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# HOW TO MAKE YOUR OWN PALADIN LTS (VERSION 9 OR HIGHER) USB with PERSISTENCE

# MODE





# How to Make Your Own PALADIN LTS (Version 9 or Higher) USB with Persistence Mode

#### **IMPORTANT:**

This guide explains how to create a PALADIN LTS Version 9 (or higher) USB with Persistence Mode. Persistence Mode allows you to save settings, updates, and files between reboots — turning your PALADIN USB into a powerful, portable forensic toolkit.

## What You Will Need:

- A USB drive (at least 16GB or larger recommended)
- The PALADIN LTS ISO (Download from <a href="mailto:sumuri.com/product/paladin-lts/">sumuri.com/product/paladin-lts/</a>)
- A Windows PC
- Rufus software (Download free from rufus.ie)

## Why Use Persistence Mode?

Persistence Mode allows you to:

- Save custom settings (e.g., Autopsy configurations, network settings)
- Retain downloaded tools and updates
- Maintain logs, case notes, and reports between reboots
- Save valuable setup time by eliminating the need to reconfigure PALADIN each use

Without Persistence Mode, all changes would be lost after every reboot.



# Step-by-Step Instructions:

	0	Organization Type * What type of organization are you?				
Sec.	~	Law Enforcement				
		Name Your Price ( \$ )				
		Keep PALADIN Going (and Your Inbox Happy) We offer PALADIN at low or no cost because we believe forensic professionals shouldn't have to choose between great tools and lunch. All we ask in return? Let us send you the occasional email. We're not here to spam you into submission. Our emails include real value—like forensic tips, blog articles worth reading, training opportunities, and the occasional product update that might just make your day easier.				
		If it ever gets to be too much (we get it, inboxes are sacred), you can unsubscribe anytime. No drama, no hard feelings, no "are you sure you want to leave us?" guilt- trips. Thanks for helping us keep PALADIN available—and for being part of a community that makes digital forensics just a little more awesome.				

#### **1. Download PALADIN LTS**

- Visit https://sumuri.com/product/paladin-lts/.
- Add PALADIN LTS to your cart and complete the donation process.
- After purchase, download the PALADIN LTS ISO file.

#### 2. Download and Open Rufus

Download				
Latest releases:				
Link	Туре	Platform	Size	Date
rufus-4.7.exe	Standard	Windows x64	1.6 MB	2025.04.09
rufus-4.7p.exe	Portable	Windows x64	1.6 MB	2025.04.09
rufus-4.7_x86.exe	Standard	Windows x86	1.6 MB	2025.04.09
rufus-4.7_arm64.exe	Standard	Windows ARM64	5.3 MB	2025.04.09

- Go to <u>https://rufus.ie/</u> and download the latest version of Rufus.
- Insert your USB drive into your Windows PC.
- Open Rufus.



#### 3. Set Up Your PALADIN USB with Persistence

💉 Rufus 4.6.2208 (Portable)				×		
Drive Properties						
Device						
PRUSAI3MK3S (E:) [16 GB]				~		
Boot selection						
PALADIN_9.iso	~	$\oslash$	SELECT			
Persistent partition size						
		0 (No	persistence)			
Partition scheme	Partition scheme Target system					
GPT ~	UEFI (non C	SM)		~ ?		
<ul> <li>Show advanced drive properties</li> </ul>						
Format Options						
Volume label						
Paladin 9.0.0 E13 amd04 2025.05	a			_		
File system	Cluster size	ister size				
NTFS ~	4096 bytes (Default)					
<ul> <li>Show advanced format options</li> </ul>						
Status						
READY	(					
S) 🛈 😤 🗐	START		CLOSE			
Using image: PALADIN_9.iso						

Inside Rufus:

- Device: Select your USB drive.
- Boot Selection: Choose Disk or ISO image, then click Select and pick your downloaded PALADIN LTS ISO file.
- **Persistent Partition Size:** Choose how much space you want to reserve for saving files and settings (example: 8GB for a 16GB drive).
- Partition Scheme: Set to GPT.
- File System: Set to NTFS (IMPORTANT: PALADIN's root file is larger than 4GB, which FAT32 cannot handle).
- Leave all other settings at default.
- Click **Start** and confirm any prompts.



# 3A. (Optional but Recommended) Format the Persistent Volume as "writable"

	PALADIN TOOLBOX v9.0.0						- • ×
<b>D</b>							
Imager	Device	Model	FileSystem	Label	Size	Mount Path	Bitlock
	/dev/	Samsung SSD 990 PRO 1TB			931.51GB		No
Image Converter	/dev/	Samsung SSD 990 PRO 1TB	vfat		1.05GB		No
Find	/dev/	Samsung SSD 990 PRO 1TB	ext4		930.46GB		No
Unallocated	/dev/	Samsung SSD 990 PRO 1TB			931.51GB		No
	/dev/	Samsung SSD 990 PRO 1TB			897.35GB		No
Disk Manager	/dev/	Samsung SSD 990 PRO 1TB		swap	34.16GB		No
Network Share	/dev/sda	PSSD T7			1863.02GB		No
Dealine and Dealers	/dev/sda1	PSSD T7	ext4	writable	1863.01GB		No
Backup and Rescore	/dev/sdb	Туре-С			119.51GB		No
Logical Imager	/dev/sdb1	Туре-С	exfat	PALADIN	69.48GB		No
	/dev/sdb2	En	mat		рмв		No
	/dev/sdb3				GB		No
		Label writable					
		FS Type EXT4			*		
		Format Cancel					
	4						•
		Refresh Mount-R Mo	ount-RW Uni	Mount	Verify Fo	rmat Wip	e
	Task Logs	System Logs Verify W	ipe				
Sumuri LLC, USA							
PALADIN							

After creating your PALADIN USB with persistence using Rufus, you can optionally format the persistent volume for improved compatibility and performance:

- 1. Boot into PALADIN using the USB you just created.
- 2. Open the PALADIN Toolbox and select Disk Manager.
- 3. Locate the persistent partition you created during Rufus setup.
  - It is usually formatted as **ext4** and may be unnamed or have a generic label.
- 4. Format the persistent partition again as **ext4** (if needed), and **label** it exactly as: **writable** (all lowercase)
- 5. Apply and confirm the changes.



#### Why Label It "writable"?

Labeling the partition as **writable** ensures that Persistence Mode correctly recognizes and mounts the volume as a cache area, allowing you to save settings, logs, updates, downloaded tools, and case files between reboots.

#### Important Tip:

Always double-check that you are formatting the correct partition to avoid losing any important data.

## To Boot PALADIN in Persistence Mode:

- Insert the PALADIN USB into the computer you want to use.
- Enter the computer's Boot Menu (typically by pressing F12, F2, ESC, or DEL at startup – varies by manufacturer).
- Select the USB drive as the boot device.
- When prompted, select **Persistence Mode** to launch PALADIN.

You can now save settings, update tools, create case files — and everything will persist between boots!

## **Tips for Best Performance:**

- Allow up to **3–5 minutes** for the first boot into Persistence Mode (especially if you reserved a large persistence space).
- Always safely eject the USB drive after use to protect your persistent data.
- Regularly back up important case data saved on your USB.



# Contact Us

For more information about PALADIN feel free to reach out to us directly at any time.

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