Certified Internet of Things Security Practitioner (CIoTSP™): Exam ITS-110

This document includes instructor led class overview and objectives, identifies target student and prerequisites, course outline, and course specific software and hardware requirements.

Course Length:

3 Days

Overview:

This course is designed for practitioners who are seeking to demonstrate a vendor-neutral, cross-industry skill set that will enable them to design, implement, operate, and/or manage a secure IoT ecosystem.

Target Student:

This course is designed for IoT practitioners who are looking to improve their skills and knowledge of IoT security and privacy. This course is also designed for students who are seeking the CertNexus Certified Internet of Things Security Practitioner (CIoTSP) certification and who want to prepare for Exam ITS-110.

Prerequisites:

To ensure your success in this course you should have a fundamental understanding of IoT ecosystems, which you can obtain by taking the following CertNexus course:
Certified Internet of Things (IoT) Practitioner (Exam ITP-110)

Course Content

Lesson 1: Managing IoT Risks
- Topic A: Map the IoT Attack Surface
- Topic B: Build in Security by Design

Lesson 2: Securing Web and Cloud Interfaces
- Topic A: Identify Threats to IoT Web and Cloud Interfaces
- Topic B: Prevent Injection Flaws
- Topic C: Prevent Session Management Flaws
- Topic D: Prevent Cross-Site Scripting Flaws
- Topic E: Prevent Cross-Site Request Forgery Flaws
- Topic F: Prevent Unvalidated Redirects and Forwards

Lesson 3: Securing Data
- Topic A: Use Cryptography Appropriately
- Topic B: Protect Data in Motion