

Day 9 Summary

Exploring Virtualization, Dual Boot & Live Boot

These techniques are essential for malware analysis, forensic investigations, and safely testing exploits without damaging primary systems.

✓ Virtualization

- Safe VM environment for isolated testing

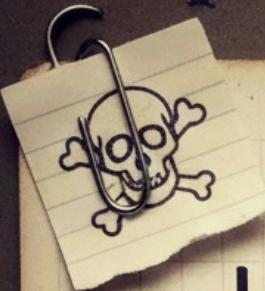
✓ Dual Boot

- Isolated systems for comprehensive analysis

✓ Live Boot

- Portable & non-persistent for on-the-fly testing

These techniques are essential for malware analysis, - forensic, - not damaging primary systems.



WHAT IS DUAL BOOT & LIVE BOOT ENVIRONMENTS?



DUAL BOOT

Installing both operating systems on your hard drive, allowing you to choose which one load at startup via a boot manager.

Dual Boot Setup →

- Isolates systems on machine
- Choose OS at startup
- Choose OS at startup
- Full system access
- Ideal for forensics & deep analysis



LIVE BOOT

Running the OS directly from USB or DVD without installing, great for testing.

Live Boot Setup !

- No installation, no system changes
- 🛡️ Runs from USB ←
- 🛡️ Leaves no trace
- Extremely safe

KALI LINUX - DUAL BOOT & LIVE BOOT SETUPS

Dual Boot - Professional Penetration Testing Environment

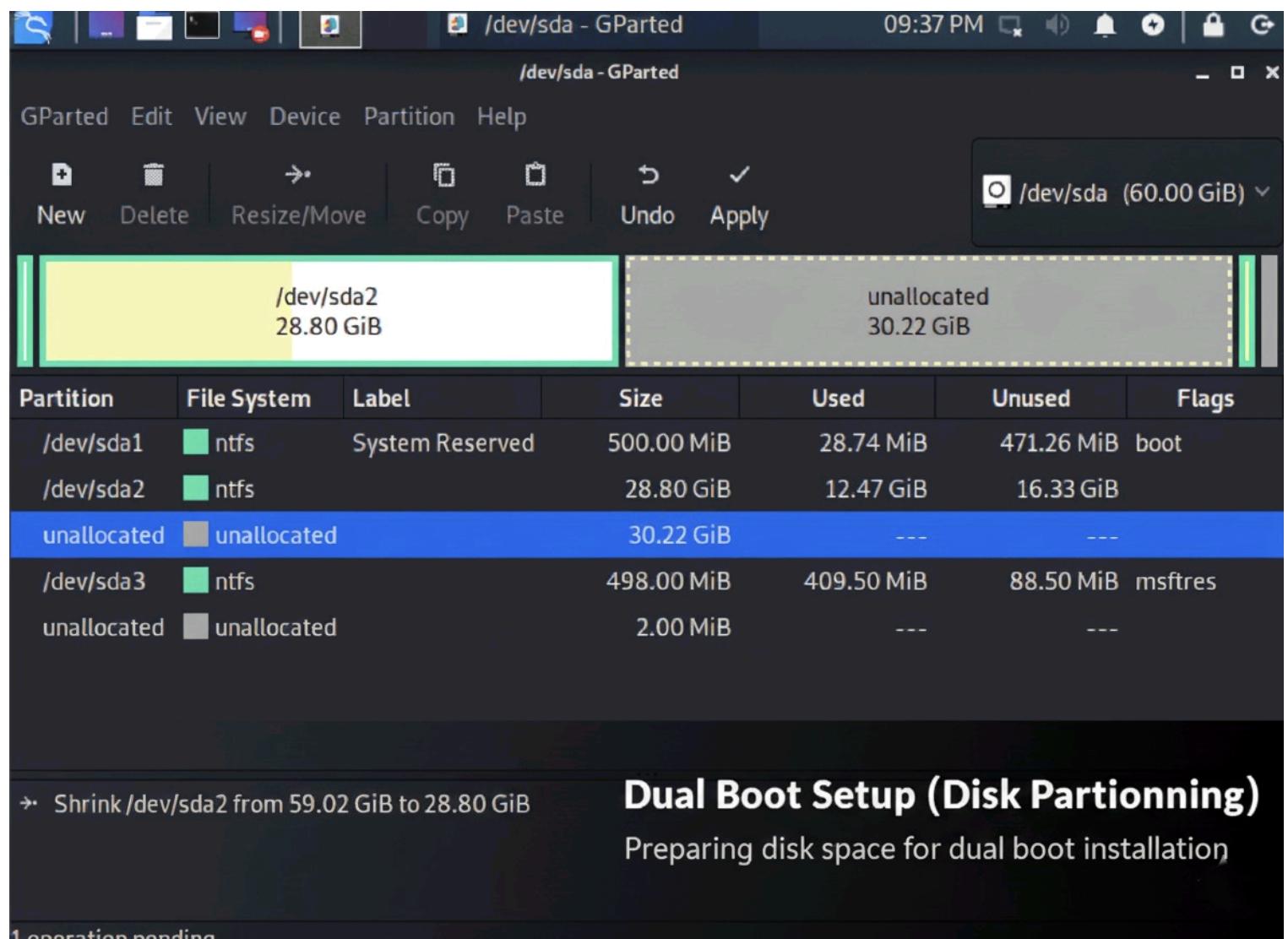
- ✓ Full system access for advanced security testing security operations ~~on~~
- ✓ Separate OS ensures safe, isolated operations
- ✓ Ideal for stable a-loring pentesting labs

Live Boot - Isolated Exploit Testing

- Runs without installation or disk changes
- Safe environment for testing exploits
- Portable and quick to deploy via USB

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Kali Linux Live Boot Setup

Live boot for safe testing
and forensic analysis

Boot menu

Live (amd64)

Live (amd64 failsafe)

Live (forensic mode)

Live USB Persistence

(check kali.org/prst)

Live USB Encrypted Persistence

(check kali.org/prst)

Graphical install

Install

Install with speech synthesis

Advanced options



Parrot OS - Dual Boot & Live Boot Setups

Dual Boot - Lightweight Security Environment

- ✓. Runs efficiently on limited system resources
- 2. Clean separation for secure daily security work
- 3. Suitable & forensics and privacy-focused tasks

Live Boot - Privacy & Forensic Analysis

- 1. Non-persistent and leaves no system traces
- ✓. Ideal of forensic investigations and analysis
- 3. Fast, portable, and privacy-orienited setup

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