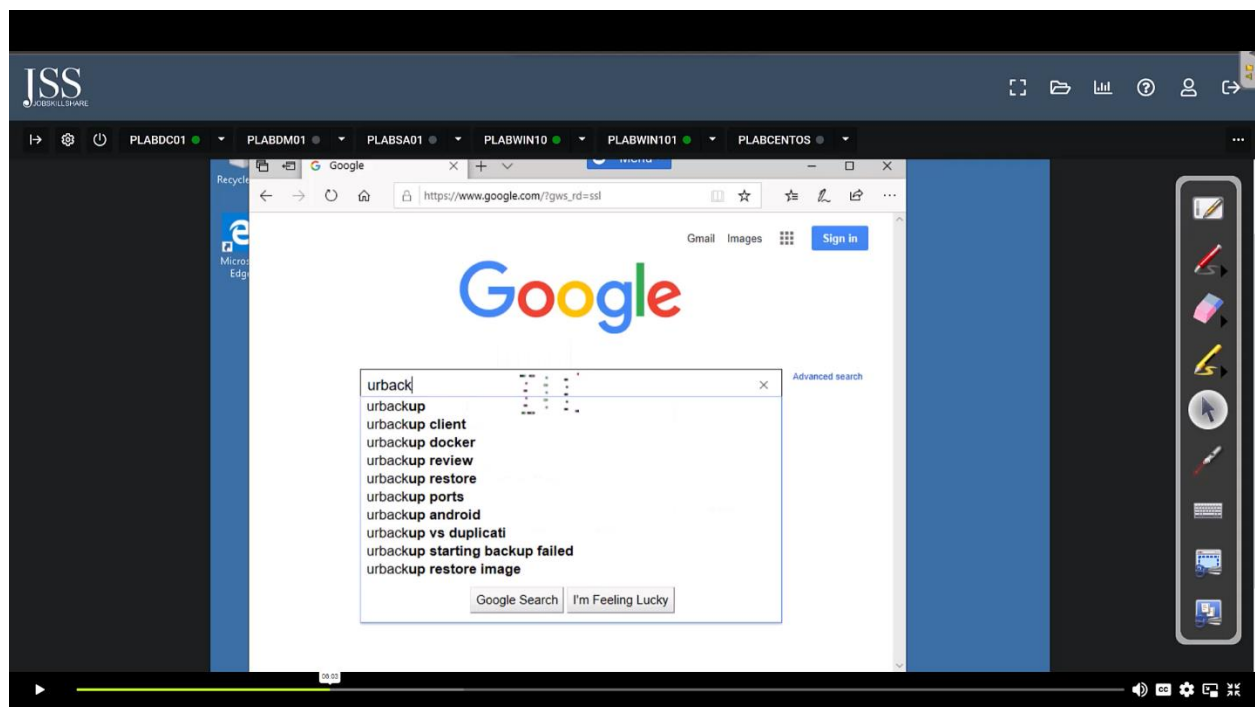
You can try to replicate this environment and create several Window machines to test on using a tool like Virtual box.

Tools Used:

- **Windows 2019 Server**
- **PLABWIN10 -Backup Server**
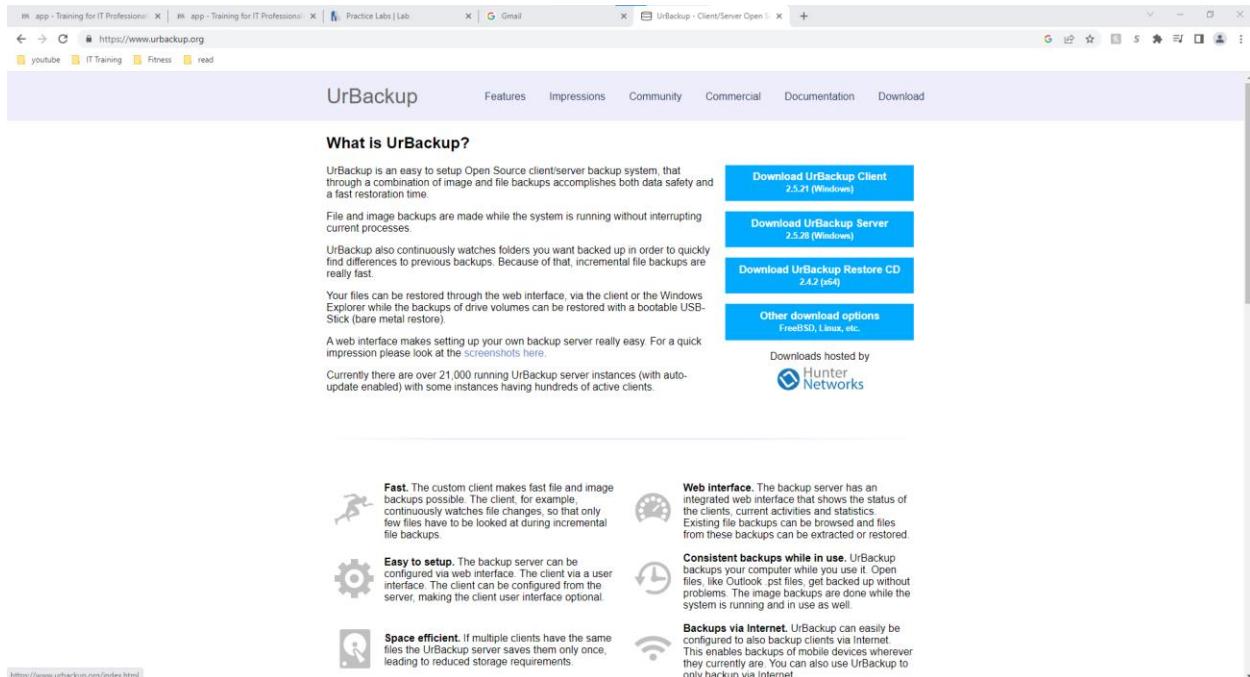- **PLABWIN101 -Client**

Setup

1. Download the URBackup files on the PLABWIN10 machine. This machine will act as the backup server.
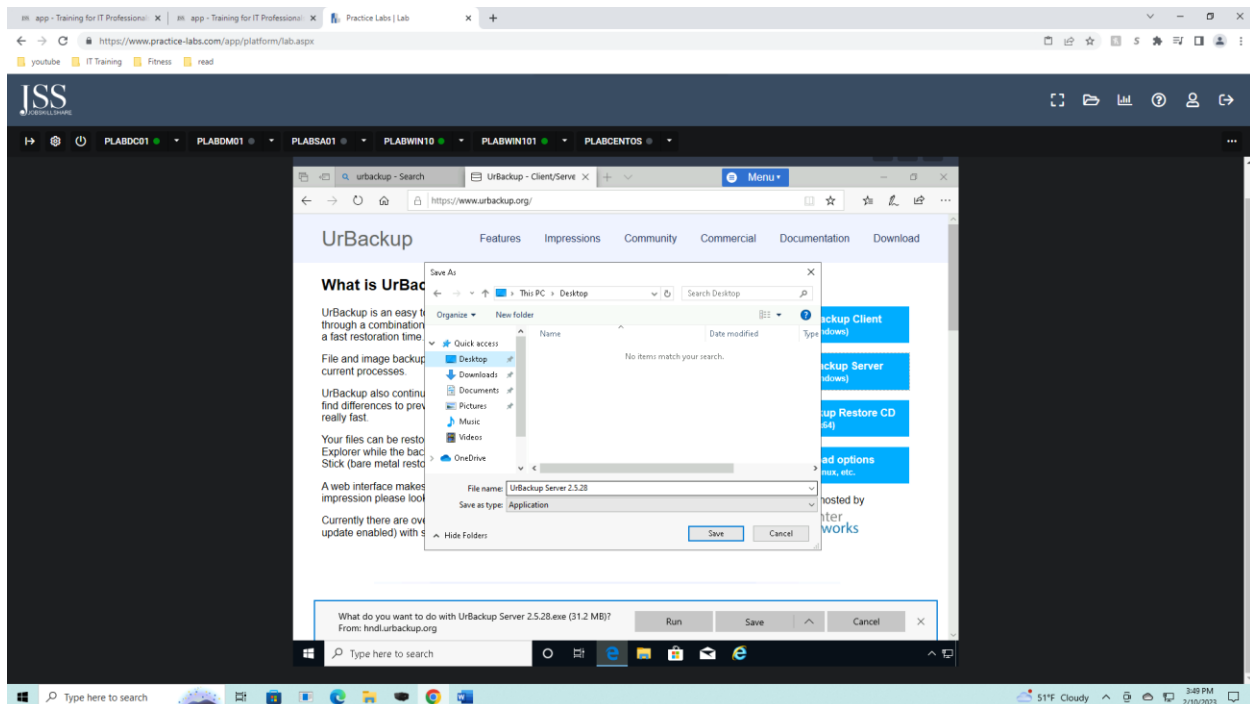
2. Once on the page, scroll to the Download UrBackup Server Edition on the right side of screen.

3. Once downloaded, click save as and store it on your desktop and run the application.

4. Choose destination folder for program. Go with the default file path provided and install.
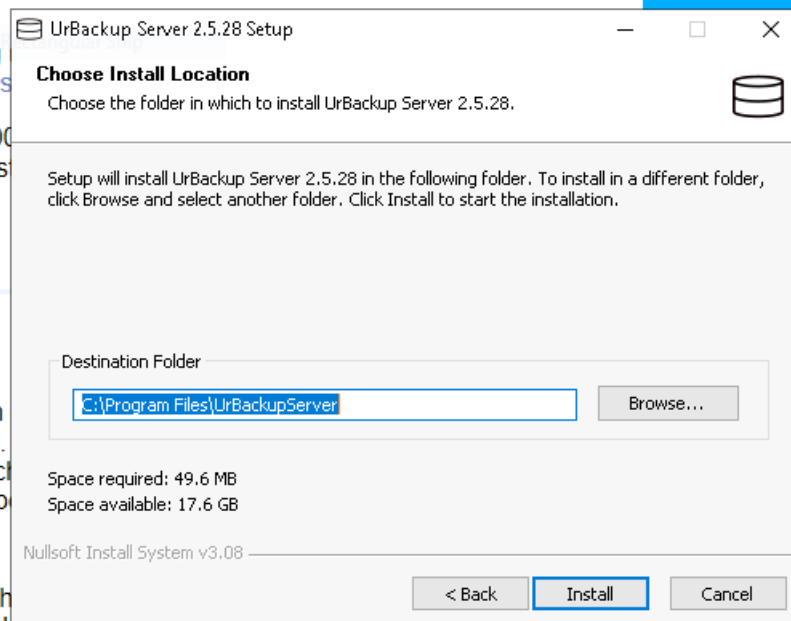
the backups of drive volumes can be restored with a bootable USB-
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terface. The client can be configured from the
erver, making the client user interface optional.
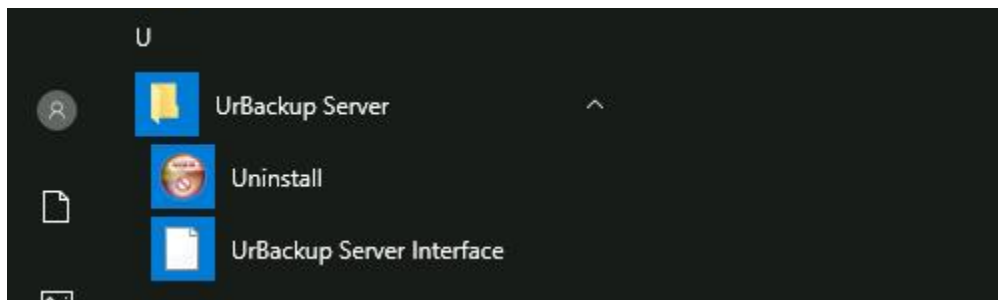
ckup server has an
that shows the status
ities and statistics.
n be browsed and files
be extracted or restore

hile in use. UrBackup
while you use it. Open
files, like Outlook .pst files, get backed up with
problems. The image backups are done while t
system is running and in use as well.

UrBackup Server 2.5.28 Setup

Choose Install Location
Choose the folder in which to install UrBackup Server 2.5.28.

Setup will install UrBackup Server 2.5.28 in the following folder. To install in a different folder, click Browse and select another folder. Click Install to start the installation.

Destination Folder

C:\Program Files\UrBackupServer   [Browse...]

Space required: 49.6 MB
Space available: 17.6 GB

Nullsoft Install System v3.08

[< Back] [Install] [Cancel]

5. Go to Windows start Menu and open UrBackup Server Interface.

6. Once open, the program will show the following error.

To resolve this error, we will need to create a directory to store our backup files.

7. Go to C: Drive (Local Disk) and create a new folder titled "urBackup".
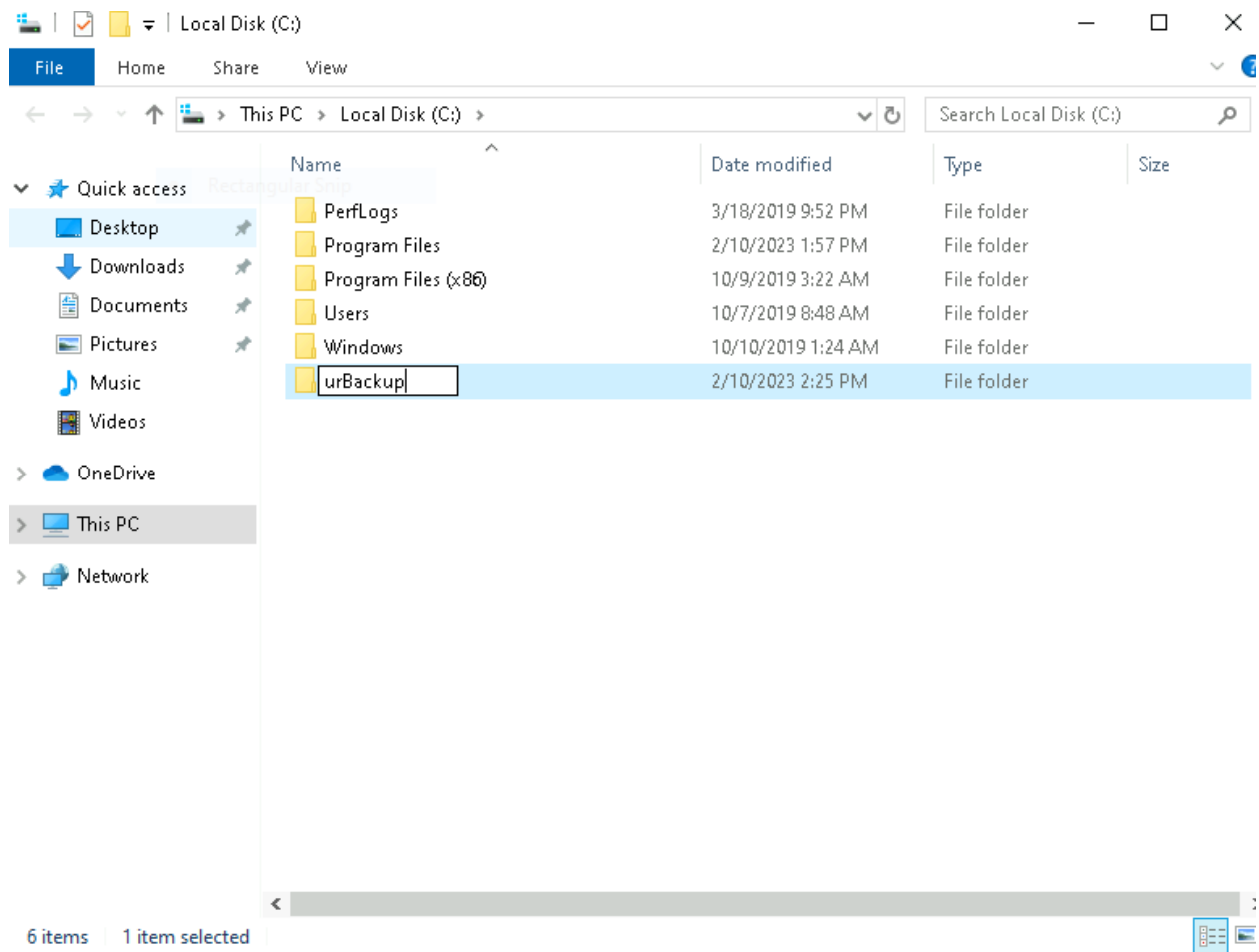
8. Now, go to settings on the urBackup Server Interface. The backup storage path should now show the C: as the backup location.

UrBackup - Keeps your ×   +   ∨

localhost:55414/

UrBackup   Status   Activities   Backups   Logs   Statistics   **Settings**

General   Mail   LDAP/AD   Users   **+ Add new group**

Server   File Backups   Image Backups   Permissions   Client   Archive   Alerts   Local/passive clients

Internet/Active clients   Advanced

Backup storage path:	C:\urbackup
Server URL for client file/backup access/browsing:	http://example.com:55414
Do not do image backups:	☐
Do not do file backups:	☐
Automatically shut down server:	☐
Download client from update server:	☑
Show when a new server version is available:	☑
Autoupdate clients:	☑
Max simultaneous backups:	100

9. To remove the backup status error, we are going to the command line prompt.

Backup status

(dos_names_created)
MS-DOS 8.3 compatibility names are created on the backup storage. This can lead to problems. You can disable 8.3 name generation by runnning

```
fsutil 8dot3name set C: 1
```

as administrator. UrBackup will stop showing this error after you run this command.
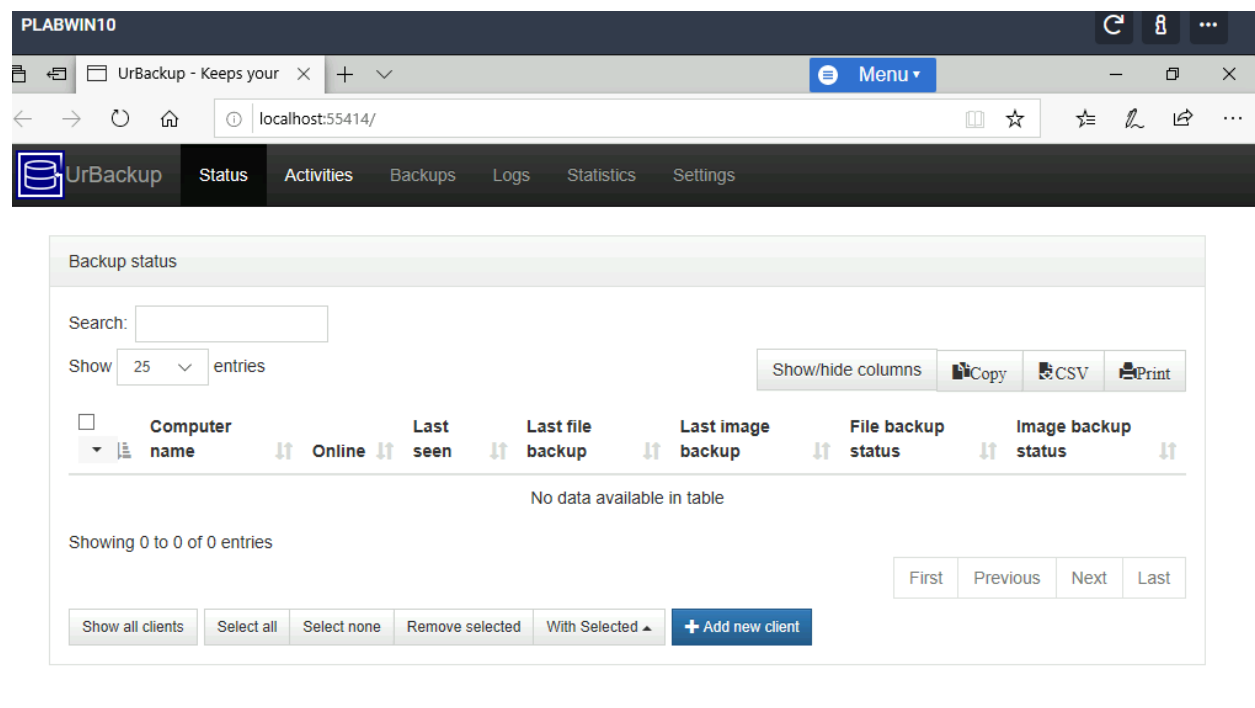
Ok. Stop showing this error

10. Run the command prompt as an administrator. Type the error code as it appears in the previous image. Once entered, the error code will be disabled successfully.

```
Microsoft Windows [Version 10.0.18362.418]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\Administrator>fsutil 8dot3name set C: 1
Successfully disabled 8dot3name generation on C:

C:\Users\Administrator>
```

11. For the installation of Ur Backup on the client workstation computer, repeat steps 1 through 5. The only difference is that you will choose a client installation.

UrBackup is an easy to setup Open Source client/server backup system, that through a combination of image and file backups accomplishes both data safety and a fast restoration time.

Download UrBackup Client
2.5.21 (Windows)

Testing

1. Now we are going to test this application on the workstation computer running urBackup client.

2. Go to This PC > Documents >Create a new folder >. Name this new folder "IMP" and in this folder create a new text document. After creating it, delete the text file. We are going to restore this text file from the incremental backup that is stored remotely on the server.
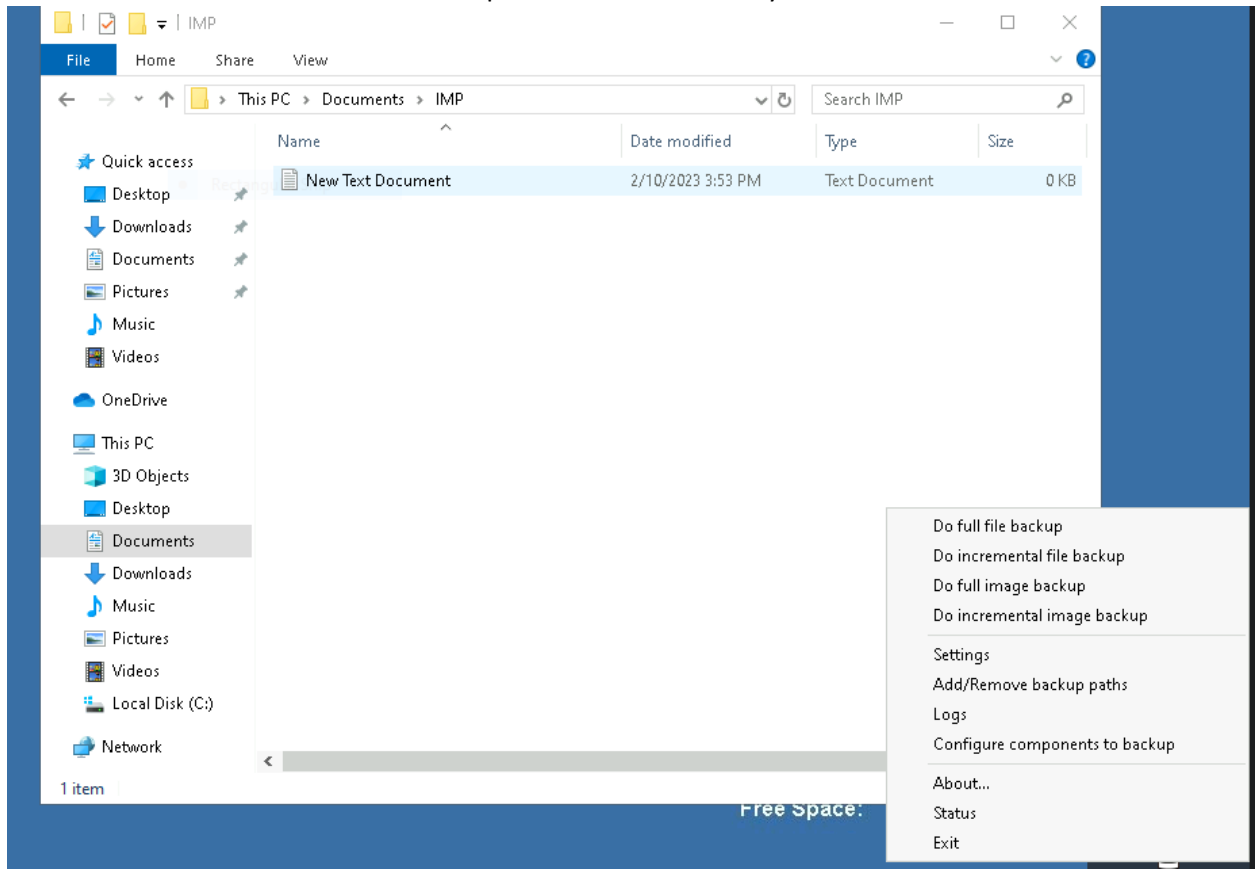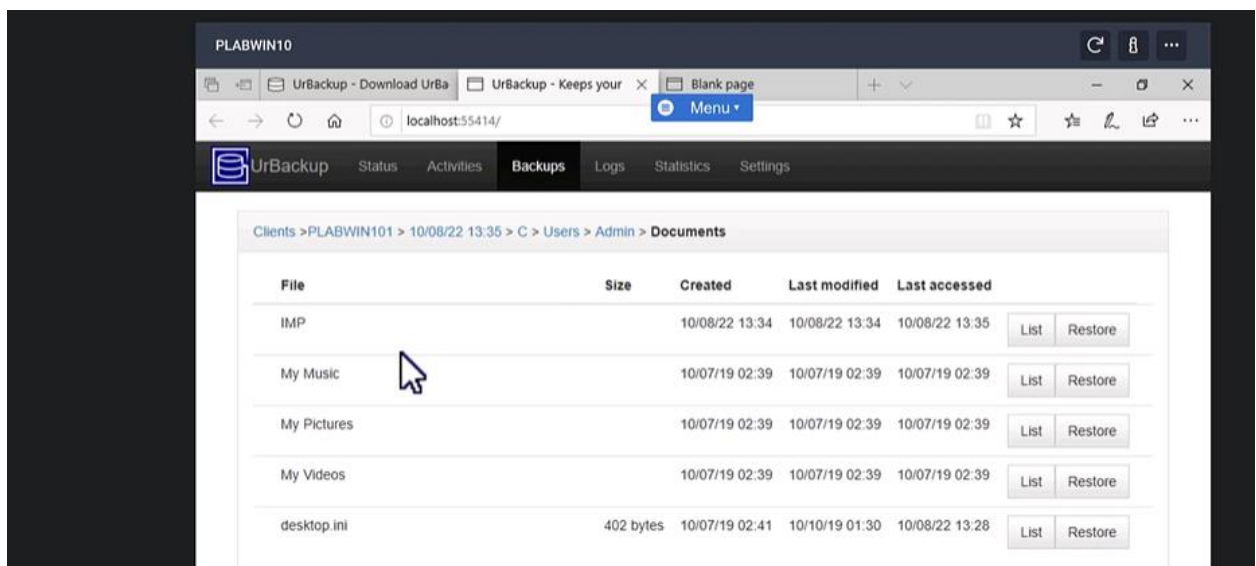

3. Go to task bar. Hit the karat button ^. Right click the UrBackup icon and select Do incremental file backup.
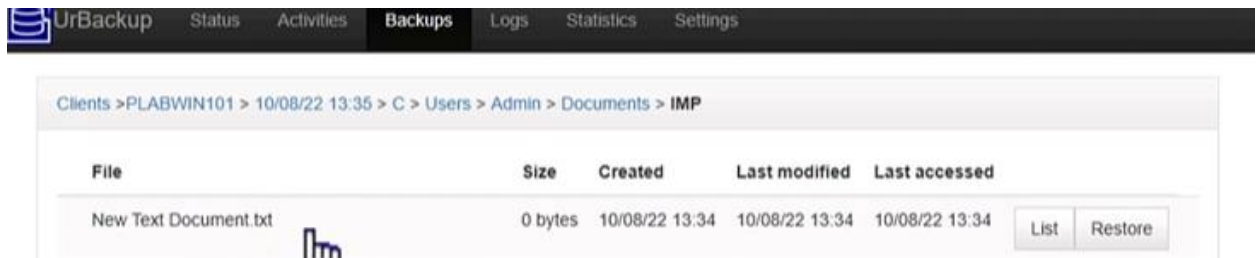

4. Return to the system running UrBackup Server.
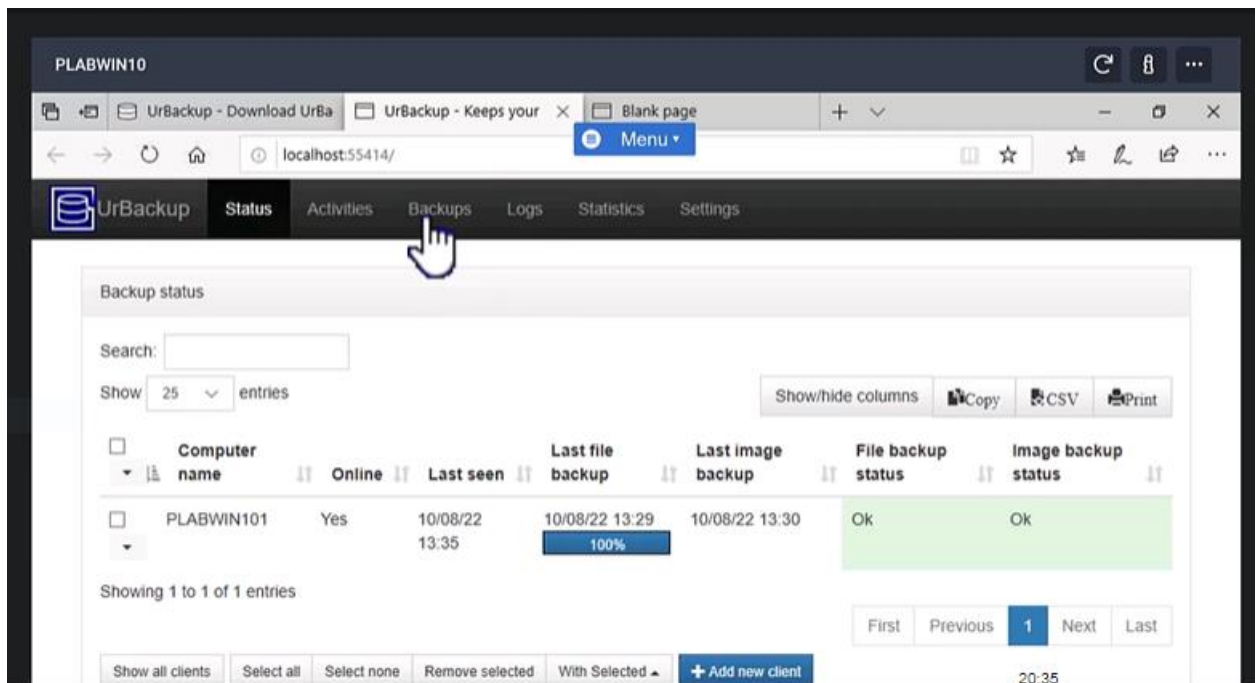
5.Find the backup files for the client computer by selecting the Backups tab. From there, you should find the file labeled "IMP" which is located in C:
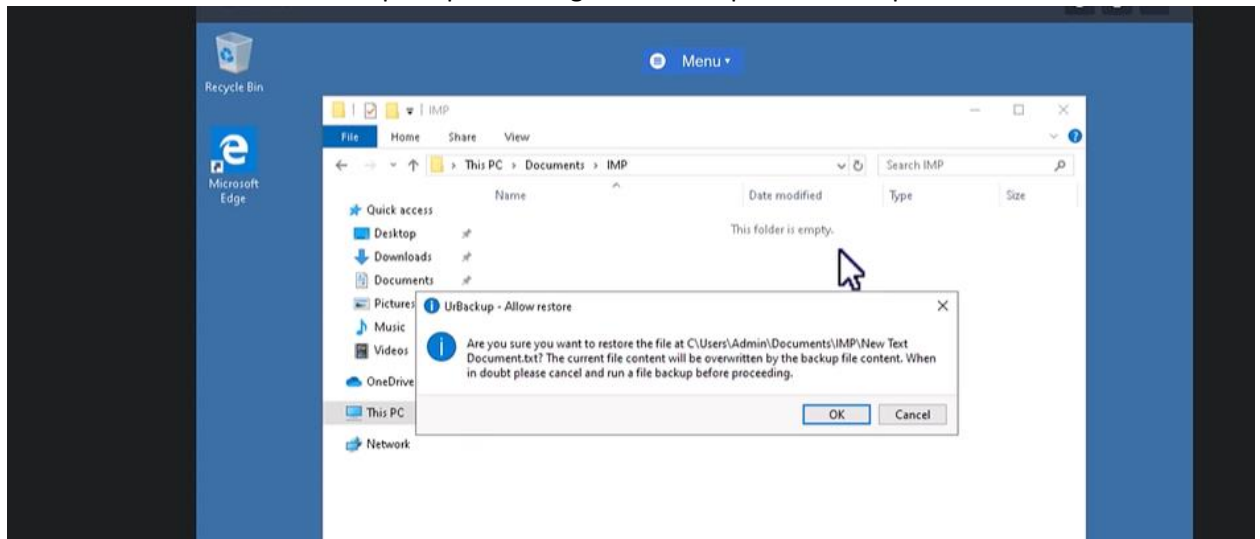

5.

From the C: ,go to Users > Admin > Documents > IMP. Once you enter the IMP directory, you will restore the new text document.

6.

7. The client machine will now be prompted to begin the backup restoration process.

8. The deleted text file has been restored.