Bachelor of Information and Communication Technology

CTNT 32042

Advanced Communication Networks
(2022/2023)

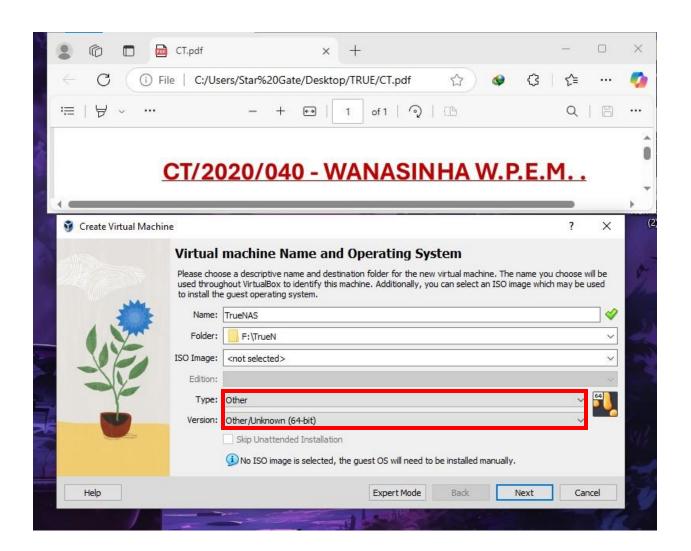
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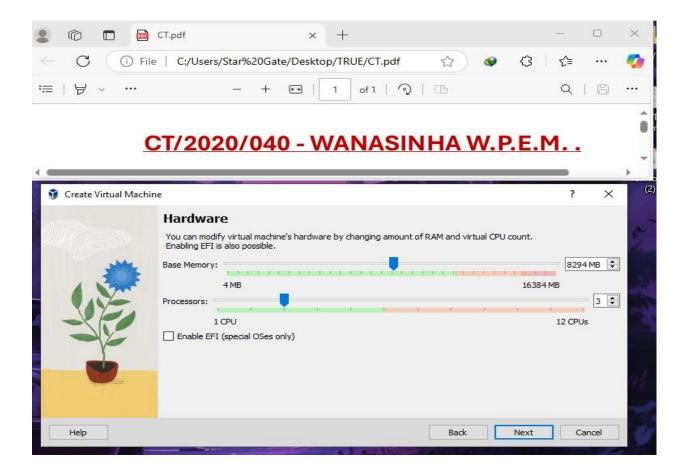


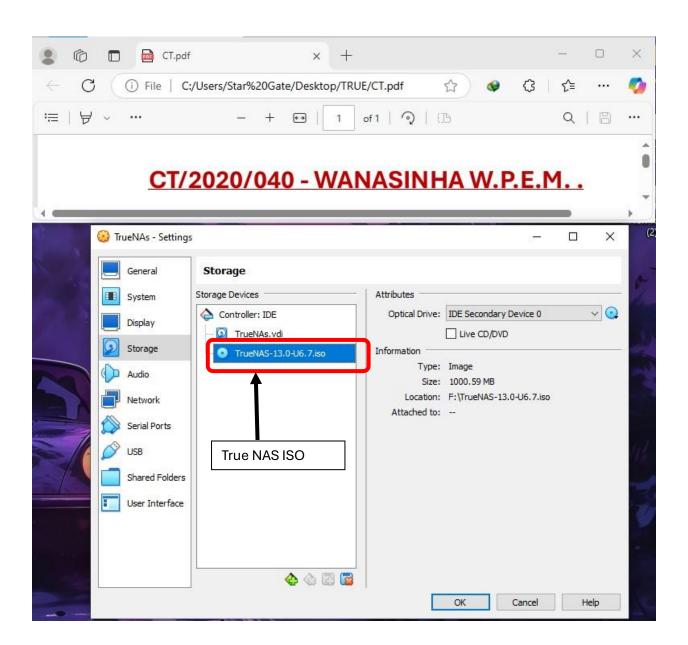
Step 1: Download TrueNAS Core ISO

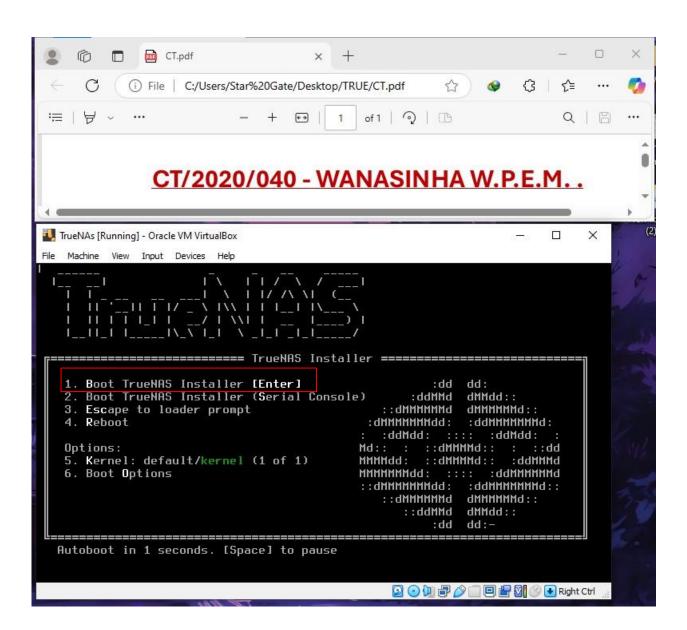
- 1. Go to the TrueNAS Core website.
- 2. Download the latest TrueNAS Core ISO.

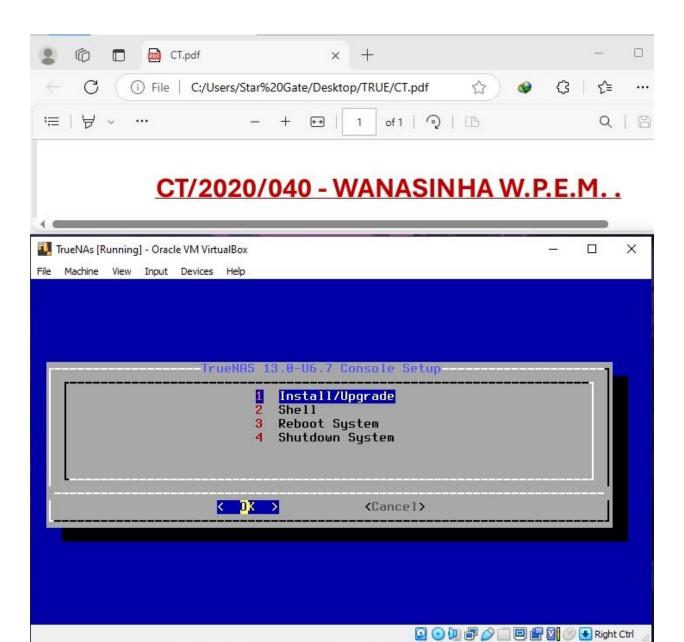
Step 2: Create a Virtual Machine

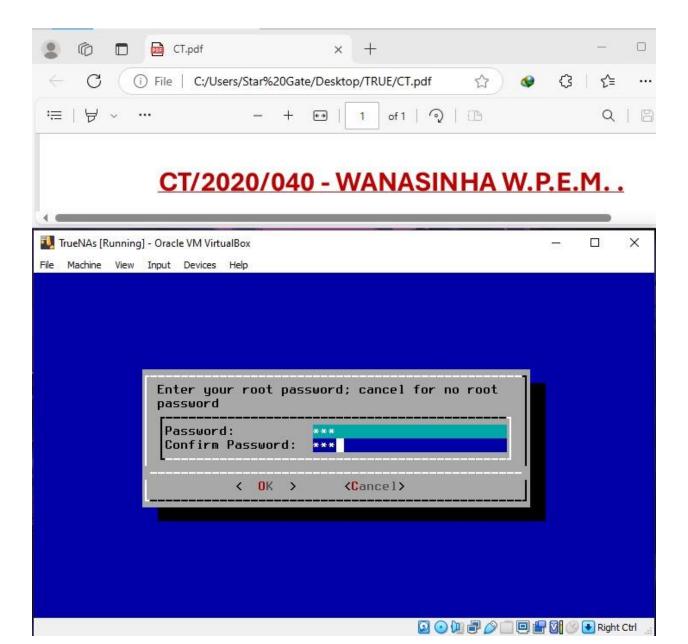


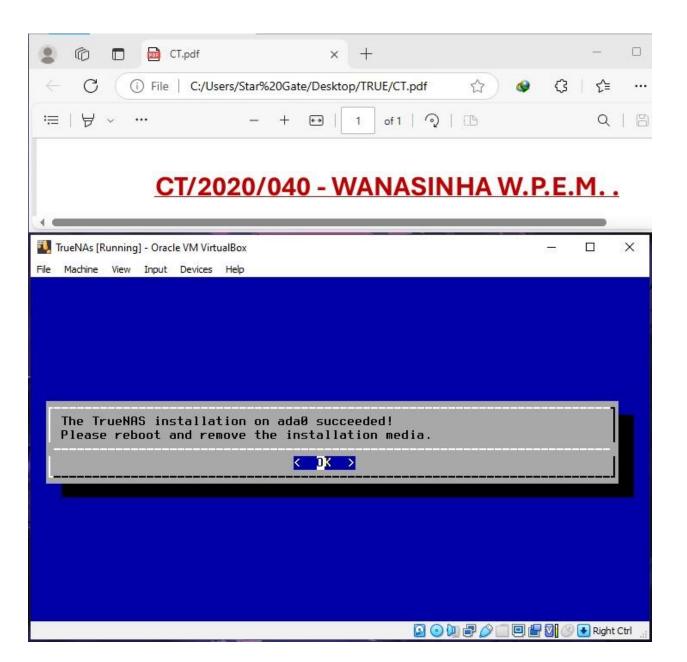




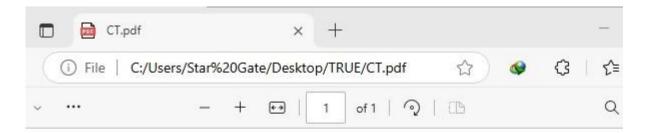




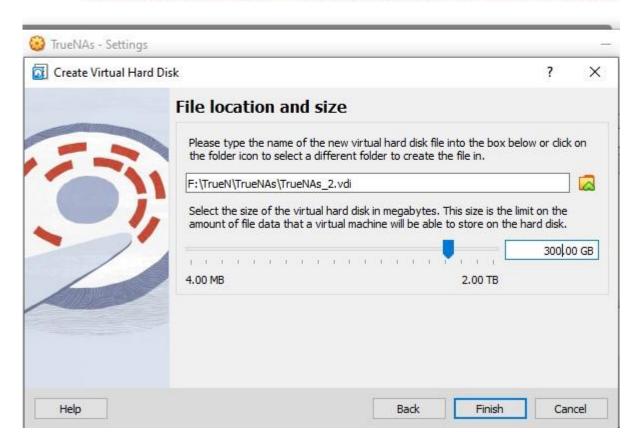




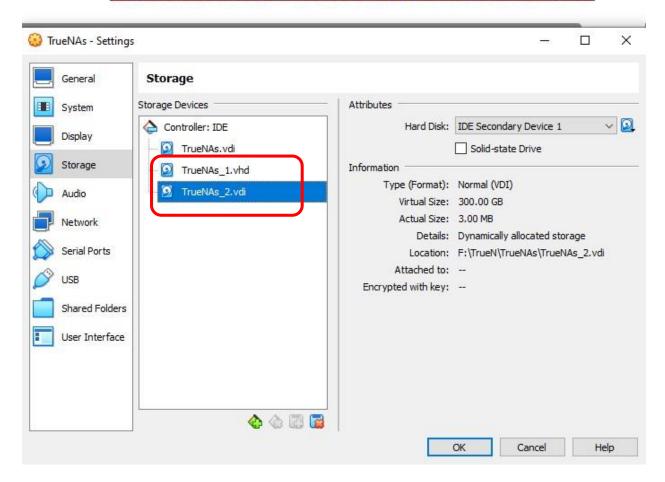
dynamic disks of the same size (allocate at least 300GB in total).



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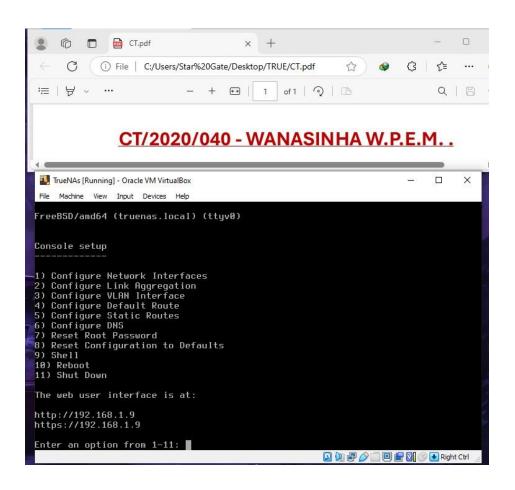


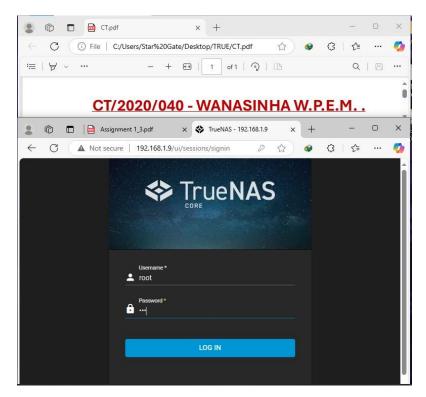
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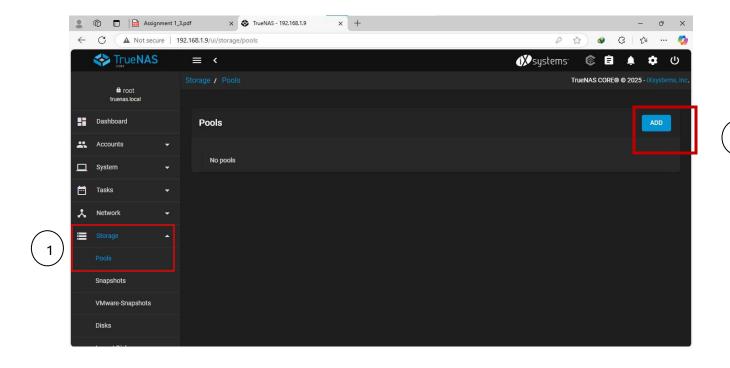
Once installation is complete, remove the ISO and reboot.

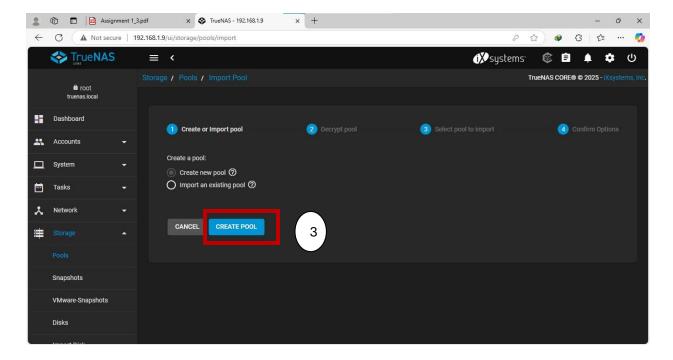
True NAS Core is running



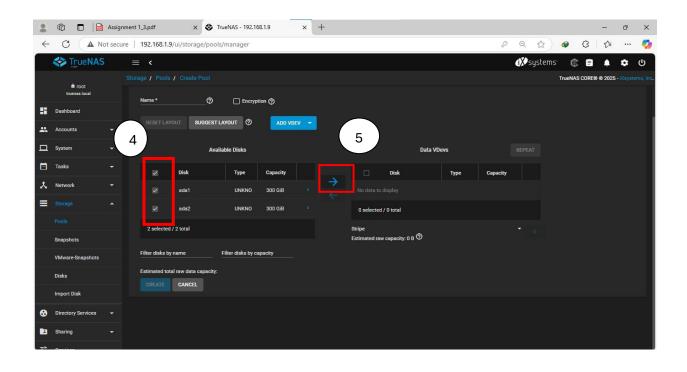


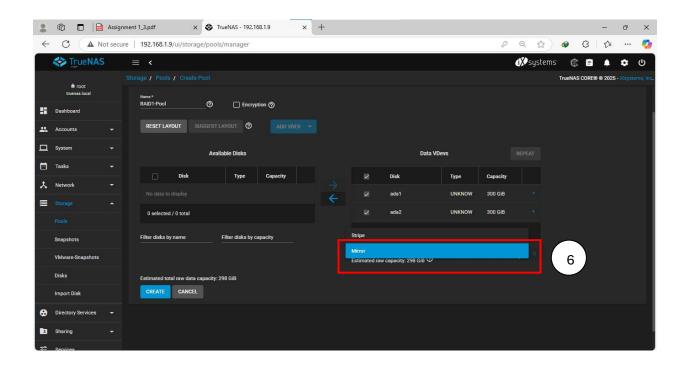
Create a storage pool

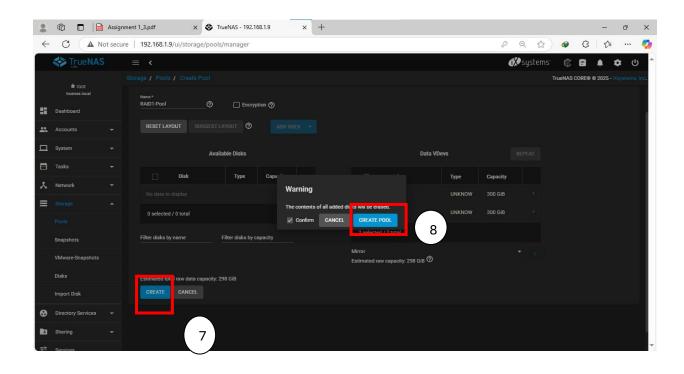


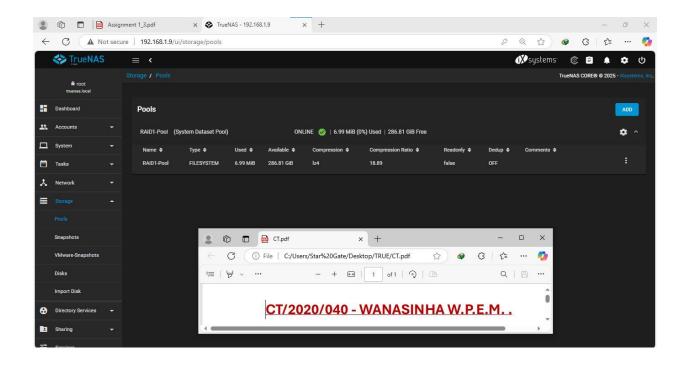


2



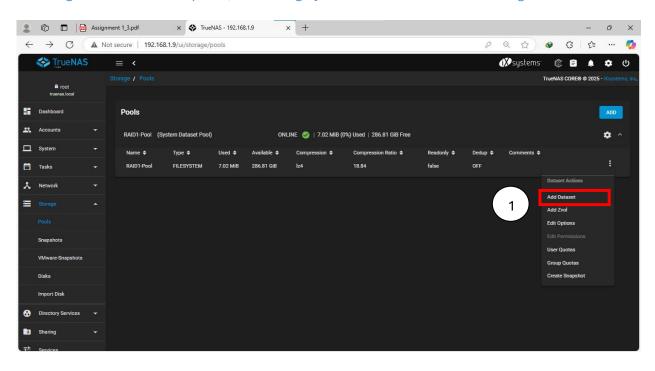


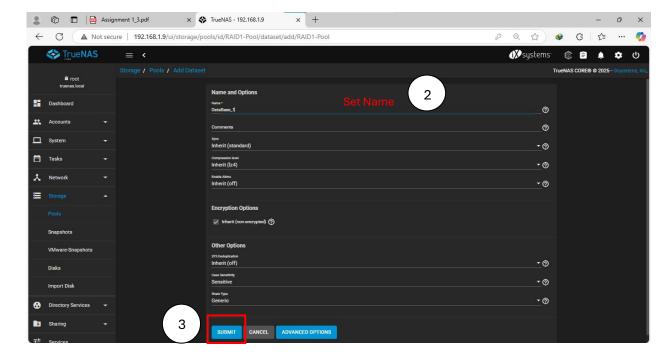


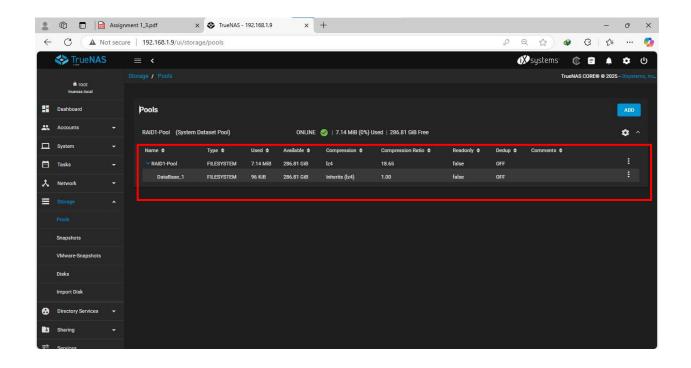


Create a Dataset After Creating a Pool

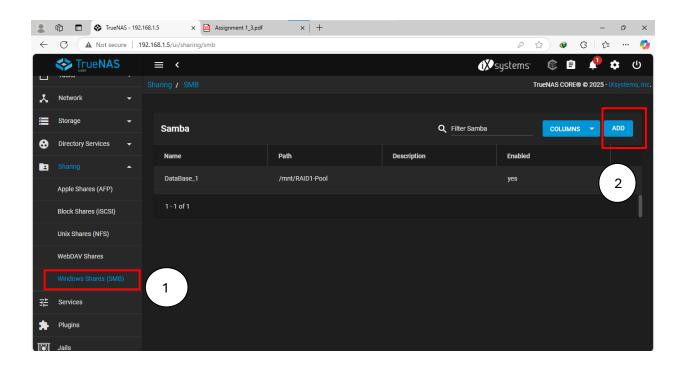
Creating a dataset is not required, but it is highly recommended for better management.

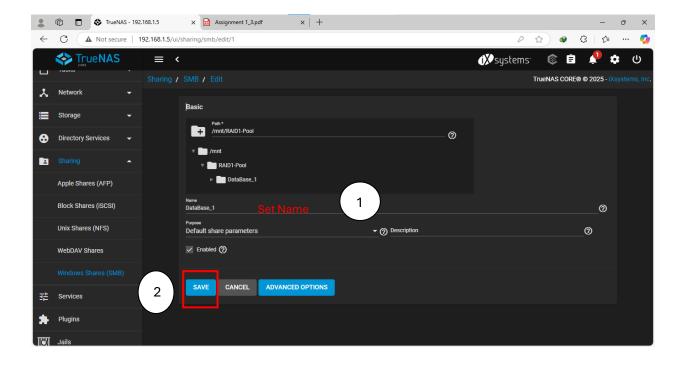




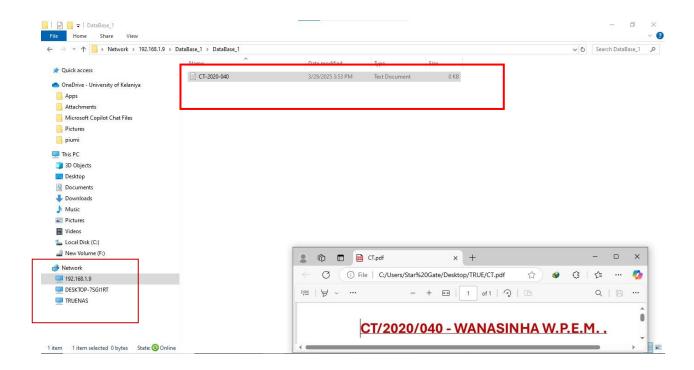


Create a Windows file share.

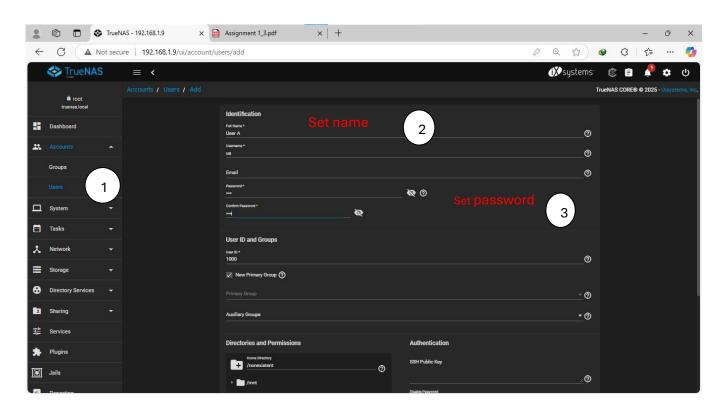


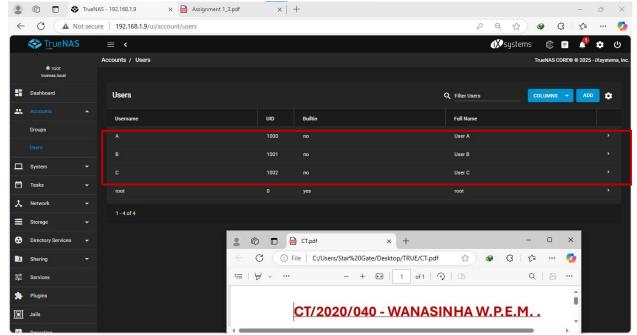


Upload a text file containing your index number to the file share.

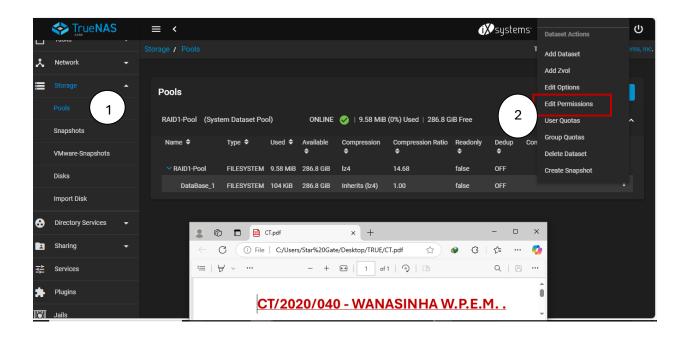


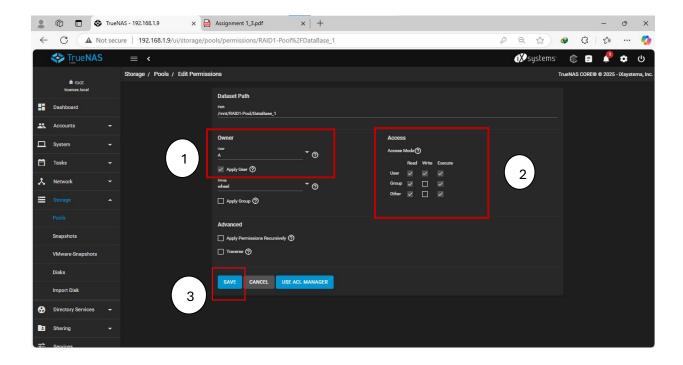
Create the users





Permissions and Access Control

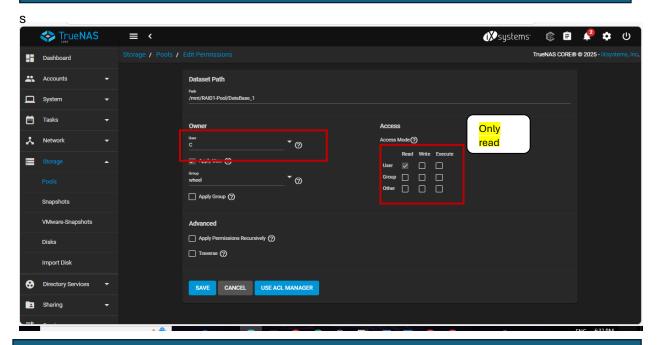




Grant read-only accesses to User C for the shared folder.

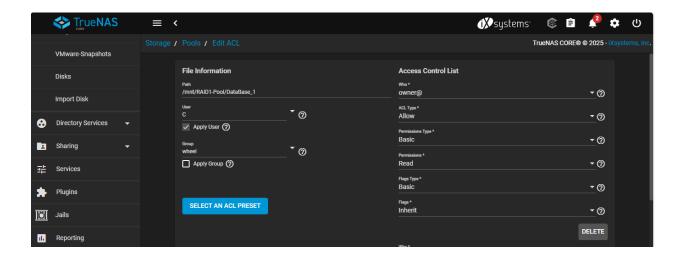
Basic UNIX Permissions

Uses **traditional UNIX-style permissions** (Owner, Group, Other) with **Read, Write, and Execute** checkboxes.

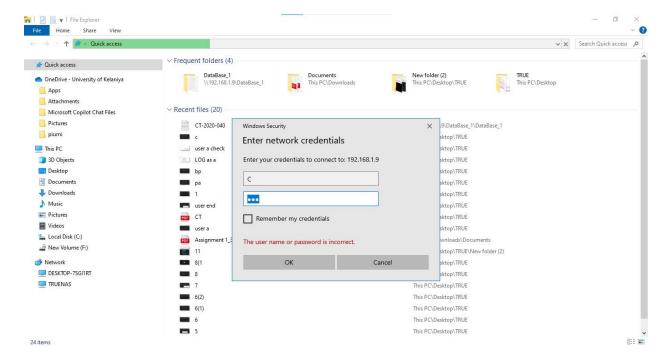


ACL (Access Control List) Management

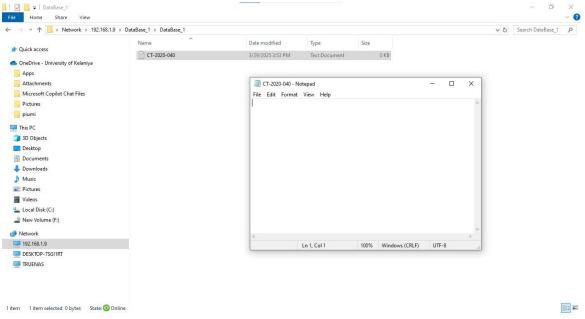
More **flexible** and recommended for complex permission structures, especially for **Windows SMB** shares.



LOG AS C

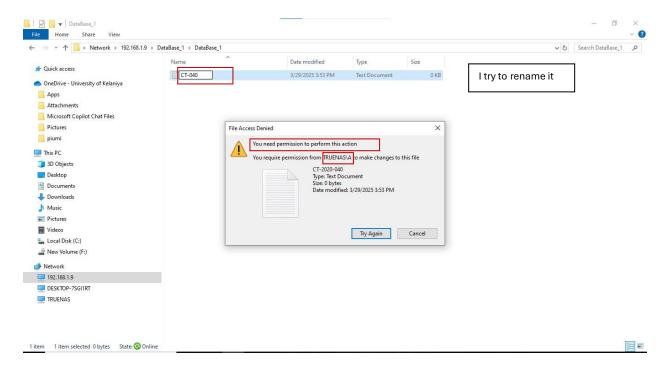


Open the text file.



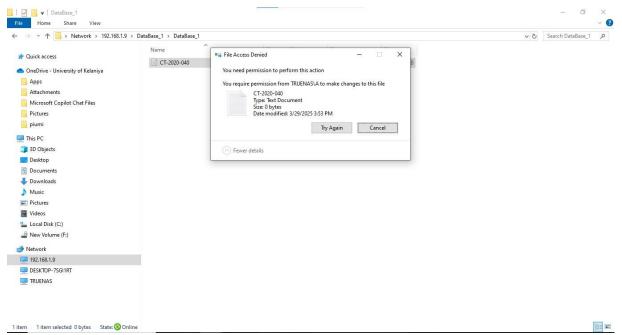
It opens without any errors

Modify the text file.



It cannot be modified.

Delete the text file.



It cannot be Delete