



CERTNEXUS TRAINING

Certified IoT Security Practitioner™ (CIoTSP)

Secure IoT hardware, firmware encryption, edge gateways, and IoT network communication against cyber attacks.

DURATION

24 Hours (3 Days)

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

Certified IoT Security Practitioner® (CIoTSP-110) equips cybersecurity professionals with skills to audit and secure the end-to-end IoT ecosystem—from physical device hardening to cloud telemetry encryption.

Duration	24 Hours (3 Days)
Level	Intermediate
Vendor	CertNexus
Exam Code	ITS-110

WHO IS THIS FOR?

- IoT Security Engineers & Penetration Testers

PREREQUISITES

- Completion of CIoTP or equivalent cybersecurity experience

COURSE CURRICULUM

01 Module 1: Hardware & Firmware Security Hardening

- Hardware attack surfaces
- Firmware extraction
- Hands-on Lab: Firmware Vulnerability Auditing

02 Module 2: Network & Cloud Gateway Security

- Encrypting MQTT with TLS
- Device PKI
- Hands-on Lab: Hardening IoT Communication Protocols

03 Module 3: IoT Threat Defense & Capstone

- Mitigating IoT botnets
- Hands-on Capstone Lab: Securing a Connected IoT Gateway

FREQUENTLY ASKED QUESTIONS

Q: What is the total duration of the Certified IoT Security Practitioner™ (CIoTSP) course?

The course duration is 24 Hours (3 Days) (24 hours of instructor-led lecture and hands-on laboratory exercises).

Q: Does this course help prepare for an official CertNexus certification?

Yes, Certified IoT Security Practitioner™ (CIoTSP) aligns directly with the official CertNexus certification exam (ITS-110) and includes official courseware and lab access.

Q: Is training delivered by authorized CertNexus instructors?

Yes, at Computer Pride all CertNexus courses are delivered by certified instructors with extensive industry experience.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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