**To increase the swap space to 4GB on AlmaLinux**

# **YOU CAN FOLLOW THESE STEPS:**

**1. Check Current Swap Space**

First, check the current swap space to understand your system's current configuration.

# sudo swapon --show

# free –h

**2. Turn Off Swap**

If you have existing swap space, you need to turn it off before resizing.

# sudo swapoff –a

**3. Create a New Swap File**

Create a new swap file of the desired size (4GB in this case).

# sudo dd if=/dev/zero of=/swapfile bs=1G count=4

**4. Set the Correct Permissions**

Set the correct permissions for the swap file.

# sudo chmod 600 /swapfile

**5. Make the File a Swap Space**

Set up the file as swap space.

# sudo mkswap /swapfile

**6. Enable the Swap File**

Enable the swap file so that it is used as swap space.

# sudo swapon /swapfile

**7. Verify the Swap Space**

Verify that the new swap space is active.

# sudo swapon --show

# free –h

**8. Make the Swap Space Permanent**

To make the change permanent, add the swap file to /etc/fstab.

# echo '/swapfile none swap sw 0 0' | sudo tee -a /etc/fstab

**Additional Considerations**

If you previously had a swap partition or another swap file, you might want to remove its entry from /etc/fstab to avoid conflicts. Open /etc/fstab with a text editor:

# sudo nano /etc/fstab

Remove any lines referencing the old swap file or partition.

**Re-enable the Swap Space**

After modifying /etc/fstab, you can re-enable the swap space.

# sudo swapon –a

By following these steps, you should have successfully increased your swap space to 4GB on AlmaLinux.