

INMARTECH 2006 - Net Security Presentation

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http://www.shipops.oregonstate.edu/martech/inmartec/2006/net_secure/cover.html

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Wecoma Net Security

Kill the Wabbit

Sung to Wagner's "The Ring"

Opponent	Description	Likelihood	Combat Strategies	Combat Effort
Wabbit Hunter	Knowledgable Cracker Hunting You	Low	Stay out of his sites, wear body armor	Very High
Bear	Script Kidde, Bot, Port Scans	High	Be faster than other wabbits.	Medium
Real Estate Developer	Clueless users	Garanteed	Land use laws, strict oversight and enforecement	High

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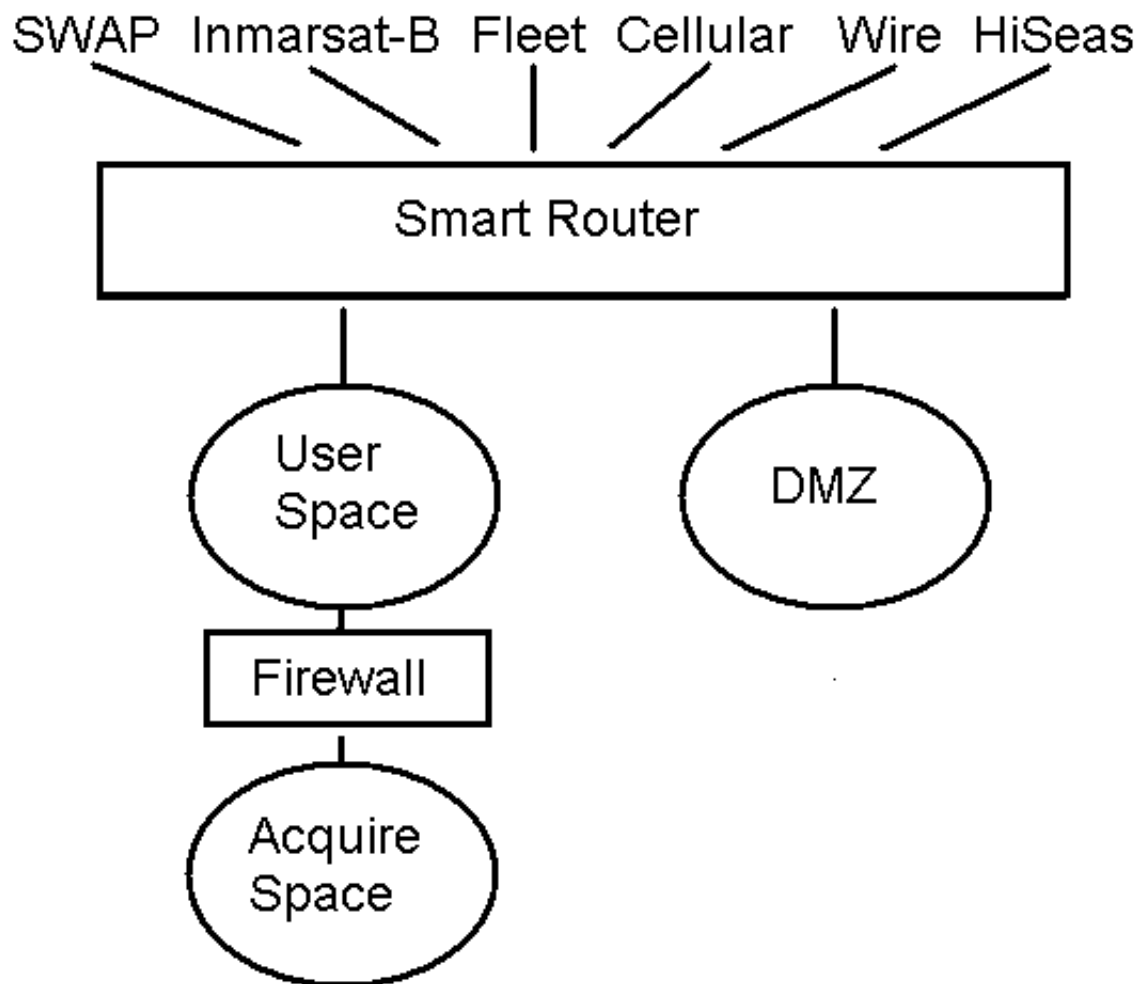
Service	Examples	Importance	Security Strategies	Wecoma
Confidential Data	Personel Information, Pcode keys	Very High	Restrict Read, Write, Physical Access, Encrypt	Captain's Safe
Data Acquisition	Underway data, ADCP, CTD, ...	High	Restrict Write Access	Not directly on network, blind dump to user space
Primary Internal Services	DNS, DHCP, Time, Routing, Switching, ...	High	Restrict Write Access	Appliances
Secondary Internal Services	File Sharing, Printing, Internal Web, ...	Low	Minimal	Appliances
External Services	E-mail, File Transfer to Shore, External web browsing, ...	Too High, Increasing	Education, Filters, Smart Routers, Firewalls, Funnel Access through controlled site, Restrict Access	IMAP, uucp, restricted to specific machines
Other External Services	Provide services/tunnels to non-home sites	Not	Do NOT do, DMZ	Not allowed
Ship Provided User Computers	Browser, File Interface, Word Processor, Spreadsheet,...	Medium	Isolate, Education, Anti-virals, Sacrificial, Shunning	Education, Anti-virals, Sacrificial, Shunning
Science Provided Computers	Whatever	Low	Isolate, Anti-virals, Sacrificial, Shunning	Education, Anti-virals, Sacrificial, Shunning

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Fantasy Network Diagram



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