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openSUSE Tumbleweed ##### Linux #####  
#####

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##

- 1    ## 2
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```
##### https://doc.opensuse.org/release-notes ↗ #####
#####
##### openSUSE Bugzilla ##### https://en.opensuse.org/
openSUSE:Submitting_bug_reports ↗.
```

## 1 ##

### 1.1 UEFI - #####

```
### openSUSE ### UEFI (#####) #####
## Windows 8##### UEFI ###
##### ## UEFI ##### UEFI #####
openSUSE ##### UEFI ## openSUSE #####
# Linux ##### UEFI ##### (pstore)#####
```

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

```
# EFI/UEFI #####GPT#GUID Partition Table##### GUID#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.

```
#####garbage collector#####entries#####entries#####
#####entries#####
##### MBR ##### GPT #####
```

## 2 #####

### 2.1 ## LUKS #####

#####Plymouth ##### plymouth.enable=0 ##### [https://bugzilla.opensuse.org/show\\_bug.cgi?id=966255](https://bugzilla.opensuse.org/show_bug.cgi?id=966255) 📄 #####

### 2.2 `systemctl stop apparmor` #####

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

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

##### `systemd` ##### (unit file format) ##### `restart` #####

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

##### AppArmor ##### `aa-teardown` ##### `systemctl stop apparmor` #####  
## [https://bugs.freedesktop.org/show\\_bug.cgi?id=996520](https://bugs.freedesktop.org/show_bug.cgi?id=996520) 📄 # [https://bugzilla.opensuse.org/show\\_bug.cgi?id=853019](https://bugzilla.opensuse.org/show_bug.cgi?id=853019) 📄 #####

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

# openSUSE #####compose ##### #a# #####

`Shift` `Right 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
[...]
```

```
##### _! ##### setxkbmap # Xmodmap #####
```

- ##### compose ##### setxkbmap #####

```
setxkbmap [...] -option compose:COMPOSE_KEY
```

```
### COMPOSE_KEY ##### ralt (# Alt #)# lwin (# Win #)# rwin (# Win #)# menu
(###)# rctl (# Alt #)### caps (#####)#
```

- ##### IBus ##### compose ##

### 3 #####

- ##### README ###

- ### RPM #####

```
rpm --changelog -qp FILENAME.rpm
```

```
# FILENAME ### RPM ###
```

- ##### ChangeLog #####

- ##### docu #####

- ##### <https://doc.opensuse.org/> ↗ #

- ##### openSUSE ##### <https://www.opensuse.org/> ↗ #

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