QUALYS™

Worm-Proofing Your Network

QualysGuard On Demand Web Service

May 2004

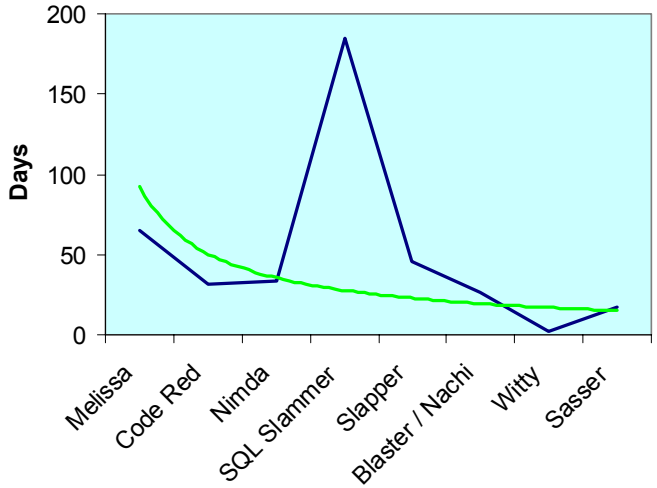
SECURITY ON-DEMAND

Agenda

1. Today's Worms vs. Yesterday's Worms
2. Why Worms Bypass Today's Defenses
3. Strategy: Focus on the Vulnerability; *NOT* the Worm
4. 4 Steps to Worm-Proofing Your Network
5. How QualysGuard Works: A DEMO
6. A QualysGuard Success Story: DuPont
7. The QualysGuard Difference

Today's Worms vs. Yesterday's Worms

- Time from vulnerability announcement & patch to worm creation & execution is shrinking
  - Slammer: Months
  - Blaster & Sasser: Weeks
  - Witty: Days



- Each new worm is appearing faster and with an increasing number of variants
- Worms are carrying increasingly more deceptive and "heavier" payloads

Why Worms Bypass Today's Defenses

- Weakening & expanding network perimeters
- Inefficient or incomplete assessment processes
- Information overload
- Lack of resources (people and funds)
- Lack of knowledge / expertise

Yesterday's Security Solutions Will Not Protect You From Today's Worms

- Antivirus, IDS, and Firewalls are not enough
  - AV agents must be installed and active on every host
    - Problem: Worms can disable AV services
    - Problem: Rogue devices & non-company devices
    - Problem: Devices not in compliance with standards
  - IDS requires manual 'care & feeding'
    - IDS signatures will only find the worm after it is too late
    - Failure to update IDS signatures ⇨ IDS won't find worm at all
  - Worms are permeating network and host FWs
    - Worms often come as email attachments, not stopped by FWs
    - FW configurations are not audited frequently enough

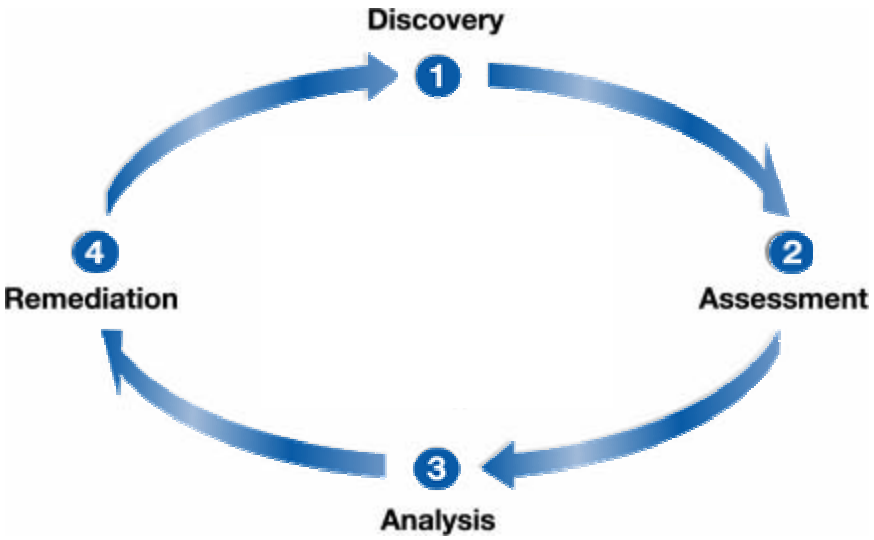
Strategy: Fight the Vulnerability, NOT the Worm

- Worms can only infect vulnerable systems
- Most organizations react to worms ‘after the fact’
- Instead – fix the vulnerability before the problem arises. Be proactive, not reactive.
  - How?
    - Know your resources
    - Manage your processes
    - Identify vulnerable systems before they become infected
    - AUTOMATE

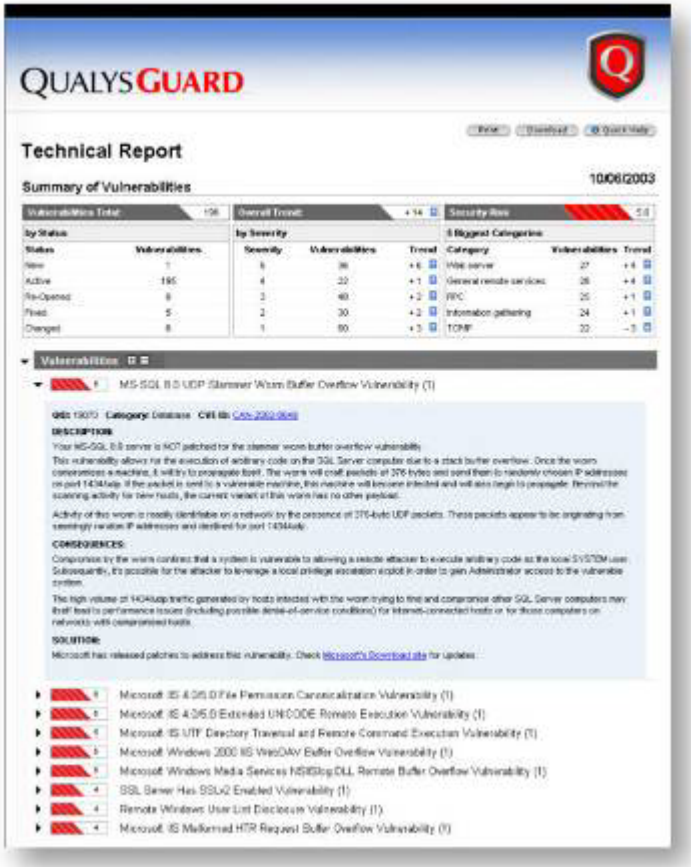
4 Steps to "Worm-proofing" Your Network

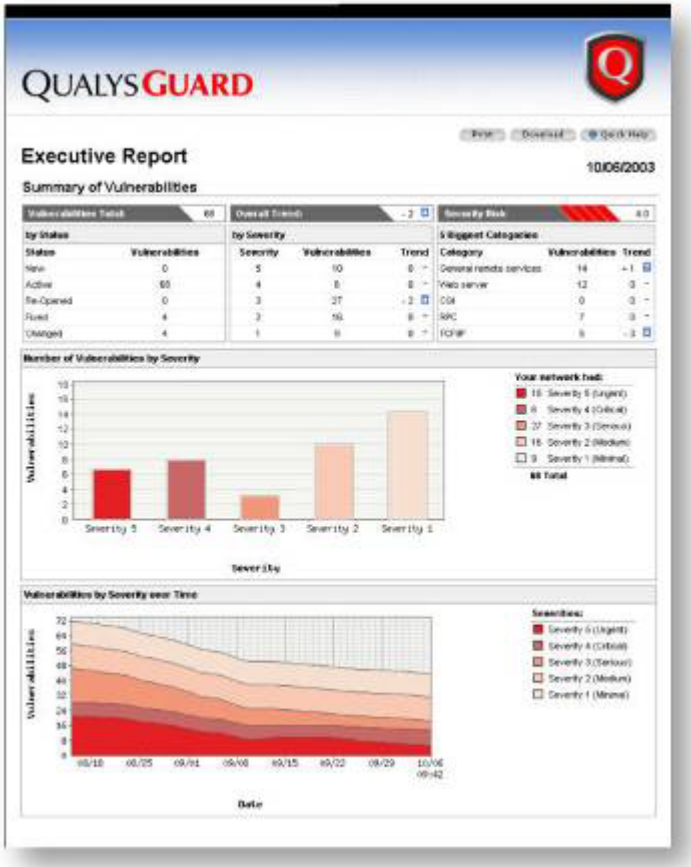
- Worm-proofing your network can be as easy as:

1. Proactively discover devices on your networks
2. Regularly scan / assess your devices
3. Analyze the results & prioritize mitigation activities
4. Manage the vulnerability remediation process



QualysGuard® Demo





DuPont Case Study: The Need

- Implement a Vulnerability Management solution across a large enterprise that is globally dispersed
- Utilize the same solution across segmented, firewalled networks
- Provide “independently gathered” metric-rich detailed and management level reports
- Integrate the vulnerability management process
- The solution needs to be: comprehensive, accurate, auto-updating, non-harmful to systems and networks, deployed quickly, easy to use…

DuPont: The Objectives

Business objectives:

- Use a service versus build and run internally
- Don't buy software & hardware. Avoid capital expenditure
- Low TCO; avoid support, maintenance & misc costs.
- Proactively prevent worm exposures by eliminating vulnerabilities

Functional objectives:

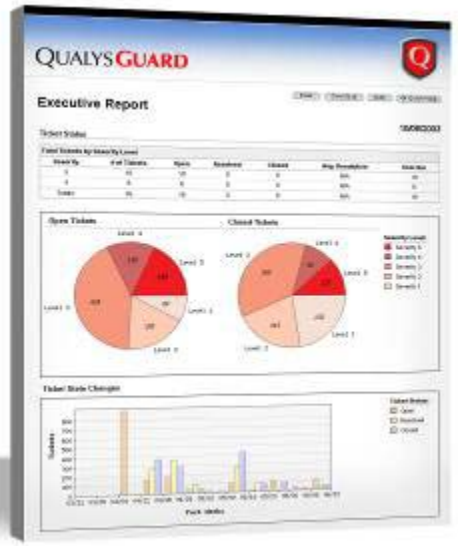
- Deploy a comprehensive VM solution across the enterprise
- Implement a "closed loop" approach (finding to fixing)
- Replace Security Team's tool kit

DuPont: The Results

- Globally deployed QualysGuard in weeks
  - Started scanning perimeter immediately
  - Installed 37 scanner appliances
- Initiated weekly and monthly scanning across the enterprise
- Built 75+ unique groups of assets for scanning, reporting and remediation
- First baseline scan ~60,000 devices
- Went from reacting to preventing worm outbreaks
  - Zero impact from Sasser

The QualysGuard® Difference

- Industry's most accurate & comprehensive solution
- On Demand & Always Up to Date
- Immediately deployable with no software to install
- 'Out of the box' interoperability
- Built in vulnerability remediation workflow



Next Steps

- Visit us on the web at http://www.qualys.com/wormproof
- Try it!...free full feature product trial
- Contact us at wormproof@qualys.com