

Install Drive Mappings

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1 Lenovo ThinkPad w520 **1**

2 Lenovo ThinkPad Extreme Gen 4 **2**

During the install process, configure the OS on drive 1 and reference /home and /rdr on drive 2. The following table shows drive setup for drive 1 (SDA) and drive 2 (SDB). It is important that drive 1 contain the OS and supporting mappings while drive 2 only contains the /rdr and /home directories.

NOTE The OS can be reinstalled as many times as necessary along with the programs. Since /home contains all configurations, the newly installed programs will be configured quickly and use the existing configuration settings.

1 Lenovo ThinkPad w520

This laptop has two drives. First internal drive is 500 GB and a second, add-on tray-based is 1 TB for a total of 1.5 TB. Note that /rdr and /home are on the tray-based drive.

SDA			
/dev/sda1	1.3G	NTFS	Bootable, System
/dev/sda2	75G	NTFS	Windows
/dev/sda3	17G	NTFS	Lenovo Recovery
/dev/sda5	976M	EXT4	/boot
/dev/sda6	16G	Swap	Swap
/dev/sda7	4.1G	EXT4	/tmp
/dev/sda8	386G	EXT	/

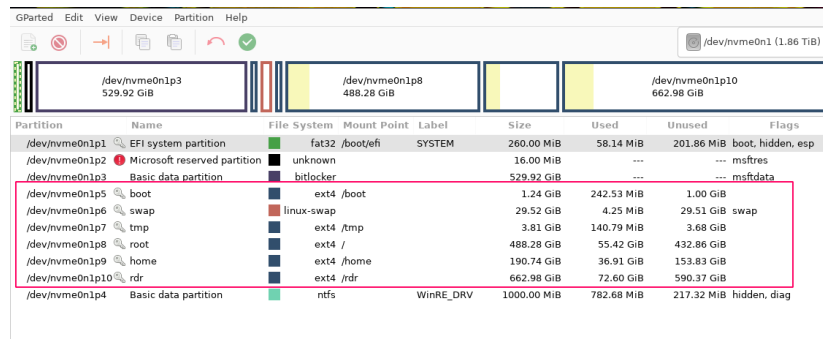
SDB			
/dev/sdb1	849G	EXT4	/rdr
/dev/sdb2	151G	EXT4	/home

2 Lenovo ThinkPad Extreme Gen 4

This new laptop is a single drive machine. The architecture does not support two drives (at least I have not installed a second drive in the wireless radio space - something I would look into!

DRIVE	SIZE	TYPE	MOUNT
nvme0n1p1	260 MB	FAT32	/boot/efi
nvme0n1p2	16 MB		MS Reserved
nvme0n1p3	539 GB	NTFS	Basic data
nvme0n1p4	783 MB	NTFS	Basic data
nvme0n1p5	1.2 GB	EXT4	/boot
nvme0n1p6	30 GB	swap	swap
nvme0n1p7	4 GB	EXT4	/tmp
nvme0n1p8	488 GB	EXT4	/
nvme0n1p9	191 GB	EXT4	/home
nvme0n1p10	663 GB	EXT4	/rdr

For reference, see the GPARTED screen:



Partition	Name	File System	Mount Point	Label	Size	Used	Unused	Flags
/dev/nvme0n1p1	EFI system partition	fat32	/boot/efi	SYSTEM	260.00 MiB	58.14 MiB	201.86 MiB	boot, hidden, esp
/dev/nvme0n1p2	Microsoft reserved partition	unknown			16.00 MiB	---	---	msftres
/dev/nvme0n1p3	Basic data partition	bitlocker			529.92 GiB	---	---	msftdata
/dev/nvme0n1p5	boot	ext4	/boot		1.24 GiB	242.53 MiB	1.00 GiB	
/dev/nvme0n1p6	swap	linux-swap			29.52 GiB	4.25 MiB	29.51 GiB	swap
/dev/nvme0n1p7	tmp	ext4	/tmp		3.81 GiB	140.79 MiB	3.68 GiB	
/dev/nvme0n1p8	root	ext4	/		488.28 GiB	55.42 GiB	432.86 GiB	
/dev/nvme0n1p9	home	ext4	/home		190.74 GiB	36.91 GiB	153.83 GiB	
/dev/nvme0n1p10	rdr	ext4	/rdr		662.98 GiB	72.60 GiB	590.37 GiB	
/dev/nvme0n1p4	Basic data partition	ntfs		WinRE_DRV	1000.00 MiB	782.68 MiB	217.32 MiB	hidden, diag

1. LSBLK Note the values in LSBLK do not match the table above. I assume LSBLK reports amount of free space. However, I list this in case we need to compare.

```
nvme0n1 259:0 0 1.9T 0 disk nvme0n1p1 259:1 0 260M 0 part /boot/efi
nvme0n1p2 259:2 0 16M 0 part nvme0n1p3 259:3 0 529.9G 0 part nvme0n1p4
259:4 0 1000M 0 part nvme0n1p5 259:5 0 1.2G 0 part /boot nvme0n1p6
259:6 0 29.5G 0 part [SWAP] nvme0n1p7 259:7 0 3.8G 0 part /tmp
nvme0n1p8 259:8 0 488.3G 0 part / nvme0n1p9 259:9 0 190.7G 0 part
/home nvme0n1p10 259:10 0 663G 0 part /rdr
```