

Daemons

From ArchWiki

A daemon is a program that runs as a "background" process (without a terminal or user interface), commonly waiting for events to occur and offering services. A good example is a web server that waits for a request to deliver a page, or a ssh server waiting for someone trying to log in. While these are full featured applications, there are daemons whose work is not that visible. Daemons are for tasks like writing messages into a log file (e.g. `syslog`, `metalog`) or keeping your system time accurate (e.g. `ntpd`). For more information see `man 7 daemon`.

In Arch Linux, daemons are managed by `systemd`. The `systemctl` command is the user interface used to manage them. It reads `name.service` files that contain information about how and when to start the associated daemon. Service files are stored in `/etc,usr/lib,run}/systemd/system`. See `systemd#Using units` for details.

List of daemons

Here is a list of daemons. Note that any package can provide a daemon, so this list will never be complete. Please feel free to add any missing daemons here, in alphabetical order. You may have packages that include other daemons from the AUR. These files will likely be located in `/usr/lib/systemd/system/`.

The *Package* column contains a link to ArchWiki page for each daemon (or link to the package if no such page exists). The *initscripts* column contains the name of the legacy *rc.d* script and the *systemd* column contains the name of the `systemd` service file. Note that there may be daemons specific to either `initscripts` or `systemd`, with the respective column empty. The *Description* column provides short description, preferably of *the daemon* (not of the package).

Package	initscripts	systemd	Description
acpid	acpid	acpid.service	A daemon for delivering ACPI power management events with netlink support.
alsa	alsa	<i>always on</i> – alsa-store.service, alsa-restore.service	Saves the state of a sound card (e.g. volume) on shutdown and restores it on startup.
at (https://www.archlinux.org/packages/?name=at)	atd	atd.service	Runs jobs queued for later execution.
Autofs	autofs	autofs.service	Automounting of removable media or network shares when they are inserted or accessed.
Avahi	avahi-daemon	avahi-daemon.service	Allows programs to automatically find local network services.
	avahi-dnssconfd	avahi-dnssconfd.service	Multicast/unicast DNS-SD framework.
Bitlbee	bitlbee	bitlbee.service	Brings instant messaging (XMPP, MSN, Yahoo!, AIM, ICQ, Twitter) to IRC.
Bluetooth	bluetooth	bluetooth.service	Bluetooth protocol stack, framework, subsystem.
Chrony	chrony	chrony.service	Lightweight NTP client and server.
CDemu	cdemud	cdemu-daemon.service	CD/DVD-ROM device emulator.
ClamAV	clamav	clamd.service freshclamd.service	Anti-virus toolkit for Unix.
Connman	connmand	connman.service	Wireless LAN network manager.
Cpupower	cpupower	cpupower.service	Sets cpufreq governor and other parameters on startup.
	craftbukkit	<i>not yet implemented</i>	CraftBukkit Minecraft server.
Cron	crond	cronie.service (if using <code>cronie</code> (https://www.archlinux.org/packages/?name=cronie)) or dcron.service (if using <code>dcron</code> (https://aur.archlinux.org))	Daemon to schedule and time events. The daemon name <i>crond</i> is used by at least two packages, <code>cronie</code> (https://www.archlinux.org)

Package	initscripts	systemd	Description
		/packages/dcron/ ^{AUR})	/packages/?name=cronie) and dcron (https://aur.archlinux.org/packages/dcron/) ^{AUR} .
CUPS	cupsd	org.cups.cupsd.service	The CUPS Printing System daemon.
D-Bus	dbus	<i>always on</i> - dbus.service	Freedesktop.org message bus system.
dante (https://www.archlinux.org/packages/?name=dante)	sockd	sockd.service	A circuit-level SOCKS client/server.
Deluge	deluged	deluged.service	Cross-platform and full-featured BitTorrent client - main daemon.
	deluge-web	deluge-web.service	Cross-platform and full-featured BitTorrent client - web interface daemon.
Dhcpd	dhcpd	dhcpd@.service	DHCP daemon.
Dovecot	dovecot	dovecot.service	IMAP and POP3 server.
Dropbox	dropboxd	dropbox@.service	Cross-platform file synchronisation with version control.
fail2ban	fail2ban	fail2ban.service	Fail2ban scans log files and bans IP addresses that show malicious activity.
Fan speed control	fancontrol	fancontrol.service	Fan control daemon (part of lm_sensors)
Fbsplash	fbsplash	<i>not yet implemented</i>	Graphical boot splash screen for the user.
FluidSynth	fluidsynth	fluidsynth.service	Software synthesizer.
	ftpd	ftpd.service	inetutils FTP daemon.
GDM	gdm	gdm.service	GNOME Display Manager.
Git	git-daemon	git-daemon.socket	Git daemon.
gpm	gpm	gpm.service	Console mouse support.
hddtemp	hddtemp	hddtemp.service	Hard drive temperature monitor daemon.
	healthd	healthd.service	A daemon which can be used to alert you in the event of a hardware health monitoring alarm (part

Package	initscripts	systemd	Description
			of lm_sensors).
apache	httpd	httpd.service	Apache HTTP Server (Web Server).
	i8kmon	i8kmon.service	Monitor the CPU temperature and fan status on Dell Inspiron laptops.
	ifplugd	ifplugd@.service	Start/stop network on network cable plugged in/out.
iptables	iptables	iptables.service	Load firewall rules for IPv4.
	ip6tables	ip6tables.service	Load firewall rules for IPv6.
	irqbalance	irqbalance.service	Irqbalance is the Linux utility tasked with making sure that interrupts from your hardware devices are handled in as efficient a manner as possible.
KDE	kdm	kdm.service	KDE Display Manager.
krb5 (https://www.archlinux.org/packages/?name=krb5)	krb5-kadmind	krb5-kadmind.service	Kerberos 5 administration server.
	krb5-kdc	krb5-kdc.service	Kerberos 5 KDC.
	krb5-kpropd	krb5-kpropd.service	Kerberos 5 propagation server.
Laptop Mode Tools	laptop-mode	laptop-mode.service	Laptop power saving tools.
lighttpd	lighttpd	lighttpd.service	Lighttpd HTTP Server (Web Server).
libvirt	libvirt	libvirtd.service	libvirt is a virtualization API and a daemon for managing virtual machines (VMs).
lxdm	lxdm	lxdm.service	LXDE Display Manager.
	mdadm	mdadm.service	MD Administration (Linux software RAID).
miniDLNA	minidlna	minidlna.service	simple DLNA/UPnP media server.
	?	ModemManager.service	Makes mobile broadband (3G) modem available to NetworkManager.

Package	initscripts	systemd	Description
mpd	mpd	mpd.service	Music Player Daemon.
MySQL	mysqld	mysqld.service	MySQL database server.
MythTV	mythbackend	mythbackend.service	Back-end for the MythTV digital video recording/home theater software.
BIND	named	named.service	The Berkeley Internet Name Daemon (BIND) DNS server.
netctl		netctl@.service	Manually activate specific profile.
		netctl-ifplugd@.service	Automatically start/stop netctl profiles depending on whether the cable is plugged in or not.
		netctl-auto@.service	Automatically start/stop netctl wireless profiles depending on which access points are in range.
	network	dhcpcd@.service	Brings up the network connections (dynamic Ethernet).
NetworkManager	networkmanager	NetworkManager.service NetworkManager-wait-online.service	NetworkManager daemon, provides configuration and detection for automatic network connections.
Nginx	nginx	nginx.service	Nginx HTTP Server and IMAP/POP3 proxy server (Web Server).
	nscd	nscd.service	Name service caching daemon.
ntpd	ntpd	ntpd.service	Network Time Protocol daemon (client and server).
Ntop	ntop	ntop.service	Ntop is a network traffic probe based on libcap.
OpenNTPD	openntpd	openntpd.service	Alternative Network Time Protocol daemon (client and server).
	osspd	osspd.service	OSS Userspace Bridge.

Package	initscripts	systemd	Description
OpenVPN	openvpn	openvpn@.service	One for each VPN configuration file saved like <code>/etc/openvpn/<profile-name>.conf</code>
OSS	oss	oss.service	Open Sound System. Alternative to ALSA.
Pdnscd	pdnsd	pdnsd.service	Proxy DNS server with permanent caching.
php-fpm (https://www.archlinux.org/packages/?name=php-fpm)	php-fpm	php-fpm.service	FastCGI Process Manager for PHP.
PostgreSQL	postgresql	postgresql.service	PostgreSQL database server.
Postfix	postfix	postfix.service	Mail server, which is an alternative to using sendmail.
Postgrey	postgrey	postgrey.service	Greylisting service, used with Postfix
powernowd	powernowd	<i>not yet implemented</i>	To adjust speed of CPU depending on system load.
PPTP server	pptpd	pptpd.service	A Virtual Private Network (VPN) server using the Point-to-Point Tunneling Protocol (PPTP).
pppd	pppd	ppp@.service	A daemon which implements the Point-to-Point Protocol for dial-up networking.
preload	preload	preload.service	Makes applications run faster by prefetching binaries and shared objects.
Prosody	prosody	prosody.service	XMPP server.
Profile-sync-daemon	psd	psd.service	Manages your browser's profile in tmpfs and periodically syncs it back to your physical disk.
	pure-ftpd	pure-ftpd.service cups.service	A fast, production quality, standards-compliant FTP server.
rfkill (https://www.archlinux.org/packages/?name=rfkill)	rfkill	rfkill-block@.service rfkill-unblock@.service	(Un)blocks radio devices.
Rsync	rsyncd	rsyncd.service	rsync daemon.

Package	initscripts	systemd	Description
Rsyslog	rsyslogd	rsyslog.service	Alternative system logger.
samba	samba	smbd.service nmbd.service winbindd.service	File and print services for Microsoft Windows clients.
SANE	saned	saned@.service	SANE network daemon.
	saslauthd	saslauthd.service	SASL authentication daemon.
lm_sensors	sensord	sensord.service	Sensor information logging daemon.
	sensors	lm_sensors.service	Initialize hardware monitoring sensors (load necessary kernel modules).
SLiM	slim	slim.service	Simple Login Manager.
SMART	smartd	smartd.service	Self-Monitoring, Analysis, and Reporting Technology (S.M.A.R.T.) Hard Disk Monitoring.
smbnetfs	smbnetfs	smbnetfs.service	Automatically mount Samba/Microsoft network shares.
snmpd	snmpd	snmpd.service	A suite of applications used to implement SNMP
	soundmodem	<i>not yet implemented</i>	Multiplatform Soundcard Packet Radio Modem
spamassassin (https://www.archlinux.org/packages/?name=spamassassin)	spamd	spamassassin.service	e-mail spam filtering service.
openssh	sshd	sshd.service	OpenSSH (secure shell) daemon.
	stunnel	stunnel.service	Allows encrypting arbitrary TCP connections inside SSL.
	svnserve	svnserve.service	Subversion server.
syslog-ng	syslog-ng	syslog-ng.service	System logger next generation.
Timidity	timidity++	timidity.service	Software synthesizer for MIDI.

Package	initscripts	systemd	Description
Tinc	?	tincd@.service	One for each configuration directory like /etc/tinc /<vpnnname>/
Tor	tor	tor.service	Onion routing for anonymous communication.
Transmission	transmissiond	transmission.service	BitTorrent Daemon.
Ufw	ufw	ufw.service	Uncomplicated FireWall.
Urxvtd	?	urxvtd.service	urxvt daemon.
VirtualBox	vboxservice	vboxservice.service	VirtualBox Guest Service.
vnStat	vnstat	vnstat.service	Lightweight network traffic monitor.
Very Secure FTP Daemon	vsftpd	vsftpd.service (permanent) vsftpd.socket (on-demand) vsftpd-ssl.service (permanent) vsftpd-ssl.socket (on-demand)	FTP server.
wicd	wicd	wicd.service	A lightweight alternative to NetworkManager.
x11vnc	x11vnc	x11vnc.service	VNC remote desktop daemon.
XDM	xdm	xdm.service	X display manager.
xdm-archlinux	xdm-archlinux	xdm-archlinux.service	X display manager with Arch Linux theme.

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Categories: [Boot process](#) | [Daemons and system services](#)

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