




Dell System E-Support Tool (DSET) Version 3.5
Reportable Items For Linux Operating System
Reference Guide



Notes, Cautions, and Warnings

-  **NOTE:** A NOTE indicates important information that helps you make better use of your computer.
-  **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.
-  **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

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2013 - 09

Rev. A00

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Introduction

The reportable items document includes all the data types supported by the DSET application and displayed in the DSET report.



NOTE: A few unique data elements are not included in the document.



NOTE: The data elements listed also included other configuration or log files that may be collected but viewed only by navigating to the **.zip** archived contents in the DSET report.

What's New In This Release

- Addition of Error Summary Information in the System category of the report.
- Addition of Modular Enclosure information in the Main System Chassis category of the report.
- Addition of new attributes in the BIOS Setup category for DSET namespace in parity with OpenManage Server Administrator namespace.
- Display of critical or warning status icons for the classes with the critical or warning status.
- In iDRAC namespace report, the following classes are included:
 - Fan, Voltage, Intrusion, and Front Panel in the Main Chassis category.
 - Controller Battery, Enclosure, Fan, EMM, Power Supply, Temperature for external enclosures, and Virtual Disks in the Storage category.



NOTE: The new attributes for this release are identified in this document by the text “(New)” next to them.



NOTE: iDRAC namespace report has fewer attributes compared to DSET and OpenManage Server Administrator namespace reports.

System Items List

The system items list includes the following:

- Main System Chassis
- Error Summary Information (New)
- Chassis
- Modular Enclosure (New)
- BIOS
- Batteries
- Processors Information
- Fan Probes Information
- Firmware Information
- Front Panel Information
- System Components (FRU) Information
- Intrusion Information
- Memory Information
- Network Interfaces Information
- Ports Information
- Power Supplies Information
- Remote Access Information
- Slots Information
- Temperature Probes Information
- Voltage Probes Information
- Auto Recovery
- Current Probes
- Embedded System Management (ESM) Logs
- Removable Flash Media Information
- Power Consumption Information
- Hardware Performance

Table 1. : System Category and Attributes

| Category | Attributes |
|----------------------------|--|
| Main System Chassis | <ul style="list-style-type: none"> • Chassis Model • Chassis Service Tag • Express Service Code • Chassis Lock • Chassis Asset Tag • Host Name |

| Category | Attributes |
|----------------------------------|---|
| | <ul style="list-style-type: none"> • System Location • Server Module Asset Tag • Server Module Service Tag • Server Module Express Code • Server Module Location • Processor Manufacturer • Processor Family • Processor Version • Current Speed • Maximum Speed • External Clock Speed • Voltage • Total Installed Capacity • Memory Available to the OS • Total Maximum Capacity • Memory Array Count • Location • Use • Installed Capacity • Maximum Capacity • Slots Available • Slots Used • ECC Type • Manufacturer • Version • Release Date • Network Interface • IP Address • Subnet Mask • Default Gateway • MAC Address • Name • Version |
| Error Summary Information | <ul style="list-style-type: none"> • Status (New) • Name (New) • Location (New) • Details (New) |
| Chassis | <ul style="list-style-type: none"> • Index • Chassis Name • Host Name • BMC Version • DRAC or iDRAC Version • Lifecycle Controller Version |

| Category | Attributes |
|--------------------------|---|
| Modular Enclosure | <ul style="list-style-type: none"> • Model • Chassis Model • System Revision • Chassis Lock • Service Tag • Asset Tag • Chassis Service Tag • Chassis Asset Tag • Flash Chassis Identify LED state • Flash Chassis Identify LED timeout value • Fault LED flash on severity level <ul style="list-style-type: none"> • CMC Information <ul style="list-style-type: none"> – Product (New) – Description (New) – Version (New) – IP Address (New) – IP Address Source (New) – IP Address Type (New) |
| BIOS | <ul style="list-style-type: none"> • BIOS Information <ul style="list-style-type: none"> – Manufacturer – Version – Release Date • BIOS Setup <ul style="list-style-type: none"> – General <ul style="list-style-type: none"> * Num Lock * NIC 1 * NIC 2 * Dual NIC * Dual NIC (1/2) * Dual NIC (3/4) * IDE * User Accessible USB Ports * Processor Virtualization Technology * Processor Logical Processor (HyperThreading) * AC Power Recovery Mode * Embedded SATA Controller * SATA Port 0 * SATA Port 1 |

| Category | Attributes |
|----------|------------------------------------|
| | * SATA Port 2 |
| | * SATA Port 3 |
| | * SATA Port 4 |
| | * SATA Port 5 |
| | * Port A |
| | * Port B |
| | * Port C |
| | * Port D |
| | * Demand-Based Power Management |
| | * TPM Security |
| | * Internal USB Port |
| | * OS Watchdog Timer |
| | * Internal SD Card |
| | * Node Interleaving |
| | * Logical Processor |
| | * Processor Execute Disable |
| | * Processor CMP |
| | * Boot Mode |
| | * Processor C State Control |
| | * Number of Cores per Processor |
| | * Integrated Network Card 1 |
| | * Embedded Video Controller |
| | * Turbo Boost |
| | * C1E |
| | * C States |
| | * Keyboard NumLock |
| | – System Security |
| | * Intel(R) AES-NI |
| | * System Password |
| | * Setup Password |
| | * Password Status |
| | * TPM Security |
| | * TPM Activation |
| | * TPM Status |
| | * TPM Clear |
| | * Intel(R) TXT |
| | * Power Button |
| | * NMI Button |
| | * AC Power Recovery |
| | * AC Power Recovery Delay |
| | * User Defined Delay (60s to 240s) |
| | – Serial Communications |
| | * Serial Communications |

| Category | Attributes |
|----------|---|
| | <ul style="list-style-type: none"> * Serial Port Address * Console Redirection After Boot * External Serial Connector * Failsafe Baud Rate * Remote Terminal Type * Console Redirection Failsafe BAUD Rate * Serial Address Select |
| | <ul style="list-style-type: none"> – SATA Settings <ul style="list-style-type: none"> * Embedded SATA * Port information * Model * Drive Type * Capacity |
| | <ul style="list-style-type: none"> – Processor Settings <ul style="list-style-type: none"> * Logical Processor * QPI Speed * Virtualization Technology * Adjacent Cache Line Prefetch * Hardware Prefetcher * DCU Streamer Prefetcher * DCU IP Prefetcher * Execute Disable * Number of Cores per Processor * Processor 64-bit Support * Processor Core Speed * Processor Bus Speed * Family-Model-Stepping * Brand * Level <level_number> Cache * Number of Cores * Family-Model-Stepping |
| | <ul style="list-style-type: none"> – Memory Settings <ul style="list-style-type: none"> * System Memory Size * System Memory Type * System Memory Speed * System Memory Voltage * Video Memory * System Memory Testing * Memory Operating Mode * Node Interleaving |
| | <ul style="list-style-type: none"> – System Profile Settings |

| Category | Attributes |
|------------------|---|
| | <ul style="list-style-type: none"> * System Profile * CPU Power Management * Memory Frequency * Turbo Boost * C1E * C States * Memory Patrol Scrub * Memory Refresh Rate * Memory Operating Voltage – Miscellaneous Settings <ul style="list-style-type: none"> * Asset Tag * Keyboard NumLock * Report Keyboard Errors * F1/F2 Prompt on Error * In-System Characterization – System Information <ul style="list-style-type: none"> * System Model Name * System BIOS Version * System Service Tag * System Manufacturer * System Manufacturer Contact Information – Integrated Devices <ul style="list-style-type: none"> * User Accessible USB Ports * Internal USB Port * Integrated Network Card * OS Watchdog Timer * Embedded Video Controller * SR-IOV Global Enable – Slot Disablement <ul style="list-style-type: none"> * Slot <number> – Boot Settings <ul style="list-style-type: none"> * Boot Mode * Boot Sequence Retry – One-Time Boot <ul style="list-style-type: none"> * One-Time Boot Device List * BIOS Boot Sequence Device * BIOS Hard-Disk Drive Sequence Device * UEFI Boot Sequence Device |
| Batteries | <ul style="list-style-type: none"> • Individual Battery Elements <ul style="list-style-type: none"> – Status |

| Category | Attributes |
|--------------------------------|---|
| Processors Information | <ul style="list-style-type: none"> – Probe Name – Reading <ul style="list-style-type: none"> • Status • Connector Name • Processor Brand • Processor Version • Current Speed • State • Core Count |
| Fan Probes Information | <ul style="list-style-type: none"> • Fan Redundancy <ul style="list-style-type: none"> – Attribute – Value • Probe List <ul style="list-style-type: none"> – Status – Probe Name – Reading – Minimum Warning Threshold – Maximum Warning Threshold – Minimum Failure Threshold – Maximum Failure Threshold |
| Firmware Information | <ul style="list-style-type: none"> • Name <ul style="list-style-type: none"> – Baseboard Management Controller version – Remote Access Controller firmware version – DRAC or iDRAC version – Lifecycle Controller version – Power Supply – Dell OS drivers pack – Dell 32 Bit Diagnostics – NIC Firmware version – Fiber Channel HBA device – PERC Firmware version – System CPLD – Enclosure Firmware version • Version |
| Front Panel Information | <ul style="list-style-type: none"> • Front Panel Information <ul style="list-style-type: none"> – Power Button (New) – NMI Button (New) • Front Panel LCD Information — LCD Line 1 |

| Category | Attributes |
|--|---|
| System Components (FRU) Information | <ul style="list-style-type: none"> • Enable Remote Indication • Front Panel LCD Security Access (New) • Device <ul style="list-style-type: none"> – System Planar – Remote Access Controller Version – Disk Drive Bay (BP) – Add-in Card (MEZZC, NDC, IDSDM, SLED) – SAS Controller Daughter Card (Storage) – Power Supply – Primary Backplane (Storage) – Memory DIMM Slot – SAS Controller Daughter Card (Storage) • Serial No. • Part No. • Revision • Manufacturer • Manufacturer Date |
| Intrusion Information | <ul style="list-style-type: none"> • Status • Probe Name • State |
| Memory Information | <ul style="list-style-type: none"> • Fail Over State • Redundancy Configuration • Attributes of Memory Array(s) <ul style="list-style-type: none"> – Location – Use – Installed Capacity – Maximum Capacity – Slots Available – Slots Used – ECC Type • Total of Memory Array(s) <ul style="list-style-type: none"> – Total Installed Capacity – Total Installed Capacity Available to the OS – Total Maximum Capacity • Details of Memory <ul style="list-style-type: none"> – Status – Connector Name – Type |

| Category | Attributes |
|---------------------------------------|---|
| | <ul style="list-style-type: none"> - Size - Device Name - Speed - Failures |
| Network Interfaces Information | <ul style="list-style-type: none"> • Total Number of Network Interfaces • Interface Name • Vendor • Description • Connection Status • Slot • Team Interface(s) <ul style="list-style-type: none"> - Interface Name - Vendor - Description - Redundancy Status • Physical Interface <ul style="list-style-type: none"> - Description - Vendor - Slot Name - Current MAC Address - Duplex - Base I/O Address - Base Memory Address - IRQ - DMA - Link Status - Connection Status - Driver Name - Driver Version - Firmware Version • Interface <ul style="list-style-type: none"> - Description - Type - Operational Status - Administrative Status - Maximum Transmission Unit - Speed Not Available • Physical Interface Receive Statistics <ul style="list-style-type: none"> - Alignment Errors - FCS Errors - Frames Too Long • Physical Interface Transmit Statistics |

| Category | Attributes |
|-----------------------------------|--|
| | <ul style="list-style-type: none"> - Single Collision Frames - Multiple Collision Frames - Deferred Transmits - Collisions - Late Collisions - Excessive Collisions - Carrier Sense Errors • Interface Receive Statistics <ul style="list-style-type: none"> - Bytes - Total Packets - Unicast Packets - Multicast Packets - Broadcast Packets - Discarded Packets - Error Packets • Interface Transmit Statistics <ul style="list-style-type: none"> - Bytes - Total Packets - Unicast Packets - Discarded Packets - Error Packets |
| Ports Information | <ul style="list-style-type: none"> • Port Type • External Name • Base I/O Addr • IRQ Lvl • Connector Type • Maximum Speed |
| Power Supplies Information | <ul style="list-style-type: none"> • MainSystemChassis Power Supplies • Power Supply Redundancy <ul style="list-style-type: none"> - Attribute - Value • Individual Power Supply Elements <ul style="list-style-type: none"> - Status - Location - Type - Rated Input Wattage - Maximum Output Wattage - Firmware Version - Online Status - Power Monitoring Capable |

| Category | Attributes |
|----------------------------------|---|
| Remote Access Information | <ul style="list-style-type: none"> • Remote Access Device <ul style="list-style-type: none"> – Device Type – IPMI Version – System GUID – Number of Possible Active Sessions – Number of Current Active Sessions – Enable IPMI Over LAN – SOL Enabled – MAC Address – Enable VLAN ID – VLAN ID – Priority • IPv4 Address <ul style="list-style-type: none"> – IP Address Source – IP Address – IP Subnet – IP Gateway • IPv6 Address <ul style="list-style-type: none"> – IP Address Source – IPv6 Address 1 – Default Gateway – IPv6 Address 2 – Link Local Address – DNS Address Source – Preferred DNS Server – Alternate DNS Server • NIC Configuration <ul style="list-style-type: none"> – Channel Number – NIC Selection • Serial Port Configuration <ul style="list-style-type: none"> – Channel Number – Connection Mode Setting – Baud Rate – Flow Control – Channel Privilege Level Limit – Serial Port Configuration – Line Editing – Delete Control – Echo Control – Handshaking Control – New Line Sequence – Input New Line Sequence • Serial Over LAN Configuration |

| Category | Attributes |
|--|---|
| | <ul style="list-style-type: none"> - Channel Number - Baud Rate - Minimum privileges required - Serial Over LAN Configuration - Retry Count - Retry Interval - Character Accumulate Interval - Character Send Threshold |
| Slots Information | <ul style="list-style-type: none"> • Slot ID • Adapter • Data Bus Width |
| Temperature Probes Information | <ul style="list-style-type: none"> • Main System Temperatures <ul style="list-style-type: none"> - Status - Probe Name - Reading - Minimum Warning Threshold - Maximum Warning Threshold - Minimum Failure Threshold - Maximum Failure Threshold |
| Voltage Probes Information | <ul style="list-style-type: none"> • Health <ul style="list-style-type: none"> - Status - Probe Name - Reading - Minimum Warning Threshold - Maximum Warning Threshold - Minimum Failure Threshold - Maximum Failure Threshold |
| Auto Recovery | <ul style="list-style-type: none"> • Action on Hung Operating System Detection • System Reset Timer |
| Embedded System Management (ESM) Logs | <ul style="list-style-type: none"> • Hardware logs • Severity • Date and Time • Description • Raw SEL data |
| Current Probes | <ul style="list-style-type: none"> • Status • Probe Name • Reading • Minimum Warning Threshold |

| Category | Attributes |
|--|---|
| Removable Flash Media Information | <ul style="list-style-type: none"> • Maximum Warning Threshold • Minimum Failure Threshold • Maximum Failure Threshold <ul style="list-style-type: none"> • Internal SD Modules Status <ul style="list-style-type: none"> – Status – Connector Name – State – Storage Size • vFlash Media Details <ul style="list-style-type: none"> – Connector Name – Type – State – Available Size – Storage Size |
| Power Consumption Information | <ul style="list-style-type: none"> • Power Consumption <ul style="list-style-type: none"> – Status – Probe Name – Reading – Warning Threshold – Failure Threshold • Amperage <ul style="list-style-type: none"> – Location – Reading • Power Headroom <ul style="list-style-type: none"> – Attribute – Value • Power Tracking Statistics <ul style="list-style-type: none"> – Statistic – Measurement Start Time – Measurement Finish Time – Reading – Peak Time – Peak Reading • Power Inventory <ul style="list-style-type: none"> – Attribute – Value • Power Budget <ul style="list-style-type: none"> – Attribute – Value • Power Profiles |

| Category | Attributes |
|-----------------------------|--|
| Hardware Performance | <ul style="list-style-type: none">- Attribute- Value • Probe Name• Status• Cause |

Storage Items List

The storage items list includes the following:


- Controllers Information
- Batteries
- Enclosures
- Array Disks
- Virtual Disks
- IDE Controllers
- Channels
- Physical Disks (Non-RAID)
- Enclosure Details
- Tape
- SATA Controller
- Fibre Channel HBA
- iSCSI Initiator Information

Table 2 : Storage Category and Attributes

| Category | Attributes |
|-------------------------|--|
| Controllers Information | <ul style="list-style-type: none"> • Properties <ul style="list-style-type: none"> – ID – Name – State – Firmware Version – Minimum Required Firmware Version – Driver Version – Minimum Required Driver Version – Storport Driver Version – Number of Connectors – Rebuild Rate – BGI Rate – Check consistency Rate – Reconstruct Rate – Alarm State – SCSI Initiator ID – Cache Memory Size – Patrol Read Mode – Patrol Read State |

| Category | Attributes |
|--------------------|---|
| | <ul style="list-style-type: none"> - Patrol Read Iterations - Security Capable - Security Key Present - Abort Check Consistency on Error - Allow Revertible Hot Spare and Replace Member - Auto Replace Member on Predictive Failure - Load Balance - Persistent Hot Spare - Connector Type - Termination - SCSI Rate - SCSI Initiator ID - Spin Down Unconfigured Drives - Spin Down Hot Spares - Spin Down Configured Drives - Automatic Disk Power Saving (Idle C) |
| Enclosure | <ul style="list-style-type: none"> • Status • Name • State • Connector • Target ID • Configuration • Firmware Version • Service Tag • Express Service Code • Asset Tag • Asset Name • Backplane Part Number • Split Bus Part Number • Enclosure Part Number • SAS Address • Enclosure Alarm • SCSI Rate |
| Array Disks | <ul style="list-style-type: none"> • Status • Power Status • Name • State • Failure Predicted • Certified • Encryption Capable • Secured |

| Category | Attributes |
|----------------|--|
| | <ul style="list-style-type: none"> • Progress • Bus Protocol • Media • Part of Cache Pool (New) • Device Life Remaining (New) • Driver Version (New) • Model Number (New) • Mirror Set ID • Capacity • Used RAID Disk Space • Available RAID Disk Space • Hot Spare • Vendor ID • Product ID • Revision • Serial No. • Part Number • Negotiated Speed • Capable Speed • Device Write Cache (New) • Manufacture Day • Manufacture Week • Manufacture Year • SAS Address |
| Virtual Disks | <ul style="list-style-type: none"> • Status • Name • State • Progress • Layout • Size • Device Name • Bus Protocol • Media • Read Policy • Write Policy • Stripe Element Size • Disk Cache Policy |
| IDE Controller | <ul style="list-style-type: none"> • Name • Status • Firmware Version • Device Descriptor • Description • Device Location |

| Category | Attributes |
|----------------------------------|--|
| | <ul style="list-style-type: none"> • Parent location • Manufacturer • Serial No. • Model Number • Asset Tag • Channels <ul style="list-style-type: none"> – Status – Name – Connector Type |
| Channels | <ul style="list-style-type: none"> • Status • Name • State • Connector Type • Termination • SCSI Rate |
| Physical Disks (Non-RAID) | <ul style="list-style-type: none"> • Status • Disk Channel • SCSI ID • LUN • Drive Vendor/Product ID • Drive Firmware Rev • Drive Signature |
| Embedded SCSI | <ul style="list-style-type: none"> • Controller Name/Label • Device Type (HD, tape, CD) • Device Vendor/Product ID • Device SCSI ID/LUN • Device Capacity |
| Tape | <ul style="list-style-type: none"> • Name • Status • Firmware • Device Descriptor • Device Location • Parent Location • Manufacturer • Serial Number • Model Number |
| |  NOTE: Other tape device specific information such as whether clean is required, power on hours etc. |
| SATA Controller | <ul style="list-style-type: none"> • Name |

| Category | Attributes |
|------------------------------------|--|
| | <ul style="list-style-type: none"> • Status • Firmware Version • Device Descriptor • Description • Device Location • Parent Location • Manufacturer • Serial No • Model Number • Asset Tag • Channels • SATA Disk State • SATA Disk Capacity • SATA Disk Vendor ID • SATA Disk Product ID |
| Fibre Channel HBA | <ul style="list-style-type: none"> • HBA name • HBA model • Firmware • Driver • Type • Vendor • HBA port • Logical device name (LUN) • Logical device capacity • LUN |
| iSCSI Initiator Information | <ul style="list-style-type: none"> • Initiator Version • Sessions List • Portals List |

Software Items List

The software items list includes the following:

- OS Summary
- Resource
 - IRQ Information
 - I/O Ranges
- Component
 - Display Information
 - Startup
 - USB
 - Network Adapter Information
 - Storage Information
- Environment
 - Environment Variables
 - Drivers
 - Processes
 - Installed RPMs
 - Service Information
- Kernel
- Memory
- Modules
- Mounts (/proc/mounts)
- Operating System Event Logs

Table 3. : Software Category and Attributes

| Category | Attributes |
|-------------------|---|
| OS Summary | <ul style="list-style-type: none"> • Operating System Name • Version • Install Date • System Name |
| Resources | <ul style="list-style-type: none"> • IRQ Information <ul style="list-style-type: none"> – IRQ – Device • IO Ranges |

| Category | Attributes |
|------------------|---|
| Component | <ul style="list-style-type: none"> - Address_Range - Device - Status <ul style="list-style-type: none"> • Display <ul style="list-style-type: none"> - Files - Section - Identifier - Screen - InputDevice - ServerFlags - Module - Driver - Option - Monitor - Modes - Device - DefaultDepth - SubSection - Viewport - Depth - EndSubSection - ServerLayout - DRI - Load - HorizSync - VendorName - VertRefresh - UseModes - Modeline - Group • Startup <ul style="list-style-type: none"> - Boot Menu <ul style="list-style-type: none"> * Default * timeout * gfxmenu * splashimage * hiddenmenu * title * root * uppermem * kernel |

| Category | Attributes |
|----------|---|
| | <ul style="list-style-type: none"> * initrd - Boot List and Boot GRUB List <ul style="list-style-type: none"> * Rights * Number * Owner * User * FileDate * Process - Device Map List <ul style="list-style-type: none"> * default * Value • USB/proc/bus/usb/devices: <ul style="list-style-type: none"> - Bus - Device - bLength - bDescriptorType - bEndpointAddress - bcdUSB - bDeviceClass - bDeviceSubClass - bDeviceProtocol - bMaxPacketSize0 - idVendor - idProduct - bcdDevice - iManufacturer - iProduct - iSerial - bNumConfigurations - Configuration - wTotalLength - bNumInterfaces - bInterfaceNumber - bAlternateSetting - bNumEndpoints - bConfigurationValue - bInterfaceClass - bInterfaceSubClass - bInterfaceProtocol - iConfiguration - bmAttributes - Self - Remote |

| Category | Attributes |
|----------|--|
| | <ul style="list-style-type: none"> - MaxPower - Interface - Endpoint - Transfer - Synch - Usage - wMaxPacketSize - bInterval - Hub - nNbrPorts - wHubCharacteristic - No - Per-port - bPwrOn2PwrGood - bHubContrCurrent - DeviceRemovable - PortPwrCtrlMask - Port - HID - bcdHID - bCountryCode • Network Adapter Information <ul style="list-style-type: none"> - Adapter Name - MAC Address - Status - Status Characteristics - MTU - Metric - RX/TX Packets - RX/TX Errors - RX/TX Dropped - RX/TX Overruns - TX Carrier - RX Frame - Collisions - TX Queue Len - RX/TX bytes - Inet IP Address - inet6 IPAddress - Broadcast - Subnet Mask - Contents of etc/resolve.conf <ul style="list-style-type: none"> * Name Server |

| Category | Attributes |
|-------------|---|
| | <ul style="list-style-type: none"> * Search – Contents of etc/hosts — Host Name • Storage Information <ul style="list-style-type: none"> – Memory <ul style="list-style-type: none"> * Total * Used * Free * Shared * Buffers * Cached – buffers_cache <ul style="list-style-type: none"> * Total * Used – Swap <ul style="list-style-type: none"> * Total * Used * Free – Drive <ul style="list-style-type: none"> * Description * Compressed * FileSystem * Size * FreeSpace * VolumeName * VolumeSerial – Host <ul style="list-style-type: none"> * Channel * SCSI ID * LUN * Vendor * Model * Rev * Type * Revision |
| Environment | <ul style="list-style-type: none"> • Environment Variables <ul style="list-style-type: none"> – Variable – Variable Value • Drivers <ul style="list-style-type: none"> – Internal Name – Module size |

| Category | Attributes |
|-------------|--|
| | <ul style="list-style-type: none"> - Use Count - Dependant Modules - Status - etc/modprobe.conf <ul style="list-style-type: none"> * Command * Module Name * Options - lib/modules/... <ul style="list-style-type: none"> * Name * Module Path • Processes <ul style="list-style-type: none"> - Command - Process ID (PID) - %CPU (CPU Utilization) - %Mem (Memory Utilization) - RSS (Physical Memory Usage) - VSZ - Time - Start - Command - Stat - User - TTY • Installed RPMs <ul style="list-style-type: none"> - Name - Publisher - Size - InstallDate - URLInfoAbout - Description • Service Information <ul style="list-style-type: none"> - Service - State • System Log <ul style="list-style-type: none"> - Status - Type - Source - DateTime - Message or Comment - Entry ID • DMESG Log Entries |
| Logs | |

| Category | Attributes |
|---------------------------------|--|
| Dell OpenManage Software | <ul style="list-style-type: none"> - Entry - Variable Value |
| Kernel | <ul style="list-style-type: none"> • Item • Version <ul style="list-style-type: none"> • Uname -a: <ul style="list-style-type: none"> - Name - Node Name - Release - Version/Build Type - Processor Type - Operating System |
| Memory | <ul style="list-style-type: none"> • System Uptime (uptime): <ul style="list-style-type: none"> - Time Since Boot - Active User Sessions - Load Average • Advanced Memory Statistics (/proc/meminfo): <ul style="list-style-type: none"> - MemTotal - MemFree - MemShared - Buffers - Cached - SwapCached - Active - ActiveAnon - ActiveCache - Dirty - Inact_dirty - Inact_laundry - Inact_clean - Inact_target - HighTotal - HighFree - LowTotal - LowFree - SwapTotal - SwapFree - HugePages_Total - HugePages_Free - Hugepagesize - WriteBack |

| Category | Attributes |
|------------------------------------|---|
| | <ul style="list-style-type: none"> - Mapped - Slab - Committed_AS - Page Tables - Vmalloc Total - Vm alloc Used - Vm alloc Chunk |
| Modules | <ul style="list-style-type: none"> • Loaded Modules (lsmod): <ul style="list-style-type: none"> - Name - Size - Used By Other Module - Tainted • Module Config (/etc/modules.conf) • Module Dependencies (/lib/modules/<kernel>/modules.dep): <ul style="list-style-type: none"> - Module Path - Dependent Module Path |
| Mounts (/proc/mounts) | <ul style="list-style-type: none"> • Device Name or Network Path • Mountpoint • Type • Mount Attributes |
| Operating System Event Logs | <ul style="list-style-type: none"> • System Event Log (/var/log/messages) • Boot Log (/var/log/dmsg) |
| OpenManage Components | <ul style="list-style-type: none"> • Name • Version • Path |
| VMWare | <ul style="list-style-type: none"> • License keys • Virtual server configuration and type • Multipath configuration |

Log Files List

The log files list includes the following:

- OpenManage Server Administrator Installation Logs
- Linux
- MD1000

Table 4. : Log Files Category and List

| Category | List |
|--|--|
| OpenManage Server Administrator Installation Logs | <ul style="list-style-type: none"> • OMSA Install Database (/etc/ominstal.db) • OMSA Component Reg (/etc/omreg.cfg) • OMSA Component File List (/etc/*.*oil) • /etc/dellinst.cfg • Instrumentation Install Log (iisvc.log) • Data Engine Install Log (ideng.log) • Dynamic Kernel Compiling Log (dksbuild.log) • Dell Server Update Utility support logs |
| Linux | <ul style="list-style-type: none"> • Netstat routing tables • Netstat interface statistics • Netstat open connections |
| MD1000 | <ul style="list-style-type: none"> • SES log in MD1000 EMM |

Miscellaneous Configuration Files

The following table includes the list of Linux configuration and log files collected by the DSET application.

 **NOTE:** This list is not displayed in the DSET report GUI.

Table 5. : Configuration Files and Location

| Location | Files |
|-------------------------|--|
| Data in /linux/boot | grub |
| Data in linux/boot/grub | <ul style="list-style-type: none"> • device.map • menu.lst |
| Data in /linux/etc | <ul style="list-style-type: none"> • aliases • cron.d • cron.daily • cron.hourly • cron.monthly • crontab • cron.weekly • fstab • host.conf • hosts • hosts.allow • hosts.bak • hosts.canna • hosts.deny • ld.so.conf • mail • modules.conf • mdstat • modprobe.conf • named.conf • pam.d • pci • redhat-release • resolv.conf • sysconfig • snmp • snmpd.conf • sysctl.conf • weekly |

| Location | Files |
|--|--|
| | <ul style="list-style-type: none"> • X11 • xinetd.conf • xinetd.d • data in /linux/etc/cron.d: <ul style="list-style-type: none"> – evlogmgr – seccheck – sa-update |
| data in /linux/etc/cron.daily | <ul style="list-style-type: none"> • 0anacron • 00-logwatch • 00-makewhatis.cron • 00webalizer • cups certwatch • logrotate • makewhatis.cron • mlocate.cron • prelink • rpm • slocate.cron • suse.de-backup-rc.config(SLES) • suse.de-backup-rpmdb(SLES) • suse.de-check-battery(SLES) • suse.de-clean-tmp(SLES) • suse.de-clean-vi(SLES) • suse.de-cron-localtmpwatch(SLES) |
| data in /linux/etc/cron.monthly | 0anacron |
| data in /linux/etc/cron.weekly | makewhatis.cron |
| data in /linux/etc/mail | sendmail.cf |
| data in /linux/etc/pam.d | <ul style="list-style-type: none"> • atd authconfig • authconfig-gtk • authconfig-tui • bindconf • chage • chfn • chsh config-util • cpufreq-selector • crond • cups • dateconfig • dovecot • eject • ekshell |

| Location | Files |
|----------|--|
| | <ul style="list-style-type: none"> • etherreal • gdm • gdm-autologin • gdmsetup • gnome-screensaver • gnome-system-log • gssftp • halt • hwbrowser • internet-druid • kbdrate • kshell • kcheckpass • kdm • kdm-np • kde • kppp • kscreensaver • kshell • login • neat • netatalk • newrole • omail • openwbem • other • passwd • pop3 • pirut • pm-hibernate • pm-powersave • pm-suspend • pm-suspend-hybrid • poweroff • ppp • pup • pure-ftpd • printconf • printconf-gui • printconf-tui • printtool • quagga • radiusd • reboot • remote |

| Location | Files |
|----------|---|
| | <ul style="list-style-type: none"> • rhn_register • run_init • runuser • runuser-l • redhat-cdinstall-helper • redhat-config-authentication • redhat-config-bind • redhat-config-date • redhat-config-httpd • redhat-config-keyboard • redhat-config-language • redhat-config-mouse • redhat-config-network • redhat-config-network-cmd • redhat-config-network-druid • redhat-config-nfs • redhat-config-packages • redhat-config-printer • redhat-config-printer-gui • redhat-config-printer-tui • redhat-config-proc • redhat-config-rootpassword • redhat-config-samba • redhat-config-securitylevel • redhat-config-services • redhat-config-soundcard • redhat-config-time • redhat-config-users • redhat-config-xfree86 • redhat-install-packages • redhat-logviewer • redhat-switch-mail • redhat-switch-mail-nox • rexec • rlogin • rpasswd • rsh • rhn_register • sabayon • samba • shadow • screen • serviceconf • setup • smtp |

| Location | Files |
|----------|--|
| | <ul style="list-style-type: none"> • smtp.sendmail • squid • sshd • su • sudo • sudo-i • su-l • system-auth • system-auth-ac • system-cdinstall-helper • system-config-authentication • system-config-date • system-config-display • system-config-httpd • system-config-kdump • system-config-keyboard • system-config-language • system-config-lvm • system-config-mouse • system-config-netboot • system-config-network • system-config-network-cmd • system-config-network-druid • system-config-nfs • system-config-packages • system-config-printer • system-config-printer-gui • system-config-printer-tui • system-config-rootpassword • system-config-samba • system-config-securitylevel • system-config-selinux • system-config-services • system-config-soundcard • system-config-time • system-config-users • system-install-packages • system-logviewer • system-switch-im • up2date • up2date-config • up2date-nox • useradd • vsftpd • wbem |

| Location | Files |
|--|---|
| <p data-bbox="245 453 469 478">data in /linux/etc/snmp</p> <p data-bbox="245 501 509 527">data in /linux/etc/sysconfig</p> | <ul style="list-style-type: none"> <li data-bbox="868 254 1002 279">• wireshark <li data-bbox="868 291 948 317">• xdm <li data-bbox="868 327 1034 352">• xdm-np xlock <li data-bbox="868 363 1034 388">• xscreensaver <li data-bbox="868 399 979 424">• xserver <p data-bbox="826 453 943 478">snmpd.conf</p> <ul style="list-style-type: none"> <li data-bbox="868 516 975 541">• amavis <li data-bbox="868 552 979 577">• apache <li data-bbox="868 588 991 613">• apache2 <li data-bbox="868 623 963 648">• argus <li data-bbox="868 659 959 684">• apmd <li data-bbox="868 695 1023 720">• apm-scripts <li data-bbox="868 730 938 756">• atd <li data-bbox="868 766 963 791">• auditd <li data-bbox="868 802 963 827">• autofs <li data-bbox="868 837 1007 863">• authconfig <li data-bbox="868 873 1007 898">• autoinstall <li data-bbox="868 909 979 934">• backup <li data-bbox="868 945 948 970">• boot <li data-bbox="868 980 1007 1005">• bootloader <li data-bbox="868 1016 1007 1041">• bootsplash <li data-bbox="868 1052 1002 1077">• Bluetooth <li data-bbox="868 1087 948 1113">• Cbq <li data-bbox="868 1123 991 1148">• cfg2scm <li data-bbox="868 1159 959 1184">• clock <li data-bbox="868 1194 948 1220">• cron <li data-bbox="868 1230 979 1255">• conman <li data-bbox="868 1266 1002 1291">• cpuspeed <li data-bbox="868 1302 963 1327">• crond <li data-bbox="868 1337 979 1362">• console <li data-bbox="868 1373 948 1398">• cups <li data-bbox="868 1409 979 1434">• desktop <li data-bbox="868 1444 979 1470">• devlabel <li data-bbox="868 1480 991 1505">• diskdump <li data-bbox="868 1516 963 1541">• dhcpd <li data-bbox="868 1551 991 1577">• dhcrelay <li data-bbox="868 1587 1054 1612">• displaymanager <li data-bbox="868 1623 1034 1648">• dsm_sa_ipmi <li data-bbox="868 1659 948 1684">• dump <li data-bbox="868 1694 948 1719">• dund <li data-bbox="868 1730 979 1755">• esound <li data-bbox="868 1766 991 1791">• fetchmail <li data-bbox="868 1801 1023 1827">• fonts-config |

| Location | Files |
|----------|---|
| | <ul style="list-style-type: none"> • firstboot • gpm • grub • hardware • harddisks • hidd • hotplug • httpd • hwconf • i18n • ide init • installinfo • ipmi • ip6tables-config • iptables-config • irda • irqbalance • isdn • iscsi • java • joystick • kdump • kernel • kernel.elx • keyboard • kudzu • language • ldap • locate • lvm • lm_sensors • mail • mailman • mdadm • miplv6 • mouse • mkinitrd • named • ncpfs • net-snmp • news • netconsole • netdump • netdump_id_dsa • netdump_id_dsa.pub |

| Location | Files |
|----------|--|
| | <ul style="list-style-type: none"> • network • networking • network-scripts • nfs • nspluginwrapper • ntop • ntpd • onlineupdate • openldap • owcimomd • pand • pcmcia • personal-firewall • pm-action • prelink • postfix • postgresql • powermanagement • powersave • proxy • rawdevices • radvd • readonly-root • redhat-config-securitylevel • redhat-config-users • redhat-logviewer • redhat-logviewer.bak • rhn • samba • Scripts • sendmail • saslauthd • sax • scsidedv • seccheck • security • selinux • sendmail • services • sitar • smartmontools • snort • sound • spamd • spamassassin |

| Location | Files |
|---|--|
| | <ul style="list-style-type: none"> • squid • ssh • suseconfig • SuSEfirewall2 • Susehelp • sysctl • syslog • system-config-netboot • system-config-securitylevel • system-config-users • system-logviewer • tux • udev-stw • vncservers • windowmanager • wondershaper • wpa_supplicant • xntp • xinetd • ypserv |
| <p>data in /linux/etc/sysconfig/hardware</p> | <ul style="list-style-type: none"> • Scripts • Skel • config • hwcfg-bus-pci-0000_03_00.0 |
| <p>data in /linux/etc/sysconfig/hardware/scripts</p> | <ul style="list-style-type: none"> • chandev-to-hwcfg.sh • functions • hwdown-ccw • hwdown-scsi • hwdown-zfcp • hwup-ccw • hwup-ctc • hwup-iucv • hwup-lcs • hwup-qeth • hwup-zfcp |
| <p>data in /linux/etc/sysconfig/hardware/skel</p> | <ul style="list-style-type: none"> • hwcfg-ctc • hwcfg-dasd-eckd • hwcfg-iucv • hwcfg-lcs • hwcfg-qeth • hwcfg-zfcp |

| Location | Files |
|--|--|
| data in /linux/etc/weekly | <ul style="list-style-type: none"> • wwwoffle |
| data in /linux/etc/X11 | <ul style="list-style-type: none"> • XF86Config |
| data in /linux/etc/inetd.d | <ul style="list-style-type: none"> • amanda • amandaidx • amidxtape • chargen • chargen-udp • cups-lpd • cvs daytime • daytime-udp • echo • echo-udp • finger • i4l-vbox • netstat • ntalk • pidentd • pure-ftpd • qpopper • rexec • rlogin • rsh • rstatd • rsync • servers • services • swat • systat • talk • telnet • time • time-udp • uucp • vnc • vsftpd |
| data in /linux/etc/weekly/sysconfig/isdn | Scripts |
| data in /linux/etc/weekly/sysconfig/isdn/Scripts | <ul style="list-style-type: none"> • add-hisax • add-hisax_fcpcipnp • functions • hotplug_usb • load-auerswald |

| Location | Files |
|--|---|
| | <ul style="list-style-type: none"> • load-avmusb • load-b1isa • load-b1pci • load-b1pcmcia • load-bfusb • load-c4 • load-capi • load-eicon • load-fcclassic • load-fcdsl • load-fcdsl2 • load-fcdslsl • load-fcpci • load-fcpcmcia • load-fcnp • load-hisax • load-hisax_fcpcipnp • load-t1isa • load-t1pci • oldi4l2new.sh • stop-auerswald • stop-avmusb • stop-b1isa • stop-b1pci • stop-b1pcmcia • stop-bfusb • stop-c4 • stop-fcclassic • stop-fcdsl • stop-fcdsl2 • stop-fcdslsl • stop-fcpci • stop-fcpcmcia • stop-fcnp • stop-t1isa • stop-t1pci |
| data /Linux/etc/sysconfig/network | <ul style="list-style-type: none"> • config • dhcp • if-down.d • if-up.d ifcfg-eth-id-00_22_19_b0_33_ba • ifcfg-ip6tnl0 • ifcfg-ip6tnl1 • ifcfg-ip6tnl10 • ifcfg-ip6tnl11 |

| Location | Files |
|---|--|
| | <ul style="list-style-type: none"> • ifcfg-ip6tnl12 • ifcfg-ip6tnl13 • ifcfg-ip6tnl14 • ifcfg-ip6tnl15 • ifcfg-ip6tnl16 • ifcfg-ip6tnl17 • ifcfg-ip6tnl18 • ifcfg-ip6tnl19 • ifcfg-ip6tnl2 • ifcfg-ip6tnl20 • ifcfg-ip6tnl21 • ifcfg-ip6tnl22 • ifcfg-ip6tnl23 • ifcfg-ip6tnl24 • ifcfg-ip6tnl25 • ifcfg-ip6tnl26 • ifcfg-ip6tnl27 • ifcfg-ip6tnl28 • ifcfg-ip6tnl29 • ifcfg-ip6tnl3 • ifcfg-ip6tnl30 • ifcfg-ip6tnl31 • ifcfg-ip6tnl4 • ifcfg-ip6tnl5 • ifcfg-ip6tnl6 • ifcfg-ip6tnl7 • ifcfg-ip6tnl8 • ifcfg-ip6tnl9 • ifcfg-lo • ifcfg-mip6mnha0 • ifcfg-mip6mnha1 • ifcfg-mip6mnha2 • ifcfg-mip6mnha3 • ifcfg.template • ifroute-lo • providers • scripts • update-log • update-log.debug • wireless |
| data /Linux/etc/sysconfig/network/if-down.d | <ul style="list-style-type: none"> • 21-dhcpd-hook-samba • 55-samba-winbindd • Freeswan |

| Location | Files |
|--|--|
| data /Linux/etc/sysconfig/network/if-up.d | <ul style="list-style-type: none"> • 21-dhcpd-hook-samba • 55-samba-winbindd • Freeswan |
| data /Linux/etc/sysconfig/network/scripts | <ul style="list-style-type: none"> • check_configurations • convert_for_getconfig • dhcp-interfaces • dhcpd-hook • dhcpd-hook-samba • dhcpd-hook-samba-functions • drop-hotplug-symlink.sh • freeswan • freeswan-functions • functions • functions.common • ifdown-802.1q • ifdown-autoip • ifdown-connection • ifdown-dsl • ifdown-ipp • ifdown-isdn • ifdown-ppp • ifdown-route • ifdown-services • ifstatus-802.1q • ifstatus-autoip • ifstatus-connection • ifstatus-dsl • ifstatus-ipp • ifstatus-isdn • ifstatus-ppp • ifstatus-route • ifstatus-services • ifstatus-wireless • ifup-802.1q • ifup-autoip • ifup-dsl • ifup-ipp • ifup-isdn • ifup-ppp • ifup-route • ifup-services • ifup-skel • ifup-wireless • oldnet2new.sh |

| Location | Files |
|--|---|
| | <ul style="list-style-type: none"> samba-winbindd |
| data in /Linux/etc/sysconfig/powersave | <ul style="list-style-type: none"> common hdparm scheme_acoustic scheme_performance scheme_powersave |
| data in /Linux/etc/sysconfig/Scripts | <ul style="list-style-type: none"> SUSEfirewall2-autointerface.sh SUSEfirewall2-custom |
| data in /linux/etc/weekly | <ul style="list-style-type: none"> 0anacron 00-makewhatis.cron wwwoffle |
| data in /linux/etc/sysconfig/apm-scripts | apmscript |
| data in /linux/etc/sysconfig/cbq | <ul style="list-style-type: none"> avpkt cbq-0000.example |
| data in /linux/etc/sysconfig/console | — |
| data in /linux/etc/sysconfig/ mkinitrd | <ul style="list-style-type: none"> avpkt cbq-0000.example multipath |
| data in /linux/etc/sysconfig/modules | udev-stw.modules |
| data in /linux/etc/sysconfig/networking | <ul style="list-style-type: none"> devices profiles |
| data in /linux/etc/sysconfig/networking/devices | ifcfg-eth0 |
| data in /linux/etc/sysconfig/networking/profiles | default |
| data in /linux/etc/sysconfig/networking/profiles/default | <ul style="list-style-type: none"> hosts ifcfg-eth0 network resolv.conf |
| data in /linux/etc/sysconfig/network-scripts | <ul style="list-style-type: none"> ifcfg-eth0 ifcfg-eth1 ifcfg-lo ifdown ifdown-aliases ifdown-bnep ifdown-eth ifdown-ipp |

| Location | Files |
|--|--|
| | <ul style="list-style-type: none"> • ifdown-ipsec • ifdown-ipv6 • ifdown-isdn • ifdown-post • ifdown-ppp • ifdown-routes • ifdown-sit • ifdown-sl • ifdown-tunnel • ifup • ifup-aliases • ifup-bnep • ifup-eth • ifup-ipp • ifup-ib • ifup-ipp • ifup-ipsec • ifup-ipv6 • ifup-iph • ifup-isdn • ifup-plip • ifup-plusb • ifup-post • ifup-ppp • ifup-routes • ifup-sit • ifup-sl • ifup-tunnel • ifup-wireless • init.ipv6-global • net.hotplug • network-functions • network-functions-ipv6 |
| data in /linux/etc/sysconfig/rhn | <ul style="list-style-type: none"> • clientCaps.d • rhn-applet • rhn_register_remind • rhnsd • sources • up2date • up2date-keyring.gpg • up2date-uuid |
| data/linux/etc/sysconfig/rhn/clientCaps.d | data/linux/etc/X11:XF86Config |

| Location | Files |
|------------------------------------|---|
| Data in /linux/etc/xinetd.d | <ul style="list-style-type: none"> • amanda • amandaidx • amidxtape • chargen • chargen-udp • cups-lpd • cvs daytime • daytime-udp • dbskkd-cdb • echo • echo-udp • eklogin • finger • gssftp • i4l-vbox • klogin • krb5-telnet • kshell • ktalk • netstat • ntalk • pidentd • pure-ftpd • qpopper • rexec • rlogin • rsync • servers • services • swat • sgi_fam • systat • talk • telnet • tftp • time • time-udp • uucp • vnc • vsftpd |
| data/linux/lib | modules |
| data/linux/lib/modules | current |
| data in /linux/lib/modules/current | modules.dep |

| Location | Files |
|---------------------------------------|--|
| data in /linux/proc | <ul style="list-style-type: none"> • bus • ide • scsi • sys • cmdline • cpuinfo • devices • dma • filesystems • fstab • ide • interrupts • ioports • ksyms • mdstat • meminfo • mounts • partitions • pci scsi • slabinfo • stat • sys |
| data in /linux/proc/bus | <ul style="list-style-type: none"> • input • pci • usb |
| data in /linux/proc/bus/input | <ul style="list-style-type: none"> • devices • handlers |
| data in /linux/proc/bus/pccard | drivers |
| data in /linux/proc/bus/pci | <ul style="list-style-type: none"> • 00 • 01 • 02 • 03 • 04 • 05 • 06 • 07 • devices • slots |
| data/linux/proc/bus/pci/00 | <ul style="list-style-type: none"> • 00.0 • 00.1 |

| Location | Files |
|--------------------------------------|--|
| | <ul style="list-style-type: none"> • 01.0 • 02.0 • 02.2 • 03.0 • 03.1 • 03.2 • 04.0 • 06.0 • 07.0 • 08.0 • 09.0 • 18.0 • 18.1 • 18.2 • 18.3 • 18.4 • 19.0 • 19.1 • 19.2 • 19.3 • 19.4 • 0a.0 • 0b.0 • 0e.0 • 0f.0 • 0f.1 • 0f.2 |
| data/linux/proc/bus/pci/01 | <ul style="list-style-type: none"> • 00.0 • 02.0 • 02.1 • 06.0 • 0a.0 |
| data/linux/proc/bus/pci/02 | <ul style="list-style-type: none"> • 0d.0 • 0e.0 • 00.0 • 01.0 |
| data/linux/proc/bus/pci/03 | 00.0 |
| data /linux/proc/bus/pci/07 | 00.0 |
| data/linux/proc/bus/pci/08 | 00.0 |
| data/linux/proc/bus/pci/slots | — |

| Location | Files |
|------------------------------------|--|
| data/linux/proc/bus/usb | <ul style="list-style-type: none"> • 001 • 002 • 003 • devices • drivers |
| data/linux/proc/bus/usb/001 | <ul style="list-style-type: none"> • 001 • 002 • 003 • 004 • 005 • 006 |
| data/linux/proc/bus/usb/002 | 001 |
| data/linux/proc/bus/usb/003 | 001 |
| data/linux/proc/ide | <ul style="list-style-type: none"> • drivers • hda • hdb • ide0 • svwks |
| data/linux/proc/ide/hda | <ul style="list-style-type: none"> • capacity • driver • identify • media • model • settings |
| data/linux/proc/ide/hdb | <ul style="list-style-type: none"> • capacity • driver • identify • media • model • settings |
| data/linux/proc/ide/ide0 | <ul style="list-style-type: none"> • channel • config • mate • model |
| data/linux/proc/scsi | <ul style="list-style-type: none"> • aacraid • aic7xxx • sg • device_info |

| Location | Files |
|--------------------------------------|---|
| | <ul style="list-style-type: none"> • ide-scsi • megaraid • scsi • sg |
| data/linux/proc/scsi/aacraid | 2 |
| data/linux/proc/scsi/aic7xxx | <ul style="list-style-type: none"> • 0 • 1 |
| data/linux/proc/scsi/ide-scsi | 4 |
| data/linux/proc/scsi/megaraid | 3 |
| data/linux/proc/scsi/sg | <ul style="list-style-type: none"> • allow_dio debug • def_reserved_size • device_hdr • devices • device_strs • host_hdr • hosts • host_strs • version |
| data/linux/proc/sys | <ul style="list-style-type: none"> • abi • crpto • debug • dev fs • kernel • net • proc • sunrpc • vm |
| data/linux/proc/sys/abi | <ul style="list-style-type: none"> • defhandler_coff • defhandler_elf • defhandler_lcall7 • defhandler_libcso • fake_utsname • trace • vsyscall32 |
| data /linux/proc/sys.crypto | fips_enabled |
| data/linux/proc/sys/debug | <ul style="list-style-type: none"> • exception-trace • kerneltype |

| Location | Files |
|--|--|
| | <ul style="list-style-type: none"> • rpmarch |
| data/linux/proc/sys/dev | <ul style="list-style-type: none"> • cdrom • hpet • parport • raid • rtc • scsi |
| data/linux/proc/sys/dev/cdrom | <ul style="list-style-type: none"> • autoclose • autoeject • check_media • debug • info • lock |
| data Linux/proc/sys/dev/hpet | max-user-freq |
| data/linux/proc/sys/dev/parport | <ul style="list-style-type: none"> • default • parport0 |
| data/linux/proc/sys/dev/parport/default | <ul style="list-style-type: none"> • spintime • timeslice |
| data/linux/proc/sys/dev/parport/parport0 | <ul style="list-style-type: none"> • autoprobe • autoprobe0 • autoprobe1 • autoprobe2 • autoprobe3 • base-addr • devices • dma • irq • modes • spintime |
| data/linux/proc/sys/dev/parport/parport0/devices | <ul style="list-style-type: none"> • active • lp |
| data/linux/proc/sys/dev/parport/parport0/devices/lp | timeslice |
| data/linux/proc/sys/dev/raid | <ul style="list-style-type: none"> • speed_limit_max • speed_limit_min |
| data/linux/proc/sys/dev/rtc | max-user-freq |

| Location | Files |
|---|---|
| data/Linux/proc/sys/dev/scsi | logging_level |
| data/linux/proc/sys/fs | <ul style="list-style-type: none"> • aio-max-nr • aio-nr • aio-max-pinned • aio-max-size • aio-nr • aio-pinned • binfmt_misc • dentry-state • dir-notify-enable • file-max • file-nr • inode-nr • inode-state • lease-break-time • leases-enable • mqueue • overflowgid • overflowuid • quota • suid_dumpable |
| data/linux/proc/sys/fs/binfmt_misc | <ul style="list-style-type: none"> • register • status |
| data/linux/proc/sys/fs/inotify | <ul style="list-style-type: none"> • max_queued_events • max_user_instances • max_user_watches |
| data/linux/proc/sys/fs/mqueue | <ul style="list-style-type: none"> • msg_max • msgsize_max • queues_max |
| data/linux/proc/sys/fs/quota | <ul style="list-style-type: none"> • allocated_dquots • cache_hits • drops • free_dquots • lookups • reads • syncs • warnings • writes |
| data/linux/proc/sys/kernel | <ul style="list-style-type: none"> • pty |

| Location | Files |
|----------|--|
| | <ul style="list-style-type: none"> • random • acct • acpi_video_flags • cad_pid • cap-bound • core_pattern • core_setuid_ok • core_uses_pid • ctrl-alt-del • domainname • exec-shield • exec-shield-randomize • hostname • hotplug • max_lock_depth • modprobe • msgmax • msgmnb • msgmni • ngroups_max • osrelease • ostype • overflowgid • overflowuid • panic • panic_on_oops • panic_on_unrecovered_nmi • pid_max • print_fatal_signals • printk • printk_ratelimit • printk_ratelimit_burst • randomize_va_space • random • real-root-dev • rtsig-max • rtsig-nr • sched_interactive • sem • sercons_esc • shmall • shmmax • shmmni • softlockup_panic • softlockup_thresh |

| Location | Files |
|--|---|
| | <ul style="list-style-type: none"> • suid_dumpable • sysrq • sysrq-key • sysrq-sticky • sysrq-timer • tainted • task_size • threads-max • unknown_nmi_panic • vdso • vdso_populate • version • wake_balance |
| data/linux/proc/sys/kernel/pty | max nr |
| data/linux/proc/sys/kernel/random | <ul style="list-style-type: none"> • boot_id • entropy_avail poolsize • read_wakeup_threshold • uuid • write_wakeup_threshold |
| data/linux/proc/sys/net | <ul style="list-style-type: none"> • 802 core • ethernet • ipv4 • ipv6 • token-ring • unix |
| data/linux/proc/sys/net/802 | — |
| data/linux/proc/sys/net/core | <ul style="list-style-type: none"> • dev_weight • divert_version • hot_list_length • lo_cong • message_burst • message_cost • mod_cong • netdev_max_backlog • no_cong • no_cong_thresh • optmem_max • rmem_default • rmem_max • somaxconn • wmem_default |

| Location | Files |
|---|---|
| | <ul style="list-style-type: none"> • wmem_max • xfrm_acq_expires • xfrm_aevent_etime • xfrm_aevent_rseqth • xfrm_larval_drop |
| data/linux/proc/sys/net/ethernet | — |
| data/linux/proc/sys/net/ipv4 | <ul style="list-style-type: none"> • conf • neigh • netfilter • route • cipso_cache_bucket_size • cipso_cache_enable • cipso_rbm_optfmt • cipso_rbm_strictvalid • icmp_echo_ignore_all • icmp_echo_ignore_broadcasts • icmp_errors_use_inbound_ifaddr • icmp_ignore_bogus_error_responses • icmp_ratelimit • icmp_ratemask • igmp_max_memberships • igmp_max_msf • inet_peer_gc_maxtime • inet_peer_gc_mintime • inet_peer_maxttl • inet_peer_minttl • inet_peer_threshold • ip_autoconfig • ip_conntrack_max • ip_default_ttl • ip_dynaddr • ip_forward • ip_local_port_range • ip_no_pmtu_disc • ip_nonlocal_bind • ipfrag_high_thresh • ipfrag_low_thresh • ipfrag_max_dist • ipfrag_secret_interval • ipfrag_time • ip_local_port_range • ip_nonlocal_bind • ip_no_pmtu_disc |

| Location | Files |
|----------|--|
| | <ul style="list-style-type: none"> • neigh • route tcp_abc • tcp_abort_on_overflow • tcp_adv_win_scale • tcp_app_win • tcp_base_mss • tcp_bic • tcp_bic_beta • tcp_bic_fast_convergence • tcp_bic_low_window • tcp_congestion_control • tcp_dma_copybreak • tcp_dsack • tcp_ecn • tcp_fack • tcp_fin_timeout • tcp_frto • tcp_keepalive_intvl • tcp_keepalive_probes • tcp_keepalive_time • tcp_low_latency • tcp_max_orphans • tcp_max_syn_backlog • tcp_max_tw_buckets • tcp_mem • tcp_moderate_rcvbuf • tcp_mtu_probing • tcp_no_metrics_save • tcp_orphan_retries • tcp_reordering • tcp_retrans_collapse • tcp_retries1 • tcp_retries2 • tcp_rfc1337 • tcp_rmem • tcp_sack • tcp_slow_start_after_idle • tcp_stdurg • tcp_synack_retries • tcp_syncookies • tcp_syn_retries • tcp_timestamps • tcp_tso_win_divisor • tcp_tw_recycle • tcp_tw_reuse |

| Location | Files |
|--|---|
| | <ul style="list-style-type: none"> • tcp_vegas_alpha • tcp_vegas_beta • tcp_vegas_cong_avoid • tcp_vegas_gamma • tcp_window_scaling • tcp_wmem • tcp_workaround_signed_windows • udp_mem • udp_rmem_min • udp_wmem_min |
| data/linux/proc/sys/net/ipv4/conf | <ul style="list-style-type: none"> • all • default • eth0 • lo |
| data/linux/proc/sys/net/ipv4/conf/all | <ul style="list-style-type: none"> • accept_redirects • accept_source_route • arp_announce • arp_filter • arp_ignore • bootp_relay • disable_policy • disable_xfrm • force_igmp_version • forwarding • log_martians • mc_forwarding • medium_id • proxy_arp • rp_filter • secure_redirects • send_redirects • shared_media • tag |
| data/linux/proc/sys/net/ipv4/conf/default | <ul style="list-style-type: none"> • accept_redirects • accept_source_route • arp_announce • arp_filter • arp_ignore • bootp_relay • disable_policy • disable_xfrm • force_igmp_version |

| Location | Files |
|---|---|
| | <ul style="list-style-type: none"> • forwarding • log_martians • mc_forwarding • medium_id • proxy_arp • rp_filter • secure_redirects • send_redirects • shared_media • tag |
| data/linux/proc/sys/net/ipv4/conf/eth0 | <ul style="list-style-type: none"> • accept_redirects • accept_source_route • arp_announce • arp_filter • arp_ignore • bootp_relay • disable_policy • disable_xfrm • force_igmp_version • forwarding • log_martians • mc_forwarding • medium_id • proxy_arp • rp_filter • secure_redirects • send_redirects • shared_media • tag |
| data/linux/proc/sys/net/ipv4/conf/lo | <ul style="list-style-type: none"> • accept_redirects • accept_source_route • arp_announce • arp_filter • arp_ignore • bootp_relay • disable_policy • disable_xfrm • force_igmp_version • forwarding • log_martians • mc_forwarding • medium_id • proxy_arp |

| Location | Files |
|---|---|
| | <ul style="list-style-type: none"> • rp_filter • secure_redirects • send_redirects • shared_media • tag |
| data/linux/proc/sys/net/ipv4/neigh | <ul style="list-style-type: none"> • default • eth0 • lo |
| data/linux/proc/sys/net/ipv4/neigh/default | <ul style="list-style-type: none"> • anycast_delay • app_solicit • base_reachable_time • delay_first_probe_time • gc_interval • gc_stale_time • gc_thresh1 • gc_thresh2 • gc_thresh3 • locktime • mcast_solicit • proxy_delay • proxy_qlen • retrans_time • retrans_time_ms • ucast_solicit • unres_qlen |
| data/linux/proc/sys/net/ipv4/neigh/eth0 | <ul style="list-style-type: none"> • anycast_delay • app_solicit • base_reachable_time • delay_first_probe_time • gc_stale_time • locktime • mcast_solicit • proxy_delay • proxy_qlen • retrans_time • retrans_time_ms • ucast_solicit • unres_qlen |
| data/linux/proc/sys/net/ipv4/neigh/lo | <ul style="list-style-type: none"> • anycast_delay • app_solicit • base_reachable_time |

| Location | Files |
|---|--|
| | <ul style="list-style-type: none"> • delay_first_probe_time • gc_stale_time • locktime • mcast_solicit • proxy_delay • proxy_qlen • retrans_time • retrans_time_ms • ucast_solicit • unres_qlen |
| data/linux/proc/sys/net/ipv4/netfilter | <ul style="list-style-type: none"> • ip_contrack_buckets • ip_contrack_count • ip_contrack_generic_timeout • ip_contrack_icmp_timeout • ip_contrack_log_invalid • ip_contrack_max • ip_contrack_tcp_be_liberal • ip_contrack_tcp_loose • ip_contrack_tcp_max_retrans • ip_contrack_tcp_timeout_close • ip_contrack_tcp_timeout_close_wait • ip_contrack_tcp_timeout_established \ • ip_contrack_tcp_timeout_fin_wait • ip_contrack_tcp_timeout_last_ack • ip_contrack_tcp_timeout_max_retrans • ip_contrack_tcp_timeout_syn_recv • ip_contrack_tcp_timeout_syn_sent • ip_contrack_tcp_timeout_time_wait • ip_contrack_udp_timeout • ip_contrack_udp_timeout_stream |
| data/linux/proc/sys/net/ipv4/route | <ul style="list-style-type: none"> • error_burst • error_cost • flush • gc_elasticity • gc_interval • gc_min_interval • gc_thresh • gc_timeout • max_delay • max_size • min_adv_mss • min_delay • min_pmtu |

| Location | Files |
|--|--|
| data/linux/proc/sys/net/ipv6 | <ul style="list-style-type: none"> • mtu_expires • redirect_load • redirect_number • redirect_silence • secret_interval |
| data/linux/proc/sys/net/ipv6/conf | <ul style="list-style-type: none"> • conf • icmp • neigh • route • bindv6only • ip6frag_high_thresh • ip6frag_low_thresh • ip6frag_secret_interval • ip6frag_time • mld_max_msf |
| data/linux/proc/sys/net/ipv6/conf | <ul style="list-style-type: none"> • all • default • etho • lo |
| data/linux/proc/sys/net/ipv6/conf/all | <ul style="list-style-type: none"> • accept_ra • accept_redirects • autoconf • dad_transmits • force_mld_version • forwarding • hop_limit • max_addresses • max_desync_factor • mtu • regen_max_retry • router_solicitation_delay • router_solicitation_interval • router_solicitations • temp_prefered_lft • temp_valid_lft • use_tempaddr |
| data/linux/proc/sys/net/ipv6/conf/default | <ul style="list-style-type: none"> • accept_ra • accept_redirects • autoconf • dad_transmits • force_mld_version |

| Location | Files |
|---|---|
| data/linux/proc/sys/net/ipv6/conf/eth0 | <ul style="list-style-type: none"> • forwarding • hop_limit • max_addresses • max_desync_factor • mtu • regen_max_retry • router_solicitation_delay • router_solicitation_interval • router_solicitations • temp_prefered_lft • temp_valid_lft • use_tempaddr |
| data/linux/proc/sys/net/ipv6/conf/lo | <ul style="list-style-type: none"> • accept_ra • accept_redirects • autoconf • dad_transmits • force_mld_version • forwarding • hop_limit • max_addresses • max_desync_factor • mtu • regen_max_retry • router_solicitation_delay • router_solicitation_interval • router_solicitations • temp_prefered_lft • temp_valid_lft • use_tempaddr <ul style="list-style-type: none"> • accept_ra • accept_redirects • autoconf • dad_transmits • force_mld_version • forwarding • hop_limit • max_addresses • max_desync_factor • mtu • regen_max_retry • router_solicitation_delay • router_solicitation_interval • router_solicitations |

| Location | Files |
|---|---|
| | <ul style="list-style-type: none"> temp_prefered_lft temp_valid_lft use_tempaddr |
| data/linux/proc/sys/net/token-ring | rif_timeout |
| data/linux/proc/sys/net/unix | max_dgram_qlen |
| data/linux/proc/sys/proc | — |
| data/linux/proc/sys/sunrpc | <ul style="list-style-type: none"> max_resvport min_resvport nfs_debug nfsd_debug nlm_debug rpc_debug tcp_slot_table_entries udp_slot_table_entries |
| data/linux/proc/sys/vm | <ul style="list-style-type: none"> bdflush_block_dump dirty_background_ratio dirty_expire_centisecs dirty_ratio dirty_writeback_centisecs drop_caches dcache_priority flush_mmap_pages hugetlb_shm_group hugetlb_pool inactive_percent inactive_clean_percent kswapd laptop_mode legacy_va_layout lower_zone_protection max_map_count max-readahead min-readahead max_queue_depth min_free_kbytes mmap_min_addr nfs-writeback-lowmem-only nr_hugepages nr_pdflush_threads oom-kill overcommit_memory overcommit_ratio |

| Location | Files |
|---------------------|--|
| data /linux/var | <ul style="list-style-type: none"> • pagecache • page-cluster • panic_on_oom • pagetable_cache • percpu_pagelist_fraction • swap_token_timeout • swappiness • stack_defer_threshold • toss_page_cache_nodes • vdso_enabled • vfs_cache_pressure • write-mapped • zone_reclaim_interval • zone_reclaim_mode |
| data /linux/var/log | <p>log</p> <ul style="list-style-type: none"> • dmesg • mcelog • messages |