

Surprise Test

Test

What do you mean by e-commerce Security?
What are its essential requirements?

⇒ E-commerce Security is the protection of e-commerce from the unauthorized access, use, data alteration or any kind of destruction.

Some essential requirements of e-commerce security are:

1. Privacy/Confidentiality.
2. Integrity
3. Availability
4. Authentication
5. Authorization
6. Non-repudiation.

1. Privacy/Confidentiality.

This ensures the information should not be provided or available to unauthorized access. While trading in e-commerce, people are disclosing their personal information and they are reaching to the hand of third parties.

2. Integrity

During the transmission of the data, they shouldn't be altered. Integrity deals with the data protection against unauthorized data alteration.

3. Availability

When a business goes through online, it should be available whenever and wherever required within a time limit specified. It should also ensure the the presentation against data delay or removal.

4. Authentication.
When it comes to e-commerce security, it is the process of recognizing user's identity. In short, it handles "who are you?"

5. Authorization.
It ensures what are the people allowed to do. For example: A business owner can define the roles of users or what feature they can access.

6. Non-repudiation.

Security issues can be a barrier to more successfully online businesses because the internet can make critical information vulnerable.

Q.1. What is e-commerce? Explain about its advantages and disadvantages.
- E-commerce is an online platform for buying and selling goods and services.

Advantages of e-commerce.

- It is fastest and easiest way to buy goods.
- Since it's online, it is available for all the time that means 24 hours a day, 7 days a week and 365 days in year.
- Advertising and marketing is affordable.

Disadvantages of e-commerce.

- Insecured e-commerce platform can cause serious problems.
- User's data might be lost.

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It'll be difficult to provide services in rural area.

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Explain about e-commerce threat and issues. Provide example where possible.

→ Every platform cannot be fully secured and protective. There are also some common threat and issues in e-commerce. They are as following:

1) Bots.

This is the types of attack when some attackers try to scrape our website to get services info and things. They can be duplicate sellers to steal the products information.

2) Sniffing.

It is the process of monitoring and finding the numbers of data and attributes of services within a given network.

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This should capture unencrypted information or data, passwords etc.

3. DOS attacks.

1) DOS means Denial of service which is automated attempt to overload a targeted network with heavy request volume to ~~make~~ make it unavailable for use.