Mindluster Platform

About the course SSL TLS and HTTPS

HTTPS is just the HTTP protocol but with data encryption using SSL/TLS. SSL is the original and now deprecated protocol created at Netscape in the mid 90s. TLS is the new protocol for secured encryption on the web maintained by IETF.

Programming Category's Courses

Course Lesson(20)

Lesson 1 : **01 SSL TLS and HTTPS Introduction**

Lesson 2 : **02 Introduction to the SSL and TLS**

Lesson 3 : **03 History and versions of the SSL and TLS**

Lesson 4 : **04 Why RSA is not used for data encryption in HTTPS**

Lesson 5 : **05 How TLS session is established**

Lesson 6 : **Analyzing TLS session setup using Wireshark**

Lesson 7 : **07 Overview of the cipher suites in Wireshark**

Lesson 8 : **08 Encryption key generation by the web browser**

Lesson 9 : **09 Delivering encryption key using Diffie Hellman key exchange**

Lesson 10 : **10 Diffie Hellman Key Exchange overview**

Lesson 11 : **11 Modulus operation mod**

Lesson 12 : **12 Diffie Hellman algorithm in details**

Lesson 13 : **13 Elliptic Curve Cryptography Overview**

Lesson 14 : **14 Point Addition on Elliptic Curve**

Lesson 15 : **15 Elliptic Curve Multiple Point Addition**

Lesson 16 : **16 Elliptic Curve Point Doubling and Optimization**

Lesson 17 : **17 Elliptic Curve Discrete Log Problem**

Lesson 18 : **18 Diffie Hellman vs Elliptic Curve Cryptography**

Lesson 19 : **19 ECDHE Elliptic Curve Diffie Hellman Exchange**

Lesson 20 : **20 Exploring ECDHE with ECDSA**

Related courses

React Projects Workshops

Node js back end JavaScript

Python programming language

Social Network Theme UI With Sass

Full Stack React Django

Build a Node js App With Sequelize



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