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# openSUSE 13.1 ####

Version: 13.1.6 (2013-11-07)

## © 2013 #### . # (marguerite@opensuse.org)

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#### GNU ##### (1.2#####) #####/#####  
fdl.txt ####

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##### openSUSE #####

#####

- # 1 # “##”##### openFATE ####openFATE # openSUSE ###/##### (http://features.opensuse.org)#

###

- # 2 # “##”#####

- # 3 # “##”#####

- # 4 # “####”##### openSUSE#####

- # 5 # “##”#####

## 1. ##

###

## 2. ##

### 2.1. #####

##### # 3.1 # "openSUSE ##"##

## 3. ##

### 3.1. openSUSE ##

# ##### KDE#GNOME #### LibreOffice #####  
bash #####

Find the documentation in `/usr/share/doc/manual/opensuse-manuals_${LANG}` after installing the package `opensuse-startup_${LANG}`, or online on <http://doc.opensuse.org>.

### 3.2. Dropped YaST Modules

The following YaST modules were obsolete and rarely used these days:

- `yast2-autofs`
- `yast2-dbus-client`
- `yast2-dirinstall`
- `yast2-fingerprint-reader`
- `yast2-irda`
- `yast2-mouse`
- `yast2-phone-services`
- `yast2-power-management`
- `yast2-profile-manager`
- `yast2-sshd`
- `yast2-tv`

The main reason for dropping was to decrease the maintenance effort and better focus on other more used modules.

### 3.3. UEFI—#####

## openSUSE ##### UEFI (#####) #####  
##### Windows 8 ##### UEFI #####

##### ## UEFI ##### UEFI #####"##"##openSUSE #####  
#####"####"##### UEFI ## openSUSE ##### Linux ##### UEFI #####  
##### (pstore) #####

## 3.4. Adobe Reader (acroread) and Other PDF Readers

Adobe no longer provides (security) updates for Adobe Reader (acroread). Therefore the acroread package was dropped from the distribution to protect openSUSE users.

openSUSE includes various PDF viewing tools like Okular, Evince, and xpdf-poppler. These tools are actively maintained and get security fixes from openSUSE and their upstream authors.

## 4. ####

### 4.1. Upgrading with Zypper (dup) Requires /etc/fstab Cleanup

When upgrading with **zypper dup** (YaST upgrade handles it automatically) users should remove the following /etc/fstab entries if present:

```
tmpfs    /dev/shm
devpts   /dev/pts
sysfs    /sys sysfs
proc     /proc proc
```

This is especially important for Gnome users, otherwise the Gnome terminal will fail with "grantpt failed: Operation not permitted". These mount points are managed by **systemd** and should no longer be present in /etc/fstab.

### 4.2. ### SYSLOG\_DAEMON ##

```
SYSLOG_DAEMON ##### syslog ##### openSUSE 12.3 ##### syslog ###
#####
```

```
#### syslog(8) ####
```

## 5. ##

### 5.1. ## KMS ##### (#####)

```
# openSUSE 11.3 ##### Intel#ATI#NVIDIA ##### KMS (#####)##### KMS ##### KMS
##### (intel#radeon#nouveau)##### nomodeset ### KMS#### Grub2, #####
##### /etc/default/grub ##### GRUB_CMDLINE_LINUX_DEFAULT #####
#####
```

```
sudo /usr/sbin/grub2-mkconfig --output=/boot/grub2/grub.cfg
```

```
##### Grub Legacy##### /boot/grub/menu.lst#####
initrd ### modeset=0 ##### (intel, radeon, nouveau)##### KMS#
```

```
##### initrd ## DRM #####KMS ##### initrd ##### DRM #####
# KMS### YaST # NO_KMS_IN_INITRD sysconfig ##### yes##### initrd#####
```

```
# Intel ##### KMS# X ##### fbdev ## (intel ##### KMS);##### Intel ###"intellegacy" ##
(xorg-x11-driver-video-intel-legacy ###) ##### UMS (#####)##### /etc/
X11/xorg.conf.d/50-device.conf### driver ##### intellegacy#
```

```
#### ATI #####X ##### radeonhd##NVIDIA ##### KMS#X ##### nv ###  
(nouveau ##### KMS)##### nomodeset ##### ATI # NVIDIA #####  
fbdev#
```

## 5.2. Samba version 4.1

Samba version 4.1 shipped with openSUSE 13.1 does not include support to operate as an Active Directory style domain controller. This functionality is currently disabled, as it lacks integration with system-wide MIT Kerberos.

## 5.3. ## Postfix

```
# openSUSE 12.3 ##SuSEconfig.postfix##### /usr/sbin/config.postfix#### /etc/  
sysconfig/postfix # /etc/sysconfig/mail ##### sysconfig ##### root ##### /usr/  
sbin/config.postfix#
```

## 5.4. xinetd#####

```
xinetd ##### /var/log/xinetd.log ##### xinetd #####  
#####  
  
##### /etc/xinetd.conf #####xinetd.log # logrotate ##### /usr/  
share/doc/packages/xinetd/logrotate ####
```

## 5.5. Apache Version 2.4

Apache 2.4 features various changes in the configuration files. For more information about upgrading from a previous version, see <http://httpd.apache.org/docs/2.4/upgrading.html>.

## 5.6. tomcat#####

```
tomcat ##### /var/log/tomcat/catalina.out ##### tomcat.service  
(tomcat-jsvc.service) #####
```

## 5.7. Darktable#####

```
##### openSUSE 13.1 ##### ~/.cache/darktable/mipmaps#
```

## 5.8. KDE and Bluetooth

The Bluetooth stack is provided by Bluez 5 (a major, backwards-incompatible version), a necessary upgrade for GNOME desktop and some other components of the base system. Unfortunately, the KDE workspace only supports Bluez version 4 in its currently-released versions.

Therefore, the openSUSE KDE community team offers an unofficial Bluedevil package providing at least basic functionality such as device pairing or support for bluetooth mice; Some other features are known not to work yet, like file transfer.

For the moment, bugs should not be filed against Bluetooth support in KDE as the Bluez 5 port of Bluedevil is still ongoing.