Course Description

Course name	**#302 - Unix Scripting and Shell Programming**
Duration	**2 days**
Format	**Public classroom, Inhouse events and Online**

Overview

Mr. Kjell Enblom, Senior Consultant at MindRoad AB, Sweden is teaching this 2-day course about **Unix Shell Scripting and Programming.**

The course covers shell script-programming, automation of system administration tasks and the scheduling of scripts. Theory and practice is mixed throughout the duration of the course.

The course is intended for developers and system administrators who want to learn Unix shell scripting.
After completing the course you'll have a breadth of understanding for the possibilities of scripting, and the ability to use Unix shell scripting in your day-to-day work.

Technical Focus

The **Unix** terminal is renowned for being powerful and versatile. This is largely due to the ability to easily compose many simple commands into powerful patterns, which can in turn be used in shell scripts to perform ever more complex tasks with ease.

Common tasks include sophisticated file management, program execution and text manipulation.

There are many different dialects of shell script, but the most common one is by far the Bourne Shell, commonly known as bash, which is the shell used in this course.

Course Content

The course covers **shell script-programming**, automation of system administration tasks and the scheduling of scripts.

Theory and practice are mixed throughout the duration of the course.

Combine this course with course **#303 Embedded Development in Yocto** for best learning effect.

Who Should Attend

This course is intended for developers and system administrators who want to learn Unix shell scripting.

Course Daily Schedule

DAY 1

- System administration

- Automation of system administration tasks with crond, atd and systemd

- Verification of execution

- Troubleshooting and testability

- Shell programming

DAY 2

- Introduction to scripting

- Walk through of various shells

- Data types

- Log management

- Data management

- Error handling and troubleshooting

Instructor Biography

Mr. Kjell Enblom is a specialist in developing built-in Linux systems and has more than 20 years' experience in system development in C / C ++ programming in the Linux environment. He also has many years of experience in teaching Linux in general and Linux in embedded systems in particular. He has worked with the development of Digital TV systems at Zenterio and at ESDG.

Mr. Enblom has been a member of the Continuing Education Institute - Europe Faculty since 2017.