How to Perform IT Risk Assessment

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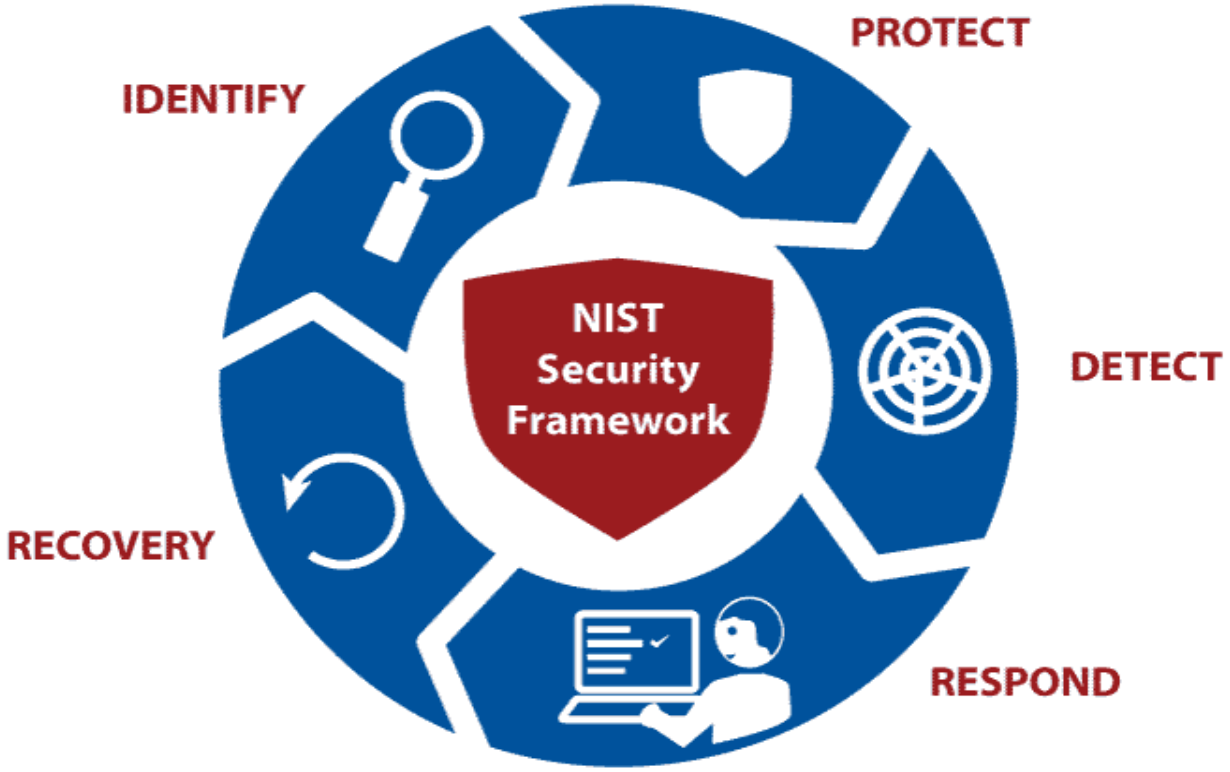
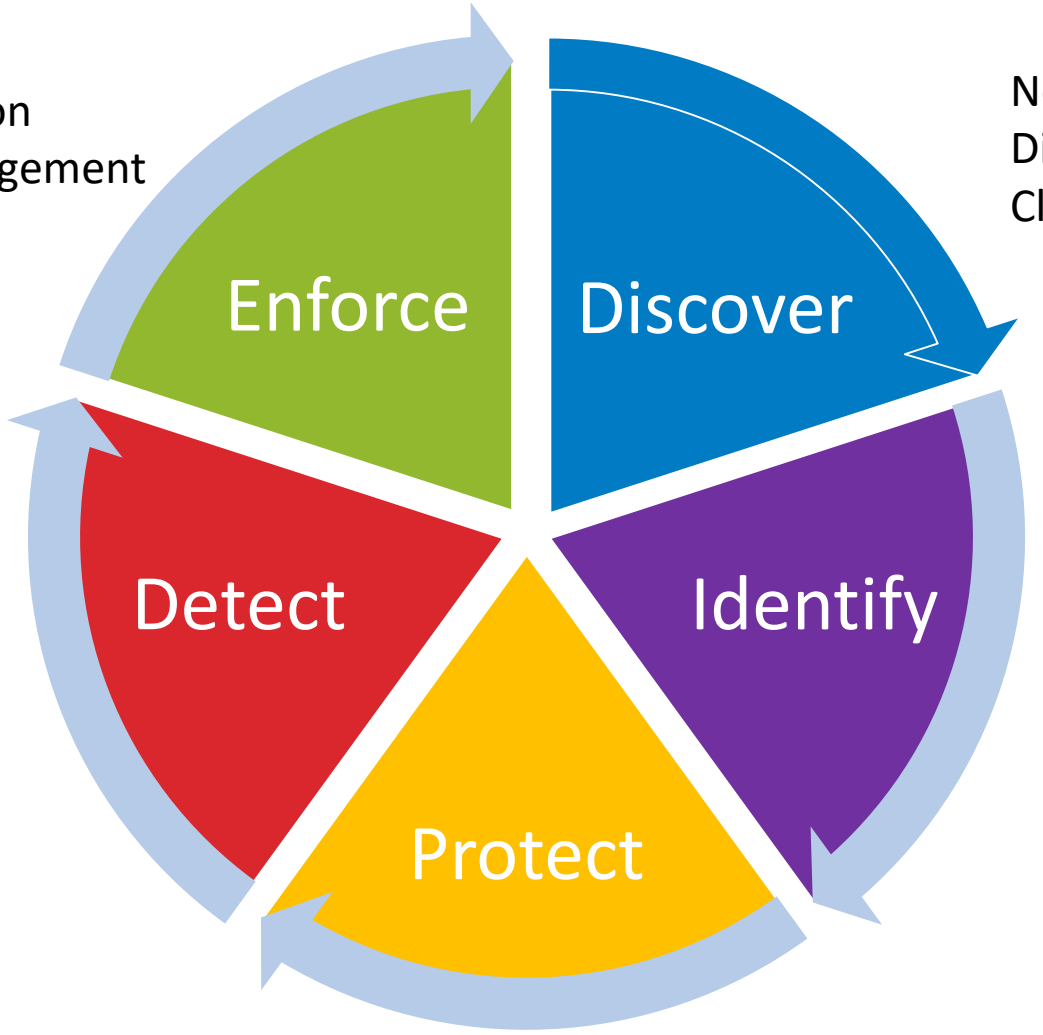
Risk management

NIST Cybersecurity Framework



Securing Data with Netwrix Auditor



Data Loss Prevention
Information Rights Management

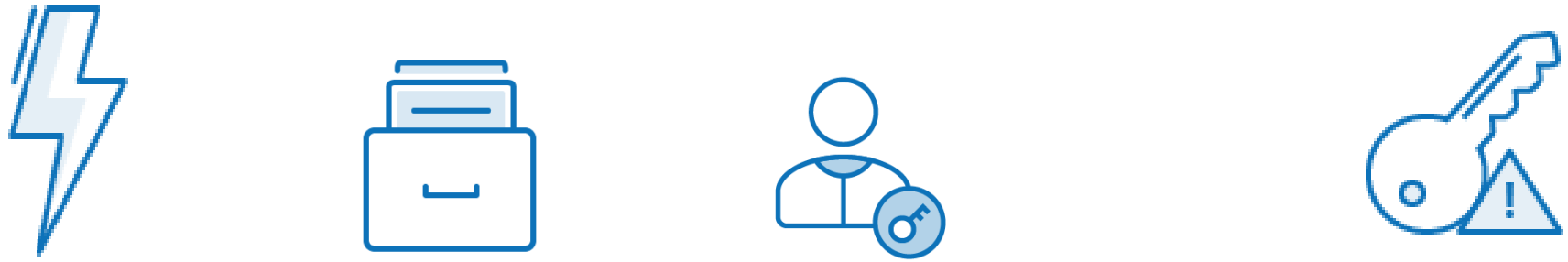
Netwrix Data
Discovery and
Classification

Netwrix Auditor

Netwrix Data Discovery and
Classification Plus/
Metadata

Netwrix Auditor /
Netwrix Data Discovery and Classification

Risk Determination



RISK = ASSET x THREAT x VULNERABILITY

ASSETS

- Data
- Servers
- Websites
- Cash
- Real estate
- Time

THREATS

- Accidental human interference
- Malicious humans
- System failure
- Natural disasters

VULNERABILITIES

- Excessive access permissions
- Wrong security settings
- Old equipment
- Unpatched workstations

How valuable are your assets?

DATA is the main ASSET

- What kind of data are you **responsible** of?
- Do you have **sensitive data** on storages?
- **How much** would it cost if data was **stolen**?
- **How much** would it cost if data was **lost**?
- **How much** would it cost if data was **changed/corrupted**?

Who is accessing your data and why?

A HUMAN is the main THREAT

- Do you know what users are doing in your IT environment?
- Are there failed access attempts?
- Are there behavior anomalies?
- Who owns potentially harmful files on file shares?

What are the weak points in your infrastructure?

Internal policies and actual settings must fulfil security requirements

- What is your password policy? Actual passwords settings?
- What is your permissions policy? Actual permissions?
- What is your administrative groups policy? What is actual status?
- Who has access to sensitive data?

Main vulnerabilities 1

Password security

X accounts with non-expiring passwords (X% of total)

X accounts that do not require passwords (X% of total)

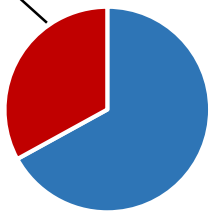
Potentially harmful files on file shares

X potential harmful files

(X% of total)

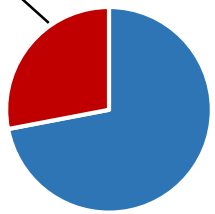
Users with administrative permissions

X users (X% of total)
have administrative permissions



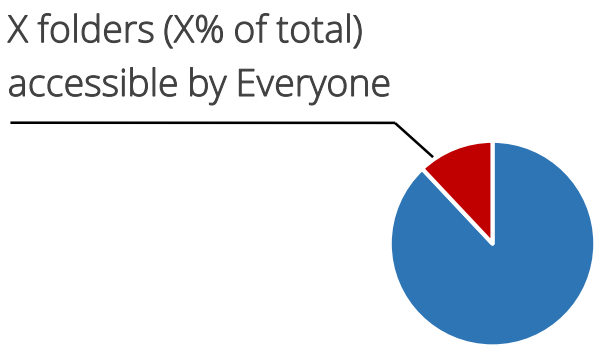
Administrative groups

X groups (X% of total)
are administrative



Main vulnerabilities 2

Shared folders accessible by Everyone



Sensitive files by source

X files (total)

- X Sensitive files
- X GDPR files
- X GLBA files
- X PCI DSS files
- Etc.

Overexposed Files and Folders

- X folders
- X files

Excessive permissions to sensitive data

- X users

Contractors have Read permissions to:

- X folders
- X files

Next Steps

- Low, Medium or High
- Low, Medium or High
- Determine the level of risk for each threat/vulnerability pair. Low, Medium or High

Our Upcoming Workshops

Continuous Risk Assessment with Netwrix Auditor

Red Hall

March 20

10:10

Reducing IT Risks with Netwrix Auditor

Orange Hall

March 20

10:10