

??????????????_?_????????_USB-???????????



8?. ??????? ?????? ?????? ??? "Unallocated Space" ? ??????? **New**. ????????? ?????????? ??? ???????
????????, ??????? ?????? ???????.

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???????? ?????? ?????? ? ??? Free Space Following (MiB), ?? ????????? ????????? ? 0, ?? ????? ?????????, ??. ?? ????????????? ????? ?? ??????. ???????, ?? ?????? ?????????????? ?????????? ?????????? ?????? ?? ?????? ??? ?????? ???????, ?????? ??? ?? ?????? ?????????? ? Windows ??? ?????????????? ?????????????? ??????????????.



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9. ?? ?????! ????? ??????? ????? ?????????? ? ?????????????? ? ??????? ?????? ??????. ????? ?????? ?????????? ?????????????? **UUID**. ?? ?????? ???? ?????? ?????? ?? ?????????????? **Optware** ?? **Entware**.

????? ??? Linux ? ?????????????????? ??????????? ???????

1. ????? ??????? **Ubuntu** ?????????? ?????, ??????? ? ?????? ??????????????????. ?? ?????? ? ?????? ?????????? ? ?????? ?????????????? ? ?????? ??????, ?????????? ?????? ?????? ???? ? ??????? **Unmount** («?????????????»).

2. ?????????? ? ??? ?????????? ? ?????? ?????? ?????? ? ?????? **Applications ? Accessories** («?????????» ? «?????????»), ?????? ?????? **Terminal** («?????????»).

? ??? ?????????? ?????????? ?????????? ?????????? ? ?????? ?????????? ??????:

?????????. ??? ????, ?????????? **??????** ?????? ? ??? ???, ??? ?????????, ?????? ?????? ??????

3. ?????? **sudo su -** ?????????? ???? ?????????? ?????? ???? ?????????????? **root** ? ?????? ?????? ?????????????????? ???????.

????????? ?????? **fdisk** ? ?????????? ?????? ??????:

- **sd?1** - ?????? /opt, ? ?????? ?????? ?????????? **Optware**.
- **sd?2** - ?????? ?????????? ?????? ?????????????? ??????.
- **sd?3** - ?????? /jffs ???? ?????????????????? ?????????????? **JFFS** ???? ???-? ??. **????? ??** **????????????? MMC!**
- **sd?4** - ?????? ?????? ???? ?????? ?????? ? ?????? ? **Samba** ??? **FTP**.

???????????. ?????? ? - ?? ?????? ??????, ?????? ?????????????? **Linux**. ?????? ?????? ??????????, ?????? ?? ?? ??????????, ?????? ?????? **fdisk -l**. ?????? ?????? ?????, ?????? ?????? ?????????????????? (?? ?????? ?????? ? ?????? ?????? ??????). ?? ?????? ?????, ?? ?? ?????? ??????????:

```

root@ubuntu:~# fdisk -l (lower case L)

Disk /dev/sda: 100.0 GB, 100030242816 bytes
255 heads, 63 sectors/track, 12161 cylinders
Units = cylinders of 16065 * 512 = 8225280 bytes
Disk identifier: 0x89e489e4
   Device Boot      Start         End      Blocks   Id  System
/dev/sda1  *            1         12160     97675168+   7  HPFS/NTFS

Disk /dev/sdb: 1000.2 GB, 1000204886016 bytes
255 heads, 63 sectors/track, 121601 cylinders
Units = cylinders of 16065 * 512 = 8225280 bytes
Disk identifier: 0x0c347bdb
   Device Boot      Start         End      Blocks   Id  System
/dev/sdb1            1         121601     976760001   7  HPFS/NTFS

Disk /dev/sdc: 2055 MB, 2055019520 bytes
215 heads, 43 sectors/track, 434 cylinders
Units = cylinders of 9245 * 512 = 4733440 bytes

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Disk identifier: 0x000e0383

Device	Boot	Start	End	Blocks	Id	System
/dev/sdc1	*	1	435	2006854+		begin_of_the_skype_highlighting

Partition 1 has different physical/logical endings:
 phys=(249, 214, 43) logical=(434, 32, 4)

Disk /dev/sdd: 8015 MB, 8015314944 bytes
 255 heads, 63 sectors/track, 974 cylinders
 Units = cylinders of 16065 * 512 = 8225280 bytes
 Disk identifier: 0x0006fe25

Device	Boot	Start	End	Blocks	Id	System
/dev/sdd1		1	974	7823623+	b	W95 FAT32

fdisk /dev/sdd

Command (m for help): **p**
 Disk /dev/sdd: 8015 MB, 8015314944 bytes
 255 heads, 63 sectors/track, 974 cylinders
 Units = cylinders of 16065 * 512 = 8225280 bytes
 Disk identifier: 0x0006fe25

Device	Boot	Start	End	Blocks	Id	System
/dev/sdd1		1	974	7823623+	b	W95 FAT32

fdisk /dev/sdd - ??? ???, ?????? ????? ????????????????

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 ?????????? ?????? ?????? ?????? ????. ??? ?????? ?????? ?????????? 40 ?? - ?????????? ?????? ??????
 ????????

??? 40 ?? ?? ??????



- /opt 512 ??
- swap 32 ??
- /jffs 128 ??
- ?????? ?????? ?? ??????

??? ?????? 40 ??



- /opt 512 ??
- swap 64 ??
- /jffs 256 ??
- ?????? ?????? ?? ??????

????? **JFFS** ?? ?????? ?? ?????????????? **USB**, ?????? ?? **MMC**.

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 ?????? ?????? ?? /opt ?????? ??? **384 ??**.

????? ???, ?????? /**jffs** ?? ?????????, ??? ?? ?????? ?????????????? ??? ?????? ?? ?????????? Optware ?
 ??????????? **USB**.

???: (????? ? - ?? ?????? ?????? (c, d, e ? ?.), ?????? ?????????, ?? ?????? ??????????) **??????** ????? -
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fdisk /dev/sd?

Command (m for help): **d** (deletes the partition)

Selected partition 1

Command (m for help): **p**

Disk /dev/sdd: 8015 MB, 8015314944 bytes

255 heads, 63 sectors/track, 974 cylinders

Units = cylinders of 16065 * 512 = 8225280 bytes

Disk identifier: 0x0006fe25

Device	Boot	Start	End	Blocks	Id	System
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Command (m for help): **p**

Disk /dev/sd?: 64 heads, 63 sectors, 621 cylinders

Units = cylinders of 4032 * 512 bytes

Command (m for help): **n**

Command action

e extended

p primary partition (1-4)

P

Partition number (1-4): **1**

First cylinder (1-621, default 1):<HIT ENTER>

Using default value 1

Last cylinder or +size or +sizeM or +sizeK (1-621, default 621): **+512M** <HIT ENTER>

Command (m for help): **n**

Command action

e extended

p primary partition (1-4)

P

Partition number (1-4): **2**

First cylinder (197-621, default 197):<HIT ENTER>

Using default value 197

Last cylinder or +size or +sizeM or +sizeK (197-621, default 621): **+64M** <HIT ENTER>

Command (m for help): **n**

Command action

e extended

p primary partition (1-4)

P

Partition number (1-4): **3**

First cylinder (197-621, default 197):<HIT ENTER>

Using default value 621

Last cylinder or +size or +sizeM or +sizeK (197-621, default 621): **+128M** <HIT ENTER>

Command (m for help): **n**

Command action

e extended

p primary partition (1-4)

P

Partition number (1-4): **4**

First cylinder (197-621, default 197):<HIT ENTER>

Using default value 1

Last cylinder or +size or +sizeM or +sizeK (197-621, default 621): <HIT ENTER>

Command (m for help): **t**

Partition number (1-4): **2**

Hex code (type L to list codes): **82**

Changed system type of partition 2 to 82 (Linux swap)

Command (m for help): **p**

Disk /dev/sd?: 64 heads, 63 sectors, 621 cylinders

Units = cylinders of 4032 * 512 bytes

Device	Boot	Start	End	Blocks	Id	System
/dev/sd?1	*	1	196	395104+	83	Linux
/dev/sd?2		197	262	133056	82	Linux swap
/dev/sd?3		263	458	395136	83	Linux

Command (m for help): **w**

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???????????????? /opt, /jffs ? ?????????? ??????? ?
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```
root@ubuntu:~# mke2fs -m 1 -L Optware /dev/sdd1
mke2fs 1.41.4 (27-Jan-2009)
/dev/sdd1 is mounted; will not make a filesystem here!
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mke2fs -m 1 -L Optware /dev/sd?1

```
mke2fs 1.18, 11-Nov-1999 for EXT2 FS 0.5b, 95/08/09
Filesystem label=Optware
OS type: Linux
Block size=4096 (log=2)
Fragment size=4096 (log=2)
122112 inodes, 243964 blocks
12198 blocks (5.00%) reserved for the super user
First data block=0
8 block groups
32768 blocks per group, 32768 fragments per group
15264 inodes per group
Superblock backups stored on blocks:
32768, 98304, 163840, 229376
Writing inode tables: done
Writing superblocks and filesystem accounting information: done
```

mke2fs -m 1 -L Shared /dev/sd?3

```
mke2fs 1.18, 11-Nov-1999 for EXT2 FS 0.5b, 95/08/09
Filesystem label=Shared
OS type: Linux
Block size=4096 (log=2)
Fragment size=4096 (log=2)
122112 inodes, 243964 blocks
12198 blocks (5.00%) reserved for the super user
First data block=0
8 block groups
32768 blocks per group, 32768 fragments per group
15264 inodes per group
Superblock backups stored on blocks:
32768, 98304, 163840, 229376
Writing inode tables: done
Writing superblocks and filesystem accounting information: done
```

mke2fs -m 1 -L Data /dev/sd?4

```
mke2fs 1.18, 11-Nov-1999 for EXT2 FS 0.5b, 95/08/09
Filesystem label=Data
```

???????????????? /opt, /jffs ? ?????????? ??????? ? ?????????????? ?????????? ??????????

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OS type: Linux
Block size=4096 (log=2)
Fragment size=4096 (log=2)
122112 inodes, 243964 blocks
12198 blocks (5.00%) reserved for the super user
First data block=0
8 block groups
32768 blocks per group, 32768 fragments per group
15264 inodes per group
Superblock backups stored on blocks:
32768, 98304, 163840, 229376
Writing inode tables: done
Writing superblocks and filesystem accounting information: done

mkswap /dev/sd?2 - ?????? ??? ?????.

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Windows, ??? ? ??????????? Linux Live CD - ??????? Linux ? ???????, ?? ????????? ???? ????,
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