

Coordinated Security: A New Paradigm

Steve Hanna

October 8, 2009

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Computing Is Fundamental



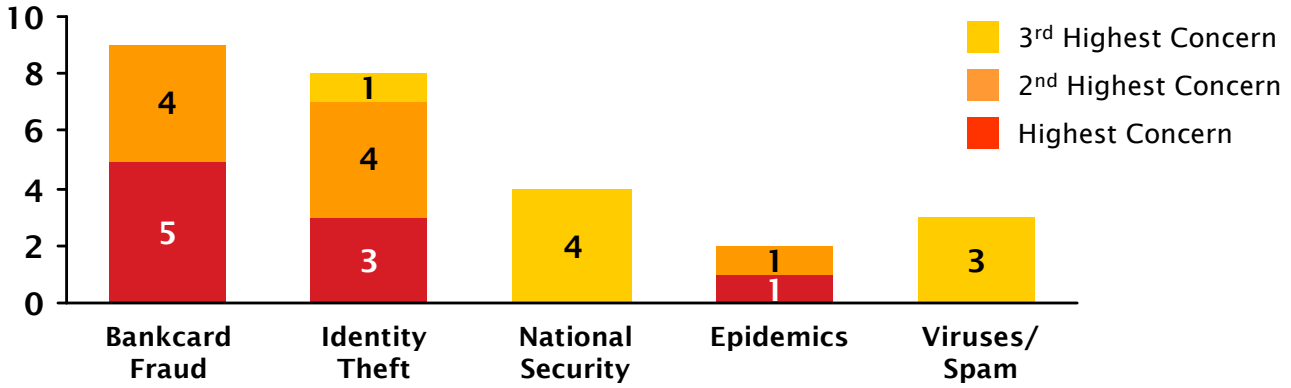
… but it's built on sand …

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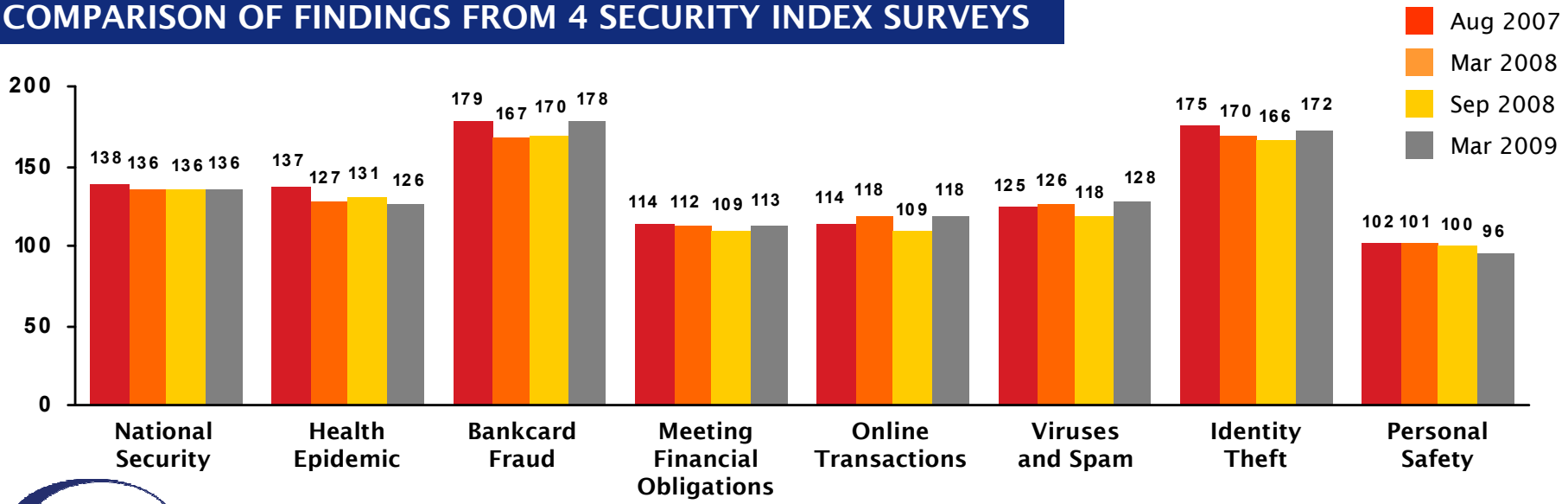
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Consumers Are Worried

TOP RANKED CONCERNS ACROSS ALL COUNTRIES



COMPARISON OF FINDINGS FROM 4 SECURITY INDEX SURVEYS

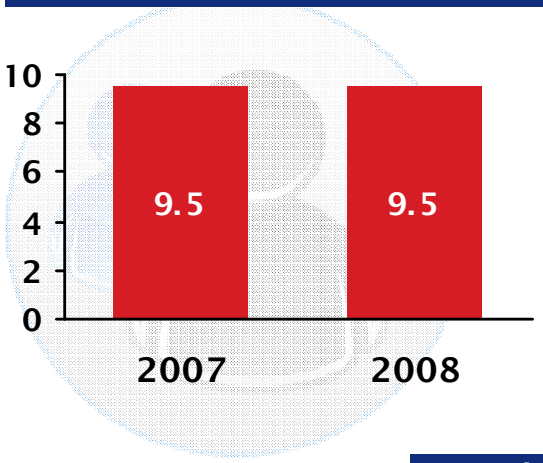


Source: Unisys Security Index

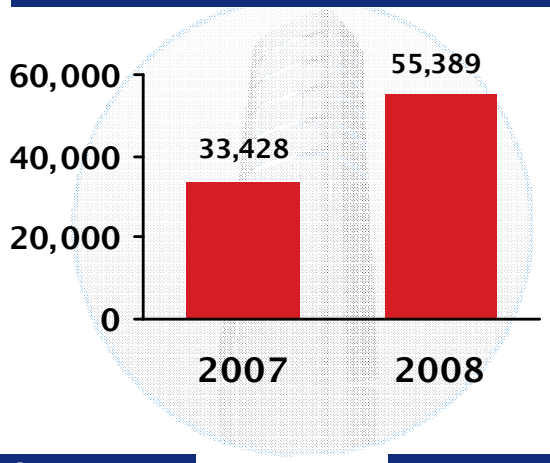
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Worried for Good Reason

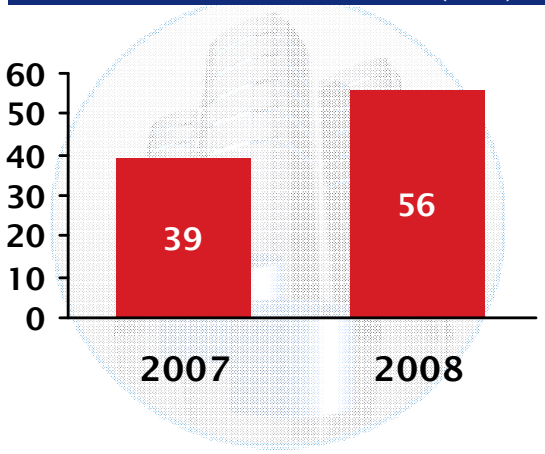
BOT-Infected Computers (MM)



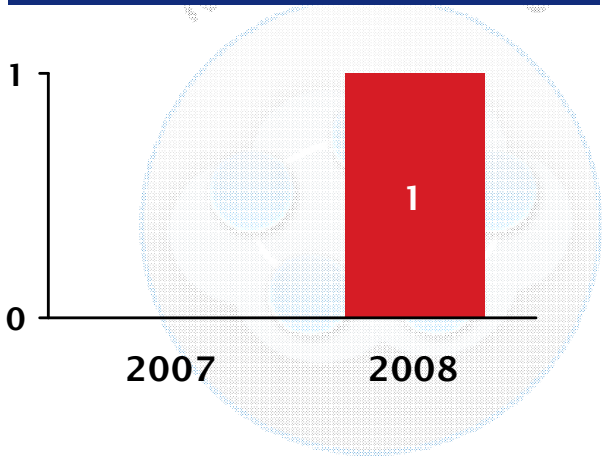
Phishing Web Site Hosts



Identities Breached Due to Data Loss and Theft (MM)



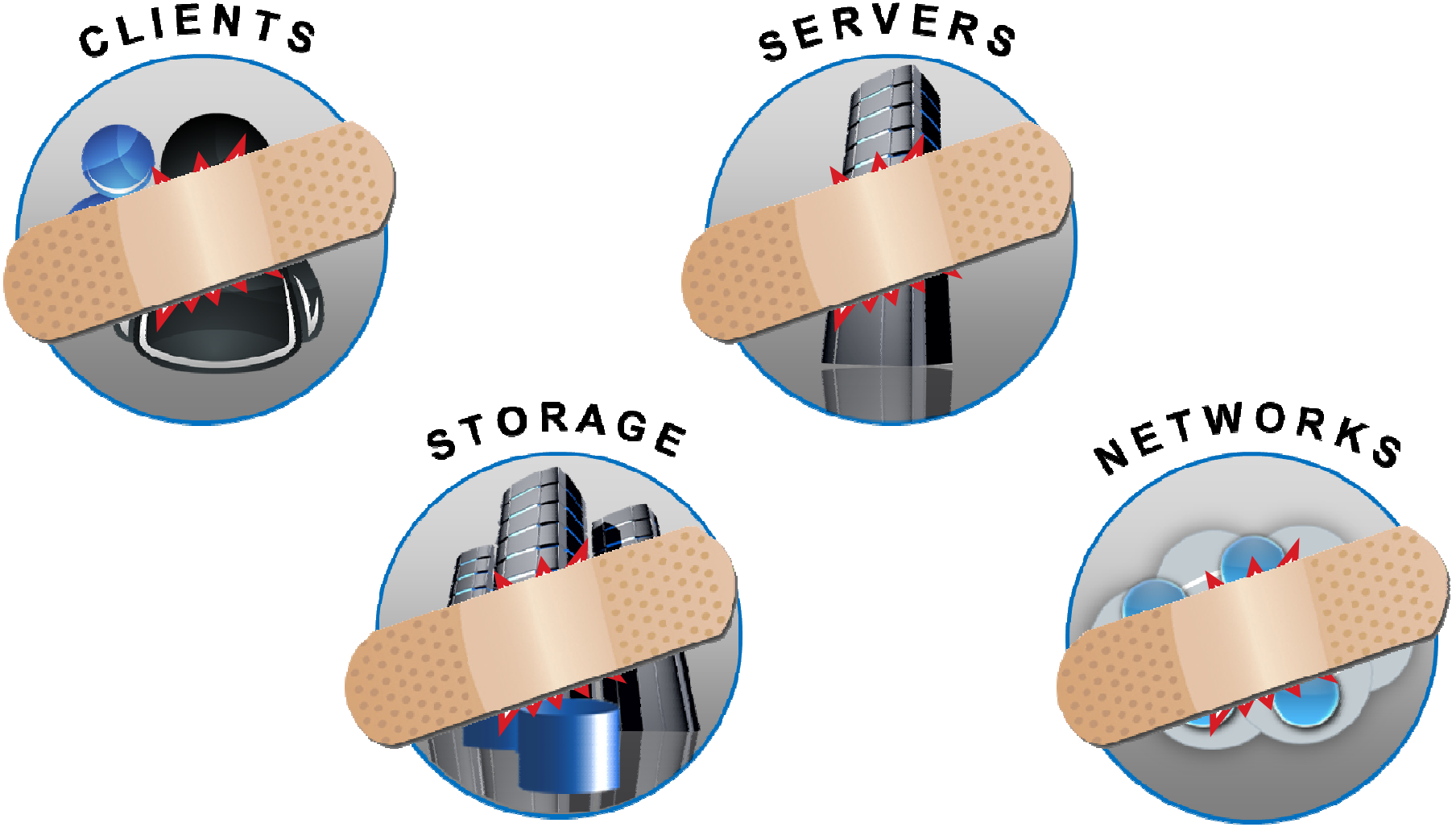
Conficker Infections (MM)



Source: Symanec Internet Security Threat Report

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Our Current Defense

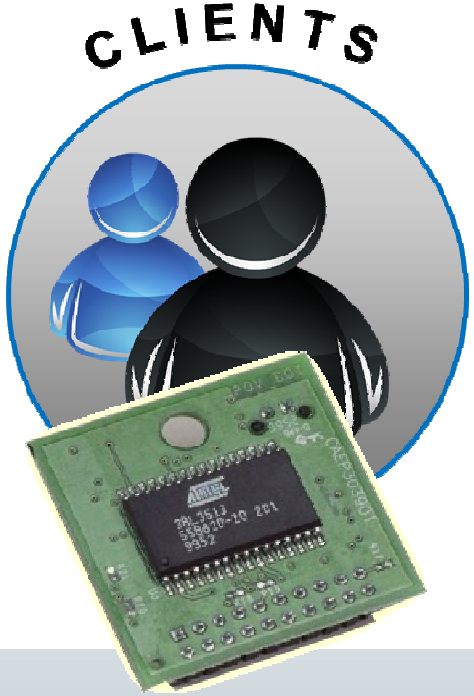


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Coordinated Security

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Trusted Clients



Security Built In

- Trusted Platform Module (TPM)
- Mobile Trusted Module (MTM)

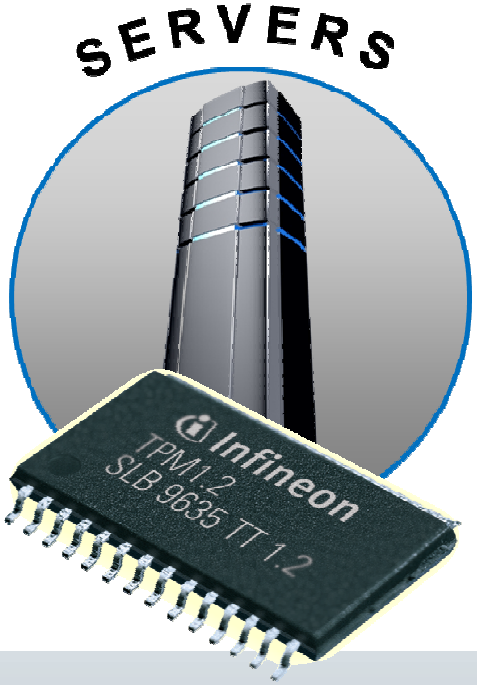
Features

- Authentication
- Encryption
- Attestation

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Trusted Servers



Security Built In

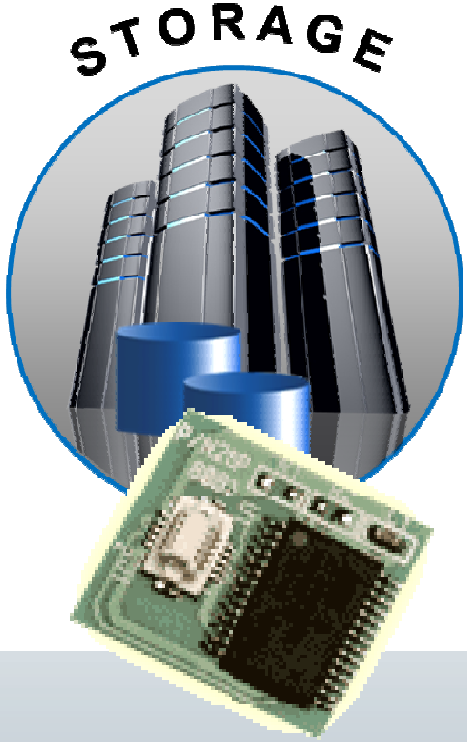
- Trusted Platform Module (TPM)
- Secure Virtualization
- Secure Cloud

Features

- Authentication
- Encryption
- Attestation

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Trusted Storage



Security Built In

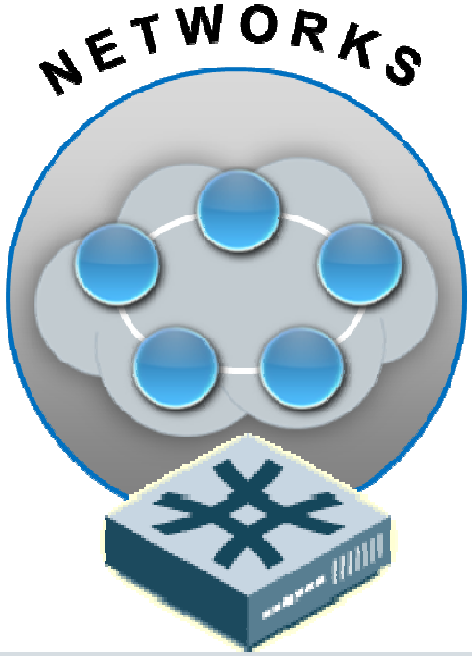
- Self Encrypting Drive (SED)

Features

- Encryption
- Authentication

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Trusted Networks



Security Built In & Coordinated

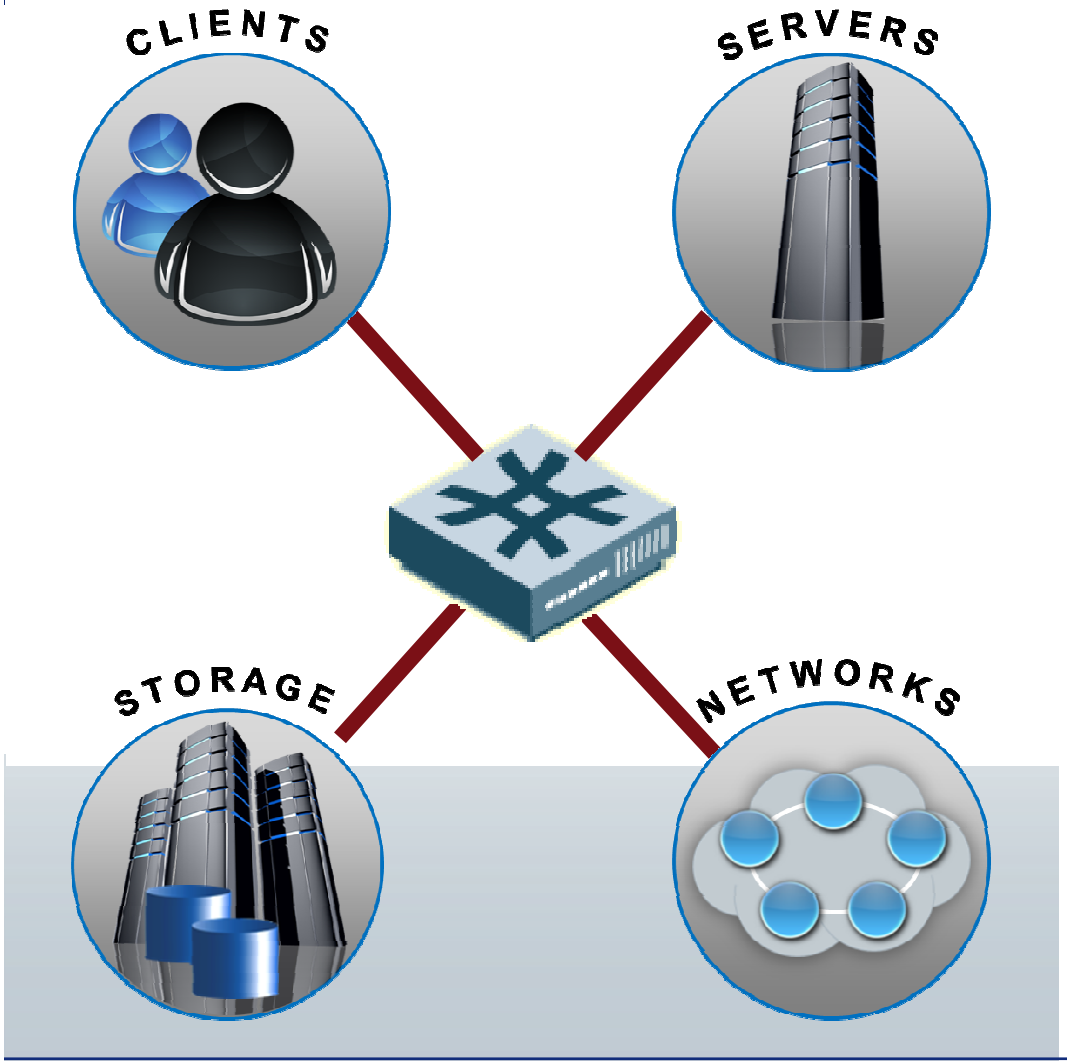
- Trusted Network Connect (TNC)

Features

- Authenticate
- Health Check
- Behavior Monitor
- Enforce

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Coordinated Security



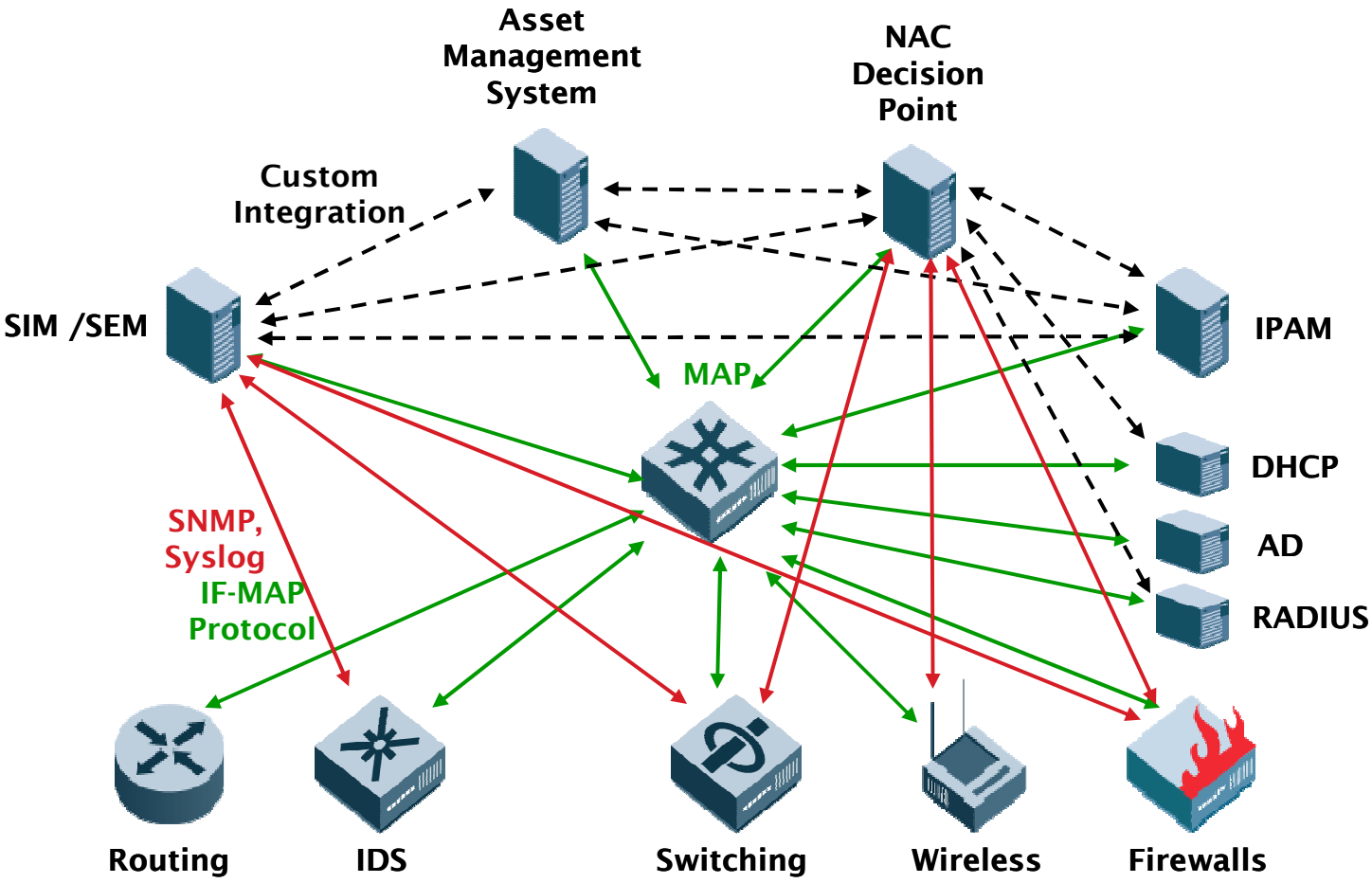
Share

- Who, What, When, Where, Privileges
- Threats
- Policies
- Cooperative Defense

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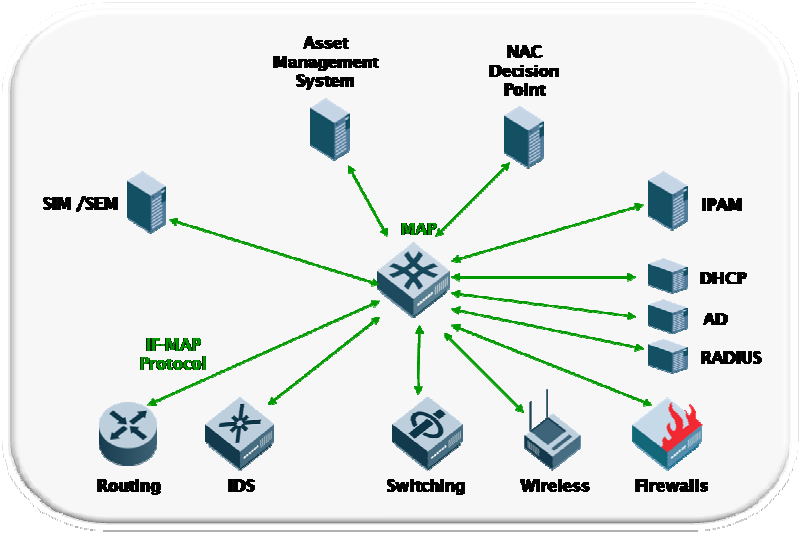
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Open Standards

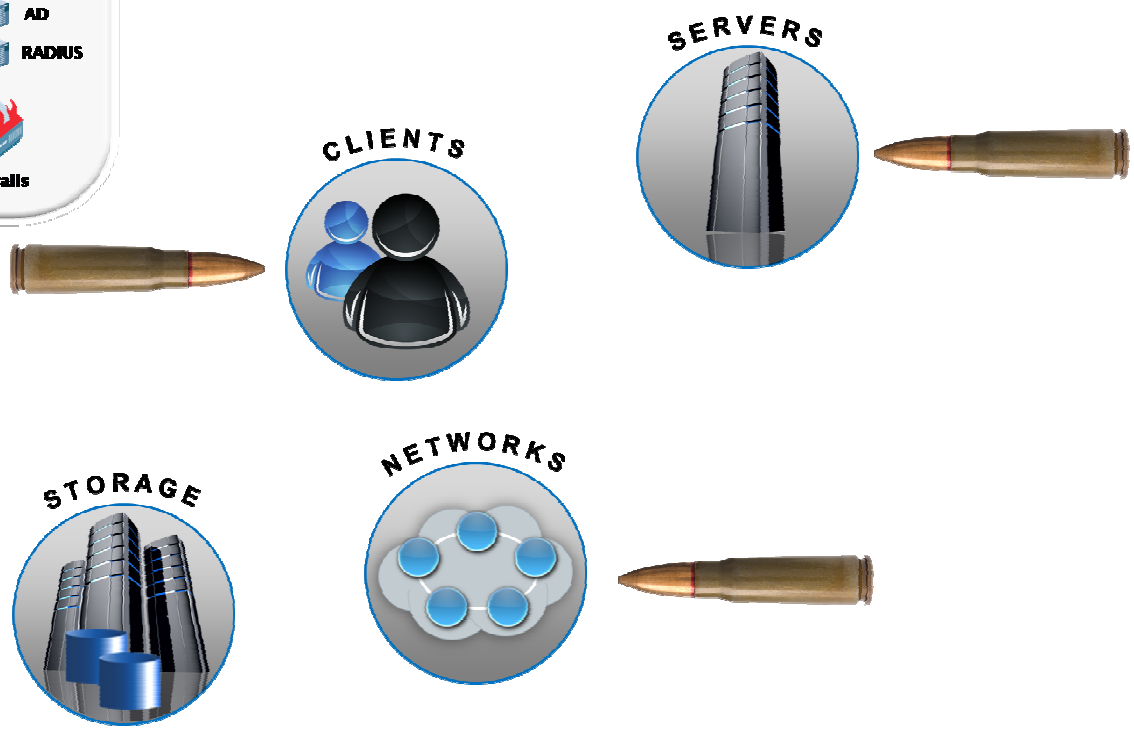


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Benefits

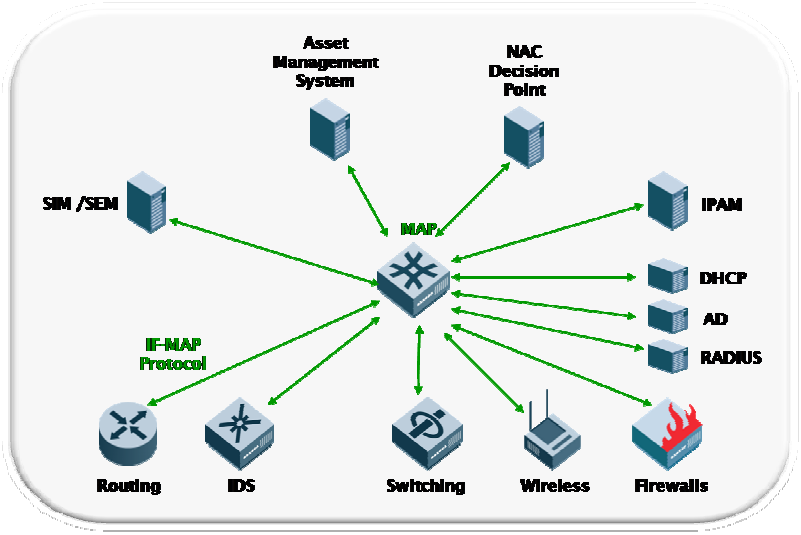


Stronger security

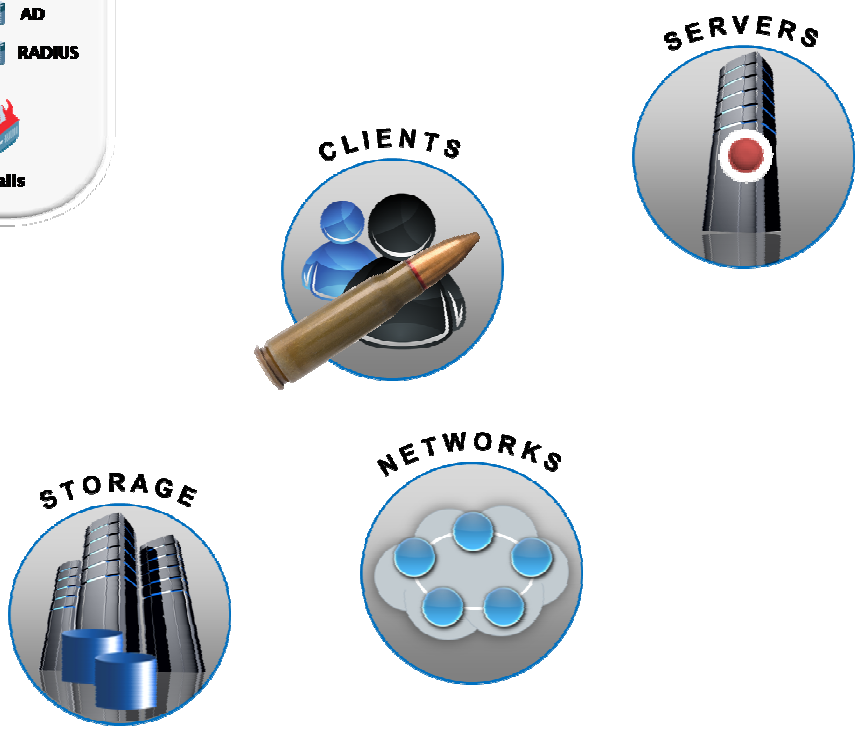


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Benefits

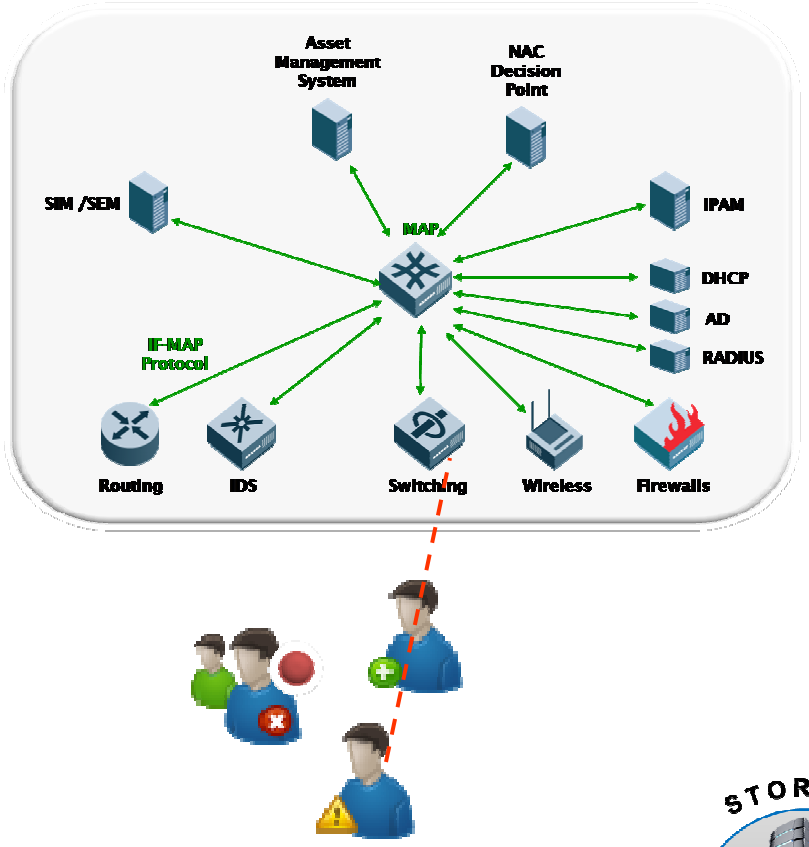


Faster Response



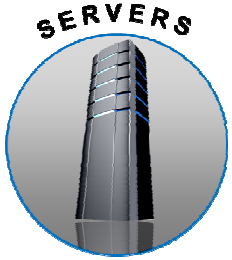
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Benefits

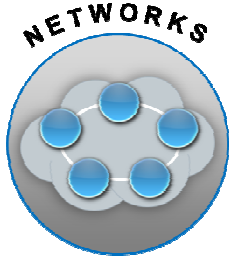


More flexibility



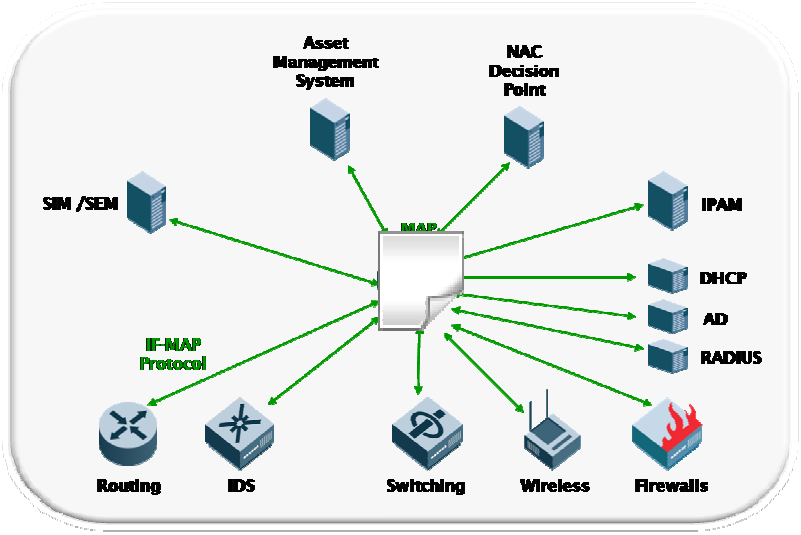






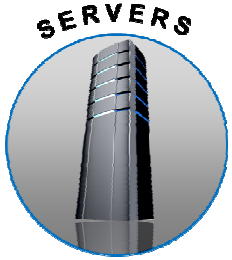
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Benefits

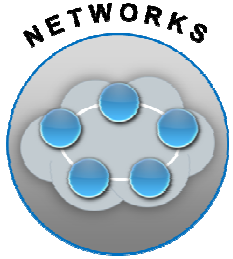


Single security policy



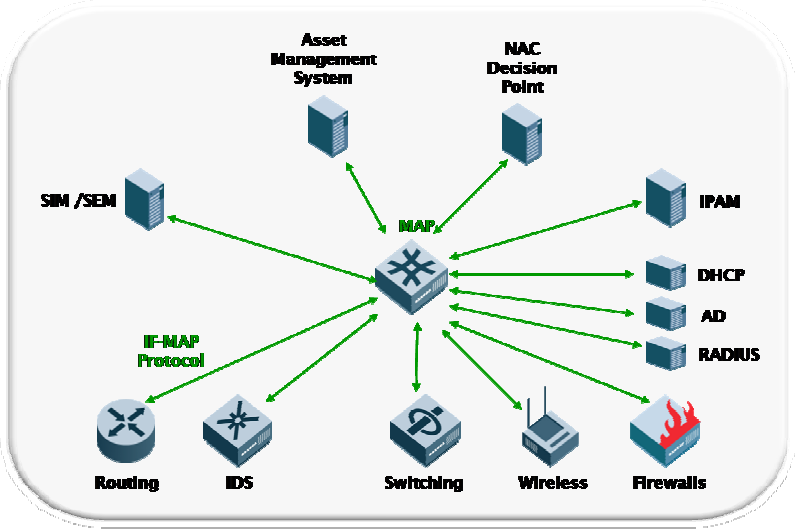






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Benefits



Product choice

How to Deploy Coordinated Security

1. Get info from TCG web site
   - Case studies, design guidelines, standards
2. Make case to management based on benefits
3. Require coordinated security support in RFPs
4. Deploy incrementally
5. Enjoy benefits

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For More Information

Trusted Computing Group (TCG)

http://www.trustedcomputinggroup.org

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