PURDUE
UNIVERSITY®

Computer Graphics Technology
Polytechnic Institute   CGT 575 / ASM 591 Data Visualization Tools & Applications   Spring 2023
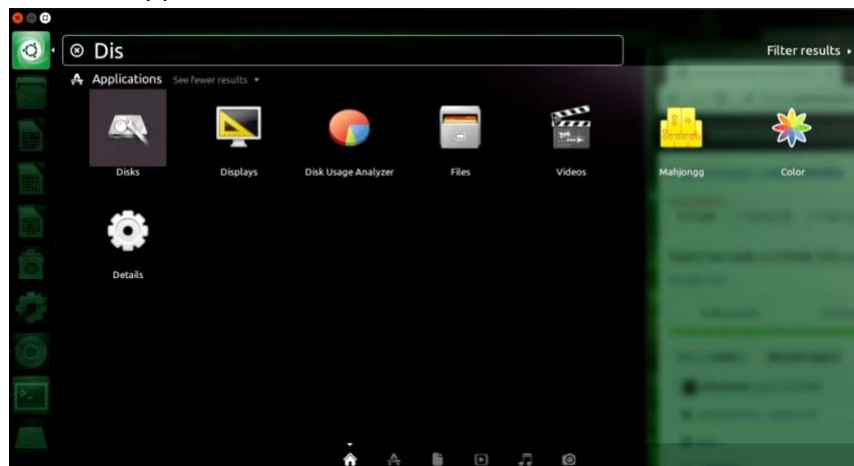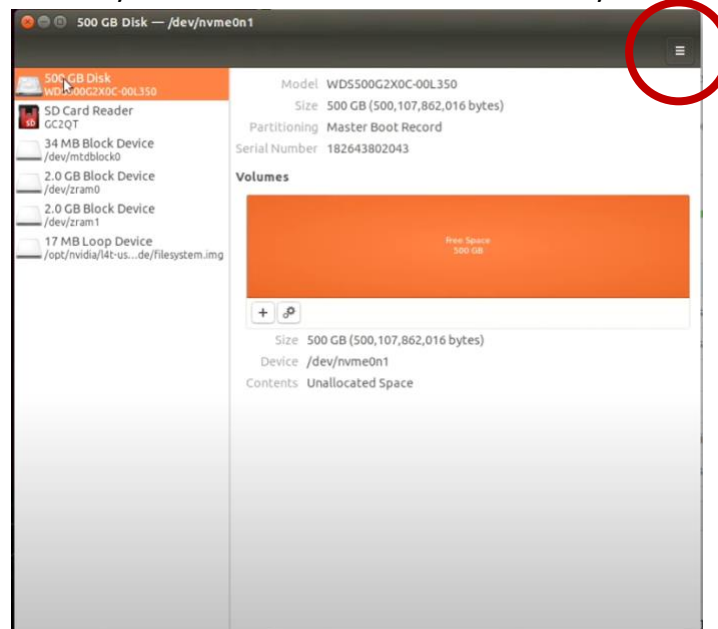
Increasing Edge Device Storage Using the Installed SSD

The following video will guide you to enable the SSD and create the partition using these following steps: https://www.youtube.com/watch?v=ZK5FYhoJqIg&t=2s

1. in the top left corner, click the menu button
2. search: "disks"
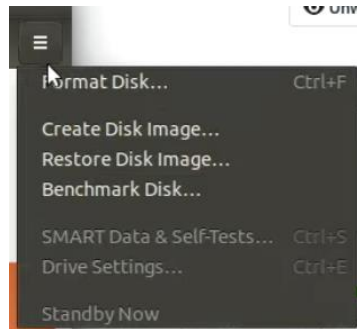3. open the "disks" application

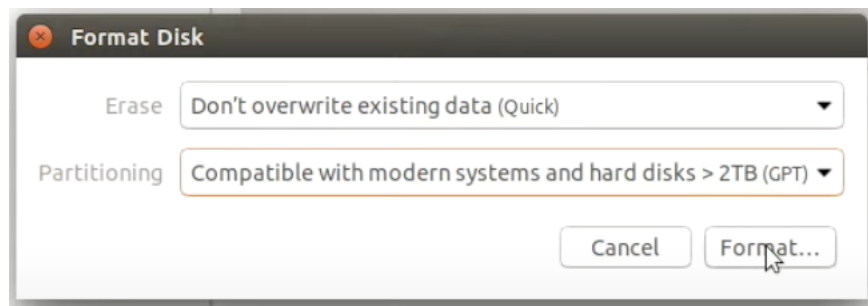4. click on the first disk that you see as shown below. Ours will say "256 GB Disk"

5. click the "three bar" button on the top right corner of the window (circled in **RED** above)
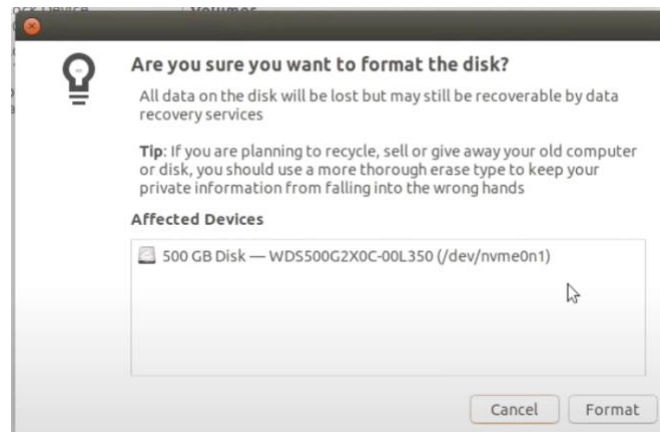6. click on "Format disk..."

Instructors:
Dr. Vetria Byrd (vlbyrd@purdue.edu)
Dr. Dharmendra Saraswat (saraswat@purdue.edu)
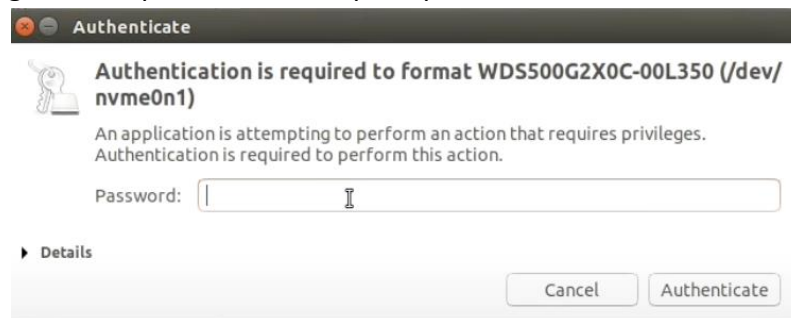Aanis Ahmad (ahmad31@purdue.edu)

7. a prompt will open so click "Format..."

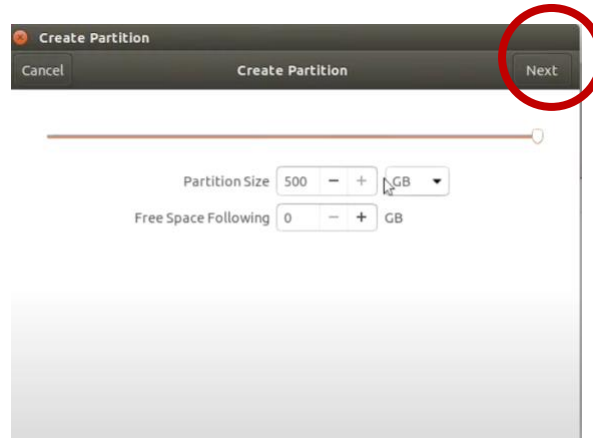8. once again click "Format" when it asks for confirmation

9. Enter your Edge Device password when prompted and click "Authenticate"
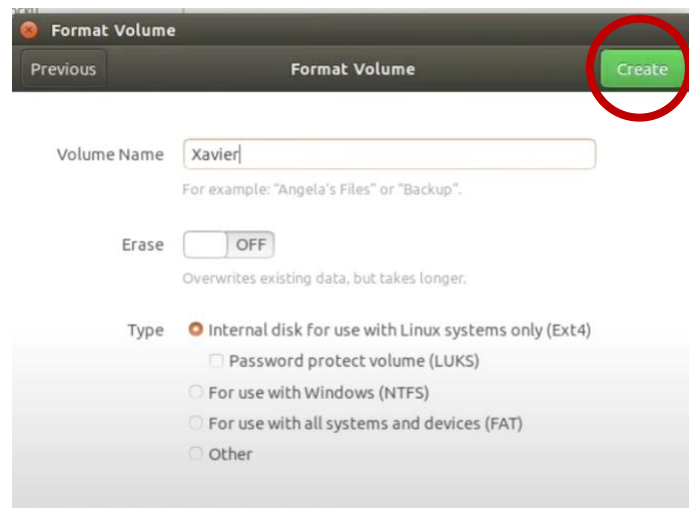

10. For **"Partition Size" in our case, use 192 GB** ("Free Space Following" will be 64 GB):

Instructors:
Dr. Vetria Byrd (vlbyrd@purdue.edu)
Dr. Dharmendra Saraswat (saraswat@purdue.edu)
Aanis Ahmad (ahmad31@purdue.edu)

11. click "Next" circled in **RED** above

12. name the volume: **"XavierNX256"**

13. Click on the green **"Create"** button circled in **RED** above

14. now open terminal by "right clicking" on the Desktop and enter: "git clone https://github.com/jetsonhacks/rootOnNVMe.git"

15. then in the terminal enter: "cd rootOnNVMe"

16. then enter: "./copy-rootfs-ssd.sh" (this will take ~ 5 mins)

17. then enter: "./setup-service.sh"

18. then restart the edge device

19. All the libraries will have automatically transfered and you should have approximately 160 GB now.

Instructors:

Dr. Vetria Byrd (vlbyrd@purdue.edu)

Dr. Dharmendra Saraswat (saraswat@purdue.edu)

Aanis Ahmad (ahmad31@purdue.edu)