



Technical HOT – May 5, 2021

- Virtual, by live video streams and video conference -

Session 1: Technical HOT (by video stream) - 9:00am – 10:30am CEST

Topics of session 1: Open Source in industry: All about mainline real-time Linux

- History and functionality of Linux and real-time Linux
- Functionalities of PREEMPT_RT
- Linux Foundation RTL Collaborative Project
- Live real-time demonstrator
- Trouble shooting of real-time Linux with the OSADL QA Farm

Session 2: Technical HOT (by video stream) - 11:30am – 12:30pm CEST

Topics of session 2: Open Source in industry: Path analysis vs. latency testing

- Issues leading to system latency
- Determination of the real-time properties of a Linux system

Session 3: Technical HOT (by video stream) - 2:00pm – 3:00pm CEST

Topics of session 3: Open Source in industry: Linux tracing and debugging

- Debug and trace interface of the Linux kernel
- Function tracing
- Event tracing
- Latency tracing
- Trouble shooting of real-time Linux: Latency fighting

Question and discussion round (by video conference) - 3:00pm CEST

V5

Approx. 3:30pm CEST: End of Technical HOT

Speakers: Dr. Carsten Emde, Alex Bähr, OSADL