

A ransomware attack takes place every 14 seconds. Nearly one-fourth of data breaches can be attributed to web application attacks. There is a notable increase globally across attack vectors and it is your team's responsibility to manage the potential risks. How do you verify your resiliency in the event of a cyber attack?

Identifying the likely threats to your organization is the best approach to prepare and protect. Regular reviews establish a baseline of your controls and performance, and a method to improve your security posture and fix any vulnerabilities.

Informed Risk Management

As cyberthreats continue to evolve and become more sophisticated, you require a comprehensive look at how to enhance your protection against the five MITRE ATT&CK Types listed in Center for Internet Security's Community Defense Model. The **HALOCK Risk-Based Threat Assessment**, using HALOCK's *Duty of Care Risk Analysis (DoCRA) methodology*, combines security guidance from Center for Internet Security, Inc. (CIS®), MITRE, The National Institute of Standards and Technology (NIST), and the VERIS Community Database (VCDB) to provide this unique offering.

With the Risk-Based Threat Assessment, organizations can prioritize security controls to enhance or implement using the best threat data the cybersecurity community offers. This results in budget and resource efficiencies by addressing the security areas of highest concern and in order of importance, to increase your resilience to cyber attacks.

Why Choose HALOCK?

As authors of the DoCRA Standard and developers of <u>CIS</u> <u>RAM</u>, HALOCK has specialized insight to guide you through a risk method to establish reasonable and appropriate security.

Risk expertise like no other.

Improve protection against the five MITRE ATT&CK Types:

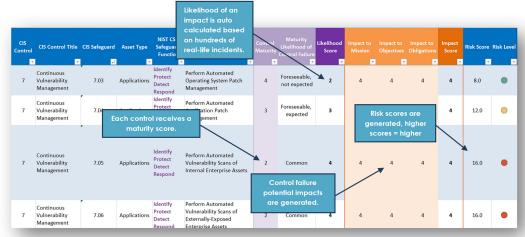
- Ransomware attack
- Malware attack
- Insider Abuse attack
- Web App attack
- Persistent External attack

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The Methodology and Deliverables

This DoCRA based threat assessment includes interviews with your organization's personnel using the CIS Critical Security Controls (CIS Controls) to understand how your security is currently deployed.

A **risk register** will be created and each applicable CIS control scored.



Risk Register

Using the scores generated from the risk register, a **heat map** will be created for each attack type identifying the vulnerabilities that impose the greatest threat to your organization.



Heat Map/Attack Path Average Unacceptable Risk Scores

Analysis and recommendations are provided at each stage to give you the priority road map to improve your risk posture.

Attack Stage	Average unacceptable Risk	Analysis	Priority Safeguards to implement
Lateral Movement	13.3	Analysis: It is unlikely that ACME could prevent, detect, or respond to lateral movement within their networks if privileged credentials were obtained. Assets: Servers, workstations, network	Previously mentioned CIS controls are also applicable here. CIS 5.02 – Use Unique Passwords. CIS 5.03 – Disable Dormant Accounts. CIS 5.03 – Establish and Maintain an Inventory of Service Accounts. CIS 8.02 - Collect Audit Logs. CIS 12.02 - Establish and Maintain a Secure Network Architecture.
Establish Persistence	13.3	Analysis: Due to some deficiencies in the process of identifying and auditing the use of privileged accounts (service accounts and shared passwords) it would be difficult to identify and potential misuse of accounts going forward. Assets: Servers, workstations.	Previously mentioned CIS controls are also applicable here. CIS 5.02 – Use Unique Passwords. CIS 5.03 – Disable Dormant Accounts. CIS 5.05 - Establish and Maintain an Inventory of Service Accounts.

Report Analysis

The Risk-Based Threat Assessment

can be a onetime project or an annual program to continually model threats.

You can choose
1 or up to all 5
attack types for the
assessment. Clients
can use a previously
completed risk
register or initiate a
new one.

Prioritize Remediation Using What Matters Most To You:

Maturity of security controls and NIST CSF Security Functions

Risks associated with security controls

MITRE ATT&CK Types

Your roadmap from current risks to 'reasonable' controls