Check Yourself!

Three Self-Awareness Keys To Improve Your Organization's Security

Justin Hall Director, Security Services



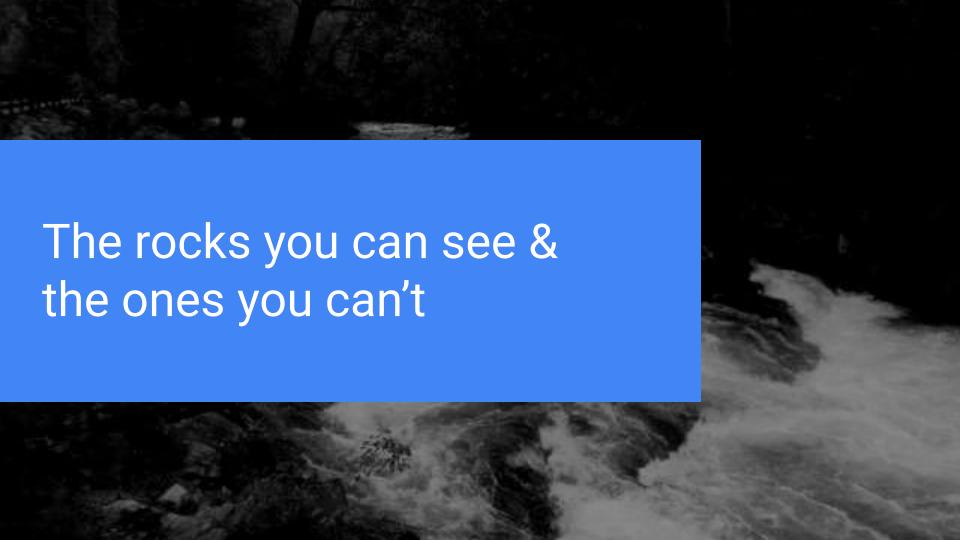
/usr/bin/whoami

Twelve years with CBTS as security consultant to shops small (5 person) and large (Fortune 5)

GIAC Certified Penetration Tester, Incident Handler, Forensic Analyst

BSidesCincinnati cofounder

Husband, dad, Christ follower, gamer



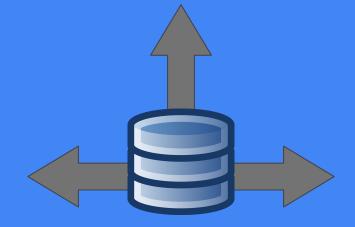


- 1. Your assets
- 2. Your threats
- 3. Your vulnerabilities



software

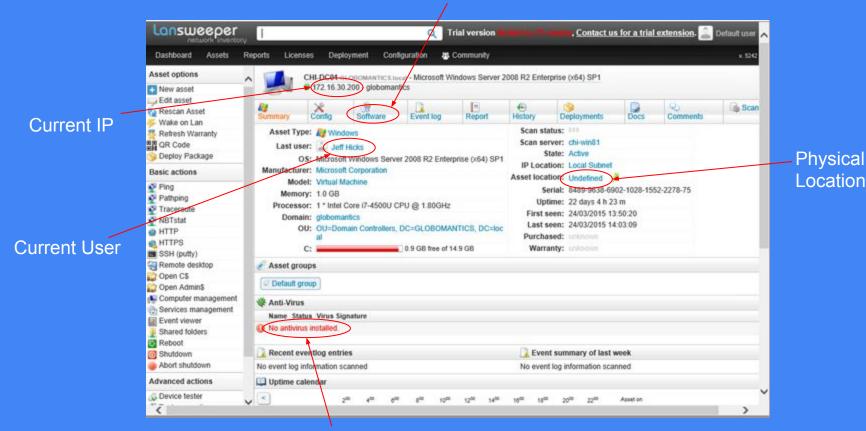




hardware



Installed Software



Defense Status

Data Awareness

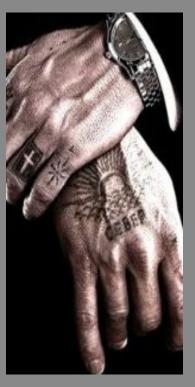
- → What data do we have?
- → Who owns our data?
- → What data is sensitive? How sensitive?
- → How do we protect the data?
- → How do we destroy the data?
- → If the data is exposed, what steps must we take?



- 1. Your assets
- 2. Your threats
- 3. Your vulnerabilities



State Sponsored



Organized Crime



Hacktivism



Insider Threat

What Might A Threat Want?

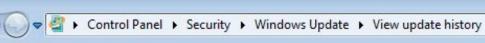
- → Customer records
- → Financial data
- → Intellectual property
- → Technical information
- → Credentials and keys
- → Employee information



- 1. Your assets
- 2. Your threats
- 3. Your vulnerabilities

Technical Vulnerabilities

- → Missing patches
- Obsolete operating systems and software
- → Weak passwords
- → Insufficient / no encryption
- → Configuration flaws



File Edit View Tools Help

Review your update history

Make sure all important updates have been successfully installed. To remove an update, go to Installed Upd

Troubleshoot problems with installing updates

Name	Status
Definition Update for Windows Defender - KB915597 (Definition 1.57.408.0)	Success
Definition Update for Windows Defender - KB915597 (Definition 1.57.181.0)	Success
Vindows Malicious Software Removal Tool x64 - April 2009 (KB890830)	Success
Definition Update for Windows Defender - KB915597 (Definition 1.55.1987.0)	Success
Security Update for Windows Vista for x64-based Systems (KB960803)	Success
Security Update for Windows Vista for x64-based Systems (KB959426)	Success

Success

Security Update for Microsoft Office Excel 2007 (KB959997)

Security Update for Windows Vista for x64-based Systems (KB956572)

Security Update for 2007 Microsoft Office System (KB960003)

Security Update for Windows Vista for x64-based Systems (KB952004)

Definition Update for Windows Defender - KB915597 (Definition 1.55.1579.0)

Definition Update for Windows Defender - KB915597 (Definition 1.55.1119.0)

Definition Update for Windows Defender - KB915597 (Definition 1.55.933.0)

Definition Update for Windows Defender - KB915597 (Definition 1.55.543.0)

Cumulative Security Update for Internet Explorer 7 for Windows Vista x64-based Systems (KB963027)

Update for Windows Mail Junk E-mail Filter for x64-based Systems [April 2009] (KB905866)

Definition Update for Windows Defender - KB915597 (Definition 1.55.314.0)

Success

Organizational Vulnerabilities

- → Missing or vague policies
- → Poor user behavior
- → Insecure software development practices
- → Lack of exec focus





















Vulnerability Assessments

Penetration Tests

Web Application Reviews

Security Program & Architecture

BSidesCincinnati 2017 - May 20

Listen to excellent talks! Network! Learn! Beer! Food! Swag!

@bsidescincy / bsidescincy.org



Thanks!

@justinhall justin.hall@cbts.net