



YGREKY

New Course

# EMBEDDED SECURITY

Build secure embedded systems step-by-step

First session:



September 23 to 27, 2024

More Information :  
[www.ygreky.com](http://www.ygreky.com)

More Information :  
<https://ygreky.com/2024/07/announcing-the-embedded-security-course/>

# **EMBEDDED SECURITY WHAT YOU ARE GOING TO LEARN**

**Know secure system design**

**Build your own distribution**

**Use and analyze CVEs and SBOMs**

**Harden a Linux system**

**Set up permissions**

**Run services as users**

**Audit your system image**

**Choose packages with security in  
mind**

# **EMBEDDED SECURITY DETAILS**

**Yocto Project (\*) based edition**

**ALL ONLINE**

**CEST time zone (UTC+2)**

*will work for UTC-2 to UTC+6*

**Instructor:**

**Marta**

**RYBCZYNSKA**



(\*) Yocto Project and all related marks and logos are trademarks of The Linux Foundation. This training is not, in any way, endorsed by the Yocto Project or The Linux Foundation.

# **THE LEARNING PLATFORM**

- **All online, you only need SSH access**
- **Your pre-configured remote virtual machine during the whole course**
- **Pre-build environment, start from the first hour**
- **Instructor-led video-conferences with subject introduction 1 or 2 times per day**
- **Instructor-led Questions-and-Answers sections live every day**
- **Practical exercises**
- **Support and discussion channels**

# COURSE OUTLINE

- **Day 1:** build a custom image; configure image features; build your own distribution and set up distribution features; run an internal audit with Lynis
- **Day 2:** perform a CVE scan of your distribution; manage and fix CVE issues; report security issues; update your distribution between LTS releases
- **Day 3:** generate an SBOM and find information inside; configure the compiler hardening options
- **Day 4:** harden the Linux kernel; set up device permissions; configure services running as non-root users
- **Day 5:** choosing packages; debug and production builds; external audit with Kali Linux; the legislation to come



YGREKY

New Course

# EMBEDDED SECURITY



September 23 to 27, 2024 (5 days)

Launch price (only this session!): 899 EUR

Enrollment open **NOW**

[contact@ygreky.com](mailto:contact@ygreky.com)

More Information :  
[www.ygreky.com](http://www.ygreky.com)

More Information :  
<https://ygreky.com/2024/07/announcing-the-embedded-security-course/>