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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-udevd.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)

```

ENVIRONMENT VARIABLES

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

```

$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
    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)
$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)

\$SERVICE_RESULT
systemd.exec(5)

\$SHELL
systemd.exec(5)

\$SYSTEMD_COLORS
systemd(1)

\$SYSTEMD_DEBUGGER
coredumpctl(1)

\$SYSTEMD_EDITOR
systemctl(1)

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

\$SYSTEMD_SYSVINIT_PATH
systemd(1)

\$SYSTEMD_SYSVRCND_PATH
systemd(1)

\$SYSTEMD_TIMEDATED_NTP_SERVICES
systemd-timedated.service(8)

\$SYSTEMD_UNIT_PATH
systemd(1)

```

$SYSTEMD_URLIFY
    systemd(1)

$TERM
    systemd.exec(5)

$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)

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)

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)***ARPAllTargets=***systemd.netdev(5)***ARPIPTargets=***systemd.netdev(5)***ARPIntervalSec=*

```

systemd.netdev(5)
ARPValidate=
systemd.netdev(5)
ActiveSlave=
systemd.network(5)
AdActorSystem=
systemd.netdev(5)
AdActorSystemPriority=
systemd.netdev(5)
AdSelect=
systemd.netdev(5)
AdUserPortKey=
systemd.netdev(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)
Anonymize=
systemd.network(5)
Architecture=
systemd.link(5), systemd.netdev(5), systemd.network(5)
AutoJoin=
systemd.network(5)
AutoNegotiation=
systemd.link(5)
BindCarrier=
systemd.network(5)
BitRate=
systemd.network(5)

```

```

BitsPerSecond=
    systemd.link(5)

Bond=
    systemd.network(5)

Bridge=
    systemd.network(5)

Broadcast=
    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)

DHCPServer=
    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)

```

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)

DynamicTransmitLoadBalancing=
 systemd.netdev(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)

EmitTimezone=
 systemd.network(5)

Encapsulation=
 systemd.netdev(5)

EncapsulationLimit=
 systemd.netdev(5)

EncapsulationType=
 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)

FastLeave=
 systemd.network(5)

FirewallMark=
 systemd.network(5)

Flags=
 systemd.netdev(5)

FlowLabel=
 systemd.netdev(5)

FooOverUDP=
 systemd.netdev(5)

ForceDHCPv6PDOtherInformation=
 systemd.network(5)

ForwardDelaySec=
 systemd.netdev(5)

From=
 systemd.network(5)

FwMark=
 systemd.netdev(5)

GVRP=
 systemd.netdev(5)

Gateway=
 systemd.network(5)

GatewayOnLink=
 systemd.network(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)

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)

IPForward=
 systemd.network(5)

IPMasquerade=
 systemd.network(5)

IPProtocol=
 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)
IgnoreCarrierLoss=
    systemd.network(5)
IncomingInterface=
    systemd.network(5)
Independent=
    systemd.netdev(5)
InitialAdvertisedReceiveWindow=
    systemd.network(5)
InitialCongestionWindow=
    systemd.network(5)
InputKey=
    systemd.netdev(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)
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)
Layer2SpecificHeader=
    systemd.netdev(5)

```

LearnPacketIntervalSec=
 systemd.netdev(5)

Learning=
 systemd.network(5)

LinkLocalAddressing=
 systemd.network(5)

ListenPort=
 systemd.netdev(5), **systemd.network**(5)

Local=
 systemd.netdev(5)

LooseBinding=
 systemd.netdev(5)

MACAddress=
 systemd.link(5), **systemd.netdev**(5), **systemd.network**(5)

MACAddressPolicy=
 systemd.link(5)

MACVLAN=
 systemd.network(5)

MIIMonitorSec=
 systemd.netdev(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)

MaxLeaseTimeSec=
 systemd.network(5)

MaximumFDBEntries=
 systemd.netdev(5)

Metric=
 systemd.network(5)

MinLinks=
 systemd.netdev(5)

Mode=
 systemd.netdev(5)

MultiQueue=
 systemd.netdev(5)

Multicast=
 systemd.network(5)

MulticastDNS=
 resolved.conf(5), systemd.network(5)
MulticastFlood=
 systemd.network(5)
MulticastQuerier=
 systemd.netdev(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)
OneQueue=
 systemd.netdev(5)
OriginalName=
 systemd.link(5)
OtherChannels=
 systemd.link(5)
OtherInformation=
 systemd.network(5)
OutgoingInterface=
 systemd.network(5)
OutputKey=
 systemd.netdev(5)
PVID=
 systemd.network(5)
PacketInfo=
 systemd.netdev(5)
PacketsPerSlave=
 systemd.netdev(5)
Path=
 systemd.link(5), systemd.network(5)
Peer=
 systemd.netdev(5), systemd.network(5)
PeerSessionId=
 systemd.netdev(5)
PeerTunnelId=
 systemd.netdev(5)

PersistentKeepalive=
 systemd.netdev(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)
PrefixRoute=
 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)
Protocol=
 systemd.netdev(5), **systemd.network**(5)
PublicKey=
 systemd.netdev(5)
QuickAck=
 systemd.network(5)
RapidCommit=
 systemd.network(5)

ReadEtcHosts=
 resolved.conf(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)

RequiredForOnline=
 systemd.network(5)

ResendIGMP=
 systemd.netdev(5)

RestartSec=
 systemd.network(5)

RootDistanceMaxSec=
 timesyncd.conf(5)

RouteMetric=
 systemd.network(5)

RouteShortCircuit=
 systemd.netdev(5)

RouteTable=
 systemd.network(5)

RouterLifetimeSec=
 systemd.network(5)

RouterPreference=
 systemd.network(5)

RxChannels=
 systemd.link(5)

STP=
 systemd.netdev(5)

SamplePoint=
 systemd.network(5)

Scope=
 systemd.network(5)

SendHostname=
 systemd.network(5)

SerializeTunneledPackets=
 systemd.netdev(5)

SessionId=
 systemd.netdev(5)

```

Source=
    systemd.network(5)

SourcePort=
    systemd.network(5)

TCP6SegmentationOffload=
    systemd.link(5)

TCPSegmentationOffload=
    systemd.link(5)

TOS=
    systemd.netdev(5)

TTL=
    systemd.netdev(5)

Table=
    systemd.network(5)

Timezone=
    systemd.network(5)

To=
    systemd.network(5)

TransmitHashPolicy=
    systemd.netdev(5)

TripleSampling=
    systemd.network(5)

Tunnel=
    systemd.network(5)

TunnelId=
    systemd.netdev(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)

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)
UseHostname=
    systemd.network(5)
UseMTU=
    systemd.network(5)
UseNTP=
    systemd.network(5)
UseOnLinkPrefix=
    systemd.network(5)
UseRoutes=
    systemd.network(5)
UseTimezone=
    systemd.network(5)
User=
    systemd.netdev(5)
UserClass=
    systemd.network(5)
VLAN=
    systemd.network(5)
VLANFiltering=
    systemd.netdev(5)
VLANId=
    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)

```


WakeOnLan=
systemd.link(5)

Weight=
systemd.dnssd(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)

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)
_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)
_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_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.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)

luks
crypttab(5)

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

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

offset=
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.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.requires-mounts-for=
    systemd.mount(5)
x-systemd.requires=
    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)

ResolveConf=
 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)

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)

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)

KeepFree=
 coredump.conf(5)

KillExcludeUsers=
 logind.conf(5)

KillOnlyUsers=
 logind.conf(5)

KillUserProcesses=
 logind.conf(5)

LidSwitchIgnoreInhibited=
 logind.conf(5)

LineMax=
 journald.conf(5)

LogColor=
 systemd-system.conf(5)

LogLevel=
 systemd-system.conf(5)

LogLocation=
 systemd-system.conf(5)

LogTarget=
 systemd-system.conf(5)

MaxFileSec=
 journald.conf(5)

MaxLevelConsole=
 journald.conf(5)

MaxLevelKMsg=
 journald.conf(5)

MaxLevelStore=
 journald.conf(5)

MaxLevelSyslog=
 journald.conf(5)

MaxLevelWall=
 journald.conf(5)

MaxRetentionSec=
 journald.conf(5)

MaxUse=
 coredump.conf(5)

NAutoVTs=
 logind.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)

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)

ShutdownWatchdogSec=
 systemd-system.conf(5)

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

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

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-property=
    systemd-mount(1)
--automount=
    systemd-mount(1)
--batch
    systemd-cgtop(1)
--before
    systemctl(1)
--bind-device=
    systemd-mount(1)
--bind-ro=
    systemd-nspawn(1)
--bind=
    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
    systemd-tty-ask-password-agent(1)
--console=
    systemd-nspawn(1)
--container
    systemd-detect-virt(1)
--copy=
    portablectl(1)
--cpu-affinity=
    systemd-nspawn(1)
--cpu=
    systemd-cgtop(1)
--crash-reboot
    systemd(1)
--crash-shell
    systemd(1)
--crash-vt=
    systemd(1)
--create
    systemd-tmpfiles(8)
--cursor-file=
    journalctl(1)
--cursor=
    journalctl(1), systemd-journal-upload.service(8)
--daemon
    systemd-udevd.service(8)
--datagram
    systemd-socket-activate(1)

```



```

--debug
    systemd-udevd.service(8), udevadm(8)

--debugger=
    coredumpctl(1)

--default-standard-error=
    systemd(1)

--default-standard-output=
    systemd(1)

--delay=
    systemd-cgtop(1)

--depth=
    systemd-cgtop(1)

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

--destination=
    busctl(1)

--device-id-of-file=
    udevadm(8)

--diff=
    systemd-delta(1)

--directory=
    coredumpctl(1), journalctl(1), systemd-journal-gatewayd.service(8), systemd-journal-
upload.service(8), systemd-nspawn(1)

--disable-updates
    resolvectl(1)

--discover
    systemd-mount(1)

--disk-usage
    journalctl(1)

--dmesg
    journalctl(1)

--drop-capability=
    systemd-nspawn(1)

--dry-run
    systemctl(1), udevadm(8)

--dump-bus-properties
    systemd(1)

--dump-catalog
    journalctl(1)

--dump-configuration-items
    systemd(1)

--dump-core
    systemd(1)

--echo
    systemd-ask-password(1)

--enable-updates

```

```

    resolvectl(1)
--ephemeral
    systemd-nspawn(1)
--esp-path=
    bootctl(1)
--event-timeout=
    systemd-udev.service(8)
--exclude-prefix=
    systemd-tmpfiles(8)
--exec-delay=
    systemd-udev.service(8)
--exit
    udevadm(8)
--exit-if-exists=
    udevadm(8)
--expect-reply=
    busctl(1)
--export
    udevadm(8)
--export-db
    udevadm(8)
--export-prefix=
    udevadm(8)
--fail
    systemctl(1)
--failed
    systemctl(1)
--fdname=
    systemd-socket-activate(1)
--field=
    coredumpctl(1), journalctl(1)
--fields
    journalctl(1)
--file=
    journalctl(1), systemd-journal-upload.service(8)
--firmware-setup
    systemctl(1)
--flush
    journalctl(1)
--follow
    journalctl(1), systemd-journal-upload.service(8)
--force
    halt(8), journalctl(1), machinectl(1), systemctl(1)
--format=
    machinectl(1)

```

```

--from-pattern=
    systemd-analyze(1)
--fsck=
    systemd-mount(1)
--full
    journalctl(1), loginctl(1), machinectl(1), systemctl(1), systemd-cgls(1)
--fuzz=
    systemd-analyze(1)
--generators
    systemd-analyze(1)
--getter=PROG [OPTIONS...]'
    systemd-journal-remote.service(8)
--gid=
    systemd-run(1)
--global
    systemctl(1), systemd-analyze(1)
--gnutls-log=
    systemd-journal-remote.service(8)
--grep=
    journalctl(1)
--halt
    halt(8), shutdown(8)
--header
    journalctl(1)
--help
    bootctl(1), busctl(1), coredumpctl(1), halt(8), hostnamectl(1), journalctl(1), kernel-install(8),
    localectl(1), loginctl(1), machinectl(1), networkctl(1), portablectl(1), resolvectl(1), runlevel(8),
    shutdown(8), systemctl(1), systemd(1), systemd-analyze(1), systemd-ask-password(1), systemd-
    binfmt.service(8), systemd-bless-boot.service(8), systemd-cat(1), systemd-cgls(1), systemd-
    cgtop(1), systemd-delta(1), systemd-detect-virt(1), systemd-escape(1), systemd-fsckd.service(8),
    systemd-hwdb(8), systemd-id128(1), systemd-inhibit(1), systemd-journal-gatewayd.service(8),
    systemd-journal-remote.service(8), systemd-journal-upload.service(8), systemd-machine-id-
    setup(1), systemd-mount(1), systemd-networkd-wait-online.service(8), systemd-notify(1),
    systemd-nspawn(1), systemd-path(1), systemd-run(1), systemd-socket-activate(1), systemd-
    socket-proxyd(8), systemd-suspend.service(8), systemd-sysctl.service(8), systemd-sysusers(8),
    systemd-tmpfiles(8), systemd-tty-ask-password-agent(1), systemd-udev.service(8), telinit(8),
    timedatectl(1), udevadm(8)
--host=
    busctl(1), hostnamectl(1), localectl(1), loginctl(1), machinectl(1), portablectl(1), systemctl(1),
    systemd-analyze(1), systemd-mount(1), systemd-run(1), timedatectl(1)
--hostname=
    systemd-nspawn(1)
--icon=
    systemd-ask-password(1)
--id=
    systemd-ask-password(1)
--identifier=
    journalctl(1), systemd-cat(1)

```

```

--ignore-inhibitors
    systemctl(1)

--ignore=
    systemd-networkd-wait-online.service(8)

--image=
    systemd-nspawn(1)

--inaccessible=
    systemd-nspawn(1)

--inetd
    systemd-socket-activate(1)

--inline
    systemd-sysusers(8)

--instance
    systemd-escape(1)

--interface=
    resolvectl(1), systemd-networkd-wait-online.service(8)

--interval=
    journalctl(1)

--iterations=
    systemd-analyze(1), systemd-cgtop(1)

--job-mode=
    systemctl(1)

--json=
    busctl(1)

--keep-unit
    systemd-nspawn(1)

--kernel
    udevadm(8)

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

--keyname=
    systemd-ask-password(1)

--kill-signal=
    systemd-nspawn(1)

--kill-who=
    loginctl(1), machinectl(1), systemctl(1)

--legend=
    resolvectl(1)

--level-prefix=
    systemd-cat(1)

--lines=
    journalctl(1), loginctl(1), machinectl(1), systemctl(1)

--link-journal=
    systemd-nspawn(1)

--list

```

```

    busctl(1), systemd-detect-virt(1), systemd-inhibit(1), systemd-mount(1), systemd-tty-ask-
    password-agent(1)
--list-boots
    journalctl(1)
--list-catalog
    journalctl(1)
--listen-http=
    systemd-journal-remote.service(8)
--listen-https=
    systemd-journal-remote.service(8)
--listen-raw=
    systemd-journal-remote.service(8)
--listen=
    systemd-socket-activate(1)
--log-color=
    systemd(1)
--log-level=
    systemd(1)
--log-location=
    systemd(1)
--log-priority=
    udevadm(8)
--log-target=
    systemd(1)
--machine-id=
    systemd(1)
--machine=
    busctl(1), hostnamectl(1), journalctl(1), localectl(1), loginctl(1), machinectl(1), portablectl(1),
    systemctl(1), systemd-analyze(1), systemd-cgls(1), systemd-cgtop(1), systemd-mount(1), systemd-
    nspawn(1), systemd-run(1), timedatectl(1)
--man=
    systemd-analyze(1)
--mangle
    systemd-escape(1)
--match=
    busctl(1)
--max-addresses=
    machinectl(1)
--merge
    journalctl(1), systemd-journal-upload.service(8)
--message=
    systemctl(1)
--mkdir
    machinectl(1)
--mode=
    systemd-inhibit(1)

```

```

--monitor
    timedatectl(1)
--multiple
    systemd-ask-password(1)
--name-match=
    udevadm(8)
--name=
    udevadm(8)
--network-bridge=
    systemd-nspawn(1)
--network-interface=
    systemd-nspawn(1)
--network-ipvlan=
    systemd-nspawn(1)
--network-macvlan=
    systemd-nspawn(1)
--network-namespace-path=
    systemd-nspawn(1)
--network-veth
    systemd-nspawn(1)
--network-veth-extra=
    systemd-nspawn(1)
--network-zone=
    systemd-nspawn(1)
--nice=
    systemd-run(1)
--no-ask-password
    hostnamectl(1), localectl(1), loginctl(1), machinectl(1), portablectl(1), systemctl(1), systemd-
    mount(1), systemd-run(1), timedatectl(1)
--no-block
    systemctl(1), systemd-mount(1), systemd-run(1)
--no-convert
    localectl(1)
--no-full
    journalctl(1)
--no-hostname
    journalctl(1)
--no-legend
    busctl(1), coredumpctl(1), loginctl(1), machinectl(1), networkctl(1), portablectl(1), systemctl(1),
    systemd-inhibit(1)
--no-new-privileges=
    systemd-nspawn(1)
--no-output
    systemd-ask-password(1)
--no-pager
    bootctl(1), busctl(1), coredumpctl(1), journalctl(1), localectl(1), loginctl(1), machinectl(1),

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    networkctl(1), portabled(1), resolvectl(1), systemctl(1), systemd-analyze(1), systemd-
    binfmt.service(8), systemd-cgls(1), systemd-delta(1), systemd-inhibit(1), systemd-mount(1),
    systemd-nspawn(1), systemd-sysctl.service(8), systemd-sysusers(8), systemd-tmpfiles(8),
    timedatectl(1)
--no-reload
    portabled(1), systemctl(1)
--no-sync
    halt(8)
--no-tail
    journalctl(1)
--no-tty
    systemd-ask-password(1)
--no-variables
    bootctl(1)
--no-wall
    halt(8), shutdown(8), systemctl(1), telinit(8)
--no-wtmp
    halt(8)
--notify-ready=
    systemd-nspawn(1)
--now
    systemctl(1)
--oci-bundle=
    systemd-nspawn(1)
--on-active=
    systemd-run(1)
--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)
--on-unit-inactive=
    systemd-run(1)
--oom-score-adjust=
    systemd-nspawn(1)
--operational-state=
    systemd-networkd-wait-online.service(8)
--options=
    systemd-mount(1)

```

```

--order
    systemd-analyze(1)
--order=
    systemd-cgtop(1)
--output-fields=
    journalctl(1)
--output=
    coredumpctl(1), journalctl(1), loginctl(1), machinectl(1), systemctl(1), systemd-journal-remote.service(8)
--overlay-ro=
    systemd-nspawn(1)
--overlay=
    systemd-nspawn(1)
--owner=
    systemd-mount(1)
--pager-end
    journalctl(1)
--parent-match=
    udevadm(8)
--path
    systemd-escape(1)
--path-property=
    systemd-run(1)
--path=
    udevadm(8)
--personality=
    systemd-nspawn(1)
--pid=
    systemd-notify(1)
--ping
    udevadm(8)
--pipe
    systemd-nspawn(1), systemd-run(1)
--pivot-root=
    systemd-nspawn(1)
--plain
    systemctl(1)
--plymouth
    systemd-tty-ask-password-agent(1)
--port=
    systemd-nspawn(1)
--poweroff
    halt(8), shutdown(8)
--prefix=
    systemd-sysctl.service(8), systemd-tmpfiles(8)
--preset-mode=

```



```

    systemctl(1)
--pretty
    hostnamectl(1), systemd-id128(1)
--print
    systemd-machine-id-setup(1)
--print-boot-path
    bootctl(1)
--print-esp-path
    bootctl(1)
--priority=
    journalctl(1), systemd-cat(1)
--private-network
    systemd-nspawn(1)
--private-users
    systemd-detect-virt(1)
--private-users-chown
    systemd-nspawn(1)
--private-users=
    systemd-nspawn(1)
--profile=
    portablectl(1)
--property
    udevadm(8)
--property-match=
    udevadm(8)
--property=
    loginctl(1), machinectl(1), systemctl(1), systemd-mount(1), systemd-nspawn(1), systemd-run(1),
    timedatectl(1), udevadm(8)
--protocol=
    resolvectl(1)
--pty
    systemd-run(1)
--query
    systemd-tty-ask-password-agent(1)
--query=
    udevadm(8)
--quiet
    busctl(1), coredumpctl(1), journalctl(1), machinectl(1), portablectl(1), systemctl(1), systemd-
    detect-virt(1), systemd-mount(1), systemd-networkd-wait-online.service(8), systemd-nspawn(1),
    systemd-run(1)
--raw
    resolvectl(1), systemd-cgtop(1)
--read-only
    machinectl(1), systemd-nspawn(1)
--ready
    systemd-notify(1)

```

```

--reboot
    halt(8), shutdown(8)

--recursive
    systemctl(1)

--recursive=
    systemd-cgtop(1)

--register=
    systemd-nspawn(1)

--reload
    udevadm(8)

--remain-after-exit
    systemd-run(1)

--remove
    systemd-tmpfiles(8)

--replace=
    systemd-sysusers(8), systemd-tmpfiles(8)

--require
    systemd-analyze(1)

--resolve-conf=
    systemd-nspawn(1)

--resolve-names=
    systemd-udevd.service(8), udevadm(8)

--reverse
    coredumpctl(1), journalctl(1), systemctl(1)

--rlimit=
    systemd-nspawn(1)

--root
    udevadm(8)

--root-hash=
    systemd-nspawn(1)

--root=
    journalctl(1), systemctl(1), systemd-analyze(1), systemd-hwdb(8), systemd-machine-id-setup(1),
    systemd-sysusers(8), systemd-tmpfiles(8)

--rotate
    journalctl(1)

--runtime
    portablectl(1), systemctl(1)

--same-dir
    systemd-run(1)

--save-state
    systemd-journal-upload.service(8)

--scope
    systemd-run(1)

--seal
    systemd-journal-remote.service(8)

--search=

```

```

    resolvectl(1)
--selinux-apifs-context=
    systemd-nspawn(1)
--selinux-context=
    systemd-nspawn(1)
--send-sighup
    systemd-run(1)
--seqpacket
    systemd-socket-activate(1)
--service-address=
    resolvectl(1)
--service-txt=
    resolvectl(1)
--service-type=
    systemd-run(1)
--service-watchdogs=
    systemd(1)
--setenv=
    machinectl(1), systemd-nspawn(1), systemd-run(1), systemd-socket-activate(1)
--settings=
    systemd-nspawn(1)
--settle
    udevadm(8)
--setup-keys
    journalctl(1)
--shell
    systemd-run(1)
--show-cursor
    journalctl(1)
--show-machine
    busctl(1)
--show-status=
    systemd(1)
--show-transaction
    systemctl(1)
--show-types
    systemctl(1)
--signal=
    loginctl(1), machinectl(1), systemctl(1)
--since
    coredumpctl(1)
--since=
    journalctl(1)
--size=
    busctl(1)

```

```

--slice=
    systemd-nspawn(1), systemd-run(1)
--socket-property=
    systemd-run(1)
--split-mode
    systemd-journal-remote.service(8)
--start-exec-queue
    udevadm(8)
--state=
    systemctl(1)
--static
    hostnamectl(1)
--status=
    systemd-notify(1)
--stderr-priority=
    systemd-cat(1)
--stop-exec-queue
    udevadm(8)
--strict
    systemd-hwdb(8)
--subsystem-match=
    udevadm(8)
--subsystem-nomatch=
    udevadm(8)
--suffix=
    systemd-escape(1), systemd-path(1)
--sync
    journalctl(1)
--sysname-match=
    udevadm(8)
--system
    busctl(1), journalctl(1), systemctl(1), systemd(1), systemd-analyze(1), systemd-journal-
upload.service(8), systemd-mount(1), systemd-run(1)
--system-call-filter=
    systemd-nspawn(1)
--tag-match=
    udevadm(8)
--template=
    systemd-escape(1), systemd-nspawn(1)
--test
    systemd(1)
--timeout-idle-sec=
    systemd-mount(1)
--timeout=
    busctl(1), systemd-ask-password(1), systemd-networkd-wait-online.service(8), udevadm(8)
--timer-property=

```

```

    systemd-run(1)
--timezone=
    systemd-nspawn(1)
--tmpfs=
    systemd-nspawn(1)
--to-pattern=
    systemd-analyze(1)
--transient
    hostnamectl(1)
--trust=
    systemd-journal-gatewayd.service(8), systemd-journal-remote.service(8), systemd-journal-upload.service(8)
--type=
    resolvectl(1), systemctl(1), systemd-delta(1), systemd-mount(1), udevadm(8)
--udev
    udevadm(8)
--uid=
    machinectl(1), systemd-notify(1), systemd-run(1)
--umount
    systemd-mount(1)
--unescape
    systemd-escape(1)
--unique
    busctl(1)
--unit
    systemd-cgls(1)
--unit=
    journalctl(1), systemd(1), systemd-run(1)
--until
    coredumpctl(1)
--until=
    journalctl(1)
--update-catalog
    journalctl(1)
--url=
    systemd-journal-remote.service(8), systemd-journal-upload.service(8)
--user
    busctl(1), journalctl(1), systemctl(1), systemd(1), systemd-analyze(1), systemd-journal-upload.service(8), systemd-mount(1), systemd-run(1), systemd-tmpfiles(8)
--user-unit
    systemd-cgls(1)
--user-unit=
    journalctl(1)
--user=
    systemd-nspawn(1)
--usr

```

```

    systemd-hwdb(8)
--utc
    journalctl(1)
--uuid=
    systemd-nspawn(1)
--vacuum-files=
    journalctl(1)
--vacuum-size=
    journalctl(1)
--vacuum-time=
    journalctl(1)
--value
    loginctl(1), machinectl(1), systemctl(1), timedatectl(1)
--verbose
    busctl(1), kernel-install(8), udevadm(8)
--verify
    journalctl(1)
--verify-key=
    journalctl(1)
--verify=
    machinectl(1)
--version
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    machinectl(1), networkctl(1), portablectl(1), resolvectl(1), systemctl(1), systemd(1), systemd-
    analyze(1), systemd-binfmt.service(8), systemd-bless-boot.service(8), systemd-cat(1), systemd-
    cgl(1), systemd-cgtop(1), systemd-delta(1), systemd-detect-virt(1), systemd-escape(1), systemd-
    fsckd.service(8), systemd-id128(1), systemd-inhibit(1), systemd-journal-gatewayd.service(8),
    systemd-journal-remote.service(8), systemd-journal-upload.service(8), systemd-machine-id-
    setup(1), systemd-mount(1), systemd-networkd-wait-online.service(8), systemd-notify(1),
    systemd-nspawn(1), systemd-path(1), systemd-run(1), systemd-socket-activate(1), systemd-
    socket-proxyd(8), systemd-suspend.service(8), systemd-sysctl.service(8), systemd-sysusers(8),
    systemd-tmpfiles(8), systemd-tty-ask-password-agent(1), systemd-udev.service(8),
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--volatile
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    systemd-nspawn(1)
--wait
    systemctl(1), systemd-run(1)
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    udevadm(8)
--wall
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--watch
    systemd-tty-ask-password-agent(1)

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```

--watch-bind=
    busctl(1)
--what=
    systemd-inhibit(1)
--who=
    systemd-inhibit(1)
--why=
    systemd-inhibit(1)
--working-directory=
    systemd-run(1)
--wtmpt-only
    halt(8)
-1
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-4
    resolvectl(1)
-6
    resolvectl(1)
-A
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-D
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-E
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-H
    busctl(1), hostnamectl(1), localectl(1), loginctl(1), machinectl(1), portablectl(1), shutdown(8),
systemctl(1), systemd-analyze(1), systemd-mount(1), systemd-run(1), timedatectl(1)
-I
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-L
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-N
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    systemd-udevd.service(8)
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-R
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-S
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-T
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-U
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-V
    resolvectl(1)
-Z
    systemd-nspawn(1)
-a
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    id128(1), systemd-nspawn(1), systemd-socket-activate(1), timedatectl(1), udevadm(8)
-b
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-c
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    socket-proxyd(8), udevadm(8)
-c=
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    udevd.service(8), udevadm(8)
-e
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-e=
    systemd-udevd.service(8)
-f
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-g
    journalctl(1), udevadm(8)
-h
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    loginctl(1), machinectl(1), networkctl(1), portablectl(1), resolvectl(1), shutdown(8), systemctl(1),
    systemd(1), systemd-analyze(1), systemd-ask-password(1), systemd-binfmt.service(8), systemd-
    bless-boot.service(8), systemd-cat(1), systemd-cgls(1), systemd-cgtop(1), systemd-delta(1),
    systemd-detect-virt(1), systemd-escape(1), systemd-fsckd.service(8), systemd-hwdb(8), systemd-
    id128(1), systemd-inhibit(1), systemd-journal-gatewayd.service(8), systemd-journal-
    remote.service(8), systemd-journal-upload.service(8), systemd-machine-id-setup(1), systemd-
    mount(1), systemd-networkd-wait-online.service(8), systemd-notify(1), systemd-nspawn(1),
    systemd-path(1), systemd-run(1), systemd-socket-activate(1), systemd-socket-proxyd(8),
    systemd-suspend.service(8), systemd-sysctl.service(8), systemd-sysusers(8), systemd-tmpfiles(8),
    systemd-tty-ask-password-agent(1), systemd-udevd.service(8), timedatectl(1), udevadm(8)
-i
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    nspawn(1)

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-j busctl(1), systemd-nspawn(1)

-k journalctl(1), shutdown(8), systemd-cgls(1), systemd-cgtop(1), udevadm(8)

-l journalctl(1), loginctl(1), machinectl(1), resolvectl(1), systemctl(1), systemd-cgls(1), systemd-socket-activate(1), udevadm(8)

-m journalctl(1), resolvectl(1), systemd-cgtop(1), systemd-escape(1), systemd-journal-upload.service(8), udevadm(8)

-n halt(8), journalctl(1), loginctl(1), machinectl(1), systemctl(1), systemd-cgtop(1), systemd-nspawn(1), udevadm(8)

-o coredumpctl(1), journalctl(1), loginctl(1), machinectl(1), systemctl(1), systemd-mount(1), systemd-networkd-wait-online.service(8)

-p bootctl(1), halt(8), journalctl(1), loginctl(1), machinectl(1), portablectl(1), resolvectl(1), systemctl(1), systemd-cat(1), systemd-cgtop(1), systemd-escape(1), systemd-id128(1), systemd-mount(1), systemd-nspawn(1), systemd-run(1), timedatectl(1), udevadm(8)

-q busctl(1), coredumpctl(1), journalctl(1), machinectl(1), portablectl(1), systemctl(1), systemd-detect-virt(1), systemd-mount(1), systemd-networkd-wait-online.service(8), systemd-nspawn(1), systemd-run(1), udevadm(8)

-r coredumpctl(1), journalctl(1), resolvectl(1), shutdown(8), systemctl(1), systemd-cgtop(1), systemd-detect-virt(1), systemd-hwdb(8), systemd-run(1), udevadm(8)

-s loginctl(1), machinectl(1), systemctl(1), systemd-hwdb(8), udevadm(8)

-t journalctl(1), resolvectl(1), systemctl(1), systemd-cat(1), systemd-cgtop(1), systemd-delta(1), systemd-mount(1), systemd-run(1), udevadm(8)

-t= systemd-udevd.service(8)

-u journalctl(1), resolvectl(1), systemd-cgls(1), systemd-escape(1), systemd-journal-upload.service(8), systemd-mount(1), systemd-nspawn(1), udevadm(8)

-v kernel-install(8), resolvectl(1), systemd-detect-virt(1), udevadm(8)

-w halt(8), udevadm(8)

-x journalctl(1), resolvectl(1), systemd-nspawn(1), udevadm(8)

-y udevadm(8)

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none
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'y'
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-0
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-1
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-EADDRINUSE
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-EALREADY
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-EBADF
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-EBADMSG

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-ECHILD

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0xFFFF

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0xFFFFFFFF

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COLOPHON

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