

Adfinis**sy**Group

Be smart. Think open source.

Demo zu Module „systemd“ [SSA 1001]

Dienst automatisch starten

A terminal window titled "suse@linux-igxb:~" with a menu bar containing "File", "Edit", "View", "Search", "Terminal", and "Help". The terminal content shows the command "systemctl enable smb.service" being executed, followed by the output "Created symlink from /etc/systemd/system/multi-user.target.wants/smb.service to /usr/lib/systemd/system/smb.service." and a new prompt.

```
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 menu bar contains "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:~ #".

```
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. The output is a unit file configuration for cups.service, including sections for [Unit], [Service], and [Install].

```
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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