

E-commerce security and encryption:

Seminar outline

➤ **Overview:**

As the internet experiences progress and innovation, small and big companies alike are moving their goods and services online as a channel to increase revenues. One of the best ways to increase visitor conversions, and potentially sales, is to offer a safe and secure environment for customers to enter in payment information for their purchases Online. If your customers feel safe buying from you there's a better chance they will buy more and more often.

As business turn electronic, digital credentials has come a requirement and information security an inevitable necessity to guard the online businesses. E-commerce relies on encryption to secure data transmission by controlling data access and protect information on the internet and ultimately boost consumer confidence. Encryption is the encoding of data using an algorithm such that is incomprehensible to anyone in the event that the data transmission is intercepted, unless the key is known to enable file decryption. By implementing encryption, integrity is maintained while digital authentication is enforced, thus allowing both customers and merchants to verify the identity of the other party, a concept fundamental to secure online credit card transactions.

➤ **Objectives:**

By the end of this program, participants will acquire a good understanding of:

- The definition of E-commerce.
- The importance of E-commerce.
- The benefits of E-commerce.
- Finding the actors of E-commerce.
- What is the scope of E-commerce?
- What does the security of E-commerce involves?
- Categories of security technologies.
- Understanding the encryption process and its types.

➤ **Structure:**

This seminar will be developed in 12 hours extended over 2 days.

➤ **Who should attend:**

The seminar is recommended for:

- Executives
- Managers at all levels

- Project managers, team leaders
- Supervisors
- Everyone interested in enhancing his e-business capabilities.

➤ **Structure:**

This two-day seminar includes presentation, supporting documents, and interaction with highly experienced and qualified people from the field.

➤ **Program outline:**

• **Introduction:**

What is E-commerce?

• **Actors of E-commerce:**

- Product.
- Player.
- Process

• **Scope of E-commerce:**

- Infrastructure
- Pillars
- Applications

• **Security of E-commerce involves:**

- Security control
- Security system

• **Security controls:**

- Confidentiality
- Access control
- Integrity
- Availability
- Non repudiation

• **Security technologies:**

- Platform security.
- Network security.
- Encryption and certificate authority.