

Raspberry Pi & Linux SL products: SysTimeRTCSetTimezone is not implemented / Executing bash commands

As a workaround, the time zone can be set via a Linux command line



The package "systemd" must be installed on the system, for timedatectl to be used.

== >> on PFC100/PFC200 runtimes, systemd is not used, but the following commands can be used instead

Use the "/etc/config-tools/config_timezone"-command in place of the "timedatectl set-timezone"-command:

```
TZ="CET-1CEST,M3.5.0/2,M10.5.0/3"
or
/etc/config-tools/config_timezone tz-string="CET-1CEST,M3.5.0/2,M10.5.0/3"
```

The timezone abbreviation list for PFC100/PFC200 can be found here:

```
cat /usr/share/zoneinfo/allzones
```



Allow the command first, as described here: [SysProcess](#)



The list of available time zones can be read out via the command line

```
timedatectl list-timezones
```

Declaration

```
VAR
    sCmdCet          : STRING := 'timedatectl set-timezone Europe/Berlin';
    sCmdGmt          : STRING := 'timedatectl set-timezone Etc/GMT';
    xSetGmt          : BOOL;
    xSetCet          : BOOL;
    rtsResult        : SysTypes.RTS_IEC_RESULT;
    diReturn         : DINT;
END_VAR
```

Implement ation

```

IF xSetGmt THEN
    xSetGmt      := FALSE;
    diReturn := Sysprocess.SysProcessExecuteCommand(pszComand := sCmdGmt, ADR(rtsResult));
END_IF

IF xSetCet THEN
    xSetCet      := FALSE;
    diReturn := Sysprocess.SysProcessExecuteCommand(pszComand := sCmdCet, ADR(rtsResult));
END_IF

```

```

5
6 IF xSetGmtFALSE THEN
7     xSetGmtFALSE := FALSE;
8     diReturn0 := Sysprocess.SysProcessExecuteCommand(pszComand := sCmdGmt'timedatectl set', ADR(rtsResult0));
9 END_IF
10
11 IF xSetCetFALSE THEN
12     xSetCetFALSE := FALSE;
13     diReturn0 := Sysprocess.SysProcessExecuteCommand(pszComand := sCmdCet'timedatectl set', ADR(rtsResult0));
14 END_IFRETURN

```

pi@ThKPi3LCD: ~

```

root@ThKPi3LCD:/# date
Do 26. Aug 08:01:56 GMT 2021
root@ThKPi3LCD:/# date
Do 26. Aug 10:02:09 CEST 2021
root@ThKPi3LCD:/# date
Do 26. Aug 08:02:27 GMT 2021
root@ThKPi3LCD:/#

```