CERTIFICATE OF COMPLETION

CENTER FOR CYBER SECURITY STUDIES AND RESEARCH
(Education & Training Unit of Secure Sphere Foundation)

This is to certify that

Lakshay Dhoundiyal

has successfully completed the

Certified Linux File System Professional
examination held on 18 July 2024

Key Learnings:

- **Advanced File System Features:** Understand advanced features of modern file systems such as journaling in ext3/ext4, snapshots in Btrfs, and scalability in XFS, including their use cases and performance implications.

- **Data Integrity and Recovery:** Master techniques for ensuring data integrity, such as using checksums and redundancy features in Btrfs, and learn about data recovery methods and tools for file systems, including handling corrupt file systems and restoring data from backups.

- **Performance Tuning and Benchmarking:** Acquire skills in tuning file system performance, including adjusting parameters like inode allocation, block size, and journal mode, and utilize benchmarking tools to measure and optimize file system performance under different workloads.

- **File System Security:** Gain knowledge of securing file systems, including implementing file permissions, ACLs (Access Control Lists), and encryption mechanisms to protect data at rest.

- **Integration with Storage Technologies**: Learn how to integrate file systems with various storage technologies such as RAID, LVM (Logical Volume Manager), and network file systems (NFS, SMB), to enhance storage management and reliability.

Awarded this on 19 of July, 2024.

Authorized Signatory
CFCS2R

СЕРТИФИКАТ   CERTIFICATE   CERTIFICADO   ZERTIFIKAT   证书