



v.0.0.1

itadOS

Config explanation

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Tutorial on how to change the default behaviour of itadOS is shown in '**itadOS Guides**' under '**Modify itadOS**'. This document briefly explains the various settings of itadOS.

Format

ERASURE_NAME_CONF

Custom name to use for the erasure method. This appears in front of 'Erasure Report'. In figure 1.1, 'ERASURE_NAME_CONF' is set to 'itadOS'.



Figure 1.1. ERASURE_NAME_CONF is set to 'itadOS'.

ITADOS_VERSION_CONF

ItadOS version number which appears on the upper left-hand corner of the report. In figure 1.2, 'ITADOS_VERSION_CONF' is set to 'itadOSv.0.0.1'.

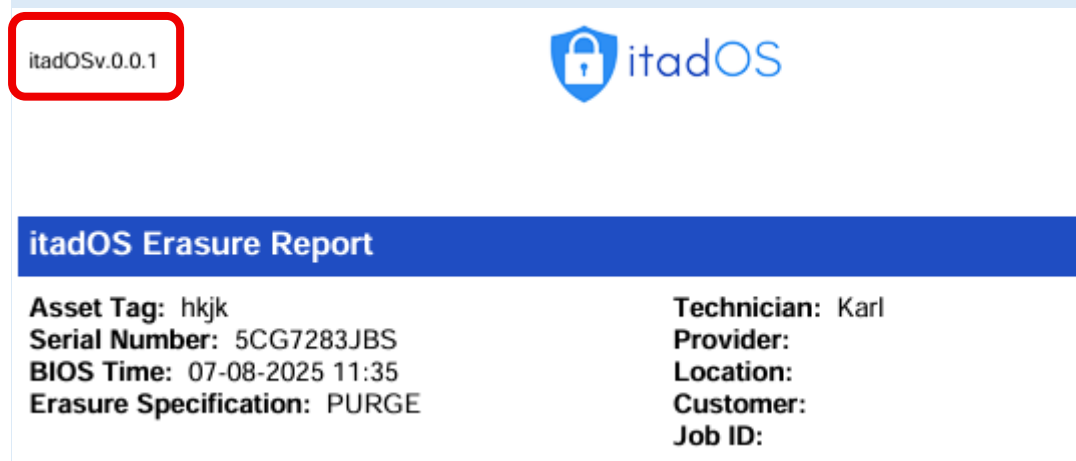


Figure 1.2. ITADOS_VERSION_CONF is set to 'itadOSv.0.0.1'.

SYSTEM_SPEC_CONF

Defines the style of system specifications inserted into the report.

Options: full, min.

min: Inserts major specifications which include processor, graphics card, RAM amount battery health and attached storage devices. This produces a short and easy to read specification list, as seen in figure 1.3.

System Specifications:

System Manufacturer:

HP

System Model:

HP EliteBook 840 G3

Processor:

Intel(R) Core(TM) i5-6300U CPU @ 2.40GHz

Graphics Card:

Intel Corporation Skylake GT2 [HD Graphics 520] (rev 07)

Dedicated Graphics Card:

N/A

RAM Amount:

8.2G

Battery Health:

Missing battery

Disks:

Disk	Size	Type	Model
sda	223.6G	SATA	MSI S270 240GB
nvme0n1	119.2G	NVME	ORICO

Figure 1.3. SYSTEM_SPEC_CONF is set to 'min'.

full: Inserts a detailed lists of all specifications and attached devices. This list is long and not as easy to read, as seen in figure 1.4.

System Specifications:			
System Manufacturer: HP			
System Model: HP EliteBook 840 G3			
/0	bus	8079	
/0/0	memory	64KiB	L1 cache
/0/1	memory	64KiB	L1 cache
/0/2	memory	512KiB	L2 cache
/0/3	memory	3MiB	L3 cache
/0/4	processor	Intel(R)	Core(TM) i5-6300U CPU @ 2.40GHz
/0/5	memory	8GiB	System Memory
/0/5/0	memory	8GiB	SODIMM DDR4 Synchronous Unbuffered (Unregistered) 2133 MHz (0.5 ns)
/0/5/1	memory	[empty]	
/0/b	memory	64KiB	BIOS
/0/100	bridge	Xeon	E3-1200 v5/E3-1500 v5/6th Gen Core Processor Host Bridge/DRAM Registers
/0/100/2	/dev/fb0	display	Skylake GT2 [HD Graphics 520]
/0/100/14	bus	Sunrise	Point-LP USB 3.0 xHCI Controller
/0/100/14/0	usb1	bus	xHCI Host Controller
/0/100/14/0/7	communication	Bluetooth	wireless interface
/0/100/14/0/8	generic	VFS495	Fingerprint Reader
/0/100/14/0/9	input16	multimedia	HP HD Camera: HP HD Camera
/0/100/14/1	usb2	bus	xHCI Host Controller

Figure 1.4. SYSTEM_SPEC_CONF is set to 'full'. This is a part of the full specification list.

Service Information

TECHNICIAN_CONF

Sets default technician's name shown on the report. This appears after 'Technician:'. In figure 2.1, 'TECHNICIAN_CONF' is set to 'Technician'.

itadOS Erasure Report

Asset Tag: Service info
Serial Number: 5CG7283JBS
BIOS Time: 07-08-2025 12:42
Erasure Specification: PURGE

Technician: Technician
Provider: Provider
Location: Location
Customer: Customer
Job ID: Job NR

Figure 2.1. TECHNICIAN_CONF is set to 'Technician'.

PROVIDER_CONF

Sets default provider's name shown on the report. This appears after 'Provider:'. In figure 2.2, 'PROVIDER_CONF' is set to 'Provider'.

itadOS Erasure Report

Asset Tag: Service info
Serial Number: 5CG7283JBS
BIOS Time: 07-08-2025 12:42
Erasure Specification: PURGE

Technician: Technician
Provider: Provider
Location: Location
Customer: Customer
Job ID: Job NR

Figure 2.2. PROVIDER_CONF is set to 'Provider'.

LOCATION_CONF

Sets default location shown on the report. This appears after 'Location:'. In figure 2.3, 'PROVIDER_CONF' is set to 'Provider'.

itadOS Erasure Report

Asset Tag: Service info
Serial Number: 5CG7283JBS
BIOS Time: 07-08-2025 12:42
Erasure Specification: PURGE

Technician: Technician
Provider: Provider
Location: Location
Customer: Customer
Job ID: Job NR

Figure 2.3. LOCATION_CONF is set to 'Location'.

CUSTOMER_CONF

Sets default customer's name shown on the report. This appears after 'Customer:'. In figure 2.4, '**CUSTOMER_CONF**' is set to '**Customer**'.

itadOS Erasure Report

Asset Tag: Service info
Serial Number: 5CG7283JBS
BIOS Time: 07-08-2025 12:42
Erasure Specification: PURGE

Technician: Technician
Provider: Provider
Location: Location
Customer: Customer
Job ID: Job NR

Figure 2.4. CUSTOMER_CONF is set to 'Customer'.

JOBNR_CONF

Sets default job ID shown on the report. This appears after 'Job ID:'. In figure 2.5, '**JOBNR_CONF**' is set to '**Job NR**'.

itadOS Erasure Report

Asset Tag: Service info
Serial Number: 5CG7283JBS
BIOS Time: 07-08-2025 12:42
Erasure Specification: PURGE

Technician: Technician
Provider: Provider
Location: Location
Customer: Customer
Job ID: Job NR

Figure 2.5. JOBNR_CONF is set to 'Job NR'.

Erasure Specification

ERASURE_SPEC_CONF

Specifies the default erasure method.

Find out more: <https://csrc.nist.gov/pubs/sp/800/88/r1/final>

Options: purge, clear, auto, skip

purge: Most secure erasure methods used. Not supported by all disks.

clear: Less secure erasure methods used. Supported by majority of disks.

auto: Attempts purge, falls back to clear if purge fails.

skip: Skips erasure.

VERIFICATION_CONF

Specifies the default erasure verification method.

Find out more: <https://csrc.nist.gov/pubs/sp/800/88/r1/final>

Options: full, partial, skip

full: Scans the entire disk for zero pattern.

partial: Scans the first and last 10% of disk for zero pattern. (NOT NIST COMPLIANT)

skip: Skips verification.

Other

MANUAL_USER_CONF

Toggles whether the user is prompted for manual settings on boot.

The settings menu is shown in figure 4.1.

Settings that can be changed:

Service information:

TECHNICIAN_CONF

PROVIDER_CONF

LOCATION_CONF

JOBNR_CONF

Erasure specifications:

ERASURE_SPEC_CONF

VERIFICATION_CONF

Other:

ASSET_CONF

AUTO_ERASURE_CONF

SUSPEND_CONF

SMART_TEST_CONF

FILTER_BOOT_DISK_CONF

CHECK_ZERO_PATTERN_AND_OVERWRITE_CONF

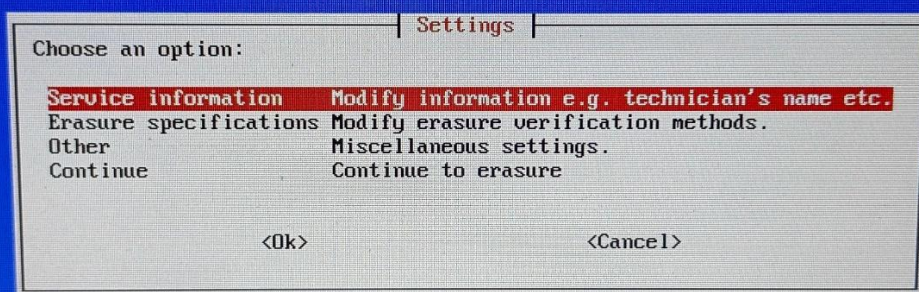


Figure 4.1. Settings prompt.

CHECK_ZERO_PATTERN_AND_OVERWRITE_CONF

If enabled, fills disk with zeros if zero-pattern check fails. This is only checked after erasure is completed using methods such as secure erase, crypto erase etc.

Options: on, off

ASSET_CONF

Sets the method of asset tag acquisition.

Options: asset, serial

asset: User is asked to provide an asset tag. The prompt is shown in figure 4.2.

serial: Asset tag is automatically set to the device's serial number.

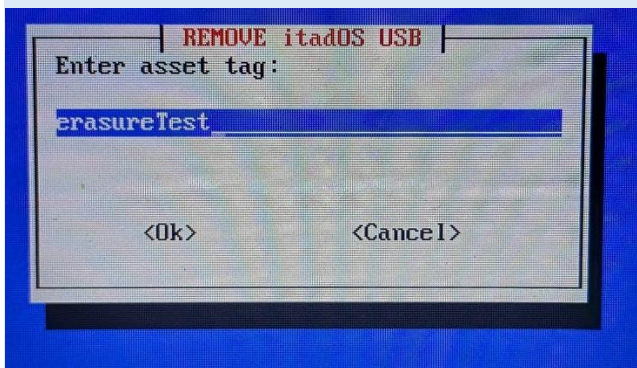


Figure 4.2. Asset tag prompt.

FILTER_BOOT_DISK_CONF

If enabled, prevents the boot disk from being shown as erasable.

Options: on, off

SMART_TEST_CONF

Defines SMART test mode for drive health.

Options: short, long, skip

short: Quick check, takes up to 2 minutes.

long: More comprehensive test can take hours.

skip: Skips health check.

SUSPEND_CONF

If enabled, suspends the computer before erasure attempts. If this is off, automatic suspension is still active upon when frozen disk is detected.

options: on, off

AUTO_ERASURE_CONF

If enabled, automatically erases all attached disks (except boot disk if FILTER_BOOT_DISK_CONF is on).

options: on, off