



Rocky Enterprise Linux 9.2 Manual Pages on command 'systemd.directives.7'

C:\>man systemd.directives.7

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systemd.legacy_systemd_cgroup_controller
kernel-command-line(7), systemd(1)

systemd.log_color
kernel-command-line(7), systemd(1)

systemd.log_level=
kernel-command-line(7), systemd(1)

systemd.log_location=
kernel-command-line(7), systemd(1)

systemd.log_target=
kernel-command-line(7), systemd(1)

systemd.machine_id=
kernel-command-line(7), systemd(1)

systemd.mask=
kernel-command-line(7)

systemd.restore_state=
kernel-command-line(7), systemd-backlight@.service(8), systemd-rfkill.service(8)

systemd.run=
kernel-command-line(7)

systemd.run_failure_action=
kernel-command-line(7)

systemd.run_success_action=

kernel-command-line(7)
systemd.service_watchdogs
kernel-command-line(7)
systemd.service_watchdogs=
systemd(1)
systemd.setenv=
kernel-command-line(7), systemd(1)
systemd.show_status
kernel-command-line(7), systemd(1)
systemd.status_unit_format=
kernel-command-line(7), systemd(1)
systemd.unified_cgroup_hierarchy
kernel-command-line(7), systemd(1)
systemd.unit=
kernel-command-line(7), systemd(1)
systemd.verity=
kernel-command-line(7), systemd-veritysetup-generator(8)
systemd.verity_root_data=
kernel-command-line(7), systemd-veritysetup-generator(8)
systemd.verity_root_hash=
kernel-command-line(7), systemd-veritysetup-generator(8)
systemd.volatile=
kernel-command-line(7), systemd-fstab-generator(8)
systemd.wants=
kernel-command-line(7)
systemd.watchdog_device=
kernel-command-line(7)
udev.children_max=
kernel-command-line(7), systemd-udevd.service(8)
udev.event_timeout=
kernel-command-line(7), systemd-udevd.service(8)
udev.exec_delay=
kernel-command-line(7), systemd-udevd.service(8)

udev.log_priority=
kernel-command-line(7), systemd-udev.service(8)

vconsole.font=
kernel-command-line(7)

vconsole.font_map=
kernel-command-line(7)

vconsole.font_unimap=
kernel-command-line(7)

vconsole.keymap=
kernel-command-line(7)

vconsole.keymap_toggle=
kernel-command-line(7)

vlan=
systemd-network-generator.service(8)

ENVIRONMENT VARIABLES

Environment variables understood by the systemd manager and other programs and environment variable-compatible settings.

\$CACHE_DIRECTORY

systemd.exec(5)

\$CONFIGURATION_DIRECTORY

systemd.exec(5)

\$EMAIL

pam_systemd(8)

\$EXIT_CODE

systemd.exec(5)

\$EXIT_STATUS

systemd.exec(5)

\$HOME

systemd.exec(5)

\$INVOCATION_ID

systemd.exec(5)

\$JOURNAL_STREAM

systemd.exec(5)

\$LANG

pam_systemd(8), systemd.exec(5)

\$LISTEN_FDNames

sd_listen_fds(3), systemd(1), systemd-socket-activate(1), systemd.exec(5)

\$LISTEN_FDS

sd_listen_fds(3), systemd(1), systemd-socket-activate(1), systemd.exec(5)

\$LISTEN_PID

sd_listen_fds(3), systemd(1), systemd-socket-activate(1), systemd.exec(5)

\$LOGNAME

systemd.exec(5)

\$LOGS_DIRECTORY

systemd.exec(5)

\$MAINPID

systemd.exec(5)

\$MANAGERPID

systemd.exec(5)

\$NOTIFY_SOCKET

sd_notify(3), systemd(1), systemd.exec(5)

\$PATH

systemd.exec(5)

\$PIDFILE

systemd.exec(5)

\$PREVLEVEL

runlevel(8)

\$RUNLEVEL

runlevel(8)

\$RUNTIME_DIRECTORY

systemd.exec(5)

\$SERVICE_RESULT

systemd.exec(5)

\$SHELL

systemd.exec(5)

\$STATE_DIRECTORY

systemd.exec(5)

\$\$SYSTEMD_COLORS

journalctl(1), localectl(1), loginctl(1), machinectl(1), portablectl(1),
systemd(1), systemd-analyze(1), systemd-inhibit(1), systemd-nspawn(1),
timedatectl(1)

\$\$SYSTEMD_DEBUGGER

coredumpctl(1)

\$\$SYSTEMD_EDITOR

systemctl(1)

\$\$SYSTEMD_LESS

journalctl(1), localectl(1), loginctl(1), machinectl(1), portablectl(1),
systemd(1), systemd-analyze(1), systemd-inhibit(1), systemd-nspawn(1),
timedatectl(1)

\$\$SYSTEMD_LESSCHARSET

journalctl(1), localectl(1), loginctl(1), machinectl(1), portablectl(1),
systemd(1), systemd-analyze(1), systemd-inhibit(1), systemd-nspawn(1),
timedatectl(1)

\$\$SYSTEMD_LOG_COLOR

systemd(1), systemd-socket-activate(1)

\$\$SYSTEMD_LOG_LEVEL

systemd(1), systemd-socket-activate(1)

\$\$SYSTEMD_LOG_LOCATION

systemd(1), systemd-socket-activate(1)

\$\$SYSTEMD_LOG_TARGET

systemd(1), systemd-socket-activate(1)

\$\$SYSTEMD_PAGER

journalctl(1), localectl(1), loginctl(1), machinectl(1), portablectl(1),
systemd(1), systemd-analyze(1), systemd-inhibit(1), systemd-nspawn(1),
timedatectl(1)

\$\$SYSTEMD_RANDOM_SEED_CREDIT

systemd-random-seed.service(8)

\$\$SYSTEMD_SYSVINIT_PATH

systemd(1)

\$SYSTEMD_SYSVRCND_PATH

systemd(1)

\$SYSTEMD_UNIT_PATH

systemd(1)

\$SYSTEMD_URLIFY

journalctl(1), localectl(1), loginctl(1), machinectl(1), portablectl(1),
systemd(1), systemd-analyze(1), systemd-inhibit(1), systemd-nspawn(1),
timedatectl(1)

\$TERM

systemd.exec(5)

\$TZ

pam_systemd(8)

\$USER

systemd.exec(5)

\$WATCHDOG_PID

sd_watchdog_enabled(3), systemd.exec(5)

\$WATCHDOG_USEC

sd_watchdog_enabled(3), systemd.exec(5)

\$XDG_CONFIG_DIRS

systemd(1)

\$XDG_CONFIG_HOME

systemd(1)

\$XDG_DATA_DIRS

systemd(1)

\$XDG_DATA_HOME

systemd(1)

\$XDG_RUNTIME_DIR

pam_systemd(8), systemd.exec(5)

\$XDG_SEAT

pam_systemd(8)

\$XDG_SESSION_CLASS

pam_systemd(8)

\$XDG_SESSION_DESKTOP

pam_systemd(8)
\$XDG_SESSION_ID
pam_systemd(8)
\$XDG_SESSION_TYPE
pam_systemd(8)
\$XDG_VTNR
pam_systemd(8)
ANSI_COLOR=
os-release(5)
BUG_REPORT_URL=
os-release(5)
BUILD_ID=
os-release(5)
CHASSIS=
machine-info(5)
CPE_NAME=
os-release(5)
DEPLOYMENT=
machine-info(5)
DOCUMENTATION_URL=
os-release(5)
HOME_URL=
os-release(5)
ICON_NAME=
machine-info(5)
ID=
os-release(5)
ID_LIKE=
os-release(5)
LOCATION=
machine-info(5)
LOGO=
os-release(5)

NAME=

os-release(5)

PRETTY_HOSTNAME=

machine-info(5)

PRETTY_NAME=

os-release(5)

PRIVACY_POLICY_URL=

os-release(5)

SUPPORT_URL=

os-release(5)

VARIANT=

os-release(5)

VARIANT_ID=

os-release(5)

VERSION=

os-release(5)

VERSION_CODENAME=

os-release(5)

VERSION_ID=

os-release(5)

EFI VARIABLES

EFI variables understood by systemd-boot(7) and other programs.

LoaderBootCountPath

systemd-boot(7)

LoaderConfigTimeout

systemd-boot(7)

LoaderConfigTimeoutOneShot

systemd-boot(7)

LoaderDevicePartUUID

systemd-boot(7)

LoaderEntries

systemd-boot(7)

LoaderEntryDefault

systemd-boot(7)
LoaderEntryOneShot
systemd-boot(7)
LoaderEntrySelected
systemd-boot(7)
LoaderFeatures
systemd-boot(7)
LoaderFirmwareInfo
systemd-boot(7)
LoaderFirmwareType
systemd-boot(7)
LoaderImageIdentifier
systemd-boot(7)
LoaderInfo
systemd-boot(7)
LoaderRandomSeed
systemd-boot(7)
LoaderSystemToken
systemd-boot(7)
LoaderTimeExecUsec
systemd-boot(7)
LoaderTimeInitUsec
systemd-boot(7)
LoaderTimeMenuUsec
systemd-boot(7)

UDEV DIRECTIVES

Directives for configuring systemd units through the udev database.

\$\$

udev(7)

\$attr{file}

udev(7)

\$devnode

udev(7)

\$devpath

udev(7)

\$driver

udev(7)

\$env{key}

udev(7)

\$id

udev(7)

\$kernel

udev(7)

\$links

udev(7)

\$major

udev(7)

\$minor

udev(7)

\$name

udev(7)

\$number

udev(7)

\$parent

udev(7)

\$result

udev(7)

\$root

udev(7)

\$sys

udev(7)

%%

udev(7)

%E{key}

udev(7)

%M

udev(7)
%N
udev(7)
%P
udev(7)
%S
udev(7)
%b
udev(7)
%c
udev(7)
%k
udev(7)
%m
udev(7)
%n
udev(7)
%p
udev(7)
%r
udev(7)
%s{file}
udev(7)
ACTION
udev(7)
ATTRS{filename}
udev(7)
ATTR{filename}
udev(7)
CONST{key}
udev(7)
DEVPATH
udev(7)

DRIVER

udev(7)

DRIVERS

udev(7)

ENV{key}

udev(7)

GOTO

udev(7)

GROUP

udev(7)

ID_AUTOSEAT

sd-login(3)

ID_FOR_SEAT

sd-login(3)

ID_MODEL=

systemd.device(5)

ID_MODEL_FROM_DATABASE=

systemd.device(5)

ID_SEAT

sd-login(3)

IMPORT{type}

udev(7)

KERNEL

udev(7)

KERNELS

udev(7)

LABEL

udev(7)

MODE

udev(7)

NAME

udev(7)

OPTIONS

udev(7)
OWNER
udev(7)
PROGRAM
udev(7)
RESULT
udev(7)
RUN{type}
udev(7)
SECLABEL{module}
udev(7)
SUBSYSTEM
udev(7)
SUBSYSTEMS
udev(7)
SYMLINK
udev(7)
SYSCTL{kernel parameter}
udev(7)
SYSTEMD_ALIAS=
systemd.device(5)
SYSTEMD_MOUNT_OPTIONS=
systemd-mount(1)
SYSTEMD_MOUNT_WHERE=
systemd-mount(1)
SYSTEMD_READY=
systemd.device(5)
SYSTEMD_USER_WANTS=
systemd.device(5)
SYSTEMD_WANTS=
systemd.device(5)
TAG
udev(7)

TAGS

udev(7)

TEST{octal mode mask}

udev(7)

db_persist

udev(7)

link_priority=

udev(7)

nowatch

udev(7)

static_node=

udev(7)

string_escape=

udev(7)

watch

udev(7)

NETWORK DIRECTIVES

Directives for configuring network links through the net-setup-link udev builtin and networks through systemd-networkd.

ARP=

systemd.network(5)

ARPAIITargets=

systemd.netdev(5)

ARPIPTargets=

systemd.netdev(5)

ARPIntervalSec=

systemd.netdev(5)

ARPValidate=

systemd.netdev(5)

Activate=

systemd.netdev(5)

ActivationPolicy=

systemd.network(5)

ActiveSlave=

systemd.network(5)

AdActorSystem=

systemd.netdev(5)

AdActorSystemPriority=

systemd.netdev(5)

AdSelect=

systemd.netdev(5)

AdUserPortKey=

systemd.netdev(5)

AddPrefixRoute=

systemd.network(5)

Address=

systemd.network(5)

AddressAutoconfiguration=

systemd.network(5)

Advertise=

systemd.link(5)

AgeingTimeSec=

systemd.netdev(5)

Alias=

systemd.link(5)

AllMulticast=

systemd.network(5)

AllSlavesActive=

systemd.netdev(5)

AllowLocalRemote=

systemd.netdev(5)

AllowPortToBeRoot=

systemd.network(5)

AllowedIPs=

systemd.netdev(5)

AlternativeName=

systemd.link(5)

AlternativeNamesPolicy=
systemd.link(5)

Anonymize=
systemd.network(5)

Architecture=
systemd.link(5), systemd.netdev(5), systemd.network(5)

AssignToLoopback=
systemd.netdev(5)

AssociatedWith=
systemd.network(5)

AutoJoin=
systemd.network(5)

AutoNegotiation=
systemd.link(5)

BSSID=
systemd.network(5)

BindCarrier=
systemd.network(5)

BitRate=
systemd.network(5)

BitsPerSecond=
systemd.link(5)

BlackList=
systemd.network(5)

Bond=
systemd.network(5)

Bridge=
systemd.network(5)

Broadcast=
systemd.network(5)

Buckets=
systemd.network(5)

Burst=

systemd.network(5)

CEThresholdSec=

systemd.network(5)

Cache=

resolved.conf(5)

ClientIdentifier=

systemd.network(5)

CombinedChannels=

systemd.link(5)

ConfigureWithoutCarrier=

systemd.network(5)

CopyDSCP=

systemd.netdev(5)

Cost=

systemd.network(5)

DHCP=

systemd.network(5)

DHCPsServer=

systemd.network(5)

DNS=

resolved.conf(5), systemd.network(5)

DNSDefaultRoute=

systemd.network(5)

DNSLifetimeSec=

systemd.network(5)

DNSOverTLS=

resolved.conf(5), systemd.network(5)

DNSSEC=

resolved.conf(5), systemd.network(5)

DNSSECNegativeTrustAnchors=

systemd.network(5)

DNSStubListener=

resolved.conf(5)

DUIDRawData=
networkd.conf(5), systemd.network(5)

DUIDType=
networkd.conf(5), systemd.network(5)

DefaultLeaseTimeSec=
systemd.network(5)

DefaultPVID=
systemd.netdev(5)

DefaultRouteOnDevice=
systemd.network(5)

DelayJitterSec=
systemd.network(5)

DelaySec=
systemd.network(5)

Description=
systemd.link(5), systemd.netdev(5), systemd.network(5)

Destination=
systemd.network(5)

DestinationPort=
systemd.netdev(5), systemd.network(5)

DiscoverPathMTU=
systemd.netdev(5)

Domains=
resolved.conf(5), systemd.network(5)

DownDelaySec=
systemd.netdev(5)

Driver=
systemd.link(5), systemd.network(5)

Duplex=
systemd.link(5)

DuplicateAddressDetection=
systemd.network(5)

DuplicateRate=

systemd.network(5)

DynamicTransmitLoadBalancing=

systemd.netdev(5)

ECN=

systemd.network(5)

ERSPANIndex=

systemd.netdev(5)

EgressUntagged=

systemd.network(5)

EmitDNS=

systemd.network(5)

EmitDomains=

systemd.network(5)

EmitLLDP=

systemd.network(5)

EmitNTP=

systemd.network(5)

EmitRouter=

systemd.network(5)

EmitSIP=

systemd.network(5)

EmitTimezone=

systemd.network(5)

Encapsulation=

systemd.netdev(5)

EncapsulationLimit=

systemd.netdev(5)

EncapsulationType=

systemd.netdev(5)

Encrypt=

systemd.netdev(5)

Endpoint=

systemd.netdev(5)

FDBAgeingSec=
systemd.netdev(5)

FOUDestinationPort=
systemd.netdev(5)

FOUSourcePort=
systemd.netdev(5)

FailOverMACPolicy=
systemd.netdev(5)

FallbackDNS=
resolved.conf(5)

FallbackNTP=
timesyncd.conf(5)

Family=
systemd.network(5)

FastLeave=
systemd.network(5)

FastOpenNoCookie=
systemd.network(5)

FirewallMark=
systemd.netdev(5), systemd.network(5)

Flags=
systemd.netdev(5)

FlowLabel=
systemd.netdev(5)

FlowLimit=
systemd.network(5)

Flows=
systemd.network(5)

FooOverUDP=
systemd.netdev(5)

ForceDHCPv6PDOtherInformation=
systemd.network(5)

ForwardDelaySec=

systemd.netdev(5)

From=

systemd.network(5)

GVRP=

systemd.netdev(5)

Gateway=

systemd.network(5)

GatewayOnLink=

systemd.network(5)

GenericProtocolExtension=

systemd.netdev(5)

GenericReceiveOffload=

systemd.link(5)

GenericSegmentationOffload=

systemd.link(5)

GratuitousARP=

systemd.netdev(5)

Group=

systemd.netdev(5)

GroupForwardMask=

systemd.netdev(5)

GroupPolicyExtension=

systemd.netdev(5)

HairPin=

systemd.network(5)

Handle=

systemd.network(5)

HelloTimeSec=

systemd.netdev(5)

HomeAddress=

systemd.network(5)

Host=

systemd.link(5), systemd.netdev(5), systemd.network(5)

Hostname=

systemd.network(5)

IAID=

systemd.network(5)

IPDoNotFragment=

systemd.netdev(5)

IPForward=

systemd.network(5)

IPMasquerade=

systemd.network(5)

IPProtocol=

systemd.network(5)

IPServiceType=

systemd.network(5)

IPVLAN=

systemd.network(5)

IPv4LLRoute=

systemd.network(5)

IPv4ProxyARP=

systemd.network(5)

IPv6AcceptRA=

systemd.network(5)

IPv6DuplicateAddressDetection=

systemd.network(5)

IPv6FlowLabel=

systemd.netdev(5)

IPv6HopLimit=

systemd.network(5)

IPv6MTUBytes=

systemd.network(5)

IPv6Preference=

systemd.network(5)

IPv6PrefixDelegation=

systemd.network(5)

IPv6PrivacyExtensions=

systemd.network(5)

IPv6ProxyNDP=

systemd.network(5)

IPv6ProxyNDPAddress=

systemd.network(5)

IPv6RapidDeploymentPrefix=

systemd.netdev(5)

IPv6Token=

systemd.network(5)

ISATAP=

systemd.netdev(5)

Id=

systemd.netdev(5), systemd.network(5)

IgnoreCarrierLoss=

systemd.network(5)

IncomingInterface=

systemd.network(5)

Independent=

systemd.netdev(5)

InitialAdvertisedReceiveWindow=

systemd.network(5)

InitialCongestionWindow=

systemd.network(5)

InitialQuantum=

systemd.network(5)

InputKey=

systemd.netdev(5)

InterfaceId=

systemd.netdev(5)

IntervalSec=

systemd.network(5)

InvertRule=
systemd.network(5)

KeepConfiguration=
systemd.network(5)

KernelCommandLine=
systemd.link(5), systemd.netdev(5), systemd.network(5)

KernelVersion=
systemd.link(5), systemd.netdev(5), systemd.network(5)

Key=
systemd.netdev(5)

KeyFile=
systemd.netdev(5)

KeyId=
systemd.netdev(5)

Kind=
systemd.netdev(5)

L2MissNotification=
systemd.netdev(5)

L3MissNotification=
systemd.netdev(5)

LACPTransmitRate=
systemd.netdev(5)

LLDP=
systemd.network(5)

LLMNR=
resolved.conf(5), systemd.network(5)

Label=
systemd.network(5)

LargeReceiveOffload=
systemd.link(5)

LatencySec=
systemd.network(5)

Layer2SpecificHeader=

systemd.netdev(5)

LearnPacketIntervalSec=

systemd.netdev(5)

Learning=

systemd.network(5)

LifetimeSec=

systemd.network(5)

LimitSize=

systemd.network(5)

LinkLayerAddress=

systemd.network(5)

LinkLocalAddressing=

systemd.network(5)

ListenPort=

systemd.netdev(5), systemd.network(5)

Local=

systemd.netdev(5)

LooseBinding=

systemd.netdev(5)

LossRate=

systemd.network(5)

MACAddress=

systemd.link(5), systemd.netdev(5), systemd.network(5)

MACAddressPolicy=

systemd.link(5)

MACVLAN=

systemd.network(5)

MACsec=

systemd.network(5)

MIIMonitorSec=

systemd.netdev(5)

MPUBytes=

systemd.network(5)

MTUBytes=

systemd.link(5), systemd.netdev(5), systemd.network(5)

MVRP=

systemd.netdev(5)

MacLearning=

systemd.netdev(5)

ManageTemporaryAddress=

systemd.network(5)

Managed=

systemd.network(5)

MaxAgeSec=

systemd.netdev(5)

MaxAttempts=

systemd.network(5)

MaxLeaseTimeSec=

systemd.network(5)

MaximumFDBEntries=

systemd.netdev(5)

MaximumRate=

systemd.network(5)

MemoryLimit=

systemd.network(5)

Metric=

systemd.network(5)

MinLinks=

systemd.netdev(5)

Mode=

systemd.netdev(5)

MultiPathRoute=

systemd.network(5)

MultiQueue=

systemd.netdev(5)

Multicast=

systemd.network(5)

MulticastDNS=

resolved.conf(5), systemd.network(5)

MulticastFlood=

systemd.network(5)

MulticastIGMPVersion=

systemd.netdev(5)

MulticastQuerier=

systemd.netdev(5)

MulticastRouter=

systemd.network(5)

MulticastSnooping=

systemd.netdev(5)

MulticastToUnicast=

systemd.network(5)

NTP=

systemd.network(5), timesyncd.conf(5)

Name=

systemd.dnssd(5), systemd.link(5), systemd.netdev(5), systemd.network(5)

NamePolicy=

systemd.link(5)

NeighborSuppression=

systemd.network(5)

OnLink=

systemd.network(5)

OriginalName=

systemd.link(5)

OrphanMask=

systemd.network(5)

OtherChannels=

systemd.link(5)

OtherInformation=

systemd.network(5)

OutgoingInterface=
systemd.network(5)

OutputKey=
systemd.netdev(5)

PVID=
systemd.network(5)

Pacing=
systemd.network(5)

PacketInfo=
systemd.netdev(5)

PacketLimit=
systemd.network(5)

PacketNumber=
systemd.netdev(5)

PacketsPerSlave=
systemd.netdev(5)

Parent=
systemd.network(5)

Path=
systemd.link(5), systemd.network(5)

PeakRate=
systemd.network(5)

Peer=
systemd.netdev(5), systemd.network(5)

PeerPort=
systemd.netdev(5)

PeerSessionId=
systemd.netdev(5)

PeerTunnelId=
systemd.netdev(5)

PermanentMACAddress=
systemd.link(5), systemd.network(5)

PersistentKeepalive=

systemd.netdev(5)

PerturbPeriodSec=

systemd.network(5)

PollIntervalMaxSec=

timesyncd.conf(5)

PollIntervalMinSec=

timesyncd.conf(5)

PoolOffset=

systemd.network(5)

PoolSize=

systemd.network(5)

Port=

systemd.dnssd(5), systemd.link(5), systemd.netdev(5)

PortRange=

systemd.netdev(5)

PreferredLifetime=

systemd.network(5)

PreferredLifetimeSec=

systemd.network(5)

PreferredSource=

systemd.network(5)

Prefix=

systemd.network(5)

PrefixDelegationHint=

systemd.network(5)

PresharedKey=

systemd.netdev(5)

PresharedKeyFile=

systemd.netdev(5)

PrimaryReselectPolicy=

systemd.netdev(5)

PrimarySlave=

systemd.network(5)

Priority=
systemd.dnssd(5), systemd.netdev(5), systemd.network(5)

PrivateKey=
systemd.netdev(5)

PrivateKeyFile=
systemd.netdev(5)

Property=
systemd.link(5), systemd.network(5)

Protocol=
systemd.netdev(5), systemd.network(5)

ProxyARP=
systemd.network(5)

ProxyARPWiFi=
systemd.network(5)

PublicKey=
systemd.netdev(5)

Quantum=
systemd.network(5)

QuickAck=
systemd.network(5)

RapidCommit=
systemd.network(5)

Rate=
systemd.network(5)

ReadEtcHosts=
resolved.conf(5)

ReceiveChecksumOffload=
systemd.link(5)

ReduceARPProxy=
systemd.netdev(5)

Remote=
systemd.netdev(5)

RemoteChecksumRx=

systemd.netdev(5)

RemoteChecksumTx=

systemd.netdev(5)

ReorderHeader=

systemd.netdev(5)

RequestBroadcast=

systemd.network(5)

RequestOptions=

systemd.network(5)

RequiredForOnline=

systemd.network(5)

ResendIGMP=

systemd.netdev(5)

RestartSec=

systemd.network(5)

RootDistanceMaxSec=

timesyncd.conf(5)

Route=

systemd.network(5)

RouteMTUBytes=

systemd.network(5)

RouteMetric=

systemd.network(5)

RouteShortCircuit=

systemd.netdev(5)

RouteTable=

systemd.network(5)

RouterLifetimeSec=

systemd.network(5)

RouterPreference=

systemd.network(5)

RoutesToDNS=

systemd.network(5)
RxBufferSize=
systemd.link(5)
RxChannels=
systemd.link(5)
SIP=
systemd.network(5)
SSID=
systemd.network(5)
STP=
systemd.netdev(5)
SamplePoint=
systemd.network(5)
Scope=
systemd.network(5)
SendDecline=
systemd.network(5)
SendHostname=
systemd.network(5)
SendOption=
systemd.network(5)
SendRelease=
systemd.network(5)
SerializeTunneledPackets=
systemd.netdev(5)
SessionId=
systemd.netdev(5)
Source=
systemd.network(5)
SourcePort=
systemd.network(5)
SpeedMeter=
networkd.conf(5)

SpeedMeterIntervalSec=

networkd.conf(5)

SuppressPrefixLength=

systemd.network(5)

TCP6SegmentationOffload=

systemd.link(5)

TCPSegmentationOffload=

systemd.link(5)

TOS=

systemd.netdev(5)

TTL=

systemd.netdev(5)

TTLPropagate=

systemd.network(5)

Table=

systemd.netdev(5), systemd.network(5)

TargetSec=

systemd.network(5)

Timezone=

systemd.network(5)

To=

systemd.network(5)

TransmitChecksumOffload=

systemd.link(5)

TransmitHashPolicy=

systemd.netdev(5)

TripleSampling=

systemd.network(5)

Tunnel=

systemd.network(5)

TunnelId=

systemd.netdev(5)

TxBufferSize=

systemd.link(5)

TxChannels=
systemd.link(5)

TxtData=
systemd.dnssd(5)

TxtText=
systemd.dnssd(5)

Type=
systemd.dnssd(5), systemd.link(5), systemd.network(5)

TypeOfService=
systemd.network(5)

UDP6ZeroChecksumRx=
systemd.netdev(5)

UDP6ZeroChecksumTx=
systemd.netdev(5)

UDPChecksum=
systemd.netdev(5)

UDPDestinationPort=
systemd.netdev(5)

UDPSourcePort=
systemd.netdev(5)

UnicastFlood=
systemd.network(5)

Unmanaged=
systemd.network(5)

UpDelaySec=
systemd.netdev(5)

UseAutonomousPrefix=
systemd.network(5)

UseBPDU=
systemd.network(5)

UseDNS=
systemd.network(5)

UseDomains=

systemd.network(5)

UseForEncoding=

systemd.netdev(5)

UseGateway=

systemd.network(5)

UseHostname=

systemd.network(5)

UseMTU=

systemd.network(5)

UseNTP=

systemd.network(5)

UseOnLinkPrefix=

systemd.network(5)

UseRoutes=

systemd.network(5)

UseSIP=

systemd.network(5)

UseTimezone=

systemd.network(5)

User=

systemd.netdev(5), systemd.network(5)

UserClass=

systemd.network(5)

VLAN=

systemd.network(5)

VLANFiltering=

systemd.netdev(5)

VLANId=

systemd.network(5)

VNI=

systemd.netdev(5), systemd.network(5)

VNetHeader=

systemd.netdev(5)

VRF=

systemd.network(5)

VXLAN=

systemd.network(5)

ValidLifetimeSec=

systemd.network(5)

VendorClassIdentifier=

systemd.network(5)

Virtualization=

systemd.link(5), systemd.netdev(5), systemd.network(5)

WLANInterfaceType=

systemd.network(5)

WakeOnLan=

systemd.link(5)

Weight=

systemd.dnssd(5)

Xfrm=

systemd.network(5)

JOURNAL FIELDS

Fields in the journal events with a well known meaning.

CODE_FILE=

systemd.journal-fields(7)

CODE_FUNC=

systemd.journal-fields(7)

CODE_LINE=

systemd.journal-fields(7)

COREDUMP_UNIT=

systemd.journal-fields(7)

COREDUMP_USER_UNIT=

systemd.journal-fields(7)

ERRNO=

systemd.journal-fields(7)

INVOCATION_ID=

systemd.journal-fields(7)

MESSAGE=

systemd.journal-fields(7)

MESSAGE_ID=

systemd.journal-fields(7)

OBJECT_AUDIT_LOGINUID=

systemd.journal-fields(7)

OBJECT_AUDIT_SESSION=

systemd.journal-fields(7)

OBJECT_CMDLINE=

systemd.journal-fields(7)

OBJECT_COMM=

systemd.journal-fields(7)

OBJECT_EXE=

systemd.journal-fields(7)

OBJECT_GID=

systemd.journal-fields(7)

OBJECT_PID=

systemd.journal-fields(7)

OBJECT_SYSTEMD_CGROUP=

systemd.journal-fields(7)

OBJECT_SYSTEMD_OWNER_UID=

systemd.journal-fields(7)

OBJECT_SYSTEMD_SESSION=

systemd.journal-fields(7)

OBJECT_SYSTEMD_UNIT=

systemd.journal-fields(7)

OBJECT_SYSTEMD_USER_UNIT=

systemd.journal-fields(7)

OBJECT_UID=

systemd.journal-fields(7)

PRIORITY=

systemd.journal-fields(7)
SYSLOG_FACILITY=
systemd.journal-fields(7)
SYSLOG_IDENTIFIER=
systemd.journal-fields(7)
SYSLOG_PID=
systemd.journal-fields(7)
SYSLOG_RAW=
systemd.journal-fields(7)
SYSLOG_TIMESTAMP=
systemd.journal-fields(7)
USER_INVOCATION_ID=
systemd.journal-fields(7)
_AUDIT_LOGINUID=
systemd.journal-fields(7)
_AUDIT_SESSION=
systemd.journal-fields(7)
_BOOT_ID=
systemd.journal-fields(7)
_CAP_EFFECTIVE=
systemd.journal-fields(7)
_CMDLINE=
systemd.journal-fields(7)
_COMM=
systemd.journal-fields(7)
_EXE=
systemd.journal-fields(7)
_GID=
systemd.journal-fields(7)
_HOSTNAME=
systemd.journal-fields(7)
_KERNEL_DEVICE=
systemd.journal-fields(7)

_KERNEL_SUBSYSTEM=

systemd.journal-fields(7)

_LINE_BREAK=

systemd.journal-fields(7)

_MACHINE_ID=

systemd.journal-fields(7)

_NAMESPACE=

systemd.journal-fields(7)

_PID=

systemd.journal-fields(7)

_SELINUX_CONTEXT=

systemd.journal-fields(7)

_SOURCE_REALTIME_TIMESTAMP=

systemd.journal-fields(7)

_STREAM_ID=

systemd.journal-fields(7)

_SYSTEMD_CGROUP=

systemd.journal-fields(7)

_SYSTEMD_INVOCATION_ID=

systemd.journal-fields(7)

_SYSTEMD_OWNER_UID=

systemd.journal-fields(7)

_SYSTEMD_SESSION=

systemd.journal-fields(7)

_SYSTEMD_SLICE=

systemd.journal-fields(7)

_SYSTEMD_UNIT=

systemd.journal-fields(7)

_SYSTEMD_USER_SLICE=

systemd.journal-fields(7)

_SYSTEMD_USER_UNIT=

systemd.journal-fields(7)

_TRANSPORT=

systemd.journal-fields(7)

_UDEV_DEVLINK=

systemd.journal-fields(7)

_UDEV_DEVNODE=

systemd.journal-fields(7)

_UDEV_SYSNAME=

systemd.journal-fields(7)

_UID=

systemd.journal-fields(7)

__CURSOR=

systemd.journal-fields(7)

__MONOTONIC_TIMESTAMP=

systemd.journal-fields(7)

__REALTIME_TIMESTAMP=

systemd.journal-fields(7)

PAM CONFIGURATION DIRECTIVES

Directives for configuring PAM behaviour.

class=

pam_systemd(8)

debug

pam_systemd(8)

desktop=

pam_systemd(8)

systemd.cpu_weight

pam_systemd(8)

systemd.io_weight

pam_systemd(8)

systemd.memory_max

pam_systemd(8)

systemd.runtime_max_sec

pam_systemd(8)

systemd.tasks_max

pam_systemd(8)

type=

pam_systemd(8)

/ETC/CRYPTTAB AND /ETC/FSTAB OPTIONS

Options which influence mounted filesystems and encrypted volumes.

_netdev

crypttab(5), systemd.mount(5)

auto

systemd.mount(5), systemd.swap(5)

cipher=

crypttab(5)

discard

crypttab(5)

hash=

crypttab(5)

header=

crypttab(5)

key-slot=

crypttab(5)

keyfile-offset=

crypttab(5)

keyfile-size=

crypttab(5)

keyfile-timeout=

crypttab(5)

luks

crypttab(5)

noauto

crypttab(5), systemd.mount(5), systemd.swap(5)

nofail

crypttab(5), systemd.mount(5), systemd.swap(5)

offset=

crypttab(5)

pkcs11-uri=

crypttab(5)
plain
crypttab(5)
read-only
crypttab(5)
readonly
crypttab(5)
same-cpu-crypt
crypttab(5)
sector-size=
crypttab(5)
size=
crypttab(5)
skip=
crypttab(5)
submit-from-crypt-cpus
crypttab(5)
swap
crypttab(5)
tcrypt
crypttab(5)
tcrypt-hidden
crypttab(5)
tcrypt-keyfile=
crypttab(5)
tcrypt-system
crypttab(5)
tcrypt-veracrypt
crypttab(5)
timeout=
crypttab(5)
tmp
crypttab(5)

tries=

crypttab(5)

verify

crypttab(5)

x-initrd.attach

crypttab(5)

x-initrd.mount

systemd.mount(5)

x-systemd.after=

systemd.mount(5)

x-systemd.automount

systemd.mount(5)

x-systemd.before=

systemd.mount(5)

x-systemd.device-bound

systemd.mount(5)

x-systemd.device-timeout=

crypttab(5), systemd.mount(5), systemd.swap(5)

x-systemd.growfs

systemd.mount(5)

x-systemd.idle-timeout=

systemd.mount(5)

x-systemd.makefs

systemd.mount(5), systemd.swap(5)

x-systemd.mount-timeout=

systemd.mount(5)

x-systemd.required-by=

systemd.mount(5)

x-systemd.requires-mounts-for=

systemd.mount(5)

x-systemd.requires=

systemd.mount(5)

x-systemd.wanted-by=

systemd.mount(5)

SYSTEMD.NSPAWN(5) DIRECTIVES

Directives for configuring systemd-nspawn containers.

Bind=

systemd.nspawn(5)

BindReadOnly=

systemd.nspawn(5)

Boot=

systemd.nspawn(5)

Bridge=

systemd.nspawn(5)

CPUAffinity=

systemd.nspawn(5)

Capability=

systemd.nspawn(5)

DropCapability=

systemd.nspawn(5)

Environment=

systemd.nspawn(5)

Ephemeral=

systemd.nspawn(5)

Hostname=

systemd.nspawn(5)

IPVLAN=

systemd.nspawn(5)

Inaccessible=

systemd.nspawn(5)

Interface=

systemd.nspawn(5)

KillSignal=

systemd.nspawn(5)

LimitAS=

systemd.nspawn(5)

LimitCORE=

systemd.nspawn(5)

LimitCPU=

systemd.nspawn(5)

LimitDATA=

systemd.nspawn(5)

LimitFSIZE=

systemd.nspawn(5)

LimitLOCKS=

systemd.nspawn(5)

LimitMEMLOCK=

systemd.nspawn(5)

LimitMSGQUEUE=

systemd.nspawn(5)

LimitNICE=

systemd.nspawn(5)

LimitNOFILE=

systemd.nspawn(5)

LimitNPROC=

systemd.nspawn(5)

LimitRSS=

systemd.nspawn(5)

LimitRTPRIO=

systemd.nspawn(5)

LimitRTTIME=

systemd.nspawn(5)

LimitSIGPENDING=

systemd.nspawn(5)

LimitSTACK=

systemd.nspawn(5)

LinkJournal=

systemd.nspawn(5)

MACVLAN=

systemd.nspawn(5)

MachineID=

systemd.nspawn(5)

NoNewPrivileges=

systemd.nspawn(5)

NotifyReady=

systemd.nspawn(5)

OOMScoreAdjust=

systemd.nspawn(5)

Overlay=

systemd.nspawn(5)

OverlayReadOnly=

systemd.nspawn(5)

Parameters=

systemd.nspawn(5)

Personality=

systemd.nspawn(5)

PivotRoot=

systemd.nspawn(5)

Port=

systemd.nspawn(5)

Private=

systemd.nspawn(5)

PrivateUsers=

systemd.nspawn(5)

PrivateUsersChown=

systemd.nspawn(5)

ProcessTwo=

systemd.nspawn(5)

ReadOnly=

systemd.nspawn(5)

ResolvConf=

systemd.nspawn(5)

SystemCallFilter=

systemd.nspawn(5)

TemporaryFileSystem=

systemd.nspawn(5)

Timezone=

systemd.nspawn(5)

User=

systemd.nspawn(5)

VirtualEthernet=

systemd.nspawn(5)

VirtualEthernetExtra=

systemd.nspawn(5)

Volatile=

systemd.nspawn(5)

WorkingDirectory=

systemd.nspawn(5)

Zone=

systemd.nspawn(5)

PROGRAM CONFIGURATION OPTIONS

Directives for configuring the behaviour of the systemd process and other tools through configuration files.

AllowHibernation=

systemd-sleep.conf(5)

AllowHybridSleep=

systemd-sleep.conf(5)

AllowSuspend=

systemd-sleep.conf(5)

AllowSuspendThenHibernate=

systemd-sleep.conf(5)

CPUAffinity=

systemd-system.conf(5)

CapabilityBoundingSet=

systemd-system.conf(5)

Compress=

coredump.conf(5), journald.conf(5)

CrashChangeVT=

systemd-system.conf(5)

CrashReboot=

systemd-system.conf(5)

CrashShell=

systemd-system.conf(5)

CtrlAltDelBurstAction=

systemd-system.conf(5)

DefaultBlockIOAccounting=

systemd-system.conf(5)

DefaultCPUAccounting=

systemd-system.conf(5)

DefaultEnvironment=

systemd-system.conf(5)

DefaultIOAccounting=

systemd-system.conf(5)

DefaultIPAccounting=

systemd-system.conf(5)

DefaultLimitAS=

systemd-system.conf(5)

DefaultLimitCORE=

systemd-system.conf(5)

DefaultLimitCPU=

systemd-system.conf(5)

DefaultLimitDATA=

systemd-system.conf(5)

DefaultLimitFSIZE=

systemd-system.conf(5)

DefaultLimitLOCKS=

systemd-system.conf(5)

DefaultLimitMEMLOCK=

systemd-system.conf(5)
DefaultLimitMSGQUEUE=
systemd-system.conf(5)
DefaultLimitNICE=
systemd-system.conf(5)
DefaultLimitNOFILE=
systemd-system.conf(5)
DefaultLimitNPROC=
systemd-system.conf(5)
DefaultLimitRSS=
systemd-system.conf(5)
DefaultLimitRTPRIO=
systemd-system.conf(5)
DefaultLimitRTTIME=
systemd-system.conf(5)
DefaultLimitSIGPENDING=
systemd-system.conf(5)
DefaultLimitSTACK=
systemd-system.conf(5)
DefaultMemoryAccounting=
systemd-system.conf(5)
DefaultOOMPolicy=
systemd-system.conf(5)
DefaultRestartSec=
systemd-system.conf(5)
DefaultStandardError=
systemd-system.conf(5)
DefaultStandardOutput=
systemd-system.conf(5)
DefaultStartLimitBurst=
systemd-system.conf(5)
DefaultStartLimitIntervalSec=
systemd-system.conf(5)

DefaultTasksAccounting=

systemd-system.conf(5)

DefaultTasksMax=

systemd-system.conf(5)

DefaultTimeoutAbortSec=

systemd-system.conf(5)

DefaultTimeoutStartSec=

systemd-system.conf(5)

DefaultTimeoutStopSec=

systemd-system.conf(5)

DefaultTimerAccuracySec=

systemd-system.conf(5)

DumpCore=

systemd-system.conf(5)

ExternalSizeMax=

coredump.conf(5)

ForwardToConsole=

journald.conf(5)

ForwardToKMsg=

journald.conf(5)

ForwardToSyslog=

journald.conf(5)

ForwardToWall=

journald.conf(5)

HandleHibernateKey=

logind.conf(5)

HandleLidSwitch=

logind.conf(5)

HandleLidSwitchDocked=

logind.conf(5)

HandleLidSwitchExternalPower=

logind.conf(5)

HandlePowerKey=

logind.conf(5)
HandleSuspendKey=
 logind.conf(5)
HibernateDelaySec=
 systemd-sleep.conf(5)
HibernateKeyIgnoreInhibited=
 logind.conf(5)
HibernateMode=
 systemd-sleep.conf(5)
HibernateState=
 systemd-sleep.conf(5)
HoldoffTimeoutSec=
 logind.conf(5)
HybridSleepMode=
 systemd-sleep.conf(5)
HybridSleepState=
 systemd-sleep.conf(5)
IdleAction=
 logind.conf(5)
IdleActionSec=
 logind.conf(5)
InhibitDelayMaxSec=
 logind.conf(5)
InhibitorsMax=
 logind.conf(5)
JournalSizeMax=
 coredump.conf(5)
KExecWatchdogSec=
 systemd-system.conf(5)
KeepFree=
 coredump.conf(5)
KillExcludeUsers=
 logind.conf(5)

KillOnlyUsers=
 logind.conf(5)

KillUserProcesses=
 logind.conf(5)

LidSwitchIgnoreInhibited=
 logind.conf(5)

LineMax=
 journal.conf(5)

LogColor=
 systemd-system.conf(5)

LogLevel=
 systemd-system.conf(5)

LogLocation=
 systemd-system.conf(5)

LogTarget=
 systemd-system.conf(5)

MaxFileSec=
 journal.conf(5)

MaxLevelConsole=
 journal.conf(5)

MaxLevelKMsg=
 journal.conf(5)

MaxLevelStore=
 journal.conf(5)

MaxLevelSyslog=
 journal.conf(5)

MaxLevelWall=
 journal.conf(5)

MaxRetentionSec=
 journal.conf(5)

MaxUse=
 coredump.conf(5)

NAutoVTs=

logind.conf(5)
NUMAMask=
systemd-system.conf(5)
NUMAPolicy=
systemd-system.conf(5)
NoNewPrivileges=
systemd-system.conf(5)
PowerKeyIgnoreInhibited=
logind.conf(5)
ProcessSizeMax=
coredump.conf(5)
RateLimitBurst=
journald.conf(5)
RateLimitIntervalSec=
journald.conf(5)
ReadKMsg=
journald.conf(5)
RebootWatchdogSec=
systemd-system.conf(5)
RemoveIPC=
logind.conf(5)
ReserveVT=
logind.conf(5)
RuntimeDirectorySize=
logind.conf(5)
RuntimeKeepFree=
journald.conf(5)
RuntimeMaxFileSize=
journald.conf(5)
RuntimeMaxFiles=
journald.conf(5)
RuntimeMaxUse=
journald.conf(5)

RuntimeWatchdogSec=

systemd-system.conf(5)

Seal=

journal-remote.conf(5), journald.conf(5)

ServerCertificateFile=

journal-remote.conf(5), journal-upload.conf(5)

ServerKeyFile=

journal-remote.conf(5), journal-upload.conf(5)

SessionsMax=

logind.conf(5)

ShowStatus=

systemd-system.conf(5)

SplitMode=

journal-remote.conf(5), journald.conf(5)

StatusUnitFormat=

systemd-system.conf(5)

Storage=

coredump.conf(5), journald.conf(5), pstore.conf(5)

SuspendKeyIgnoreInhibited=

logind.conf(5)

SuspendMode=

systemd-sleep.conf(5)

SuspendState=

systemd-sleep.conf(5)

SyncIntervalSec=

journald.conf(5)

SystemCallArchitectures=

systemd-system.conf(5)

SystemKeepFree=

journald.conf(5)

SystemMaxFileSize=

journald.conf(5)

SystemMaxFiles=

journald.conf(5)
SystemMaxUse=
journald.conf(5)
TTYPath=
journald.conf(5)
TimerSlackNSec=
systemd-system.conf(5)
TrustedCertificateFile=
journal-remote.conf(5), journal-upload.conf(5)
URL=
journal-upload.conf(5)
Unlink=
pstore.conf(5)
UserStopDelaySec=
logind.conf(5)
WatchdogDevice=
systemd-system.conf(5)
children_max=
udev.conf(5)
event_timeout=
udev.conf(5)
exec_delay=
udev.conf(5)
resolve_names=
udev.conf(5)
udev_log=
udev.conf(5)

COMMAND LINE OPTIONS

Command-line options accepted by programs in the systemd suite.

--accept
systemd-socket-activate(1)
--accept-cached
systemd-ask-password(1)

--acquired
busctl(1)

--action
udevadm(8)

--activatable
busctl(1)

--address
busctl(1)

--adjust-system-clock
timedatectl(1)

--after
systemctl(1)

--after-cursor
journalctl(1), systemd-journal-upload.service(8)

--all
journalctl(1), loginctl(1), machinectl(1), networkctl(1), systemctl(1),
systemd-cgls(1), timedatectl(1)

--allow-interactive-authorization
busctl(1)

--any
systemd-networkd-wait-online.service(8)

--app-specific
systemd-id128(1)

--are-updates-enabled
resolvectl(1)

--as-pid2
systemd-nspawn(1)

--attr-match
udevadm(8)

--attr-nomatch
udevadm(8)

--attribute-walk
udevadm(8)

--augment-creds
 busctl(1)

--auto-start
 busctl(1)

--automount
 systemd-mount(1)

--automount-property
 systemd-mount(1)

--base-time
 systemd-analyze(1)

--batch
 systemd-cgtop(1)

--before
 systemctl(1)

--bind
 systemd-nspawn(1)

--bind-device
 systemd-mount(1)

--bind-ro
 systemd-nspawn(1)

--boot[=[ID][?offset]]all
 journalctl(1), systemd-nspawn(1), systemd-tmpfiles(8)

--boot-loader-entry
 systemctl(1)

--boot-loader-menu
 systemctl(1)

--boot-path
 bootctl(1)

--booted
 systemd-notify(1)

--capability
 systemd-nspawn(1)

--case-sensitive[=BOOLEAN]

journalctl(1)

--cat

portablectl(1)

--cat-config

systemd-binfmt.service(8), systemd-sysctl.service(8), systemd-sysusers(8),
systemd-tmpfiles(8)

--catalog

journalctl(1)

--cert

systemd-journal-gatewayd.service(8), systemd-journal-remote.service(8),
systemd-journal-upload.service(8)

--chdir

systemd-nspawn(1)

--children-max

systemd-udev.service(8), udevadm(8)

--chroot

systemd-detect-virt(1)

--class

resolvectl(1)

--clean

systemd-tmpfiles(8)

--cleanup-db

udevadm(8)

--cname

resolvectl(1)

--collect

systemd-mount(1), systemd-run(1)

--commit

systemd-machine-id-setup(1)

--compress

systemd-journal-remote.service(8)

--confirm-spawn

systemd(1)

--connections-max
systemd-socket-proxyd(8)

--console
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--list-boots
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--listen-http
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--network-namespace-path

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--nice

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--no-ask-password

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--no-block

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--no-convert

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--no-legend

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--no-new-privileges

systemd-nspawn(1)

--no-output

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--no-pager

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--no-tty
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--on-boot
systemd-run(1)

--on-calendar
systemd-run(1)

--on-clock-change
systemd-run(1)

--on-startup
systemd-run(1)

--on-timezone-change
systemd-run(1)

--on-unit-active
systemd-run(1)

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--oom-score-adjust
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--resolv-conf
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--selinux-context
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