SMG-3016 (SMG-2016, SMG-1016M) / HDD.

SMG HDD, , .

: MBR GPT. primary Linux, . ext2. , . SMG, (CLI).

:

1. ssh
SMG2016, .

```
last login: Thu Oct 24 14:06:37 2019 from 192.168.11.79


*******************************************
* Welcome to SMG-2016 *
*******************************************

Welcome! It is Fri Nov 15 08:30:08 GMT+7 2019
```

2. linux shell

```
SMG2016> sh
```

3. HDD "/home/admin # fdisk -l"

```
/home/admin # fdisk -l

Disk /dev/mtdblock0: 1 MB, 1048576 bytes
255 heads, 63 sectors/track, 0 cylinders
Units = cylinders of 16065 * 512 = 8225280 bytes

Disk /dev/mtdblock0 doesn't contain a valid partition table

Disk /dev/sda: 500.1 GB, 500107862016 bytes
255 heads, 63 sectors/track, 60801 cylinders
Units = cylinders of 16065 * 512 = 8225280 bytes
```

(HDD /dev/sda/)

4. fdisk linux

```
/home/admin # fdisk /dev/sda

The number of cylinders for this disk is set to 60801.
There is nothing wrong with that, but this is larger than 1024,
and could in certain setups cause problems with:
1) software that runs at boot time (e.g., old versions of LILO)
2) booting and partitioning software from other OSs
(e.g., DOS FDISK, OS/2 FDISK)
```

5.

```
Command (m for help): p

Disk /dev/sda: 500.1 GB, 500107862016 bytes
255 heads, 63 sectors/track, 60801 cylinders
Units = cylinders of 16065 * 512 = 8225280 bytes

Command (m for help): p

Disk /dev/sda: 500.1 GB, 500107862016 bytes
255 heads, 63 sectors/track, 60801 cylinders
Units = cylinders of 16065 * 512 = 8225280 bytes

Device Boot Start End Blocks Id System
```

6. ,
n c

```
Command (m for help): n
Command action
e extended
p primary partition (1-4)

Command action
e extended
p primary partition (1-4)
```

7. primary , "p" -

```
p
Partition number (1-4): 1
First cylinder (1-60801, default 1): Using default value 1
Last cylinder or +size or +sizeM or +sizeK (1-60801, default 60801): Using default value 60801
```

8.

```
Command (m for help): p

Disk /dev/sda: 500.1 GB, 500107862016 bytes
255 heads, 63 sectors/track, 60801 cylinders
Units = cylinders of 16065 * 512 = 8225280 bytes

Device Boot Start End Blocks Id System
/dev/sda1 1 60801 488384001 83 Linux
```

9.

```
Command (m for help): w
The partition table has been altered!

Calling ioctl() to re-read partition table
fdisk: WARNING: rereading partition table failed, kernel still uses old table: Device or resource busy
```

10. "mkfs /dev/sda1" /dev/sda1

```
/home/admin # mkfs /dev/sda1
mke2fs 1.41.14 (22-Dec-2010)
/dev/sda1 is mounted; will not make a filesystem here!
/home/admin # umount /dev/sda1
/home/admin # mkfs /dev/sda1
mke2fs 1.41.14 (22-Dec-2010)
ext2fs_check_if_mount: Can't check if filesystem is mounted due to missing mtab file while determining whether
/dev/sda1 is mounted.
Filesystem label=
OS type: Linux
Block size=4096 (log=2)
Fragment size=4096 (log=2)
Stride=0 blocks, Stripe width=0 blocks
30531584 inodes, 122096008 blocks
6104800 blocks (5.00%) reserved for the super user
First data block=0
Maximum filesystem blocks=0
3727 block groups
32768 blocks per group, 32768 fragments per group
8192 inodes per group
Superblock backups stored on blocks:
32768, 98304, 163840, 229376, 294912, 819200, 884736, 1605632, 2654208,
4096000, 7962624, 11239424, 20480000, 23887872, 71663616, 78675968,
102400000

Writing inode tables: done
Writing superblocks and filesystem accounting information: done

This filesystem will be automatically checked every 30 mounts or
180 days, whichever comes first. Use tune2fs -c or -i to override.
```

SMG /dev/sda1 - .

, , ext2 linux hdd. CLI .