



Course Title:	Linux Operating System Advanced
Course Description:	Let's go deeper into the world of OS commands on a linux shell with a little bit IT theory and real case practises.
Course Content:	<ol style="list-style-type: none">1. Extended OS Installations: You're going to be introduced into PXE and Ansible.2. Hypervisor and Virtual Machines: Get to know about virtualization of operating systems, also known as virtual machines (VMs), and the advantage of it.3. Process Management & Virtualization: How you manage linux processes and how you setup, build, run and control virtualized linux processes (docker/docker-compose).4. Disks & Logical Volume Manager: fdisk, GPARTED and LVM are tools, which helping you configure physical disks and logical volumes.5. Service Management: Handling and administration of linux services.6. Protocols & Services: Get experienced with the most useful protocols and services.7. System Security: Build, configure and integrate a system securely.8. Logging and Debugging: Presentation of manuals, how you log, monitor and debug a system based on linux.9. Backup and Recovery: Backup and recovery (with worst case scenarios and disaster recovery procedures).10. Professional Scripting: Shell scripting with BASH.
Requirements:	Basic linux knowledge, a computer/notebook and a good internet connection.
Course Teacher:	Schmucki ICT, Marco Schmucki (ICT Senior System Engineer)
Course Length:	5 days (Mo. - Fr.) / around 35h in total (7h per day)
Course Location:	Online (also in-class at an education or office location possible)
Course Price:	SFr. 2'450.- / per student (min. 5 people)