

NAME

systemd-logind.service, systemd-logind – Login manager

SYNOPSIS

systemd-logind.service

/lib/systemd/systemd-logind

DESCRIPTION

systemd-logind is a system service that manages user logins. It is responsible for:

- Keeping track of users and sessions, their processes and their idle state. This is implemented by allocating a systemd slice unit for each user below `user.slice`, and a scope unit below it for each concurrent session of a user. Also, a per-user service manager is started as system service instance of `user@.service` for each logged in user.
- Generating and managing session IDs. If auditing is available and an audit session ID is already set for a session, then this ID is reused as the session ID. Otherwise, an independent session counter is used.
- Providing [polkit](#)^[1]-based access for users for operations such as system shutdown or sleep
- Implementing a shutdown/sleep inhibition logic for applications
- Handling of power/sleep hardware keys
- Multi-seat management
- Session switch management
- Device access management for users
- Automatic spawning of text logins (gettys) on virtual console activation and user runtime directory management

User sessions are registered with logind via the **pam_systemd**(8) PAM module.

See **logind.conf**(5) for information about the configuration of this service.

See **sd-login**(3) for information about the basic concepts of logind such as users, sessions and seats.

See **org.freedesktop.login1**(5) and **org.freedesktop.LogControl1**(5) for information about the D-Bus APIs systemd-logind provides.

For more information on the inhibition logic see the [Inhibitor Lock Developer Documentation](#)^[2].

If you are interested in writing a display manager that makes use of logind, please have look at [Writing Display Managers](#)^[3]. If you are interested in writing a desktop environment that makes use of logind, please have look at [Writing Desktop Environments](#)^[4].

SEE ALSO

systemd(1), **systemd-user-sessions.service**(8), **loginctl**(1), **logind.conf**(5), **pam_systemd**(8), **sd-login**(3)

NOTES

1. polkit
<https://www.freedesktop.org/wiki/Software/polkit>
2. Inhibitor Lock Developer Documentation
<https://www.freedesktop.org/wiki/Software/systemd/inhibit>
3. Writing Display Managers
<https://www.freedesktop.org/wiki/Software/systemd/writing-display-managers>
4. Writing Desktop Environments
<https://www.freedesktop.org/wiki/Software/systemd/writing-desktop-environments>