

Windows certificates for engineers

A 3 day **Hands on** training course



Description

A hands-on training course concentrating solely on PKI using Windows certificates.



Key outcomes

By the end of the course delegates will be able to:

- ✓ Explain how PKI works.
- ✓ Install windows certificates.
- ✓ Configure windows certificates.
- ✓ Troubleshoot windows certificates.



Training Approach

This structured course uses Instructor Led Training to provide the best possible learning experience. Small class sizes ensure students benefit from our engaging and interactive style of teaching with delegates encouraged to ask questions throughout the course. Quizzes follow each major section allowing checking of learning. Hands on sessions are used throughout to allow delegates to consolidate their new skills.



Details

Who will benefit?

Technical security staff.

Prerequisites

windows server 2016

Duration: 3 days

Customer rating



Generic Training



Generic training compliments product specific courses covering the complete picture of all relevant devices including the protocols "on the wire".

"Friendly environment with expert teaching that teaches the why before the how."
G.C. Fasthosts

Small Class Sizes



We limit our maximum class size to 8 delegates; often we have less than this. This ensures optimal interactivity between delegates and instructor.

"Excellent course. The small class size was a great benefit..."
M.B. IBM

Hands On Training



The majority of our courses use hands on sessions to reinforce the theory.

"Not many courses have practice added to it. Normally just the theoretical stuff is covered."
J.W. Vodafone

Our Courseware



We write our own courses; courseware does not just consist of slides and our slides are diagrams not bullet point text.

"Comprehensive materials that made the course easy to follow and will be used as a reference point."
V.B. Rockwell Collins

Customise Your Course



Please contact us if you would like a course to be customised to meet your specific requirements. Have the course your way.

"I was very impressed by the combination of practical and theory. Very informative. Friendly approachable environment, lots of hands on."
S.R. Qinetiq

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Course Content

- PKI**
Symmetric encryption, asymmetric encryption, authentication, digital signing, hashing, certificates, Certification Authorities, Root CA, Intermediate CA, policy CA, Issuing CA, Certificate Revocation Lists. Hands on: Inspecting a certificate.
- Policies and PKI**
Security policy, certification policy.
- CA hierarchy**
Impact of CAs on Active Directory, CA architecture, number of tiers, issuing CA organisation, CA configuration files. CA security. Hands on: CA installation PKI health tool, monitoring.
- Certificate revocation**
When to revoke, OCSP. Hands on: Revoking certificates.
- Certificate validation**
Discovery, validation, checks, revocation checking, certificate chains, certification publication. Hands on: Event viewer.
- Certificate templates**
Version 1, version 1, default, modifying templates. Hands on: Template management.
- Roles**
Criteria roles, CA administrator, Certificate manager, Backup operator, Auditor. Other PKI management roles.
- Disaster recovery**
Backups, recovery. Hands on: certutil.
- Issuing certificates**
The certificate enrolment process, enrolment methods, manual enrolment, automatic enrolment.
- Trust between organisations**
Creating Trust, CTLs, common root CA, cross certification, bridge CA.
- Web servers and certificates**
SSL encryption, certificate authentication. Hands on: Web servers.
- VPN**
Hands on: Certificate deployment for VPN.
- WiFi**
Hands on: 802.1X

What our customers say

"Absolutely brilliant, very knowledgeable and helpful trainer would recommend to teach anyone. Kept me interested 100% of the time which is very impressive as this does not happen often, if at all!"

O. B. Network Rail

"The best technical course I've been on!"

L. W. Fujitsu Telecoms Europe

"Very well thought out and structured course. Would recommend 100%. Lots of equipment, good quality."

A.R. Unipart

"Course content is interesting. Relevant to current systems and presented well."

S.S-T. Arqiva

