


Adfinis**sy**Group

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**Demo zu Module „systemd“ [SSA 1001]**

# Dienst automatisch starten



```
suse@linux-igxb:~  
File Edit View Search Terminal Help  
linux-igxb:~ # systemctl enable smb.service  
Created symlink from /etc/systemd/system/multi-user.target.wants/smb.service to /usr/lib/systemd/system/smb.service.  
linux-igxb:~ # █
```

enable

# Dienst manuell starten & Status prüfen

```
suse@linux-igxb:~  
File Edit View Search Terminal Help  
linux-igxb:~ # systemctl start cups.service  
linux-igxb:~ # systemctl status cups.service  
● cups.service - CUPS Printing Service  
   Loaded: loaded (/usr/lib/systemd/system/cups.service; disabled; vendor preset: disabled)  
   Active: active (running) since Mon 2016-12-19 10:29:40 CET; 20s ago  
 Main PID: 5769 (cupsd)  
   Tasks: 1 (limit: 512)  
   CGroup: /system.slice/cups.service  
           └─5769 /usr/sbin/cupsd -f  
  
Dec 19 10:29:40 linux-igxb systemd[1]: Started CUPS Printing Service.  
Dec 19 10:29:56 linux-igxb systemd[1]: Started CUPS Printing Service.  
linux-igxb:~ # █
```

status

# Boot Analyse in SVG rendern

A terminal window with a title bar that reads 'suse@linux-igxb:~'. The window has a menu bar with 'File', 'Edit', 'View', 'Search', 'Terminal', and 'Help'. The terminal content shows a red prompt 'linux-igxb:~ #', followed by the command 'systemd-analyze plot > /tmp/foo' and another red prompt 'linux-igxb:~ #' with a black cursor. The window has standard Linux window controls (minimize, maximize, close) on the right side.

```
suse@linux-igxb:~  
File Edit View Search Terminal Help  
linux-igxb:~ # systemd-analyze plot > /tmp/foo  
linux-igxb:~ #
```

boot

# Unit File prüfen, Restart aktivieren

A terminal window titled 'suse@linux-igxb:~' with a menu bar containing 'File', 'Edit', 'View', 'Search', 'Terminal', and 'Help'. The terminal shows the command 'cat cups.service' and its output, which lists the configuration for the cups.service unit file, including its description, dependencies, and service settings.

```
suse@linux-igxb:~  
File Edit View Search Terminal Help  
linux-igxb:/usr/lib/systemd/system # cat cups.service  
[Unit]  
Description=CUPS Printing Service  
After=network.target  
  
[Service]  
ExecStart=/usr/sbin/cupsd -D FOREGROUND  
KillMode=process  
Restart=always  
  
[Install]  
WantedBy=multi-user.target  
linux-igxb:/usr/lib/systemd/system # █
```

check

# Dienst killen und Restart prüfen



killandrestart

# Timer Beispiel 1/4

- Periodisch die aktuelle Zeit in eine File loggen

/opt/logger.sh

```
#!/bin/bash  
date --rfc-3339=seconds >> /tmp/logger.log
```



## Timer Beispiel 2/4

```
/etc/systemd/system/logger.timer
[Unit]
Description=Dummy logger timer

[Timer]
# 50s after booting the machine
OnBootSec=50s
# Interval
OnUnitActiveSec=30

[Install]
WantedBy=timers.target
```

## Timer Beispiel 3/4

```
/etc/systemd/system/logger.service
[Unit]
Description=Dummy logger
DefaultDependencies=no
After=local-fs.target
Before=shutdown.target

[Service]
Type=oneshot
ExecStart=/opt/logger.sh

[Install]
WantedBy=timers.target
```

## Timer Beispiel 4/4

- Neue Files in systemd laden

```
systemctl daemon-reload
```

- Time aktivieren

```
systemctl enable logger.timer logger.service
```

- Timer Aktivierung prüfen

```
systemctl list-timers
```

- Log File prüfen

```
tailf /tmp/logger.log
```

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