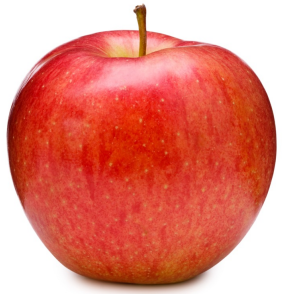
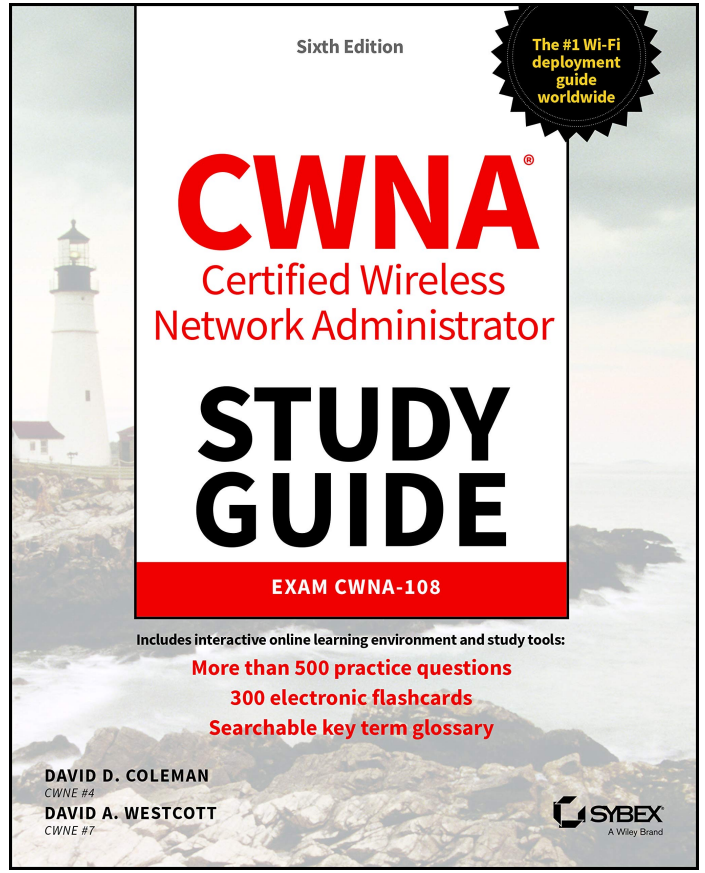
Hi

FedEx




Sixth Edition
The #1 Wi-Fi deployment guide worldwide
CWNA®
Certified Wireless Network Administrator
STUDY GUIDE
EXAM CWNA-108
Includes interactive online learning environment and study tools:
More than 500 practice questions
300 electronic flashcards
Searchable key term glossary
DAVID D. COLEMAN
CWNE #4
DAVID A. WESTCOTT
CWNE #7
SYBEX
A Wiley Brand

VALUE

ekahau

WIRELESS DESIGN

cisco Meraki

imatik

Contextual, value-based reporting

Ekahau & Meraki Integration

Innovating revenue with Ekahau Insights

Liam Francis, Imatik

Co-Founder & Technical Lead

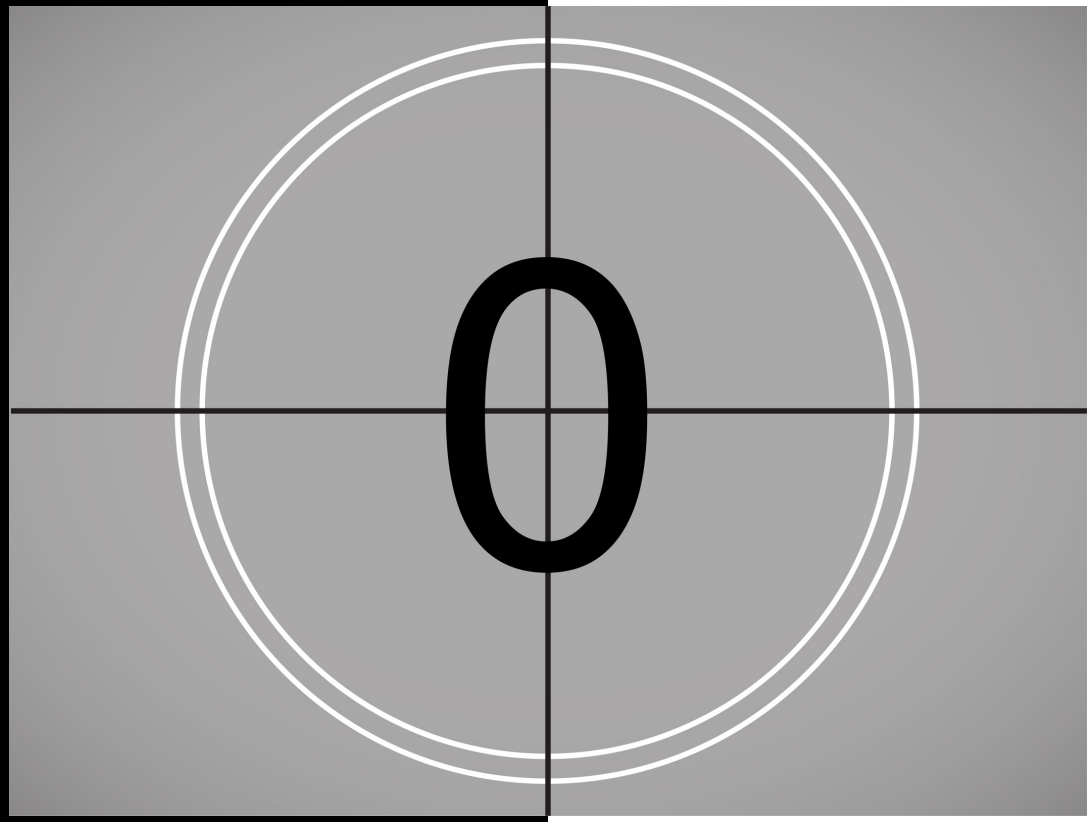
Founded in 2019

Meraki Specialist Partner

Wi-Fi Obsessed

£4m

Annual Sales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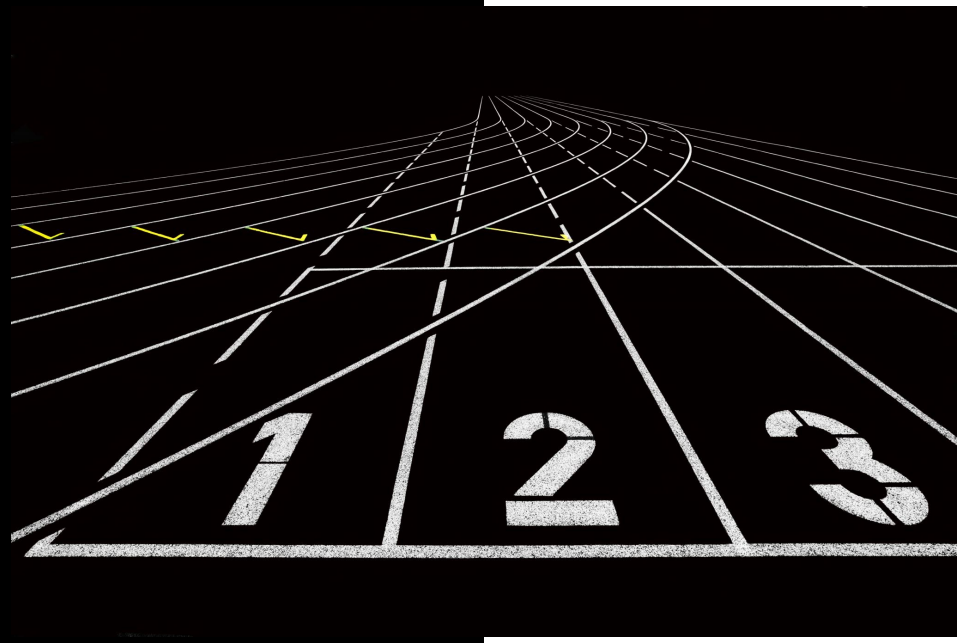

1
2
3

Google

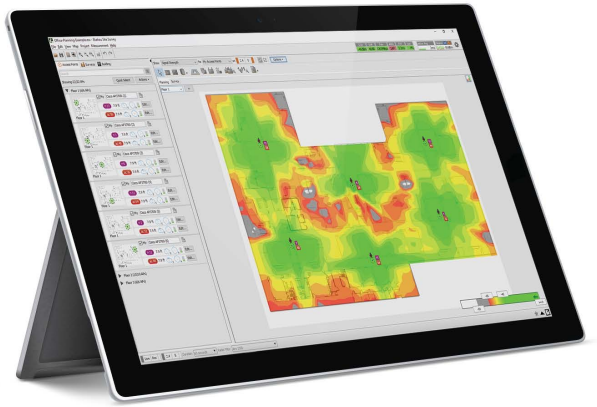
YouTube

Spectrum Analyzer
EAP-TLS 802.11ac
Half-Duplex RSSI
Passive Survey DFS
Roaming Mpbs
Bitrate MHz OFDM
Transmit Power
GHz MAC Random
Protocol Analysis

Utilization 802.11n
Layer 1 Duty Cycle
Active Survey MSC
802.11r 80MHz RF
WiFi ACK AP EAP-PEAP
Noise Bandwidth
EIRP MIMO dBm
802.11ax RADIUS
SNR Throughput

IN-HOUSE
OUTSOURCING

Sample Report on Wireless Network Design by Ekahau

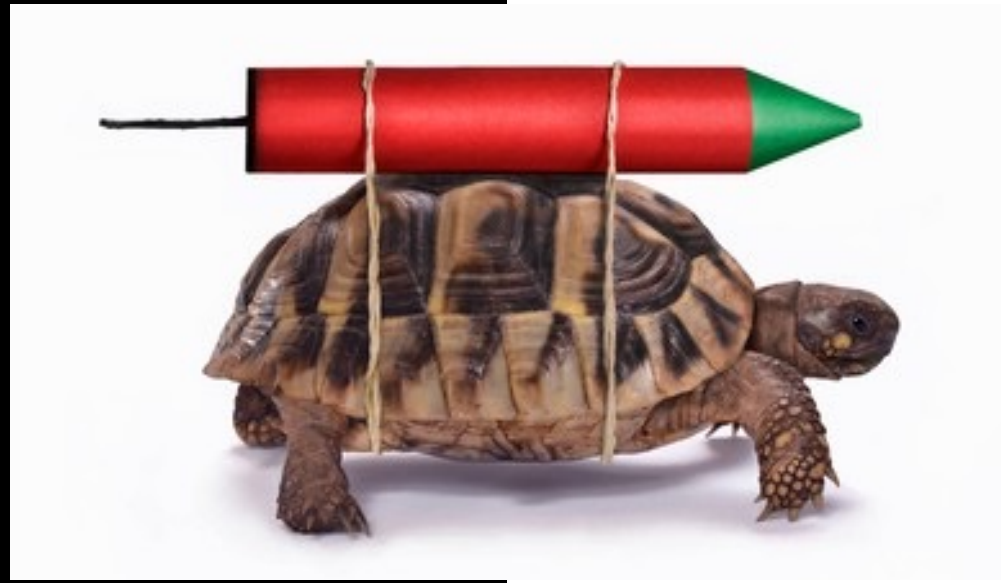


1

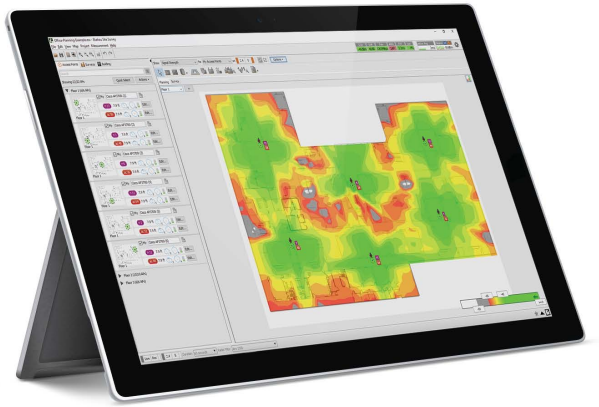
ecse
ADVANCED

ecse
DESIGN

ecse
TROUBLESHOOTING



Sample Report on Wireless Network Design by Ekahau



CONTENT

CONTEXT

Design Deliverables

Technical Stakeholder	✅ Design report + beautiful custom template ✅ Editable word file ✅ Raw Ekahau file ✅ Pre-design validation survey ✅ No Good RF report ✅ Meraki configuration guide
Building Management / Install Team	✅ Install report (mount types, tags and notes)
Commercial Stakeholder	✅ Ekahau Insights link
All	✅ 1 hour review call

12
1
2
3
4
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6
7
8
9
10
11

MERAKI

VALUE

ekahau
WIRELESS DESIGN

cisco
Meraki

20
%

Floorplans

1 – 2 Minutes Per AP

The Fastest Path to Awesome Wi-Fi:

ekahau WIRELESS DESIGN + cisco Meraki

VALIDATION

DESIGN

INSIGHTS

VALUE

ekahau
WIRELESS DESIGN

Filter & Search Projects and Tags

Liam Francis
IMATIK

Scranton Branch Validation Survey - WiFi Design Day 23 / Dashboard /
Scranton Branch

100

Rating Criteria Primary Coverage

2.4 GHz | 5 GHz | 6 GHz | All

Aug 13, 2021 - Feb 18, 2023

Location Tags Sharing Export

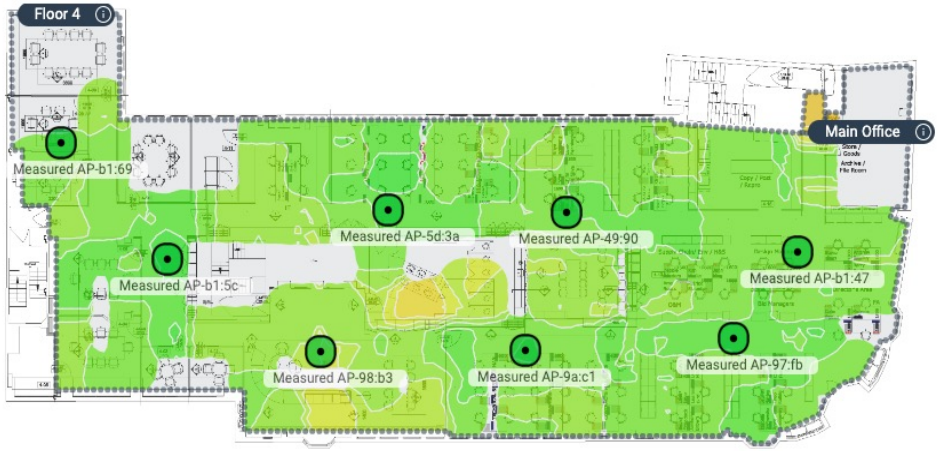
Dashboard

Scranton Branch

Heatmaps

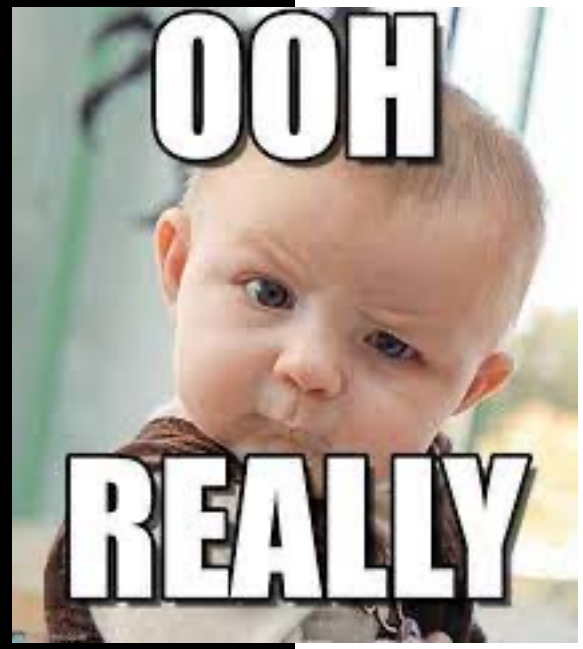
Primary Coverage

All My Networks



≤ -90 dBm -67 ≥ -30 dBm
Ekahau Best Practices: Main Office, Floor

Name	Vendor	Generation	Radios	Channels
Measured AP-49:90	Cisco Meraki	6	2	6, 44
Measured AP-5d:3a	Cisco Meraki	6	2	1, 157
Measured AP-97:fb	Cisco Meraki	6	2	11, 149
Measured AP-98:b3	Cisco Meraki	6	2	6, 40


OOH
REALLY

Wi-Fi Expert as a Service

Day 1 Support

General Value-Add

Support Contract

Wi-Fi Fact of the Month

CONTEXTUAL

SIMPLE

VALUE