D.Y PATIL COLLEGE OF ENGINEERING AKURDI PUNE – 44

DEPARTMENT OF COMPUTER ENGINEERING

LABORATORY PRACTICE – II

CC MINI PROJECT

Cloud Storage Application

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What is Cloud ?

'Cloud' in computer science refers to a network of remote servers accessed over the internet for storing, managing, and processing data and applications. It eliminates the need for physical hardware and infrastructure maintenance, providing scalable and flexible computing resources on-demand. With a pay-as-you-go model, users only pay for the resources they use.

Cloud offers various services like storage, computing, and software development platforms, enabling tasks such as hosting websites, running data analytics, and deploying scalable applications. It brings greater flexibility, scalability, reliability, and accessibility, while reducing infrastructure costs and maintenance efforts, transforming the field of computer science.

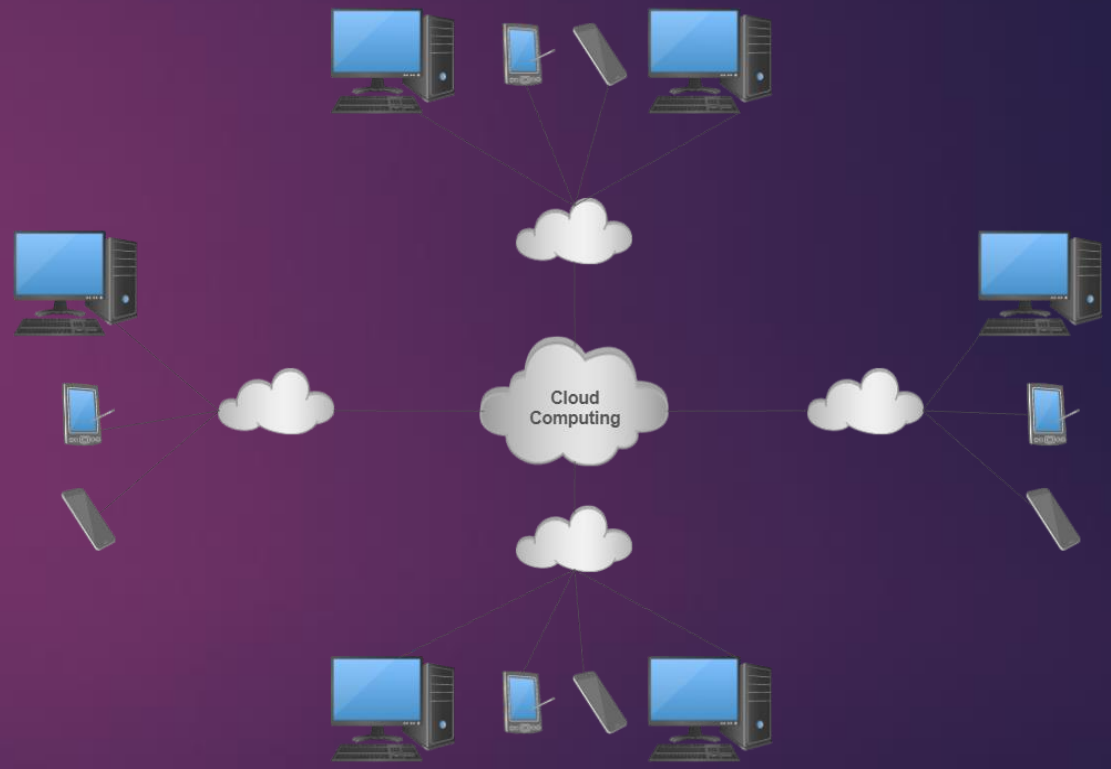
Importance of Cloud Computing

Cloud computing holds immense importance in the realm of technology and has revolutionized the way we approach computing. Its significance lies in its ability to provide scalable and flexible computing resources on-demand, eliminating the need for physical infrastructure and hardware maintenance. This accessibility to vast amounts of storage, computational power, and software tools allows businesses and individuals to leverage powerful resources without heavy upfront investments. Cloud computing offers benefits such as cost-effectiveness, agility, reliability, and global accessibility. It enables seamless collaboration, rapid deployment of applications, and the ability to scale resources as needed, empowering organizations to innovate, streamline operations, and focus on core business activities while reducing costs and complexities associated with traditional IT infrastructure.

What are we using in this mini-project ?

1. OPEN SOURCE CLOUD SOFTWARE
   - SOFTWARE: OWNCLOUD

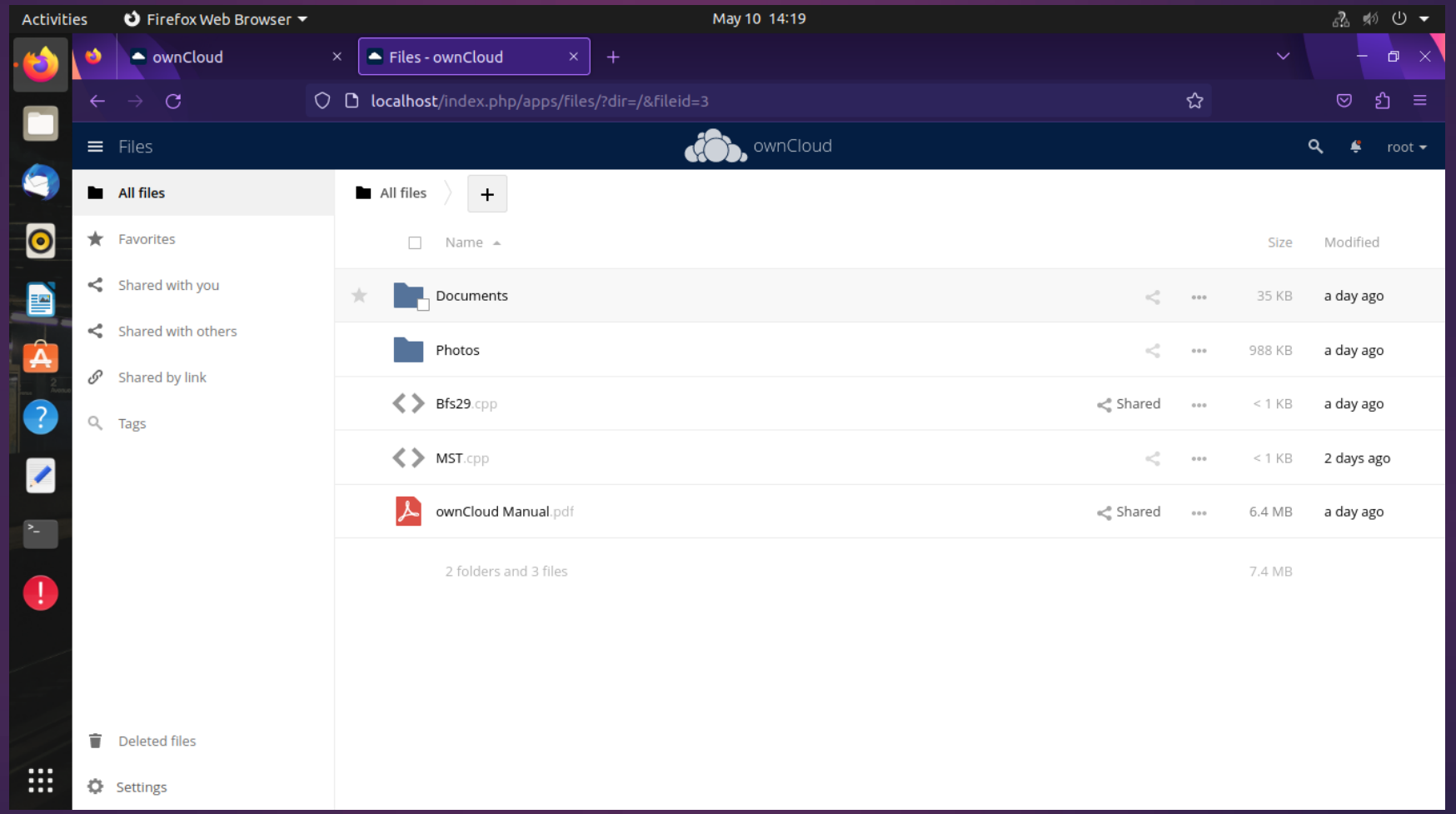
2. LAB'S LOCAL AREA NETWORK
   - CLOUD SERVER ON A LOCAL MACHINES.

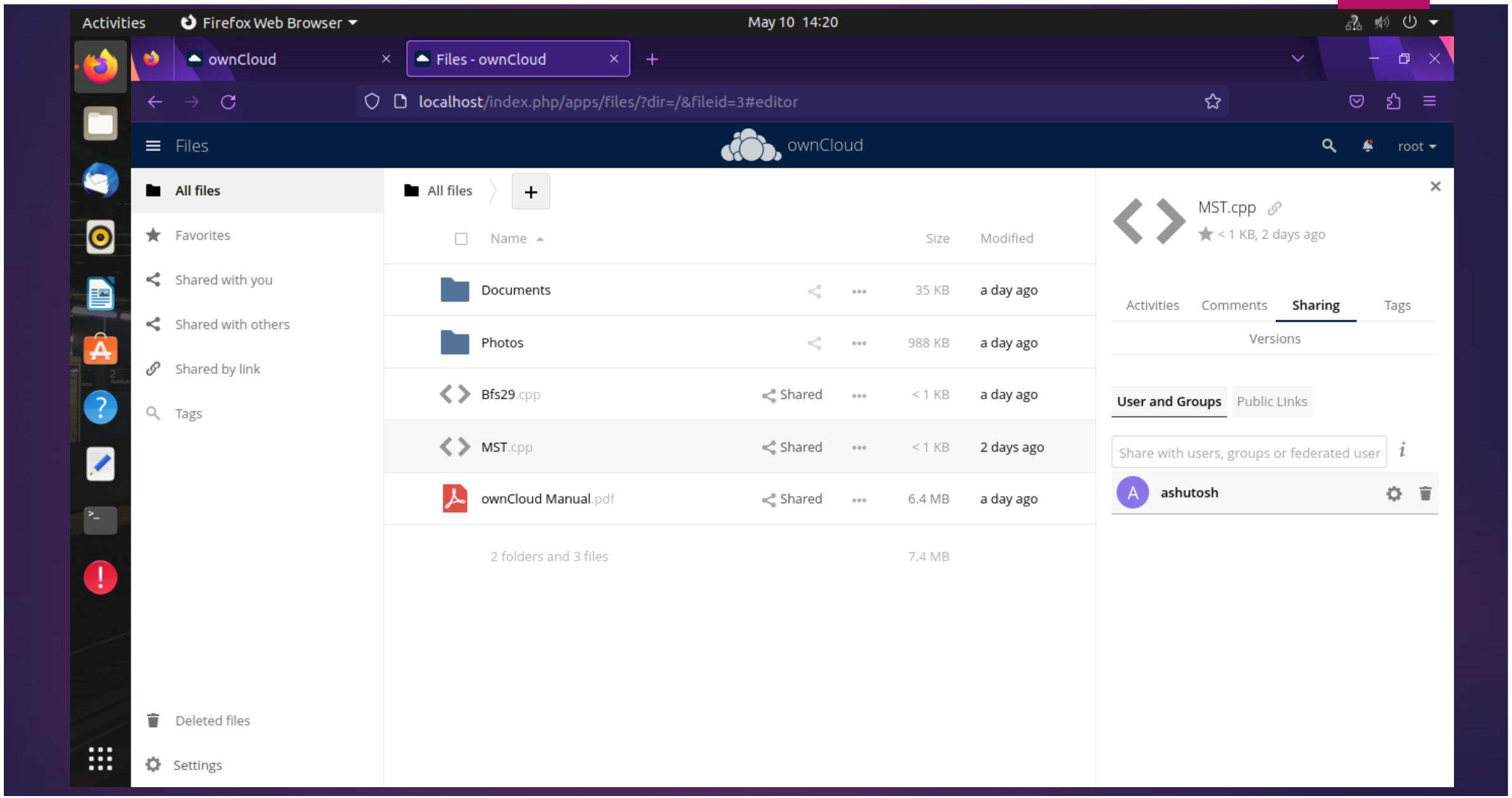


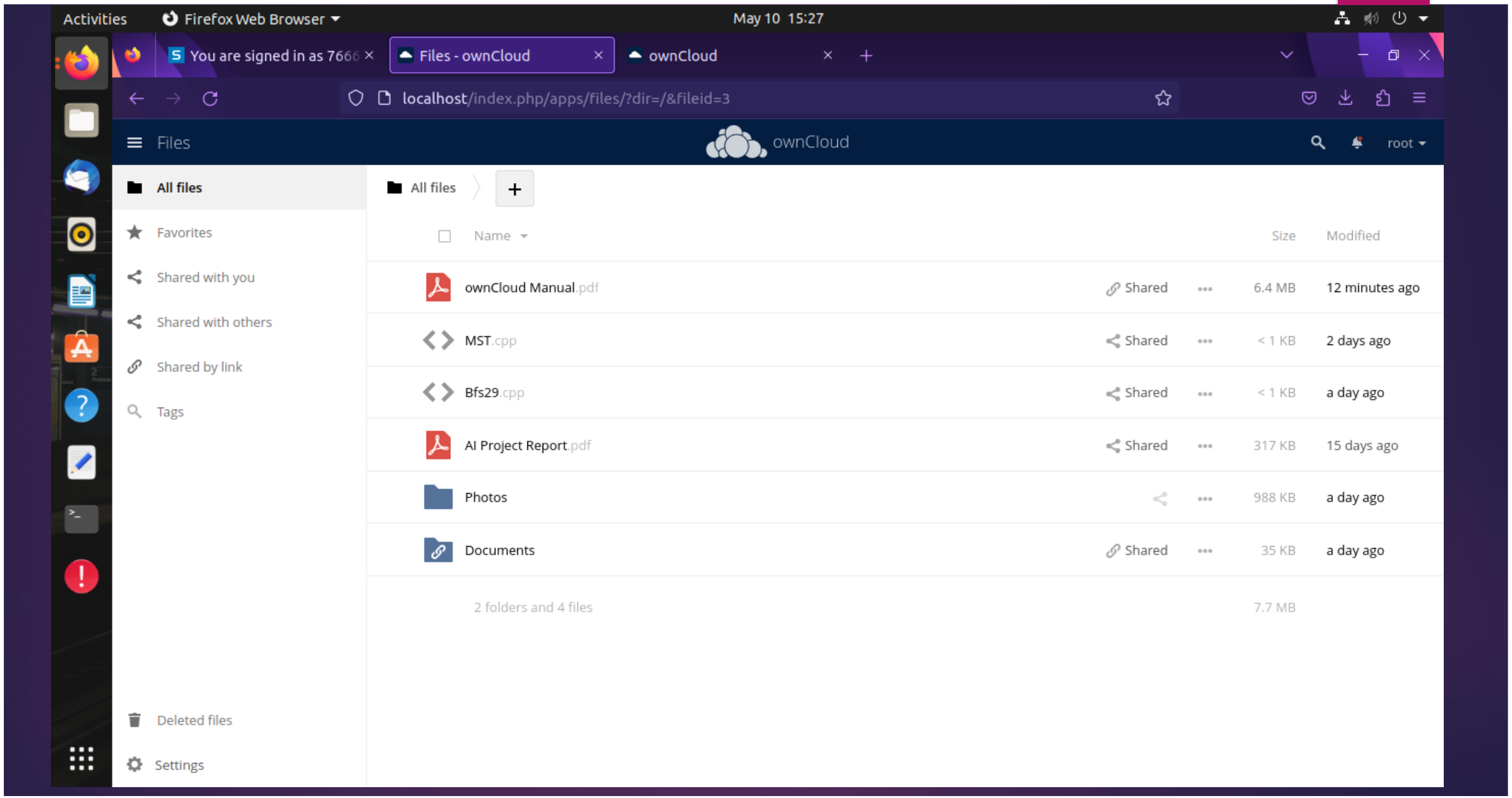
Steps performed:

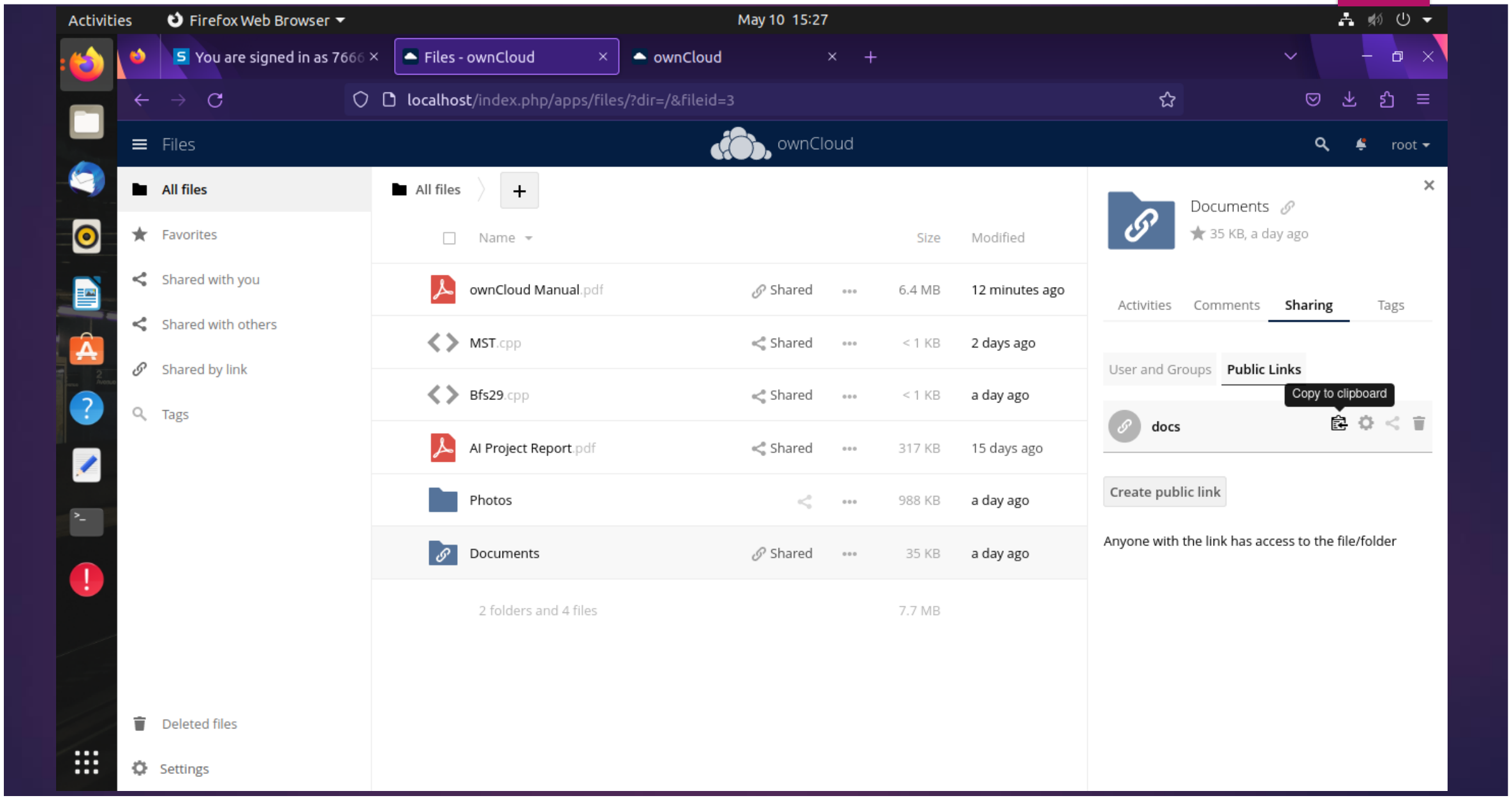
1. DOWNLOADED OWNCLOUD.BASH FROM: GITHUB.COM/LINUXSYR/OWNCLOUD
2. CHMOD PERMISSION GIVEN TO OWNCLOUD.BASH, COMMAND: 'CHMOD +X OWNCLOUD.BASH'
3. RUN OWNCLOUD.BASH, COMMAND: 'SUDO BASH ./OWNCLOUD.BASH'
4. ADD PPA FOR PHP 7.4, COMMAND: 'SUDO ADD-APT-REPOSITORY PPA:ONDREJ/PHP'
5. GO TO LOCALHOST IN THE BROWSER. CONFIGURE DATABASE UNDER LOGIN.
6. LOGIN TO OWNCLOUD WITH LOCALHOST FROM BROWSER, USING ROOT USER AND PASSWORD SETUP EARLIER.
7. DEMONSTRATE AND PERFORM UPLOAD DOWNLOAD WITH MULTIPLE USERS.

Output Screenshots :




Activities
Firefox Web Browser
May 10 14:20
ownCloud
Files - ownCloud
localhost/index.php/apps/files/?dir=/&fileid=3#editor
Files
ownCloud
root
All files
Favorites
Shared with you
Shared with others
Shared by link
Tags
Deleted files
Settings
All files
Name
Size
Modified
Documents
35 KB
a day ago
Photos
988 KB
a day ago
Bfs29.cpp
Shared
< 1 KB
a day ago
MST.cpp
Shared
< 1 KB
2 days ago
ownCloud Manual.pdf
Shared
6.4 MB
a day ago
2 folders and 3 files
7.4 MB
MST.cpp
< 1 KB, 2 days ago
Activities
Comments
Sharing
Tags
Versions
User and Groups
Public Links
Share with users, groups or federated user
ashutosh


Activities
Firefox Web Browser
May 10 15:27
You are signed in as 7666
Files - ownCloud
ownCloud
localhost/index.php/apps/files/?dir=/&fileid=3
Files
ownCloud
root
All files
Favorites
Shared with you
Shared with others
Shared by link
Tags
Deleted files
Settings
All files
Name
Size
Modified
ownCloud Manual.pdf
Shared
6.4 MB
12 minutes ago
MST.cpp
Shared
< 1 KB
2 days ago
Bfs29.cpp
Shared
< 1 KB
a day ago
AI Project Report.pdf
Shared
317 KB
15 days ago
Photos
988 KB
a day ago
Documents
Shared
35 KB
a day ago
2 folders and 4 files
7.7 MB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You are signed in as 7666
Files - ownCloud
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localhost/index.php/apps/files/?dir=/&fileid=3
Files
ownCloud
root
All files
Favorites
Shared with you
Shared with others
Shared by link
Tags
Deleted files
Settings
All files
Name
Size
Modified
ownCloud Manual.pdf Shared 6.4 MB 12 minutes ago
MST.cpp Shared < 1 KB 2 days ago
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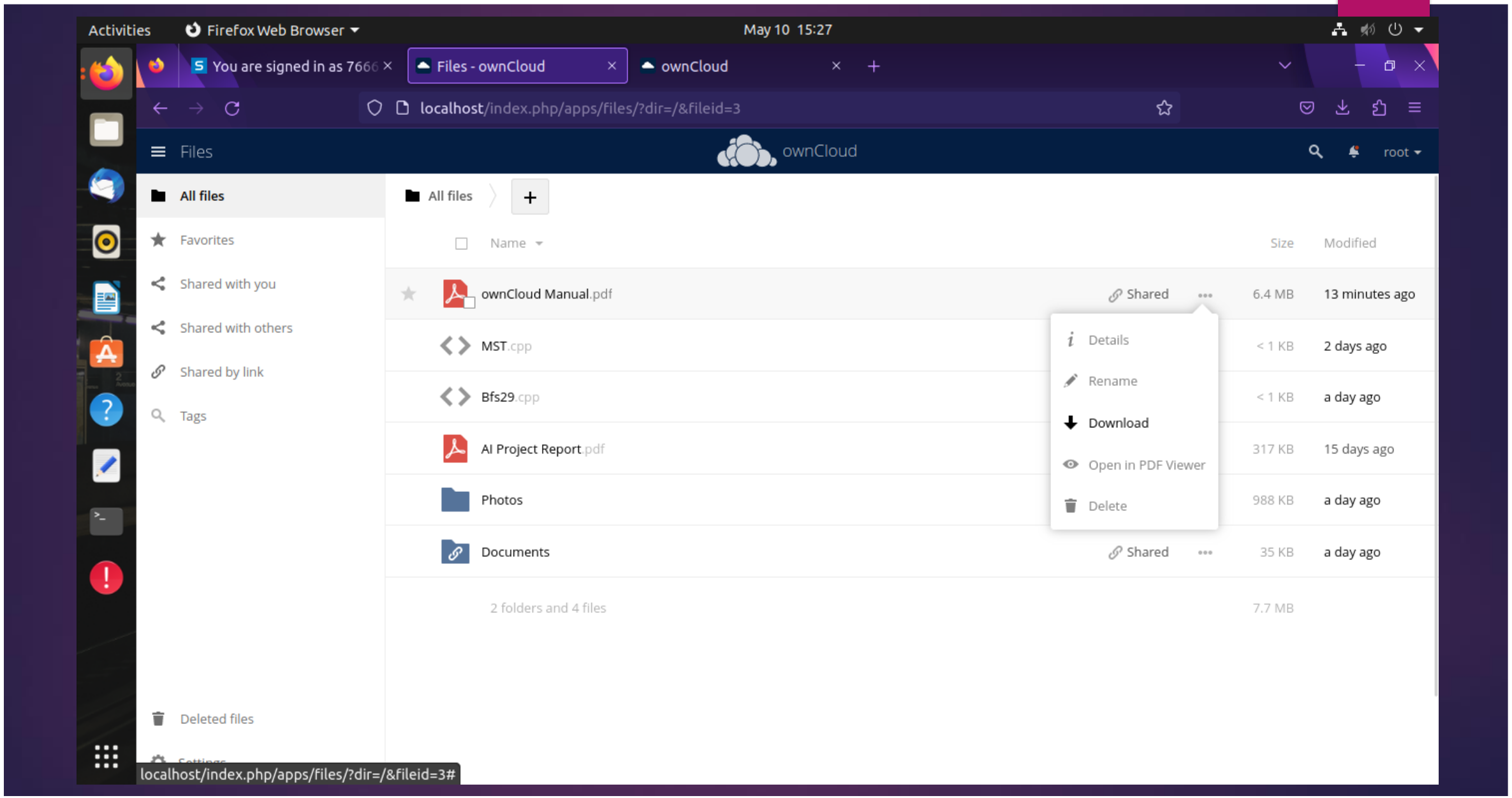
Photos 988 KB a day ago
Documents Shared 35 KB a day ago
2 folders and 4 files 7.7 MB
Documents
35 KB, a day ago
Activities
Comments
Sharing
Tags
User and Groups
Public Links
Copy to clipboard
docs
Create public link
Anyone with the link has access to the file/folder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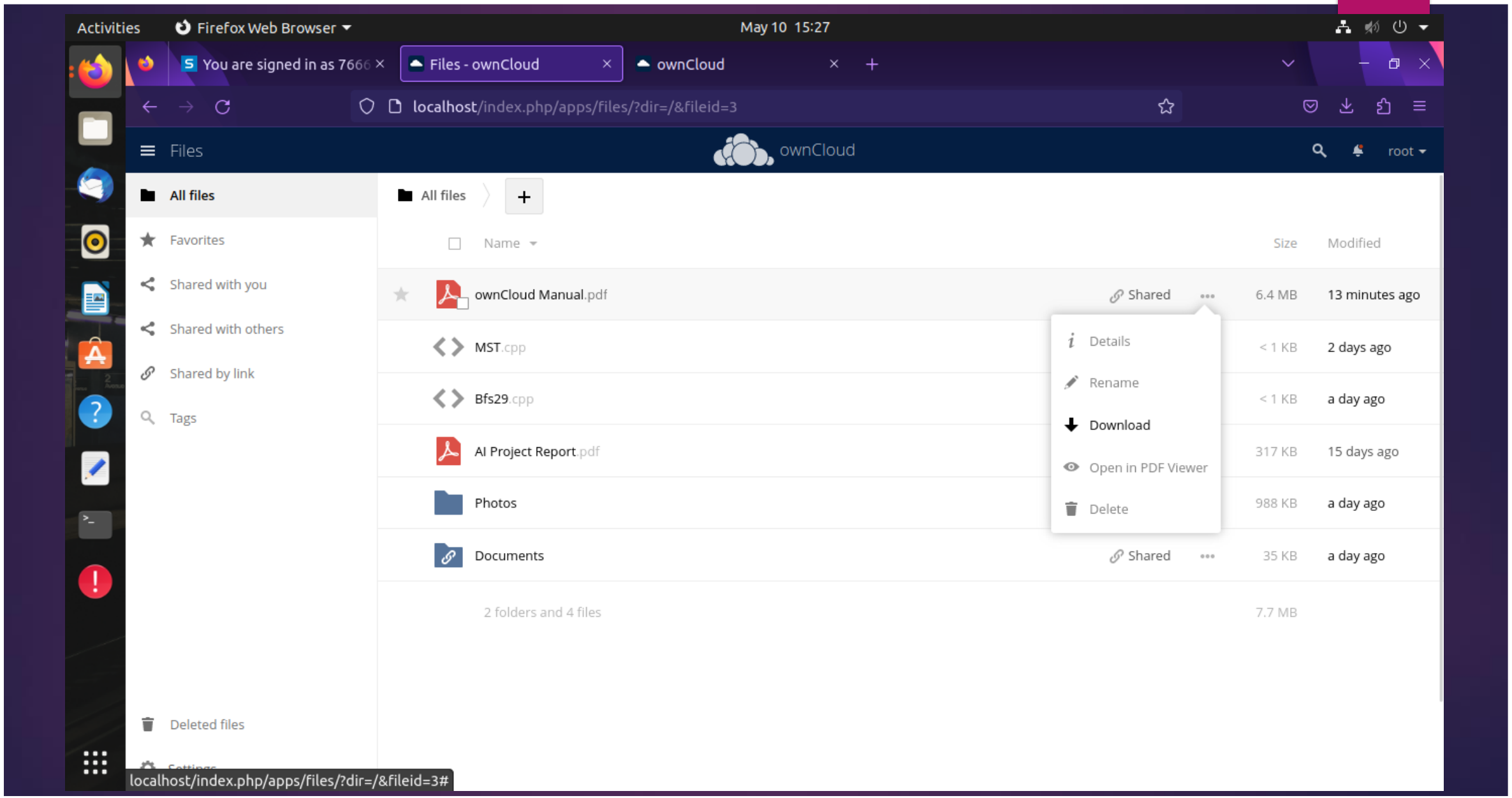
Details
Rename
Download
Open in PDF Viewer
Delete
localhost/index.php/apps/files/?dir=/&fileid=3#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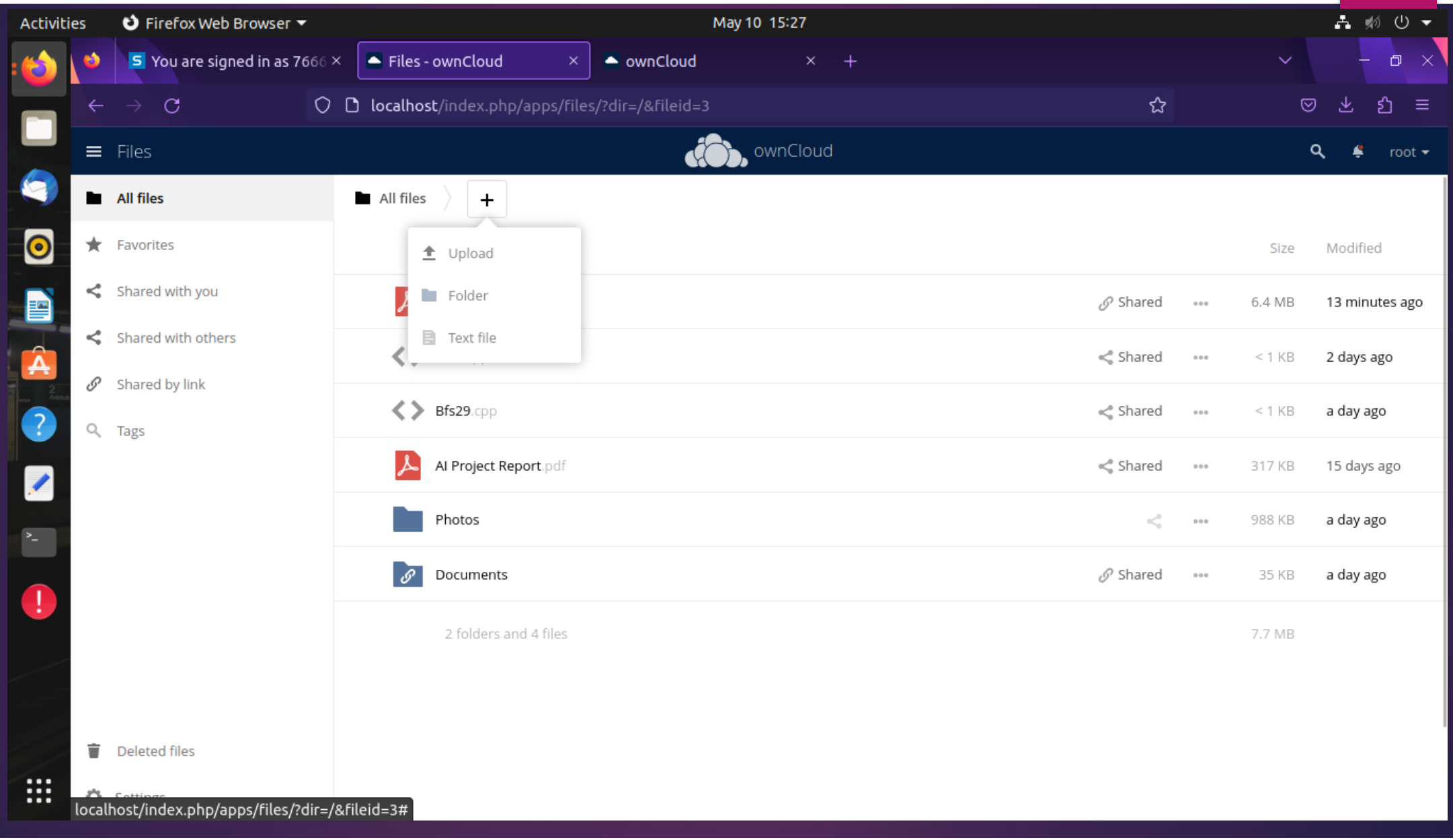
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THANK YOU !