

BlackBelt - Securing Windows 10 and Server 2016/2019



Kestus: 32 academic hours

Virtual training

[Vaata kõiki toimumiskuupäevi](#)

Gartner has said that one of the most needed changes in enterprise security is to move to a least privilege approach, whitelisting of applications and overall proactive security. Microsoft said in February 2018 that 85% of all security threats would have been mitigated by moving to proactive security.

In the year 2017, all major antimalware companies reported more than 1.000.000 new malware samples EVERY day! Do you really need more convincing that you need to do it as well than these facts? Well there is more just make you sure ;) Whitelisting is considered as the most recommended security feature for 2018 and up, and it's also a NATO requirement for Windows 10 implementations. Now that Windows 10 is the last Windows ever, shouldn't you take the time to actually do it smartly?

The BEST thing you can do is to learn from the Best Security Expert, and the most educating and entertaining speaker in the world – Sami Laiho. Sami has been consulting companies with 10 computers and enterprises with close to 600.000 endpoints. Many things that you take for granted when it comes to energy or money is actually secured by his knowledge. Don't miss out, this is the cheapest consulting you will ever get while learning!

While the client and the server versions share the same Kernel there certain things that only apply to Windows Servers – this course also includes the needed info on how to protect Windows Server and infrastructure services!

Level: 300

Target audience: This training is meant for all administrators and security professionals who want to make sure their environments are ready for the new security era where traditional security measures like anti-malware are not effective anymore, and who want to make the best out of what Windows 10 and Server 2019 have to offer. Sami also teaches nurses, devs, and CSO's so don't be afraid just join the class even if you are not the traditional ITPro!

Join this four-day workshop by Sami Laiho, one of the world's leading Windows Security experts and get this thing sorted out and make sure you are prepared for the future. During this hands-on training, you will see why proactive security is mandatory and also learn to implement it in practice.

After completing this course, students will be able to:

- Understand how to secure the Windows OS
- Understand how BitLocker works
- Understand how to use Baselines
- Understand how to achieve the Principle of Least Privilege
- Understand how to build Directory Tiering
- Understand how to deploy Allow-Listing
- Understand how Shielded VMs work

Prerequisites to the course (recommended): Basic experience with Windows Administration, Basic understanding of Active Directory, Basic understanding of networking infrastructure.

Length: 32 academic hours

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

The training topics:

Day 1

- Introduction to the current and future state of IT security
- The showcase of how Windows really gets hacked!
- Implementing hard disk encryption – Building a BulletProof BitLocker!
- Implementing shielded VMs and Virtual TPMs
- Cornerstones of Windows Security – How the Security Subsystem really Works
- Using Baselines to protect clients and servers (and how to fix Microsoft's broken default ones)

Day 2

- Implementing the principle of least privilege – getting rid of admin rights!
- Correct use of different levels of admin accounts in an enterprise
- Why and How to use UAC effectively
- Using containers and Windows Defender Application Guard to increase security

- Server 2016/2019 Bastion/Red/ESAE forests and how to secure Active Directory
- Protecting infrastructure services like DHCP, DNS and AD DCs

Day 3

- Mitigating Pass-The-Hash attacks and whatever Mimikatz can do to you
- Implementing Credential Guard and other Secure Kernel Technologies
- Getting rid of the lateral movement of admin accounts – Implementing a three-tier infrastructure
- Correct decisions when choosing secure hardware in the future
- Moving to Biometrics and Two-Factor Authentication

Day 4

- Implementing the PAW – Privileged Access Workstation
- Securely managing Servers
- Protections RDP-connections
- Implementing Whitelisting in Windows
- AppLocker and Device Guard in Windows 10
- Implementing REALISTIC Security in REAL life – comparing Office desktops to workstations that can launch missiles

The training price also includes:

teaching materials;
a trainer's consultation on the topics learned by e-mail after the training;
certificate.

As an added value, we offer:

free parking;
hot drinks with cookies;
fresh fruits;
lunch on each training day.

You can participate in the training with the Unemployment Insurance Fund training card.

See you at the training!

Course feedback:

"Väga informatiivne ja sisukas koolitus. Koolitusel sisu oli turvalisus, turvalisus, turvalisus. Väga hea koolitaja, head näited."

LISAINFO

Osalemise tingimused

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

Koolitusel osalemine on nimeline, kuid saate osalejat tasuta muuta kuni koolituse alguseni.

Koolituse eest tasumine toimub arvel viidatud arveldusarvele. Arve saadetakse maksja aadressile e-postiga. Arve tuleb tasuda enne koolituse algust arvel märgitud maksetähtajaks.

Kui Te ei saa mingil põhjusel osaleda, palun andke sellest kindlasti teada e-posti aadressil info@koolitus.ee või telefonil 618 1727. Kui teatate koolitusel mitteosalemisest kuni 10 tööpäeva enne algust, pakume mõnd muud samaväärset koolitust või tagastame 100% tasutud koolituse maksumusest. Mitteosalemisest vähemalt 5 tööpäeva varem teatades, tagastame 50%. Muul juhul kuulub arve tasumisele. Raha tagastame ette antud summas juhul, kui pole tehtud koolituse korraldamisega seotud kulutusi (ostetud õppematerjale jms). Koolitusele mitteilmumisel, sellest mitteteatamisel või koolituse pooleljätmisel õppetasu ei tagastata.

IT Koolitusel on õigus koolitusgrupi mitte täitumisel koolituse toimumine edasi lükata või koolitus ära jätta. Koolitusele registreerunudid teavitatakse kursuse edasi lükkumisest või ära jätmisest telefoni või e-posti teel. Koolituse ära jäämisel korraldajatest tulenevatel põhjustel makstakse õppetasu tagasi. .

IT Koolitus on Eesti Töötukassa koolituskaardi koostööpartner. Tutvuge koolituskaardi infoga [SIIN](#).

Täpsema info saamiseks võtke meiega ühendust telefonil 618 1727 või info@koolitus.ee.