

# Expanding the Disk on a FileWave Appliance - Debian

This article provides steps for extending the root partition residing in a logical volume created with Logical Volume Manager (LVM) in a virtual machine running on Debian.

## Step-by-step guide for Debian

The commands to expand the disk on Debian are as follows. Perform the commands as root or use sudo before each command and know that these are meant for the FileWave Appliance images. If you use your own Debian install you can still expand your partitions but the names of the disks and partitions will differ so you'll need to adjust the commands used.

```
# Make sure the tools are present
sudo apt update
sudo apt install -y cloud-guest-utils

# Extend the partitions
sudo growpart /dev/sda 2 || true

# Older Appliances will use the next 2 lines
# If you get an error for them then you should
# try the next 2 lines.
sudo growpart /dev/sda 5 || true
sudo pvresize /dev/sda5

# Newer Appliances will use the next 2 lines
# Do these if the prior 2 lines showed an error
# There is no harm in running the prior lines and these
sudo growpart /dev/sda 3 || true
sudo pvresize /dev/sda3

# Next lines are for all appliances
sudo lvextend -l +100%FREE /dev/mapper/filewave--vg-root
sudo resize2fs /dev/mapper/filewave--vg-root
sudo reboot
```

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