

# BlackBelt- Advanced Troubleshooting the Windows OS



**Kestus:** 32 academic hours

Vana-Lõuna 39/1, Tallinn

[Vaata kõiki toimumiskuupäevi](#)

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Participants get full access to labs and can also view the course as a recording for one month after the course

Sami Laiho offers two courses for troubleshooting of anything that related or runs on the Windows OS. If you're thinking about which course to take first, take the other one. If you are totally familiar with the stuff on the other course you are very welcome to join this one as well. It's just the trainer's professional opinion that the best troubleshooters can be taught by taking these two courses and it's better to take the more Tools-oriented BlackBelt Troubleshooting course first and the join this Content-

oriented Advanced Troubleshooting course next.

Have you ever wondered if Windows Pagefile settings should be changed or how they actually work? Have you ever wondered what the values in Task Manager actually mean – like Paged Pool, Working Set, Free memory, etc? Do you know how a file actually gets cached and finally written to the disk or how threads communicate with each other? Have you ever wondered what Mutexes or Semaphores in Process Explorer really mean? If you don't know the answers, come and join this course as it will provide you with the answers and a lot more!

**Target audience:** This training is meant for all administrators who want to deepen their knowledge about Windows. It is also suitable for people who think they know everything about the Windows OS... It's a very deep dive course and surely in no way suitable for beginners but seasoned administrators. If someone has gone through the BlackBelt OS Troubleshooting course then this course will deepen that knowledge even further. This course applies to all Windows versions from NT 4 to Windows 10, both servers and clients.

**The results of the training** This four-day course teaches you how the operating system actually works under the hood. Windows Internals was previously taught globally by two of the best-known teachers David Solomon and Mark Russinovich. David is now retired from training and Mark is working for Microsoft. This training is based on their Windows Internals book which is considered mandatory knowledge for all top Microsoft professionals including Microsoft's own PFE's (Premier Field Engineer). That book might be a bit too deep for most so this is an easy way to learn the important parts of the book at an effective pace.

This course teaches you what you see with the tools that are used for troubleshooting. If you're not that familiar with the tools we recommend you take the BlackBelt Troubleshooting course first – I can assure you want to take both when you get started.

## **Prerequisites to the course (recommended):**

- Experience with Windows Administration
- Experience with Active Directory
- Experience with networking infrastructure

**Length:** 32 academic hours

**The prerequisite for issuing the certificate is full participation in training.**

## **The training topics:**

### Day 1

- Concepts and Tools
- System Architecture
- System Mechanisms

### Day 2

- (Management Mechanisms)
- Processes, Threads, and Jobs
- Security

### Day 3

- Networking
- I/O System
- Storage Management
- Memory Management

### Day 4

- Cache Manager
- (File Systems)
- Startup and Shutdown
- Crash Dump Analysis

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## LISAINFO

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### **Osalemise tingimused**

Registreerudes e-poe, e-kirja või telefoni teel, saadame Teile arve ja täpsema info osalemise kohta. Üks nädal enne koolitust saadame Teile e-kirjaga meenutuse osalemise infoga.

Koolitusel osalemine on nimeline, kuid saate osalejat tasuta muuta kuni koolitusprogrammi alguseni. Kui Te ei saa mingil põhjusel osaleda, palun andke sellest kindlasti teada e-posti aadressil [info@koolitus.ee](mailto:info@koolitus.ee) või telefonil 618 1727.

Kui teatate koolitusel mitteosalemisest kuni nädal enne algust, pakume mõnd muud samaväärset koolitust samal hooajal või tagastame 100% tasutud koolituse maksumusest. Mitteosalemisest vähemalt 3 tööpäeva varem teatades, tagastame 50%. Muul juhul kuulub arve tasumisele. Raha tagastame etteantud summas juhul, kui pole tehtud koolituse korraldamisega seotud kulusi (ostetud õppematerjale jms.). Koolitusele mitteilmumisel, sellest mitteteatamisel või koolituse poolelijätmisel õppetasu ei tagastata.

IT Koolitus on Eesti Töötukassa koolituskaardi koostööpartner. Tutvuge koolituskaardi infoga [SIIN](#). Täpsema info saamiseks võtke meiega ühendust telefonil 618 1727 või [info@koolitus.ee](mailto:info@koolitus.ee).