

Szkolenie: The Linux Foundation LFD103 A Beginners Guide to Linux Kernel Development



Cel szkolenia:

Learn how to become a Linux kernel developer and contributor.

This free course introduces developers to the Linux kernel development process and teaches the explicit and implicit “rules of the road”. It covers configuring a development system, git basics, writing kernel patches, testing patches, writing commit logs, sending patches, and working on feedback from the kernel community.

What you'll learn

- Select and configure your development system
- Overview of Linux Kernel repositories and releases
- Git basics – checking out kernel repositories and working with them
- Build your first kernel and install it
- Linux kernel Contributor Covenant Code of Conduct
- Linux Kernel Enforcement Statement
- Write kernel patches and test them
- How to communicate with the kernel community (do's and don'ts)
- Who and how to send patches (checkpatch.pl and get_maintainers.pl)
- Re-work patches and act on feedback from reviewers.

Plan szkolenia:

- Course Introduction
- Linux Kernel Development Process
- Patches
- Working with the Linux Kernel Community
- Configuring Your Development System
- Exploring Linux Kernel Sources
- Building and Installing Your First Kernel
- Writing Your First Kernel Patch
- Getting Your Patch Ready and Sending It

- Kernel and Driver Building, Loading and Dependencies
- All About Testing
- Tips to Continue Your Kernel Journey

Wymagania:

- Proficient in C and Shell
- Kernel development experience desired (not required)

Poziom trudności



Certyfikaty:

The participants will obtain certificates signed by The Linux Foundation.

Prowadzący:

Certified The Linux Foundation Trainer.

Informacje dodatkowe:

12-16 hours of Course Material.

No Video Content.

12 Months of Access to Online Course.

Discussion Forum.