

# BitRaser

## **BitRaser Drive Verifier**

User Guide for version 1.0



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### 1. Overview

The following section provides an overview of the software, guidance on how to use this document, and important contact information for further assistance.

1.1. <u>About BitRaser Drive Verifier</u> provides a detailed guide on the key functionalities of the software, helping users understand its core features and how to use it effectively.

1.2. <u>About the Guide</u> offers information about the topics covered and explains various terms used throughout the manual, ensuring users can easily navigate and understand the content.

1.3. For any questions, technical support regarding **BitRaser Drive Verifier** refer to the <u>Contact</u> <u>Information</u> section.



### **1.1. ABOUT BITRASER DRIVE VERIFIER**

**BitRaser Drive Verifier** is a valuable tool for **ITADs**, **refurbishers**, **resellers**, and **distributors** to confirm that data has been securely and completely erased from storage devices. The software generates tamper-proof, detailed verification reports that provide valuable insights into the verification process. These reports offer a comprehensive overview of the drive's verification, ensuring no recoverable traces of data are left behind.

The software offers a level of security and transparency that sets it apart from other tools. By providing easy-to-read verification reports, it simplifies audits and regulatory compliance, offering peace of mind to companies across industries like healthcare, finance, and government.

#### **Key Features**

- 1. Hexadecimal view of Hard Drive Contents: Provides a Hex Viewer to view the raw and exact content of the hard drive in hexadecimal format.
- 2. Cloud Management with BitRaser Server (Applicable only if you have BitRaser Drive Verifier's licenses on BitRaser cloud): Cloud integration for user management, licenses and reports. Also, the software automatically saves all reports on the BitRaser Server.
- 3. Multiple Options to Boot and Run: Option to boot either using a USB dongle or CD.
- 4. Multiple options to connect to Internet (Applicable only if you have BitRaser Drive Verifier's licenses on BitRaser cloud): Options to connect to the internet using either Ethernet or wireless. It also supports internet connectivity through a proxy server.
- 5. Secure boot support: Ensures that the software securely boots without restrictions.
- 6. Non-expiry licenses: Pay per use-The licenses never get expired.



7. Option to transfer licenses (Applicable only if you have BitRaser Drive Verifier's licenses on BitRaser cloud): Supports the transfer of licenses from BitRaser cloud console to BitRaser lock key.

#### 8. Generating Reports:

- Generate 100% secure and tamper-proof reports.
- Option to customize a report layout as per requirements.
- o Option to add customized fields to report as per requirements.
- Automatic report delivery to **BitRaser** Cloud Console (Applicable only if you have **BitRaser** Drive Verifier's licenses on **BitRaser** cloud).
- Digital identifier and report data validation feature.
- Option to save reports in **PDF**, **CSV** and **XML** format.
- Option to export a report from **BitRaser Drive Verifier** Lock Key (USB) edition to import it in **BitRaser Cloud Console**.
- Full visibility of hardware and verification details in the report.
- 9. Supports Encryption for Data Security (Applicable only if you have BitRaser Drive Verifier's licenses on BitRaser cloud): All the data transferred between the software and BitRaser Server is encrypted for data security.



### 1.2. ABOUT THE GUIDE

In this guide, you will learn how to verify your drive after the erasure process to ensure it has been completely wiped. The manual guides you through verifying the drive, customizing settings and adding custom details. Finally, you will explore how to generate tamper-free verification reports, helping you build solid trust with your customers.

#### What you will Learn

- 1. Introduction of BitRaser Drive Verifier
- 2. First Steps
- 3. <u>How To</u>
- 4. Frequently Asked Questions (FAQ)
- 5. Legal Notices
- 6. About Stellar

There are *Cautions* and *Notes* in some topics of this guide for better understanding. These *Cautions* and *Notes* are given in italics style.

#### Acronyms used in this guide with their definitions:

ITEM	EXPLANATION
BIOS	BIOS stands for Basic Input/Output system. The BIOS is a computer program embedded on the chip of the computer's motherboard that recognizes and controls various devices that make up the computer.
HDD	Hard Disk Drive (HDD) storage is made up of magnetic tape and mechanical parts inside. This type of drive is cheaper and available with more storage space than SSDs.
HPA/DCO	The Host protected Area (HPA) and Device Configuration Overlay (DCO) are features for hiding sectors of a hard disk from being accessible to the end user.
ISO file	An ISO file, often called an ISO image, is a single file that's a perfect representation of an entire Cd or DVD. The entire contents of a disc can be precisely duplicated in a single ISO file.
KB, MB, GB and TB	This measure is used to describe memory capacity and disk storage. A kilobyte (KB) is 1,024 bytes, and one megabyte (MB) is 1,024 kilobytes. One gigabyte (GB) is equal to 1,024 megabytes,

		stellar
	while a terabyte (TB)is 1,024 gigabytes.	
PDF	Portable Document Format (PDF) is a file format designed to present documents consistently across multiple devices and platforms.	
PNG	Portable Network Graphics (PNG) is a raster-graphics file-format for image compression.	
SSD	Solid State Drive (SSD) is a flash storage and has no moving parts whatsoever. As a result, they're smaller and take up less space in a PC. They are much faster to read and write in comparison to HDD.	
User ID	Stands for User Identification, which by default is the e-mail address of the user in this guide.	
XML	Extensible Markup Language (XML) is a meta-language that allows users to define their own customized markup languages, especially to display documents on the internet.	
ZIP	ZIP is an archive file format that supports data compression. A ZIP file may contain one or more files or directories that may have been compressed.	



### **1.3. CONTACT INFORMATION**

Our Technical Support professionals will provide solutions for all your queries related to **BitRaser Drive Verifier**.

- You can either call us orgo online to our <u>support section</u>.
- Chat Live with an <u>Online Technician</u>.
- Search in our extensive <u>Knowledgebase</u>.
- Submit query from <u>here</u>.
- E-mail BitRaser Support at: techsupport@stellarinfo.com



#### 2. First Steps

- 2.1. System Requirements
- 2.2. Understand User Interface
  - 2.2.1. Explore Icons and Buttons
- 2.3. BitRaser Drive Verifier Software Distribution
- 2.4. Booting Process of BitRaser Drive Verifier
  - 2.4.1. Booting from Offline media
  - 2.4.2. Booting from ISO file
- 2.5. Obtain Licenses for BitRaser Drive Verifier
- 2.6. Understand Software Settings
  - 2.6.1. General Settings
  - 2.6.2. BitRaser Server Settings
  - 2.6.3. Network Settings
  - 2.6.4. Proxy Settings
- 2.7. What's Next?



### 2.1. SYSTEM REQUIREMENTS

Before you start the installation of **BitRaser Drive Verifier**, make sure that your computer meets the following requirements.

#### **Minimum System Requirements**

- Processor: x86 or x64 processor
- **RAM**: 2 GB Minimum (4 GB Recommended)
- **Optical Drive**, if you are using an optical disk (CD/DVD) to boot your computer
- **USBPORT** 2.0 / 3.0, with an option in the BIOS to boot the computer from USB device, if you are using a USB to boot your computer.

**Note:** For the **BitRaser Drive Verifier** with **BitRaser cloud licensing**, you need an active internet connection.

**Note:** If you are using a **BitRaser Lock Key (USB)** for licensing, you need two USB ports - one for **Bootable USB** device and another for **BitRaser Lock key**.



### 2.2. UNDERSTAND USER INTERFACE

**BitRaserDrive Verifier** is a user-friendly GUI application designed to help you easily verify your erased drive. The **Home** screen consists of three tabs:

1. **Verifier** - Click on the **Verifier** tab to select the drive and confirm that it has been completely erased. This screen displays a table with the following drive information:

BitRase							
Verifier	Verifier Details		Report				▲ □ ♀ i ?
1 Drive Selected to Verify	1	J.					
Model No	Serial No	Size	Total Sectors	Туре		Attribute	
WDC WD1600AAJS-56	WD-WCAV33899463	149.05 GB	312581808	SATA	Ŷ	-	
Select All							
<b>•</b>			Ve	rify			
<mark>୯</mark> ୯							📋 License left : 0

i. Model No. - Displays the drive's model.

- ii. Serial No. Shows the unique serial number of the drive.
- iii. Size Indicates the total capacity of the drive.
- iv. **Total sectors** Shows the total number of sectors on the drive.
- v. **Type** Specifies the drive type, such as **NVMe**, **HDD**,**SSD**, etc.
- vi. Attribute- Shows the drive's features and capabilities, such as SED (Self-Encrypting Drive), HPA (Host Protected Area), DCO (Device Configuration Overlay), Bitlocker and more.
- 2. Verifier Details In the Verifier Details tab, you can enter additional details such as the verifier's name, asset information, and any custom fields.

Verifier	Verifier Details	Report	۵ 🛛 🌣 ۱
Enter Verifier Details	C Enter Asset Details	C Enter Custom Fields	
Customer Details			
Customer Na	ne		
Customer Add	Iress		
Media Details			
Media Source			
Media Destina	ation		
Technician Performing	Verifier		
Technician Na	ame		
Organization			
Person Validating Verifi	er		
Validator Nam	ie		
Organization	[		

3. Report -Click Report tab to view and save detailed verification report.

DRIVE VE	ISER RIFIER		
Verifier	Verifier Details	Report	stellar
BitRas	er		stellar
	Drive V	erification	n Report
Report Inform	nation		
Report ID: Digital Identifier:	241008043822 b06f4b7232b60fa471df8acd7a6c61fd	Report Date Software Ve	
Customer De	tails		
Customer Name:		Customer A	ddress:
Verification S	ummary		
Total Disks:	1	Passed Disk	
Disks to Verify: Disks in Process:	1 0	Failed Disks	: 0
Hardware Inf	ormation		
Manufacturer:	LENOVO	Chassis Type	e: Notebook
Model Name:	3680L32	UUID:	40ed381f-dec4-df11-bc26-b947f7da89b5
System Serial:	R97D2AA	SKU Numbe	the spectred
Chassis Serial: Report Setting	R97D2AA	USB Hub:	8 Şave
00			🕑 🛄 License left : 703

### 2.2.1. EXPLORE ICONS AND BUTTONS

1. In the top-right corner of the home screen, you will see set of icons as shown below:



- i. License Manager
  - Transfers the licenses from **BitRaser cloud** to the lock key.



• Shows the hexadecimal view of your drive.



• Modify the general and default settings of the software.



• Shows the information about BitRaser Drive Verifier.



• Shows the help manual of **BitRaser Drive Verifier**.



- Verify is centered at the bottom of the Home screen.
- Click Verify to start the verification process of the drive.

3. In the bottom-left corner of the Home screen, you will see two icons:





- Located at the bottom left of the **Home** screen.
- Select All is selected by default, it automatically selects all the drives currently displayed in the software.
- ii. Power off
  - Click Power off to shut down the machine.
- ii. Restart C
  - Click **Restart** to restart the machine.
- 5. In the bottom-right corner of the Home screen, you will see two icons:
  - Battery

i.

• Click battery to view the battery percentage.



- ii. Licenses left
  - Shows the number of licenses left for verification.
- iii. System Information 😐
  - Hover on this icon to learn about device's RAM and processor information.

**Note:** If you have the licenses on **BitRaser cloud** and the application is not connected to **BitRaser** server, the number of licenses will be shown as zero.



#### 2.3. BITRASER DRIVE VERIFIER SOFTWARE DISTRIBUTION

BitRaserDrive Verifier software is provided to you in two ways. The following ways are given below:

- 1. **Offline Media (USB Drive) :** Instructions on receiving and booting the software from a physical USB drive.
- 2. **ISO File Download:** Instructions on downloading the ISO file from the **BitRaser Cloud Console** and creating bootable media.

#### 2.4. BOOTING PROCESS OF BITRASER DRIVE VERIFIER

#### You can boot BitRaser Drive Verifier software in two ways:

- If you opted for the offline bootable USB, explore <u>Booting from Offline Media</u>.
- If you opted for ISO on the cloud, explore <u>Booting from an ISO file</u>.

### 2.4.1. BOOTING FROM OFFLINE MEDIA

#### Receiving the media:

In offline edition, you will receive **BitRaser Drive Verifier** bootable media such as a **USB drive**.

#### **Booting Process:**

- 1. Connect the **BitRaser Drive Verifier** bootable media to your computer's USB port.
- 2. Power on your computer and check the BIOS boot options to boot from the bootable media (USB drive).
- 3. Once the computer boots, you will see the **BitRaser Boot Menu** screen.

10
BitRaser
BitRaser NOFLR BitRaser Safe Mode
Automatic boot in 10 seconds
<b>BitRaser</b>
• DRIVE VERIFIER

- 4. The screen has the following options:
  - a **BitRaser:** This is the default option to run **BitRaser Drive Verifier**. This option runs **BitRaser Drive Verifier** automatically in the most commonly used system configuration. *Note: We recommend to use this option to run* **BitRaser Drive Verifier** *successfully.*
  - b. **BitRaser NOFLR:** This option uses NOFLR functionality and is mostly used if **BitRaser Drive Verifier** fails to run using the first option.
  - c. BitRaser Safe Mode: This option uses safe mode functionality and boots BitRaser Drive Verifier with the minimum resources that are required to run the application.



**Note: BitRaser Drive Verifier** automatically runs using the first option if there is no input from the user in 30 seconds. Use the arrow keys on your keyboard to cancel the action within 30 seconds.



5. **BitRaser Drive Verifier** now starts to boot and load from the bootable media. The following screen appears.

6. Once the system booting completes, it shows **BitRaser Drive Verifier** running on the screen as shown below:

BitRas									
Verifier	Verifier Details		Report						<b>₽</b> i ?
1 Drive Selected to Verify									Ţ
Model No	Serial No	Size	Total Sectors	Туре		Attribute			
WDC WD1600AAJS-56	WD-WCAV33899463	149.05 GB	312581808	SATA	Ţ		m		
Select All			Ve	rify					
<mark>0</mark> 0								🗓 License le	ft : 0

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### 2.4.2. BOOTING FROM ISO FILE

#### Downloading the ISO file:

Download the BitRaser Drive Verifier ISO file from the BitRaser cloud console.

#### **Creating Bootable Media:**

- 1. Login to BitRaser cloud console using the Login credentials (username and password) mailed to you.
- 2. Click **Download BitRaser** located in the left pane.

📧 Users & Licenses	>
Reports	>
Download BitRaser	
Customize ISO	>
<ul><li>Customize ISO</li><li>Help Manual</li></ul>	>

- 3. A window appears containing the list of **BitRaser** software. Click **Cloud Variant** inside **BitRaser Drive Verifier**, the ISO starts downloading.
- 4. Insert a USB in your computer and burn the ISO in your USB using a third-party software.
- 5. Connect the **BitRaser Drive Verifier** bootable media to your computer's USB port in which you want to verify the drive.
- 6. Power on your computer and check the BIOS boot options to boot from the bootable media (USB drive).
- 7. Once the computer boots, you will see the BitRaser Boot Menu screen.



8. The screen has the following options:

- a. BitRaser: This is the default option to run BitRaser Drive Verifier. This option runs BitRaser
  Drive Verifier automatically in the most commonly used system configuration.
  Note: We recommend to use this option to run BitRaser Drive Verifier successfully.
- **b. BitRaser NOFLR:** This option uses NOFLR functionality and is mostly used if **BitRaser Drive Verifier** fails to run using the first option
- c. BitRaser Safe Mode: This option uses safe mode functionality and boots BitRaser Drive Verifier with the minimum resources that are required to run the application.
  Note: BitRaser Drive Verifier automatically runs using the first option if there is no input from the user in 30 seconds. Use the arrow keys on your keyboard to cancel the action within 30 seconds.
- 9. BitRaser Drive Verifier now starts to boot and load from the bootable media. The following screen appears.



10. Once the system booting completes, it shows **BitRaser Drive Verifier** running on the screen as shown below:



Verifier						
	Verifier Detail	ls	Report			
Drive Selected to Verify		-		_		
odel No	Serial No 66 WD-WCAV33899463	Size 149.05 GB	Total Sectors 312581808	Type SATA	Attribute	

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### 2.5. OBTAIN LICENSES FOR BITRASER DRIVE VERIFIER

#### 1. Obtaining Licenses in online edition:

- i. After completing the booting process successfully, Goto **Settings**. *Note: To know how to boot, refer <u>Booting from ISO file</u>.*
- ii. Settings window appears, click BitRaser Server.
- iii. Enter the login credentials that is the User Name and Password and click **Connect**.
- iv. The licenses will get fetched in your application from BitRaser cloud.
- v. To check the license information, view the License left label at the bottom-right of the Home screen.

#### 2. Obtaining Licenses in offline edition:

In this edition, you will receive a **lock key** along with the bootable USB. The entire process of connecting lock key and fetching licenses is described below:

- i. Connect the lock key to your computer in which **BitRaser Drive Verifier** is running. *Note: To know how to boot, refer <u>Booting from Offline Media</u>.*
- ii. The licenses will get fetched in your application from the lock key.
- iii. To check the license information, view the License left label at the bottom-right of the Home screen.

**Note:** If you have license information in BitRaser lock key and the key is not connected, you will see an error message as shown below:



Click **OK**, the following dialog box appears:





Connect the **BitRaser lock key** to the USB port of your computer and click **Yes**.



#### 2.6. Understand Software Settings

**BitRaser Drive Verifier** empowers you to modify and customize its settings. In this section, we will explore how to adjust various settings within the software. Follow the guides below to learn about each setting:

- 1. General Settings
- 2. <u>BitRaser Server Settings</u> (Applicable only if you have licenses on BitRaser cloud)
- 3. Network Settings (Applicable only if you have licenses on BitRaser cloud)
- 4. <u>Proxy Settings</u> (Applicable only if you have licenses on BitRaser cloud)



### **2.6.1. GENERAL SETTINGS**

- 1. Click **Settings** located at the top right corner of the screen, the settings window appears. The window has the following tabs:
  - a General Settings
  - b. <u>BitRaser Server Settings</u>
  - c Network Settings
  - d. Proxy Settings
- 2. The General tab is selected by default.

BitRa	aser Drive Verifier
General BitRaser Server	Network Proxy
General Settings	
Skip sectors	
Senable screensaver 30	Seconds
Sync report on cloud during ve	rifier process
Keyboard Settings	
Default Layout	English(United States)-us
	OK Apply Close

- 2. You will see two Settings on the screen having different fields:
  - i. General Settings
  - ii. Keyboard Settings
  - i. General Settings : This field contain the following fields
    - a Skip Sectors -1. If you wish to skip certain sectors in the verification process, Select the

#### Skip sectors check-box.

BitRaser Drive Verifier
General BitRaser Server Network Proxy
General Settings      Skip sectors    Setting      Enable screensaver    30    Seconds      Sync report on cloud during verifier process
Keyboard Settings
Default Layout English(United States)-us
OK Apply Close

- 2. Setting... button appears next to Skip sectors. Click Setting...
- 3. A window appears asking you to enter sector number that you want to skip.

BitRaser Driv	ve Verifier
Enter Sector Number	
234,4567,	
2/32	
Close	Add

- 4. Enter the sector number and click **Add**.
- 5. In case you don't wish to add any sector, click **Close**.

Note: You can add maximum 32 sectors that you want to skip.



- b. **Enable screensaver** Select the **Enable screensaver** checkbox to view the verification progress. Enter the duration after which you want to see the verification progress in the input filed next to Enable screensaver.
- ii. Keyboard Settings : This field contain the following field
  - a **Default Layout**-Click on the drop-down to select the keyboard layout of your choice.
- 4. Click **Apply** to apply the modifications.
- 5. Click **OK** to save and exit the process.



### 2.6.2. BITRASER SERVER SETTINGS

In order to acquire the **BitRaser Drive Verifier** licenses for performing the verification process, you need to connect **BitRaser Drive Verifier** to the **BitRaser server**. Once, the **BitRaser Drive Verifier** is connected to internet, follow the steps to connect to the **BitRaser server**.

1. Click **Settings** located at the top right corner of the screen, the settings window appears. The window has the following tabs:

	BitRaser Drive Verifier
Genera	BitRaser Server Network Proxy
🗌 Skip 🕑 Enal	Settings sectors ble screensaver 30 Seconds report on cloud during verifier process
Keyboa	d Settings Default Layout English(United States)-us 💌
a <u>Genera</u> 5. BitRase	OK Apply Close Settings Server Settings

- c Network Settings
- d. Proxy Settings
- 2. Click **BitRaser Server** tab. This tab has the following fields to fill:



BitRaser Drive Verifier				
General BitRaser Server	Network Proxy			
Host URL / Server IP	bitrasercloud.com			
Server Port No	2000			
Service Port No	443			
User Name				
Password				
BitRaser Cloud Status	Running			
Login Status	Not Connected			
	OK Connect Close			

*Note: BitRaser Cloud* status shows "*No Response*" when *BitRaser cloud server* is not accessible from your network otherwise it shows *Running*.

Sr. No.	Field Name	Description			
1.	Host URL/ Server IP	Host URL or Server IP address where the <b>BitRaser</b> cloud console is located.			
2.	User Name	It is the name which is used to login to <b>BitRaser</b> cloud console.			
3.	Password	Enter the password to login to the <b>BitRaser</b> cloud console.			

Note: The field Server Port No and Service Port No are disabled and cannot be modified.

- 3. After filling the above details, click **Connect**.
- 4. If the application is successfully logged into **BitRaser Server**, the Login Status shows Connected. If the login is unsuccessful, the Login Status shows **Not Connected**.

**Note:** If the Login Status shows **Not Connected**, check if the details entered are correct and try again.

5. Click **OK** or **Close** to exit the settings window.



### 2.6.3. NETWORK SETTINGS

Once the **BitRaser Drive Verifier** application is started, you must connect to the internet in order to connect to **BitRaser server** and acquire license information. To connect to the internet, perform the following steps:

1. Click **Settings** located at the top right corner of the screen. The settings window appears having following tabs:

BitRaser Drive Verifier				
General BitRaser Server Network Proxy				
General Settings				
Skip sectors				
Seconds				
Sync report on cloud during verifier process				
Keyboard Settings				
Default Layout English(United States)-us				
OK Apply Close				

- a General Settings
- b. BitRaser Server Settings
- c Network Settings
- d. Proxy Settings
- 2. Click **Network** tab. This tab has the following options to connect to the internet:

BitRaser Drive Verifier				
General BitRaser Server	Network Proxy			
• Ethernet	() Wireless			
Interface	wlan0 - Wireless			
Configuration	Automatic (DHCP)			
IP Address	192.168.1.100			
Subnet Mask	255.255.255.0			
Gateway	192,168.1.1			
Primary DNS	8.8.8			
Secondary DNS 4.2.2.2				
Check Internet Status	Not Connected			
	OK Connect Close			

- Ethernet
- Wireless

**Note:** The wireless option will only be available if you have a wireless network card installed on your computer.

- Ethernet: This option has the following fields:
  - **Interface:** use this field to select the interface device from the drop-down options with which you wish to connect **BitRaser Drive Verifier** to the internet.
  - **Configuration:** Use this field to select Automatic (DHCP) or Manual Internet Protocol (IP) configuration from the drop-down options.
    - 1. Automatic (DHCP) configuration: The Automatic (DHCP) configuration is selected in this field by default. DHCP server dynamically allocates an available IP address to the devices.
    - 2. Manual Configuration: This configuration has the following fields tofill:
      - IP Address Enter the IP address provided by your network administrator. Also, enter the subnet mask in the field below it.
      - **Gateway** Enter the network gateway's IP address.



- Primary DNS Enter the network's primary DNS IP address.
- Secondary DNS Enter the network's secondary DNS IP address.
- Wireless: Wireless option has the following fields:

BitRaser Drive Verifier					
General	BitRaser Server	Network	Ргоху		
	O Ethernet	<b>N</b> Wir	eless		
Interface		wlan0 - Wirele	55	-	
SSID Name				-	
Password				_	
Check Inte	rnet Status	Not Connected			
		ОК	Connee	ct	Close

- Interface: From the Interface drop-down menu, select the interface device you wish to use.
- **SSID Name:** From the SSID Name drop-down menu, select the wireless network that you wish to connect to.
- **Password**: Enter the password of the wireless network if the network is password protected.

*Note:* Password is not required if you are connecting to an open network.

- 3. After you fill all the above details, click **Connect**. Configured DHCP/Network Wi-Fi connection message appears showing you that the settings have been configured.
- 4. Check the internet connectivity by clicking on **Check Internet Status** button.
- 5. If the application is successfully is connected to the internet, the network shows connected. If the connection is unsuccessful, the Network Status shows Delay in response. Check status again.

Note: If the Network shows Delay in response. Check the status again.

• Check if the LAN cable is properly connected to your computer when connecting



using Ethernet.

- Check if the details you entered are correct.
- 6. Click **OK** or **Close** to exit the Settings window.

*Note:* If you wish to connect to internet using proxy see <u>Proxy Settings</u>.


# 2.6.4. PROXY SETTINGS

**BitRaser Drive Verifier** gives an option to connect to a **Proxy server** if required. To connect to a proxy, follow the below steps:

1. Click **Settings** located at the top right corner of the screen. The settings window appears with the following tabs:

BitR	aser Drive Verifier
General BitRaser Server	Network Proxy
General Settings	
Skip sectors	
Section 20 Section 20	Seconds
Sync report on cloud during v	erifier process
Keyboard Settings	
Default Layout	English(United States)-us
	OK Apply Close

- a General settings
- b. BitRaser Server Settings
- c <u>Network Settings</u>
- d. Proxy Settings
- 2. Click Proxy tab.

# stellar

	BitRa	aser Drive Verifier	
General	BitRaser Server	Network	
Proxy Setti	ngs		
🗌 Enab	le Proxy		
Proxy	Host		
Proxy	Port		
Proxy	User		
Proxy	Password		
		Save	
			Close

3. Check the **Enable proxy** check box.

*Note:* If you are connected to the internet, selecting *Enable Proxy* will disconnect the internet.

#### The following details need to be filled:

Sr. No.	Field Name	Description			
1.	Proxy Host	Enter the address of proxy server.			
2.	Proxy Port	Enter the port number that the proxy server uses.			
3.	Proxy User Enter the proxy user name.				
4.	Proxy Password	Enter the authentication password of the proxy user.			

- 4. Click **Save** to use the saved proxy details.
- 5. Use the <u>Network tab</u> to connect to the internet with the saved proxy details.

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# 2.7. WHAT'S NEXT?

**Congratulations!** You have understood the software and its key features.

Now, let's move on to learning the following:

- Verifying different types of drives, like SED.
- Generating reports and customizing them to your preferences.
- Viewing the contents of a drive in Hex View.

As you continue your journey, you might encounter questions. Feel free to refer to the <u>Frequently Asked</u> <u>Questions</u> (FAQ) section to clear any doubts.



# 3. **HOW TO**

- 3.1. Begin Verification Process
- 3.2. Configure Verifier Details
  - 3.2.1. Enter Verifier Details
  - 3.2.2. Enter Asset Tag Details
  - 3.2.3. Enter Custom Fields
- 3.3. Work on Reports
  - 3.3.1. View and Customize Report
  - 3.3.2. Save Report
  - 3.3.3. Export Report
- 3.4. Use the Hex Viewer
- 3.5. Use License Manager



# **3.1. BEGIN VERIFICATION PROCESS**

**BitRaser Drive Verifier** allows you to easily verify your drives after erasure with just a few clicks. Follow the step-by-step guide below to understand the verification process:

## **Steps to Perform Verification**

1. Launch BitRaser Drive Verifier. The Verifier tab is selected by default as shown below:

BitRas								
Verifier	Verifier Details		Report					▲
1 Drive Selected to Verify								
Model No	Serial No	Size	Total Sectors	Туре		Attribute		
G WDC WD1600AAJS-56	WD-WCAV33899463 1	49.05 GB	312581808	SATA	¥		]	
Select All								
			Ve	rify				
00								License left : 0

3. The software lists the drives along with their information like **model number**, **serial number**, **size**, **total sectors**, **type** and **attribute**.

**Note:** All the drives currently present in the system are selected by default. If you don't want to run verification test on all drives, uncheck **Select All** located at bottom-left of the main screen.

**Note:** If you have multiple disks, **BitRaser Drive Verifier** provides an option to locate the disk from the application. Click on *w* in the Attribute column of the disk that you want to locate. Alternatively, click *w* in top right corner of the screen to locate all the disks listed in the application. This illuminates the LED light (commonly known as activity indicator) on the disks to locate them easily.



- 4. Click **Verify** to start the Verification process.
- 5. A dialog box appears on your screen confirming to begin the verification process. Click **Yes** to start the process.



6. A progress bar appears, showing the progress of the verification along with the **percentage of completion**, **time left/elapsed**, **speed** and **bad sectors** found during the process:

BitRas	er									
Verifier	Verifier Details		Report							<b>₽¢</b> <i>i</i> ?
1 Drive Selected to Verify			Report	_						
Model No	Serial No	Size	Total Sectors	Туре	1	Attribute	Progress	IT	%	Time Left / Elapse
MARSHAL MAL2320SA-T54	886RR1EZF	Contraction of the	625142448	SATA	9			×	0%	00:00:00/00:00:0
							*			
			Ve	rify						
00							3	Ţ	Lice	nse left : 720

7. If you wish to cancel the verification process, click **Stop** next to the progress bar.



**Note:** If you have **BitRaser Drive Verifier's** licenses on **BitRaser cloud**, the verification report is automatically sent to **BitRaser** server when the verification process is completed or cancelled.

- If the report is successfully sent to **BitRaser server**, you will see the bottom right corner of the report under **Report** tab.
- If BitRaser Drive Verifier is not connected to internet and the report is not sent to BitRaser server,

you will see for the top right corner of the **Report tab** and for the bottom right corner of the report. In that case, check your LAN cable connection and re-establish internet connection. Once the internet is re-connected, then we can manually send Report to **BitRaser** server. For more information, refer <u>Export Report</u> section.

**Note:** If you have **BitRaser Drive Verifier's** licenses on lock key, you need to save the reports manually on a USB drive after the verification process is completed or cancelled.



# **3.2. CONFIGURE VERIFICATION DETAILS**

Configure the general information about the customer, asset details, and adding custom fields as per the requirements. The information entered in this section will be added to the verification Reports and can be modified later if required. The Verifier Details configuration is divided into three sub-sections:

1. <u>Enter Verifier Details</u>: Verifier Details allows you to enter information like customer details, media details, details of technician performing the verification, and the person validating verification.

2. <u>Enter Asset Details</u>: Asset Details Tab shows the information like adding Machine Asset Tag Name, shows the information about Asset Tag, Model No, Serial No, and Size of the connected storage device(s).

3. <u>Enter Custom Fields</u>: Custom Fields allows you to enter up to 20 sets of customized fields that can be added to the verification Reports.



# 3.2.1. ENTER VERIFIER DETAILS

Configure the general information about the customer, **media handling details**, **technician** detail who will be performing the verification, and the details like validation of the verification process performed.

The information entered in this section will be added to the verification Reports and can be modified later if required.

## Steps to enter the Verification Details

1. Run BitRaser Drive Verifier. The Verifier tab is selected by default.

BitRas	er						
DRIVE VERIF	IER						
Verifier	Verifier Details		Report				
1 Drive Selected to Verify							Ţ
Model No	Serial No	Size	Total Sectors	Туре		Attribute	
WDC WD1600AAJS-56	WD-WCAV33899463	149.05 GB	312581808	SATA	Ŷ		
Select All					_		
			Ve	rify			
<mark>0</mark> 0							📋 License left : 0

2. Select the radio button, Enter Verifier Details.



Verifier	Verifier Details	Report		📣
er Verifier Details	O Enter Asset Details	<ul> <li>Enter Custom Fields</li> </ul>		
Customer Details				
Customer Nan	ne			]
Customer Add	ress			
Media Details				
Media Source				)
Media Destina	tion			
Technician Performing \	/erifier			
Technician Na	me			]
Organization				
Person Validating Verifie	er			
Validator Nam	e			]
Organization				)
Organization	<u></u>			

3. Specify the required details:

- **Customer Details**: Enter the details associated with the customer like Customer Name and Customer Address.
- **MediaDetails**: Enter the details associated with the media/machine like Media Source and Media Destination.
- **Technician Performing Verifier**: Enter the details of the technician who would perform the verification process. It contains fields Technician Name and Organization.
- **Person Validating Verifier**: Enter the details of the person who is validating the verification process. It contains fields Validator Name and Organization.
- 4. Click **Reset** to reset the fields, if required, or click **Save** to save the information.



# 3.2.2. ENTER ASSET TAG DETAILS

As mentioned earlier, the Asset Details Tab shows the information like adding Machine Asset Tag Name, shows the information about **Asset Tag**, **Model No**, **Serial No**, and **Size** of the connected storage device(s).

## Steps to add Asset Tag Details

1. Run BitRaser Drive Verifier. The Verifier tab is selected by default.

Serial No VD-WCAV33899463	Size 149.05 GB	Total Sectors 312581808	Type SATA	Attribute ¥		
VD-WCAV33899463	149.05 GB	312581808	SATA	¥		

## 2. Click Verifier Details tab.



3. Select the radio button Enter Asset Details.



BitRase					
Verifier	Verifier Details	Report			▲  ♀  ♀  ℓ
C Enter Verifier Details	Enter Asset Details	C Enter Custom Fields			
Enter Machine Asset T Enter Disk Asset Tag :	- (		Fill the same asset to	ag for all disks	
Asset Tag		Model No	Serial No	Size	
		Reset	Save		
<mark>ර</mark> ් ර					License left : 0

- 3. Enter the Machine Asset Tag in the provided field.
- 4. Select the checkbox **Fill the same asset tag for all disks** if you wish to apply the same asset tag to all the storage disks.
- 5. The Asset Details Tag shows the information such as Asset Tag, Model No, Serial No, and Size.
- 6. If you want to enter a different asset tag to a disk, click on its particular field.
- 7. Click **Reset** to reset the fields, if required, or click **Save** to save the information.



# 3.2.3. ENTER CUSTOM FIELDS

Add up to 20 sets of customized fields that can be used in creating the verification reports.

## **Steps to add Custom Fields**

1. Run BitRaser Drive Verifier. The Verifier tab is selected by default.

	• "							
BitRas								
a second france.								
Verifier	Verifier Details		Report					📣 의 🍄 i 🔅
1 Drive Selected to Verify	1						1	3
Model No	Serial No	Size	Total Sectors	Туре		Attribute		
WDC WD1600AAJS-56	WD-WCAV33899463	149.05 GB	312581808	SATA	¥			
Select All			Ve	rify				
0 O								⊥ License left : 0

2. Click Verifier Details tab.



Verifier	Verifier Details	Report	4 🛛 🌣
ter Verifier Details	O Enter Asset Details	C Enter Custom Fields	
Customer Details			
Customer Nam	ie (		
Customer Add	ress		
Media Details			
Media Source			
Media Destina	tion		
Technician Performing V	/erifier		
Technician Na	me		
Organization			
Person Validating Verifie	er		
Validator Name	ə (		
Organization			
		Reset Save	

2. Select the radio button Enter Custom Fields.

п



Verifier	Verifier Details	Report		•
Enter Verifier Details	) Enter Asset Details	Enter Custom Fiel	ds	
ustom Fields Set 1		c	custom Fields Set 2	
Enter Custom Field Name	Enter Custom Field V	'alue	Enter Custom Field Name	Enter Custom Field Value
	)()	1	1.	
[	][	] 1	2.	
		] 1	3.	
	] [	] 1	4.	
		1	5.	
	][	1	6.	
		1	7.	
		1	8.	
	1	1	9.	
	1	2	0.	
		2	0.	

3. Specify the Custom Field Name(s) and Custom Field Value(s) respectively.

4. Click **Reset** to reset the fields, if required, or click **Save** to save the information.



# 3.3. WORK ON REPORTS

BitRaser Drive Verifier provides you detailed Information and contains data fields like Report Information, Customer Details, Verification Summary, Hardware Information, Custom Fields, and Verification Results.

The data fields are explained below:

	Ser RIFIER		
Verifier	Verifier Details	Report	
Bit <mark>R</mark> as	er		stellar
	Drive V	erification I	Report
Report Inform	nation		
Report ID: Digital Identifier:	241008043822 b06f4b7232b60fa471df8acd7a6c61fd	Report Date: Software Version:	October 08, 2024 05:48:31 : BitRaser Drive Verifier 1.0.0.0
Customer De	tails		
Customer Name:		Customer Addres	s:
Verification S	Summary		
Total Disks: Disks to Verify: Disks in Process:	1 1 0	Passed Disks: Failed Disks:	1 0
Hardware Inf	ormation		
Manufacturer: Model Name: System Serial: Chassis Serial: Report Setting	LENOVO 3680L32 R97D2AA R97D2AA	Chassis Type: UUID: SKU Number: USB Hub:	Notebook 40ed381f-dec4-df11-bc26-b947f7da89b5 Not Specified 8
00			🖗 🛄 License left : 703

- 1. **Report Information:** Report Information contains details such as Report ID, Report Date, Digital Identifier and Software Version.
- 2. Customer Details: Customer Details contains details such as Customer Name and Address.
- 3. Verification Summary: verification Summary contains number of disks, disks to verify, disks to process, number of successful or failed verification of disks.
- 4. **Hardware Information:** Hardware Information lists out the hardware details of the computer such as manufacturer details, detailed system information, Disk information, Processor details, Network Adapter details, BIOS, Battery and so on.



- 5. **Custom Fields:** Custom Fields contain the customized information that you have defined using Custom Fields option of **BitRaser Drive Verifier**.
- 6. Verification Results: Verification Results contains disk wise details of the verification performed such as disk model, number of sectors processed, asset tag, start and end time of process along with duration and status.

For information about viewing and customizing a report, see View and Customize Report.

For information about saving a report in PDF, CSV or XML format, see Save Report.

For information about sending a report to BitRaser Server or exporting a report to media in RPT format, see <u>Export Report</u> (Applicable only if you have licenses on BitRaser cloud).



# 3.3.1. VIEW AND CUSTOMIZE REPORT

## Steps to view and customize BitRaser Drive Verifier

1. Run BitRaser Drive Verifier and select Report tab, the current report appears as shown below:

	ISER RIFIER		
Verifier	Verifier Details Re	port	🛛 🌣 i 💈
<b>Bit</b> Ras	er		stellar
	Drive Ver	ification R	eport
Report Inform	nation		
Report ID: Digital Identifier:	241008043822 b06f4b7232b60fa471df8acd7a6c61fd	Report Date: Software Version:	October 08, 2024 05:48:31 BitRaser Drive Verifier 1.0.0.0
Customer Def	tails		
Customer Name:		Customer Address:	
Verification S	ummary		
Total Disks: Disks to Verify: Disks in Process:	1 1 0	Passed Disks: Failed Disks:	1 0
Hardware Inf	ormation		
Manufacturer: Model Name: System Serial: Chassis Serial: Report Setting	LENOVO 3680L32 R97D2AA R97D2AA	Chassis Type: UUID: SKU Number: USB Hub:	Notebook 40ed381f-dec4-df11-bc26-b947f7da89b5 Not Specified 8
00			🗿 🛄 License left : 703

2. In case you want to customize the report, select **Report Setting** button located at the bottom left of the screen.



BitRaser Drive Verifier	
Settings	
Enter Report Header Text	
Drive Verification Report	
Image Settings	
Select top right logo (170 x 48 PNG)	
/home/BitRaserConfig/Images/right-logo.png	Browse
Select watermark (250 x 300 PNG)	
/home/BitRaserConfig/Images/BitRaser.png	Browse
Select verifier person signature (170 x 48 PNG)	
/home/BitRaserConfig/Images/erasurer-sign.png	Browse
Select validation person signature (170 x 48 PNG)	
/home/BitRaserConfig/Images/validator-sign.png	Browse

3. In Report Setting dialog box, you can edit the following fields:

Sr. No.	Field Name	Description
1.	Enter Report Header Text	Enter header text that appears on the header of the report (must be maximum of 30 characters)
2.	Select top right logo	Select the check-box and Browse to select the top-right logo of the report (image size and format - 170 x 48 PNG)
3.	Select watermark	Select the check-box and click Browse to select the watermark (image size and format - 250 x 300 PNG)

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4.	Select verifier person signature	Select the check-box and click Browse to select the verifier person signature (image size and format - 170 x 48 PNG)
5.	Select validation person signature	Select the check-box and click Browse to select the validation person signature (image size and format - 170 x 48 PNG)

**Note:** You can reset report settings fields using the **Reset** button located at the bottom-left of the Report Settings dialog box.

**Note:** Top right logo, watermark, verifier person signature and validation person signature image size needs to be the same as specified in Report Settings. Top left logo and footer image and text are set by default. **BitRaser Drive Verifier** will accept images with specified size and format only. In case of size mismatch, **BitRaser Drive Verifier** will continue to use the previously selected images.

4. After making the required changes to Report Setting, click **OK** to save.



# 3.3.2. SAVE REPORT

**BitRaser Drive Verifier** provides user with the option to save report and log information with them. The report can be saved in different formats like **PDF**, **CSV** and **XML**.

*Note:* Insertan external storage device like *PenDrive* to save the report.

### What Information Report Contains

A report saves information about the verification process, hardware components, customer details etc.

### What Information Log Contains

**Log** shows detailed information about all processes, including successful and failed drive verification processes. It provides a comprehensive record that can included drive information, date and time stamps.

In this section, you will receive a walkthrough about the steps to save both the report and log information.

## Steps to save BitRaser Drive Verifier Report

1. Run BitRaser Drive Verifier. Select Report tab.



	Ser		
Verifier	Verifier Details	Report	
<b>Bit</b> Ras	er		stellar
	Drive Ve	rification R	eport
Report Inform	nation		
Report ID: Digital Identifier:	241008043822 b06f4b7232b60fa471df8acd7a6c61fd	Report Date: Software Version:	October 08, 2024 05:48:31 BitRaser Drive Verifier 1.0.0.0
Customer De	tails		
Customer Name:		Customer Address:	
Verification S	Summary		
Total Disks:	1	Passed Disks:	1
Disks to Verify: Disks in Process:	1 0	Failed Disks:	0
Hardware Inf	ormation		
Manufacturer: Model Name: System Serial: Chassis Serial:	LENOVO 3680L32 R97D2AA R97D2AA	Chassis Type: UUID: SKU Number: USB Hub:	Notebook 40ed381f-dec4-df11-bc26-b947f7da89b5 Not Specified 8
Report Setting			Save
00			🖗 🛄 License left : 703

2. Click **Save** at the bottom right of the screen, following dialog box appears:

Save Report	Save Log		
elect Report F	ormat		
PDF		⊖ csv	◯ XML
elect destinatio	n path :		
	<i>48.</i>		Browse

3. From the dialog box, select the format in which you want to save the report that is either **PDF**, **CSV** or **XML** format.

4. Click Browse.



5. Enter the file name for the file in the field provided and select the destination folder where you want the file to be saved.

	BitRaser Drive Verifier
Select path to save	
Enter file name (PDF) :	CN76370C3L
Computer	
Refresh Create Fi	older Cancel Save

*Note:* Use *Refresh* button to refresh the list of media connected to the computer and Create Folder to create a new folder at the destination you selected.

- 6. Click Save to continue.
- 7. Click **OK** and report will be saved.

*Note:* If you have *BitRaser Drive Verifier's* licenses on *BitRaser cloud*, the report is sent to *BitRaser Server* once the verification process is completed. make sure your internet connection is active.

## **Steps to save Log Report**

1. Run BitRaser Drive Verifier. Select Report tab.



BitRa			
Verifier	Verifier Details	Report	@ <b>\$</b> i
Bit <mark>R</mark> as	er		stellar
	Drive V	/erificatio	on Report
Report Inform	nation		
Report ID: Digital Identifier:	241008043822 b06f4b7232b60fa471df8acd7a6c61fd	Report Da Software	
Customer De	tails		
Customer Name:		Customer	er Address:
Verification S	Summary		
Total Disks:	1	Passed D	
Disks to Verify: Disks in Process:	1	Failed Dis	isks: 0
Hardware Inf			
Manufacturer:	LENOVO	Chassis T	
Model Name: System Serial:	3680L32 R97D2AA	UUID: SKU Num	40ed381f-dec4-df11-bc26-b947f7da89b5
Chassis Serial:	R97D2AA R97D2AA	USB Hub:	Hot opechica
Report Setting		USB HUD.	save
00			🕑 🛄 License left : 703

2. Click **Save** located at the bottom right of the screen. A **BitRaser Drive Verifier** dialog box appears as shown below.

	BitF	Raser Dri	ve Verifier		
Save Report	Save Log				
Select path to sa	we log :				Browse
		ок	Cancel	]	

- 3. Click Save Log tab.
- 4. Click Browse. The screen appears as shown below.



5. Enter the file name and select the destination folder in the media device where you want the file to be saved.

	BitRaser Drive	e Verifier	
Select path to save			
Enter file name (PDF) :	CN76370C3L		
Computer			
			7.
Refresh Create Fo	older	Cancel	Save

*Note:* Use *Refresh* button to refresh the list of media connected to the computer and Create Folder to create a new folder at the destination you selected.

- 6. Click Save to continue.
- 7. Click **OK** and the log file will get saved in the storage device.

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# 3.3.3. EXPORT REPORT

## Steps to export BitRaser Drive Verifier report

- 1. Run BitRaser Drive Verifier. Select Report tab.
- 2. Click on Export button located at the bottom right of the screen.
- 3. Select the destination to export the report, the following options are available:
  - Send to cloud server (Applicable only if you have licenses on BitRaser cloud) This option allows you to send the report to BitRaser Server. To send reports, select Send to cloud server button and click Send.

*Note:* Once you initiate the verification process, you can export your report to **BitRaser** *Server* anytime during the verification process.

**Note:** Once the verification process is completed, the verification report is automatically sent to **BitRaser Server**.

The icon on the bottom right corner of the report under Report Tab indicates that the report has been successfully sent to **BitRaser Server**.

- **Export to media** This option allows to export the report to media device in **RPT** format. Follow the steps given below:
  - 1. Select Export to media button.

**Note:** For the **BitRaser Drive Verifier's** edition with licenses on a **lock key (USB)**, if you want to transfer the report to **BitRaser Cloud Console**, select Export to media option.

	BitRaser Drive Verifier
Select desti	nation
Select pat	Send to cloud server  Export to media th to export report :
	Export Cancel

2. Click Browse button to 'Select path to export report'.



	BitRaser Drive	e Venfier	
BitRaser Report Enter file name	1200a0 020		
Comput	tor  ston] USB-7:0:0:0(Part-	23	
/home/BitUSBM	nt/USB-7:0:0:0		
Refresh Cr	reate Folder	Cancel	Save

3. Enter the file name for the **RPT** file in the field provided and select the destination folder where you want the file to be saved.

*Note:* Use *Refresh* button to refresh the list of media connected to the computer and *Create Folder* button to create a new folder at the destination you selected.

- 4. Click Save to continue.
- 5. On the Select destination dialog box, click **Export** to save the report at the selected destination.



# 3.4. USE THE HEX VIEWER

The **Hex Viewer** of **BitRaser Drive Verifier** allows you to view the raw and exact content of the hard drive in hexadecimal format. Thus, helping you to confirm the verification of your hard drive by viewing its contents after completing the verification process.

The Hex Viewer of **BitRaser Drive Verifier** can be used to view the content of a hard drive before and after the verification process.

Note: The viewer will not be available while verification is in progress.

## Steps to use the Hex Viewer

1. Click on the **Hex Viewer** on the top right corner of the screen. **BitRaser Hex Viewer** window appears as shown below:

itRaser Hex \	/iew	er															
elect Drive: HI	DD: (	0; M	ode	el: M	/DC	WD	0160	)( v	E	nter	Sect	tor:					0 /312581808
DD: 0; Model: WDC WD1600AAJS-56M0A0; Serial: WD-WCAV33899463 (Size: 149.05 GB)																	
Offset	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
00000000000	EB	63	90	10	8E	D0	BC	00	B0	<b>B</b> 8	00	00	8E	D8	8E	<b>C0</b>	.c
0000000016	FB	BE	00	7C	BF	00	06	B9	00	02	F3	A4	EA	21	06	00	
0000000032	00	BE	BE	07	38	04	75	0B	83	C6	10	81	FE	FE	07	75	8.uu
0000000048	F3		_	B4	02	<b>B</b> 0	01	BB	00	7C	B2	80		74	01	8B	t
0000000064		02		13		00	7C	00	00	EB	FE	00	00	00	00	00	L
08000000080	00	00	00	00	00	00	00	00	00	00	00	80	01	00	00	00	
0000000096	00	00	00	00	FF	FA	90	90	F6	C2	80	74	05	F6	C2	70	tp
0000000112	74			_			7C	00	00	31	_		D8	8E		BC	ty 1
0000000128	00	20	FB	A0	64	7C	3C	FF	74	02	88	C2	52	BB	17	04	d < .tR
0000000144	F6	07	03 55	74			88	7D	E8	17	01		05		B4	41	t} .A
00000000160 00000000176		AA		CD		5A		72 44	3D 04	81 40	FB 88	55 44	AA	75	37 44	83 02	U.ZRr= .U.u7.
00000000176		01 04	74 10		31 66		89 1E	44 5C		40 66	88 89		FF 08	89 66	44 8B	02 1E	t21D .@ .DD f\ f .\ .f
00000000192		7C	66	89	5C		1E C7	5C 44	06	00	69 70			CD		72	` f.\Dp.Br
00000000224	05	BB		70	EB	76	B4	08		13	73		5A	_	D2	OF	p.vs.Z
00000000240	83	DO	00		93		F9	82	00	66	OF		C6	88	64	FF	
00000000256	40	66	89	44	04	OF	B6	D1	C1		02	88	E8	88	F4	40	@f.D
0000000272	89	44	08	0F	B6	C2	C0	E8	02	66	89	04	66	A1	60	7C	.Dff.`
0000000288	66	09	C0	75	4E	66	A1	5C	7C	66	31	D2	66	F7	34	88	fuNf.\ f1.f.4.
0000000304	D1	31	D2	66	F7	74	04	3B	44	08	7D	37	FE	C1	88	C5	.1 .f .t .;D .}7
0000000320	30	<b>C0</b>	C1	E8	02	08	C1	88	D0	5A	88	C6	BB	00	70	8E	0p
0000000336	C3	31	DB	<b>B</b> 8	01	02	CD	13	72	1E	8C	C3	60	1E	B9	00	.1r`
0000000352	01	8E	DB	31	F6	BF	00	80	8E	C6	FC	F3	A5	1F	61	FF	1a
0000000368	26	5A		BE	8E	7D	EB	03	BE	9D	7D	E8	34	00	BE	A2	&Z }
0000000384		E8	2E	00	CD	_	EB	FE	47	52	55	42	20	00	47	65	} GRUB .Ge
00000000400	6F						64	20	44	69	73		00	52	65	61	om .Hard Disk .Rea
00000000416	64	00	20	45	72	72	6F	72	0D	0A	00		01	00	B4	0E	d . Error
0000000432		10		3C	00	75	F4	C3	96	15	11	B6		00	80	20	<.u
0000000448		00	83		FF	FF	00	08	00	00	00	68		11	00	FE	!h
0000000464	FF	FF	05	FE	FF	FF	FE	77	A5	11	02	20	FC	00	00	00	w
0000000480	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
0000000496	00	00	00	00	00	00	00	00	00	00	00	00	00	00	55	AA	U

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- 2. Select the hard drive from the Select Drive drop-down list.
- 3. The raw content of the hard drive is fetched and displayed in a tabular format. Use the **Previous** and **Next** buttons located at the bottom or use the mouse scroll wheel to browse different pages.
- 4. If you want to view the content of a particular sector, type the sector number in Enter Sector field and press Enter.
- 5. Click to close the window.



# 3.5. WORK WITH THE LICENSE MANAGER

Applicability Note: This topic is applicable only if you have licenses on BitRaser cloud.

The **License Manager** is a tool that allows to view the license information on **BitRaser cloud** and to transfer the licenses from **BitRaser cloud** to **BitRaser Lock Key**.

Note: Make sure your internet connection is active to fetch the license information from BitRaser Cloud.

## Steps to view the license information using the License Manager

- 1. Click License Manager icon on the top right corner of the screen, the license manager window appears. This window has the following tabs:
  - License Information
  - Transfer License

	BitRaser Drive Verifi	er
License Information	Transfer License	
License Information		
Server URL	bitrasercloud.com	
User Name	[	
Password	(	
Available Licenses	0	Get Cloud Licenses
No connection. Open sett	ings to configure connection.	Open Settings
	Close	



- 2. If you are already logged into **BitRaser** Server, the license information is fetched automatically and displayed in the **Available Licenses** field. If you are not logged into **BitRaser Server**, follow the steps given below:
  - a. Server URL Specify the Server URL and your BitRaser Cloud credentials, i.e.,

User Name and Password.

- b. **Available Licenses** Click on Get BitRaser Cloud Licenses button to fetch available licenses details from the BitRaser Cloud.
- 3. Click **Close** to go back to the home screen.

## Steps to transfer Licenses from BitRaser cloud to BitRaser Lock Key

To transfer licenses from BitRaser cloud to BitRaser Lock key using License Manager:

**Note:** Before using the transfer license tool, make sure you are logged into **BitRaser Cloud** and fetched Available Licenses using the steps given above.

- 1. Click **License Manager** on the top right corner of the screen, the license manager window appears. This window has the following tabs:
  - License Information
  - Transfer License
- 2. Click Transfer License tab. Following window appears:

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License Info	mation Transfer L	license					
Get Lock Information	Lock status:	Co	Count used:				
mormation	Customer name:	Co	Count left:				
	to transfer from BitRaser	cloud to BitRaser lock	ises to Lock				
nter licenses license coun	t (1		ises to Lock				
icense coun	t 1		ises to Lock				

- 3. Connect the **BitRaser Lock Key** to the USB port of your computer and click Get Lock Information to fetch the lock information.
- 4. Specify the number of licenses to be transferred from **BitRaser cloud** to **BitRaser lock key**.

Note: The License Count cannot be more than the Available Licenses in BitRaser cloud.

- 5. Click **Transfer licenses to lock**. This deducts the licenses from BitRaser cloud and adds the licenses to BitRaser Lock Key.
- 6. Check the transfer information under the License Count status section.
- 7. Click **Close** to go back to home screen.



# 4. Frequently Asked Questions (FAQ)

## 1. What is BitRaser Drive Verifier and what are its main features?

**BitRaser Drive Verifier** is a drive verification software designed to confirm successful data erasure from drives. It ensures that all traces of data are completely removed, offering users confidence in their data security. With **BitRaser Drive Verifier**, you can verify your drives to confirm that no recoverable information remains.

### Its main features are:

- Supports verification of hard drives like PATA, SATA, SCSI, SAS, etc. SSDs (NVMe, ATA, SAS, etc.), USB drives and SD cards.
- Supports different output format for reports such as PDF, CSV and XML format.
- Supports upto100 hard drives for simultaneous verification.

# 2. What is the difference between having licenses on BitRaser Lock Key and having licenses on BitRaser cloud?

**BitRaser Drive Verifier** needs access to license data for the verification process. This license information is stored either on a USB device called as **BitRaser Lock Key** or on **BitRaser cloud** with **BitRaser Server**. Both options are available for the users at the time of purchase. The major differences are listed as follows:

Sr. No.	Licenses on BitRaser Cloud	Licenses on BitRaser Lock Key
1.	Stores license information on <b>BitRaser server</b> .	Stores license information in a lock key (USB).

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2.	Cloud integration for user management.	User management is not available.
3.	Automatically delivers reports to <b>BitRaser Cloud console</b> .	Reports need to be saved on a <b>USB</b> device.
4.		Needs the lock key to be connected physically and internet connection is not required.

## 3. What is the purpose of Hex Viewer?

The Hex Viewer of **BitRaser Drive Verifier** allows you to view the raw and exact content of the hard drive in hexadecimal format. For more information, see the Hex Viewer section.

## 4. In how many formats, can I save my verification report?

BitRaser Drive Verifier allows you to save the verification report in three formats. You can save your verification report in PDF, CSV or XML format.

## 5. Does BitRaser Drive Verifier support other languages?

**BitRaser Drive Verifier** is currently available in English language only. However, the keyboard layout can be changed to your preferred language from the General Settings.

## 6. Is it possible to customize the verification report?

Yes, you can customize the verification reports of **BitRaser Drive Verifier** as per your requirement. To add details such as customer information, verifier and validator person details, etc. and to add custom fields, refer to Configure Verifier Details. to modify report settings such as logos, watermark and verifier and validator person signature, refer to **Report Settings**.



## 7. Does BitRaser Drive Verifier support data verification of an SED?

Yes, **BitRaser Drive Verifier** supports verification of **SED**. You can also verify multiple SED's at once using the software. Refer to Verification Process of the SED for detailed information.



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