

E-COMMERCE

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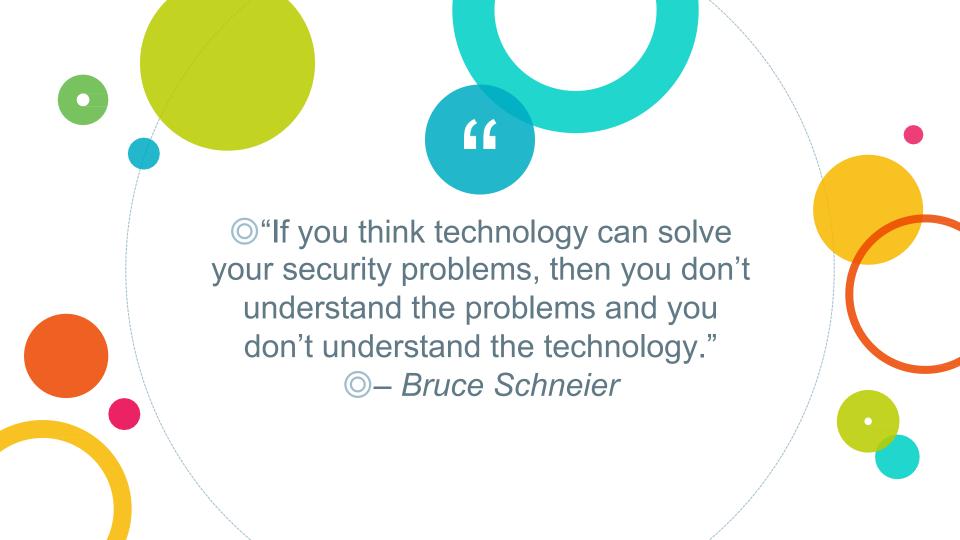






TABLE OF CONTENTS

- E-commerce security and its dimensions
- E-commerce Threat Concerns
- E-commerce Threats
- Ways to Protect your Ecommerce Site from Hacking and Fraud
- E-Commerce Payment Methods

WHAT IS E-COMMERCE SECURITY?

E-commerce security is the protection of e-commerce assets from unauthorized access, use, alteration, or destruction.





DIMENSION OF E-COMMERCE SECURITY

- Integrity ensures that info sent and received has not been altered by unauthorized party
- Nonrepudiation ability to ensure that participants do not deny (repudiate) their online actions
- Authenticity ability to identify the person's identity with whom you are dealing with over the internet
- Confidentiality authorized to be seen by those who should view it
- Privacy ability to control who sees your info
- **Availability** e-commerce site functions as intended

E-COMMERCE THREATS



Threats: anyone with the capability, technology, opportunity, and intent to do harm.



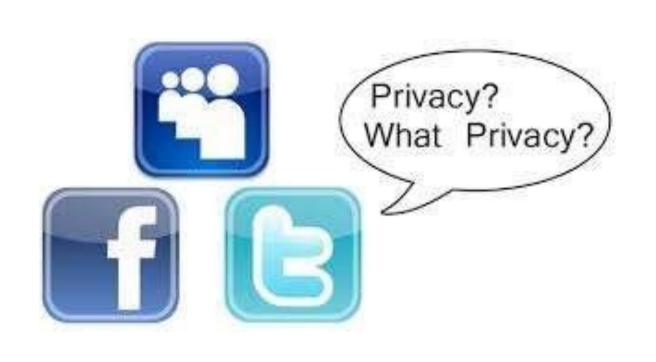
Potential threats can be foreign or domestic, internal or external, state-sponsored or a single rogue element.



Terrorists, insiders, disgruntled employees, and hackers are included in this profile.



1. Loss of Privacy/confidentiality, data misuse/abuse



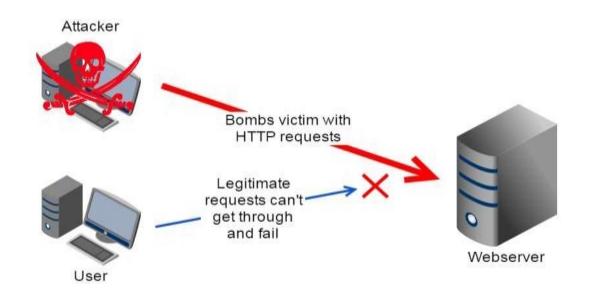
2. Cracking, eavesdropping, spoofing, rootkits



3. Viruses, Trojans, worms, hostile ActiveX and Java



4. System unavailability, denial of service, natural disasters, power interruptions



Intellectual Property Threats

use existing materials found on the Internet without the owner's permission, e.g., music downloading, domain name (cybersquatting), software pirating



Client Computer Threats

- Trojan horse
- Active contents
- Viruses



Communication Channel Threats

- Sniffer program
- Backdoor
- Spoofing
- Denial-of-service



Server Threats

- Privilege setting
- Server Side Include (SSI), Common Gateway Interface (CGI)
- File transfer
- Spamming



COUNTER MEASURE

A procedure that recognizes, reduces, or eliminates a threat



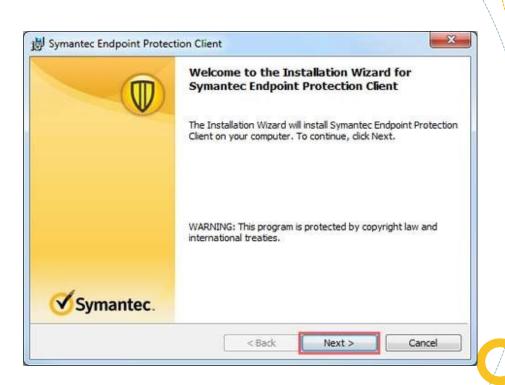
Intellectual Property Protection

- Legislatures
- Authentication



Client Computer Protection

- Privacy (Cookies Blockers, Anonymizer)
- Digital Certificate
- Browser Protection
- Anti-virus Software
- Computer forensic experts



Communication Channel Protection

- Encryptions
- Protocol
- Digital Signature



Server Protection

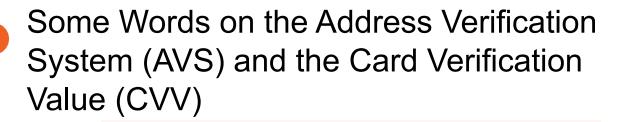
- Access Control & Authentication
- Firewall





Start by Going with an e-commerce Platform You Know is Secure

- A secure online checkout
- Enterprise-level, layered security
- Encryption for all customer data, including tools that don't store any of the credit card information
- Constant fraud monitoring
- PCI compliance and scans
- Card verification value
- Address verification system











Visa, Mastercard & Discover Cards

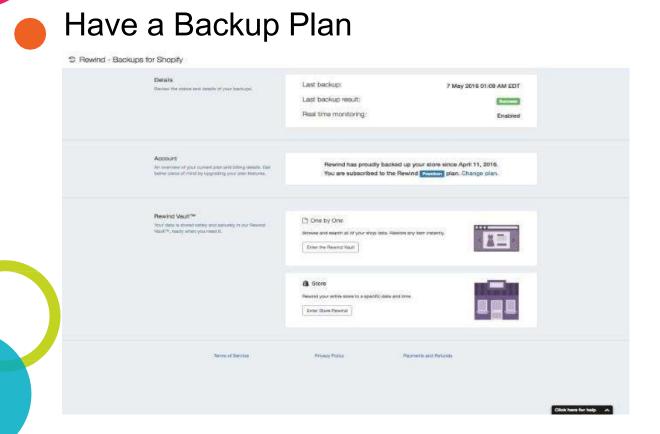
Your Security Code is a 3-digit number located after your account number in the signature strip on the back of your card.

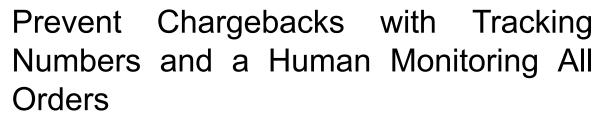


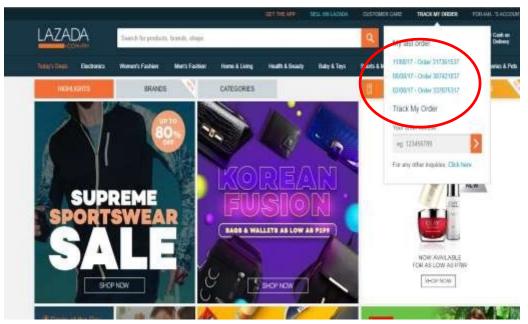


American Express Card

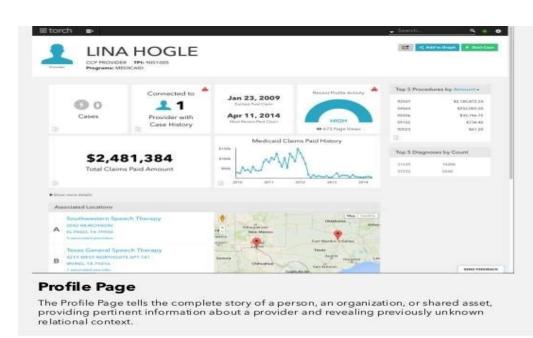
Your Security Code is a 4-digit number located above your account number to the left or right on the front of your card.





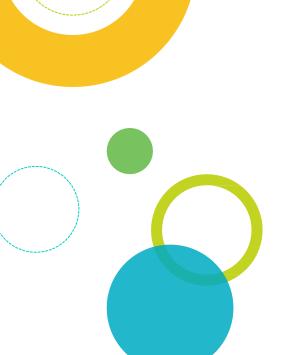


An Automated Fraud Detection System Helps Too







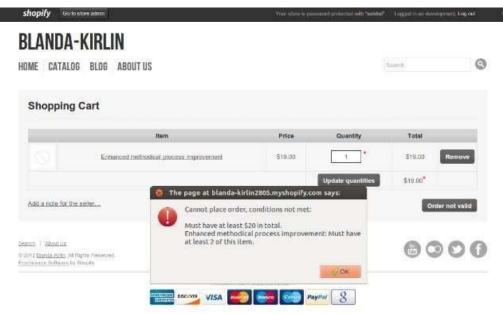


Force Yourself and All Employees to Have Strong Passwords





Set Limits on Purchases from Accounts on a Given Day





E-COMMERCE PAYMENTS





ALL OVER THE PHILIPPINES!



100% RISK-FREE & HASSLE-FREE SHOPPING!







- NEFT- NATIONAL ELECTRONIC FUNDS
 TRANSFER
- RTGS- REAL TIME GROSS SETTLEMENT
- IMPS-IMMEDIATE PAYMENT SERVICE





PAYMENT CARDS – CREDIT CARD



PAYMENT CARDS – DEBIT CARD



PAYMENT CARDS – CHARGE CARD



SMART CARD



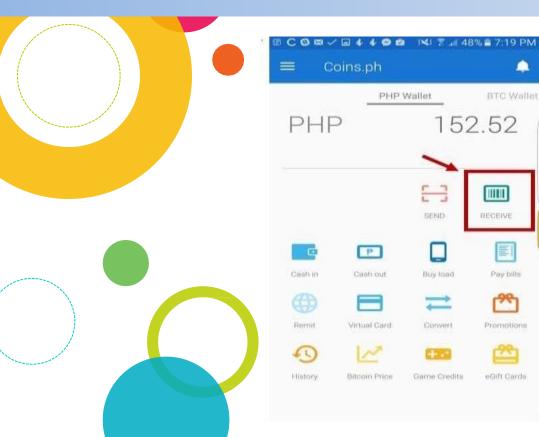
ELECTRONIC CASH (E-CASH / E-MONEY)







E-WALLET





DIGITAL CASH



VIRTUAL CURRENCIES





Thanks!



Any questions?