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# Linux Advanced Performance and Security

Method: Classical hands-on education with practical exercises.

Participants: Everybody who is responsible for Linux System Administration, the implementation and the administration of LINUX on Intel based machines.

Knowledge prerequisites:

- Linux System Administration

Course Flow:

Day 1:  
Performance Tuning Concepts  
Performance Tuning Tools  
Kernel Tuning

Day 2:  
Best Practices (Web, File-sharing, Databases,...)  
Clustering Architectures  
Clustering with LVM and Ultramonkey<sup>λ</sup>

Day 3:  
Linux Security Overview  
Security from all angles (Tripwire, iptables, ssh wizardy, PAM)

Day 4:  
Security from all angles continued (sudo recipes, openssh, gnuPG, nmap,...)  
Snort Intrusion Detection System

Course Materials:

- "Linux Server Performance Tuning" by Sandra K. Johnson, IBM Press
- "Linux Security Cookbook" by Daniel J. Barrett, O'Reilly
- "Intrusion Detection with Snort" by Jack Koziol, Paperback

Course duration: 4 days

Price: 1.799,- EUR