

Know how: Seminars and Workshops

emlix not only offers its customers comprehensive solutions in the area of system and application development, the emlix team also makes its specialist knowledge available independently of any specific development contract. Especially in the open source field, the acquisition and constant refreshing of know-how requires a considerable effort. For our customers, this is a question of competitiveness as it shortens the time-to-market for them.

Workshops, preliminary studies, concepts

Complex development projects often start with a one or two-day workshop in which the developers and the decision-makers from the customer company and one or more emlix experts discuss various aspects of the project. The aim is generally to make decisions about the software architecture and the technologies to be used, also across multiple devices. Often, there are feasibility questions in the context of hardware decisions to be discussed.

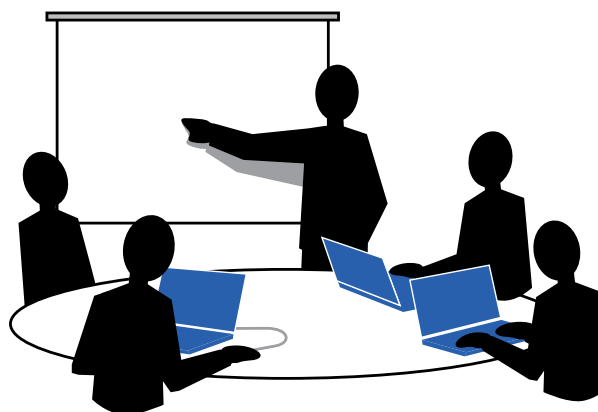
Important theme areas for these customer or project-specific workshops are, for example:

- Security concepts, protection against manipulation
- Remote access and update concepts
- Network integration
- (Distributed) software architecture
- Platform strategies
- Maintenance capability throughout the life cycle
- Certification questions

During complex development projects strategic questions can come up again and again. As the development partner, emlix asks these questions as early as possible and makes its 15 years of experience available. But even without taking part in development, emlix accompanies its customers as an adviser right up to product maturity.

emlix seminars

emlix seminars pass on high-quality know-how that is suitable for immediate use in product development. In



addition to well-founded knowledge of facts and methods the participants can take advantage of our many years of experience in the development of embedded open source systems. This is guaranteed by our trainers, who regularly lead seminars and training sessions but also play a direct role equally regularly in complex customer projects.

emlix Seminars

- Introduction Seminar Embedded Linux
- Embedded Linux vs μ Linux
- Embedded Linux system programming
- Embedded Linux kernel- and driver development
- Embedded Linux application development
- Android system architecture and Porting
- Qt for Embedded Linux
- Embedded Linux Driver development II
- Real-time for Embedded Linux
- Executive Seminar Embedded Open Source

Our training sessions provide detailed knowledge in a compact and understandable form and take place in small groups. Our introduction, developer and professional seminars immediately build the necessary bridges in order to integrate the advantages of embedded open source technology into the realization of the participants' own projects.

Reduce time-to-market

Our open seminars on frequently requested themes have a high level of practical relevance. Alternatively, we offer in-house seminars for which the agenda is agreed in advance and is adapted to relate to particular areas of interest. Such in-house seminars are often the beginning of a development partnership. In addition to the general project-specific know-how transfer, an aim of the seminar can also be to work out the initial approaches for a project. We see it as a great success that after project-specific training sessions our trainers often immediately take on the role of development partner for our customers in order to further define the approaches to solutions worked out together and to put them into practice.

The themes of emlix seminars include, for example:

- Linux kernel and tools
- Interfaces to the user (HMI)
- Application and GUI development
- Linux driver, kernel and module development
- Special demands on embedded systems
- Linux-based tools for embedded development
- Development on the basis of source code management systems
- Security of networked embedded Linux systems
- Time-critical applications (real-time extensions)
- Porting of Android
- Possibilities for communication
- Maintenance and updating
- Cost-effectiveness and efficiency

Are you interested in other themes in the area of embedded software? Please get in touch with us!

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Android Seminars

Recently the demand for our Android know-how in the area of system development and porting continued to grow. If you wish to port Android to a new hardware platform and implement functional extensions you need to have a good knowledge about specific Linux/Android bootloader, kernel and driver development. You also should have an in-depth understanding of the Android framework.

It is necessary to evaluate the system requirements in order to integrate additional hardware and components into an Android system. Furthermore the installation of repositories and of the Android build system are part of every Android project ,below' the level of App development.

Concerning these and other Android matters and questions emlix provides a specific seminar ,Android Systemarchitecture und Porting'. Furthermore the evaluation of project risks or the consideration of alternative strategies for the implementation of certain features are often discussed in customized workshops.