

# SystemD and Asterisk

## Asterisk

Put the following in /etc/systemd/system/asterisk.service and then run "systemctl daemon-reload && systemctl enable asterisk"

```
[Unit]
Description=Asterisk PBX And Telephony Daemon
Wants=network.target
After=network.target

[Service]
Type=simple
User=root
Group=root
#Environment=HOME=/var/lib/asterisk
#WorkingDirectory=/var/lib/asterisk
ExecStart=/usr/sbin/asterisk -f -C /etc/asterisk/asterisk.conf
ExecStop=/usr/sbin/asterisk -rx 'core stop now'
ExecReload=/usr/sbin/asterisk -rx 'core reload'

LimitNOFILE=65535

# safe_asterisk emulation
Restart=always
RestartSec=10

[Install]
WantedBy=multi-user.target
```

Paste below into a terminal to setup the files:

```
cat << EOF > /etc/systemd/system/asterisk.service[Unit]
Description=Asterisk PBX And Telephony Daemon
Wants=network.target
After=network.target

[Service]
Type=simple
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[Install]
WantedBy=multi-user.target

EOF
```

# Loading Dahdi

After some digging, for my purposes I found the best way to load the transcoding module is to use the systemd module loader to load the wctc4xsp transcoding module and UDEV to run dahdi\_cfg once the module is loaded.

Prerequisite: Configure the /etc/dahdi/modules and /etc/dahdi/system.conf files as you normally would.

```
cat << EOF > /etc/dahdi/modules
# /etc/modules-load.d/dahdi is symlinked here so systemd will load it on startup
# /etc/udev/rules.d/dahdi-wctc4xsp.rules instructs udev to run dahdi_cfg after wctc4xsp module is loaded
```

```
# Digium TC400B: G729 / G723 Transcoding Engine
wctc4xxp

EOF

ln -s /etc/dahdi/modules /etc/modules-load.d/dahdi.conf

# update udev to run dahdi_cfg after loading the transcoding module
cat << EOF > /etc/udev/rules.d/dahdi-wctc4xxp.rules
KERNEL=="wctc4xxp" RUN+="/usr/sbin/dahdi_cfg"
EOF
```

The next time you reboot, systemd will load the module, udev will run dahdi\_cfg, and then systemd will load asterisk. Granted this is only really needed if you haven't migrated away from MeetMe yet...

# Single shot

Haven't had time to work on this. [Here's](#) the information I'm starting from.

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