Using Nagios as a Security Tool

JARED BIRD JAREDBIRD@GMAIL.COM TWITTER: @JAREDBIRD

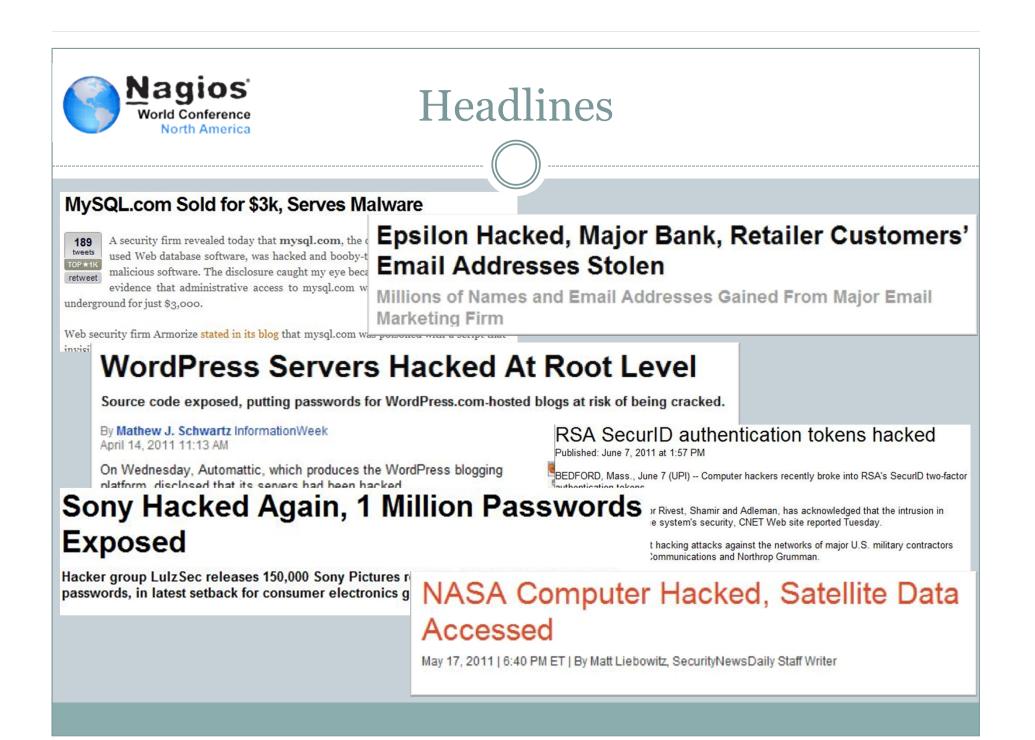


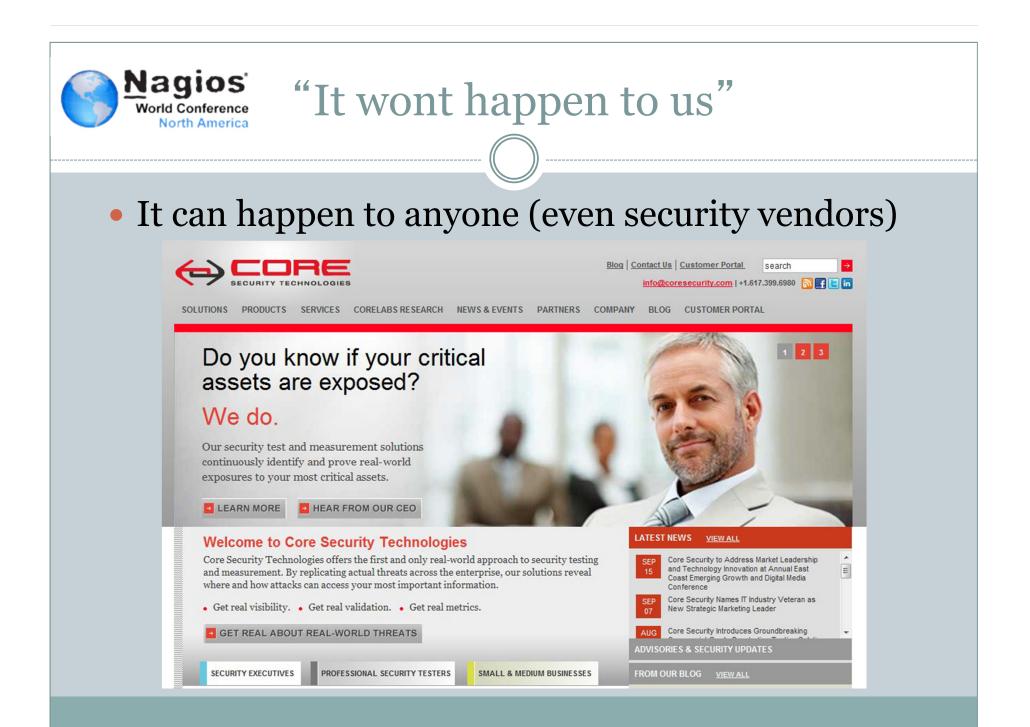


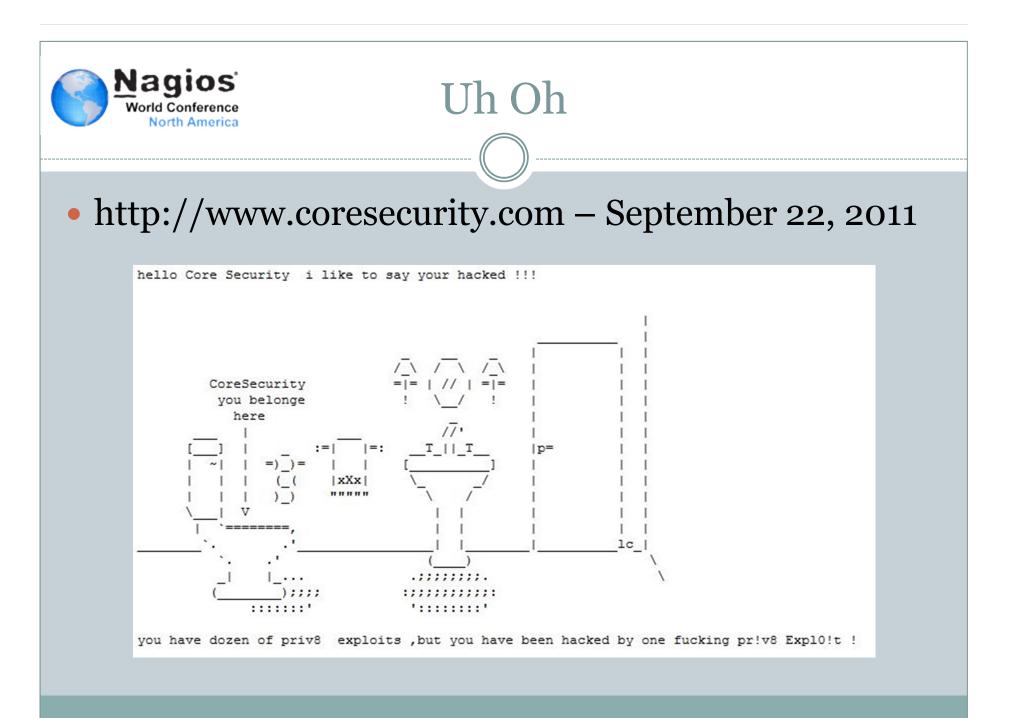


Protect brand













- Default configurations
- Website defacement
- Missing patches
- DNS redirection
- Unused services
- Unauthorized use
- Many, many more











Default Configurations

- Default passwords
- blank sa account
 - Once password is set, monitor with new credentials
- XI Auto-discovery check for insecure protocols
- Scheduled scans and output to Nagios









- Monitor for defacement
 - check_http –H
 <u>www.yoursite.com</u> –s
 "sekret"
 - × Checks for "sekret" string
- Check certificate
 - check_http –H
 www.mysite.com –C 21
 - Checks certificate for 21 days of validity
- DDOS alerts



Software Installed

- Check url for content (version)
- Ex: <u>http://www.adobe.com/software/flash/about/</u>
 O Check for string "10.3.183.10"
- Manually update string
- Better way?





DNS



- Have DNS entries changed?
- DNS hijacked
- High Impact



- Auto-discovery
- Check for insecure services
- Check for previously disabled services



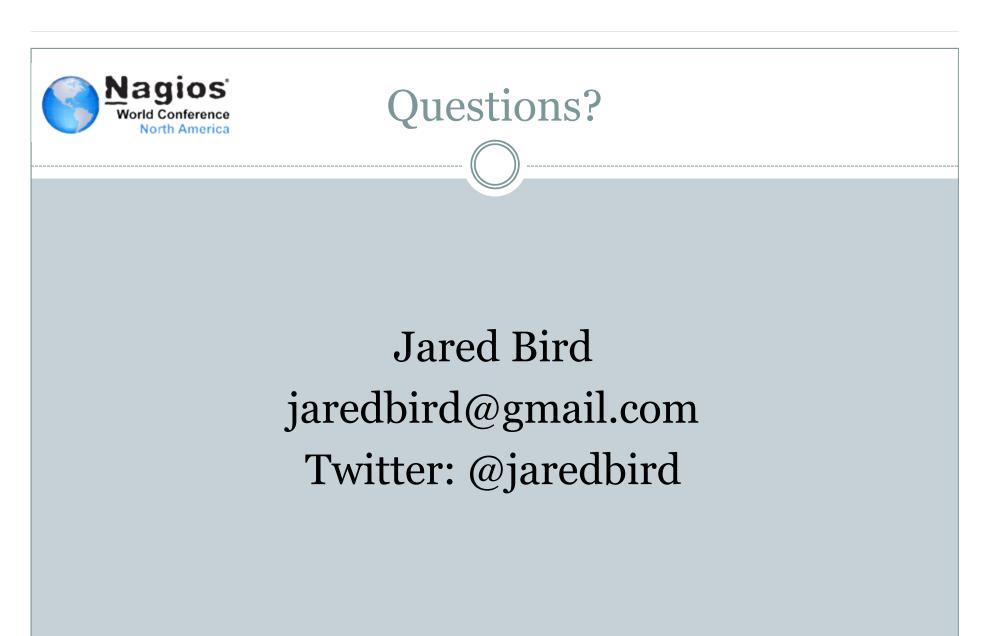




- Monitor video cameras

 <u>http://bit.ly/bY2tjd</u>
- Ideas?





Thank You