

NAME

systemd-timedated.service, systemd-timedated – Time and date bus mechanism

SYNOPSIS

systemd-timedated.service

/lib/systemd/systemd-timedated

DESCRIPTION

systemd-timedated.service is a system service that may be used as a mechanism to change the system clock and timezone, as well as to enable/disable network time synchronization. systemd-timedated is automatically activated on request and terminates itself when it is unused.

The tool **timedatectl**(1) is a command line client to this service.

systemd-timedated currently offers access to the following four settings:

- The system time
- The system timezone
- A boolean controlling whether the system RTC is in local or UTC timezone
- Whether the time synchronization service is enabled/started or disabled/stopped, see next section.

See **org.freedesktop.timedate1**(5) and **org.freedesktop.LogControl1**(5) for information about the D-Bus API.

LIST OF NETWORK TIME SYNCHRONIZATION SERVICES

systemd-timesyncd will look for files with a ".list" extension in ntp-units.d/ directories. Each file is parsed as a list of unit names, one per line. Empty lines and lines with comments ("#") are ignored. Files are read from /usr/lib/systemd/ntp-units.d/ and the corresponding directories under /etc/, /run/, /usr/local/lib/. Files in /etc/ override files with the same name in /run/, /usr/local/lib/, and /lib/. Files in /run/ override files with the same name under /usr/. Packages should install their configuration files in /usr/lib/ (distribution packages) or /usr/local/lib/ (local installs).

Example 1. ntp-units.d/ entry for systemd-timesyncd

```
# /usr/lib/systemd/ntp-units.d/80-systemd-timesync.list
systemd-timesyncd.service
```

If the environment variable `$SYSTEMD_TIMEDATED_NTP_SERVICES` is set, **systemd-timesyncd** will parse the contents of that variable as a colon-separated list of unit names. When set, this variable overrides the file-based list described above.

Example 2. An override that specifies that chronyd should be used if available

```
SYSTEMD_TIMEDATED_NTP_SERVICES=chronyd.service:systemd-timesyncd.service
```

SEE ALSO

systemd(1), **timedatectl**(1), **localtime**(5), **hwclock**(8), **systemd-timesyncd**(8)