

Welcome to Spartan OS (BETA)

Version 1.0.13

Introduction to Spartan OS

Spartan OS is a cutting-edge, security-focused operating system designed for cybersecurity enthusiasts, penetration testers, and digital forensics professionals. Built upon the robust foundation of Kali Linux, Spartan OS aims to provide a streamlined and enhanced user experience for capturing the flag (CTF) challenges, OSINT investigations, and real-world penetration testing scenarios. As a BETA release, Spartan OS welcomes feedback from the community to refine its features and functionality.

Key Features of Spartan OS

1. Basic and Enhanced CTF Labs

Spartan OS includes pre-configured Capture the Flag (CTF) labs that cater to beginners and advanced users alike. These labs are designed to:

- Teach essential cybersecurity concepts.
- Simulate real-world hacking scenarios.
- Challenge users with various difficulty levels.

Each lab is accompanied by clear objectives, and hints are provided for those who need guidance.

2. Comprehensive Toolkit

Leveraging the extensive toolset of Kali Linux, Spartan OS provides:

- **Penetration Testing Tools:** Tools like Metasploit, Nmap, and Burp Suite for network and application testing.
- **Digital Forensics Utilities:** Autopsy and Sleuth Kit for examining digital evidence.
- **Password Cracking Utilities:** Tools such as John the Ripper and Hashcat for testing password strength.
- **Wireless Network Assessment:** Aircrack-ng and Wifite for wireless network penetration testing.
- **Vulnerability Scanning:** Tools like Nessus and OpenVAS to identify system weaknesses.

3. User-Friendly Environment

Spartan OS includes:

- A pre-configured workspace optimized for penetration testing and OSINT.
- Intuitive interfaces for key tools and utilities.
- Custom scripts to automate repetitive tasks and improve productivity.

4. Modular Design

Spartan OS allows users to:

- Add new labs and challenges seamlessly.
 - Install additional tools based on specific requirements.
-

Capture the Flag (CTF) Labs

CTF_Lab01: Multi-Layer Login Challenge

- **Objective:** Capture three hidden flags located within a simulated login system.
- **Skills Covered:** Web application penetration testing, source code analysis, and database exploration.
- **Difficulty:** Beginner to Intermediate.

Future Labs:

- **CTF_Lab02:** Coming soon with advanced challenges focusing on exploit development and privilege escalation.
 - **Community Challenges:** Collaborate with peers to develop and share custom labs.
-

Pre-Installed Tools

Spartan OS inherits the powerful arsenal of Kali Linux, categorised for ease of access:

Information Gathering:

- Nmap
- Nikto
- Recon-ng

Vulnerability Analysis:

- Nessus
- OpenVAS

Exploitation Tools:

- Metasploit Framework
- Exploit-db

Password Attacks:

- Hydra
- Hashcat
- John the Ripper

Wireless Attacks:

- Aircrack-ng
- Reaver

OSINT Tools:

- Maltego
- theHarvester

Post-Exploitation:

- Empire
- Meterpreter

Getting Started with Spartan OS

System Requirements:

- **Processor:** Dual-core 2 GHz or better.
- **RAM:** Minimum 2 GB (4 GB recommended).
- **Storage:** At least 50 GB of free disk space. However, for consistency, you might update it to **80 GB free disk space recommended.**
- **Network:** Internet connection for updates and downloads.

Installation Steps:

1. Download Spartan OS (BETA):

- Visit the official CyberSpartans GitHub repository.
- Download the Spartan OS (BETA) file from the repository.

2. Import the Spartan OS File:

- Open VirtualBox.
- Go to **File > Import Appliance**.
- Select the downloaded file and click **Next**.
- Review the appliance settings and click **Import** to complete the process.

3. Start Spartan OS:

- Once the import is complete, select Spartan OS from the VirtualBox list.
- Click **Start** to launch the VM.

Your VM Credentials are:

Username: spartan

Password: spartan

Tips for Success

- Familiarise yourself with the Linux command line for maximum efficiency.
 - Use the pre-installed documentation and guides for tools and labs.
 - Participate in community discussions and share your insights.
-

Feedback and Support

As a BETA release, we value your input! Report bugs, suggest features, or share your experience by reaching out to us via the official Spartan OS Github or via the community.

Acknowledgments

Spartan OS is built on the foundation of Kali Linux and powered by the collective expertise of the cyber growth community. Special thanks to all contributors and beta testers for their invaluable support.

Welcome to Spartan OS. Gear up, and may the flags be ever in your favor!