Ossp project

INSTALLATION

This project explains how to install BlackArch Linux, a penetration testing-focused distribution based on Arch Linux. It covers downloading the ISO, creating a bootable USB, and using the built-in installer to set up the system. Key steps include configuring partitions, selecting a desktop environment, and creating a user. The goal is to build a lightweight but powerful system tailored for security research. It's an efficient way to explore advanced tools in a Linux environment.

SYSTEM CALL IMPLEMENTATION

The system call implemented in this project is `getuserid()`, which retrieves the user ID (UID) of the calling process. It's added directly to the Linux kernel source and registered in syscall tables. When called, it returns the UID as an integer, similar to how `getuid()` works internally. This demonstrates how low-level kernel extensions work and provides a foundation for creating custom OS-level features. It's a simple but effective example of working with system calls in Linux.