



#####

openSUSE — ### ##### ##### ##### ## ##### Linux ### #####
##, ##### ### #####. ## ##### ##### ##, ##### ##### #
, ##### ##### , ##### ##### ## ##### -
##. Have a lot of fun!

#####: #####

#####: 2026-02-27 , #####: 84.87.20260110.3014fbe

#####

- 1 ##### 2
- 2 ##### 3
- 3 ##### # ##### 5

#####. ##### # #####, ##-
-##### # ##### <https://doc.opensuse.org/release-notes> . ##### -
#####. ##### ##### -
#####.

#####, ##### openSUSE Bugzilla. ##### #
https://en.opensuse.org/openSUSE:Submitting_bug_reports .

1

1.1 UEFI — ##### EFI

openSUSE # #####, ##### UEFI (Unified Extensible
Firmware Interface), ## #####

Windows 8 #####
UEFI.

#####: ##### UEFI #####, ##### # #####
UEFI. ##
«#####» ##### # #####. openSUSE #####

UEFI # ##### openSUSE. ##### Linux, ##-
UEFI ## # ##### (pstore), ##
#####.

1.2 UEFI, GPT # ##### MS-DOS

EFI/UEFI #####: GPT (GUID Partition
Table). ## ##### (128-##### # ##### 32
#####)

Additionally, the UEFI specification also allows legacy MBR (MS-DOS) partitions. The Linux boot loaders (ELILO or GRUB2) try to automatically generate a GUID for those legacy partitions, and write them to the firmware. Such a GUID can change frequently, causing a rewrite in the firmware. A rewrite consists of two different operations: removing the old entry and creating a new entry that replaces the first one.

```
# #####  
#####,  
#####,  
#####  
##### MBR # GPT,  
#####
```

2

2.1 ##### LUKS

```
# ##### Plymouth ##  
##### plymouth.enable=0 #  
##### https://bugzilla.opensuse.org/show\_bug.cgi?id=966255.
```

2.2 ##### `systemctl stop apparmor`

```
# #####  
##### systemctl reload # restart ##### AppArmor:
```

- `systemctl reload apparmor` ##### AppArmor (###
AppArmor.)
- `systemctl restart apparmor` ##### AppArmor # #####
###, ### #####
#####

```
###, systemd ##  
##### restart.
```

```
##### # AppArmor 2.12, ##### systemctl stop apparmor ##### ## #####. # #####
##### ## ##### systemctl restart apparmor ##### #####
##### AppArmor.

### ##### AppArmor ##### aa-teardown, #####
##### systemctl stop apparmor.

##### ##. https://bugzilla.opensuse.org/show\_bug.cgi?id=996520 # https://bugzilla.opensuse.org/show\_bug.cgi?id=853019.
```

2.3 ### ##### Compose ##

```
# ##### openSUSE ##### compose ##### ## #####
##### «å», ##### #
##### Shift Ctrl, # a.

# openSUSE Tumbleweed ##### ##### compose,
##### Shift Ctrl #####.
```

- ##### compose #####
/etc/X11/Xmodmap:

```
[...]
!! Third example: Change right Control key to Compose key.
!! To do Compose Character, press this key and afterwards two
!! characters (e.g. `a' and `^' to get 342).
!remove Control = Control_R
!keysym Control_R = Multi_key
!add Control = Control_R
[...]
```

```
##### ! # #####.
##### Xmodmap #####
##### setxkbmap.
```

- ##### compose #####

setxkbmap:

```
setxkbmap [...] -option compose:#####_COMPOSE
```

```
# #####_COMPOSE #####, ##_, ralt,  
lwin, rwin, menu, rctl ### caps.
```

- # ##### IBus, #####
Compose.

3 ##### #

- ##### README ## #####.
- ##### RPM:

```
rpm --changelog -qp ##_#####.rpm
```

##_##### ## ##### RPM.

- ##### # ##### # ##### # #####
ChangeLog ## #####.
- ##### ## # ##### docu ## #####.
- ##### # ##### ## ##### <https://doc.opensuse.org/>.
- ##### ## openSUSE ## ##### <https://www.opensuse.org/>.

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