

WiFi demystified

A 1 day training course



Description

A concise overview aimed at less technical staff requiring an overview of WiFi networks. The course covers the technologies at a high level allowing delegates to discuss WiFi networks with others recognising the buzzwords used. The course will also allow the delegates to recognise the issues involved in planning and installing WiFi networks as well as securing them.



Key outcomes

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

- ✓ Recognise the different WiFi technologies available.
- ✓ Describe the architecture of WiFi networks including the role of Access Points.
- ✓ Recognise the distance limitations of WiFi networks.
- ✓ Describe the buzzwords used in WiFi.
- ✓ Recognise the security issues of WiFi networks.



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.



Details

Who will benefit?

Anyone working with WiFi networks.

Prerequisites

None.

Duration: 1 day

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

Introduction

When to use wireless,
When to use wired.
WiFi technologies:
802.11,
802.11a,
802.11b,
802.11g,
802.11n.
WiFi speeds and distances.
Comparison to other wireless technologies,
802.15 (Bluetooth), 802.16 (WiMax).

Security

How safe are WiFi networks?
Encryption,
Authentication,
WEP
WPA
WPA2.
802.1x,
EAP,
RADIUS.

Simple WiFi networks

Network cards,
Antennae,
Access Points,
WiFi routers.

Enterprise WiFi networks

SSIDs,
Multiple WiFi networks,
Repeaters,
Wireless bridges,
Controller based access points,
Wireless switches,
Power Over Ethernet.

RF site surveys

Steps and techniques,
tools,
analysing the feasibility of WiFi,
range,
performance,
roaming.

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

