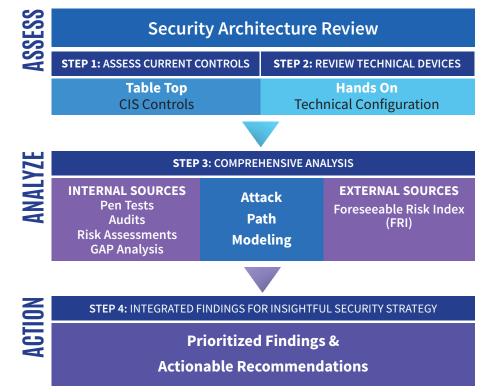
THREAT-BASED SECURITY ARCHITECTURE ANALYSIS



How are your controls performing against the threats that are affecting your peers?

Identifying priorities and justifying improvements is made easier with HALOCK's Threat-based Security Architecture Analysis. Understanding maturity of your controls is not enough. Leveraging the Foreseeable Risk Index ("FRI"), HALOCK reviews your controls in the context of industry specific threats. HALOCK also incorporates previous diagnostics made available including; gap assessments, penetration tests, risk assessments, incident reports and compliance audits.

Combining all this data offers a comprehensive look at how best to refine your specific security strategy.



BUILD YOUR DIAGNOSTIC

Simplify the complex. Consolidate the process.

HALOCK streamlines your security architecture review workflow. We collect information on your current security processes and analyze your posture against our **Foreseeable Risk Index (FRI)** data to gauge your risks, to develop security recommendations based on your specific environment.

THREAT-BASED SECURITY ARCHITECTURE ANALYSIS

BASIC

- **1** Inventory and Control of Hardware Assets
- **2** Inventory and Control of Software Assets
- **3** Continuous Vulnerability Management
- 4 Controlled Use of Administrative Privileges
- **5** Secure Configuration for Hardware and Software on Mobile Devices, Laptops, Workstations and Servers
- **6** Maintenance, Monitoring and Analysis of Audit Log

Critical Security Controls Evaluated

FOUNDATIONAL

- 7 Email and Web Browser Protections
- 8 Malware Defenses
- **9** Limitation and Control of Network Ports, Protocols and Services
- **10** Data Recovery Capabilities
- **11** Secure Configuration for Network Devices, such as Firewalls, Routers and Switches
- **12** Boundary Defense
- 13 Data Protection
- 14 Controlled Access Based on the Need to Know
- **15** Wireless Access Control
- **16** Account Monitoring and Control

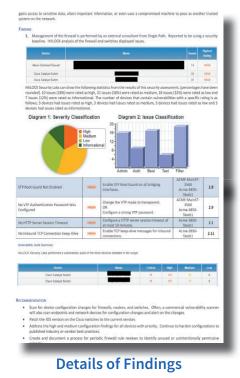
ORGANIZATIONAL

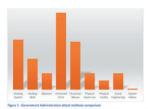
- 17 Implement a Security Awareness and Training Program
- **18** Application Software Security
- **19** Incident Response and Management
- **20** Penetration Tests and Red Team Exercises

Security Architecture & Attack Path Report

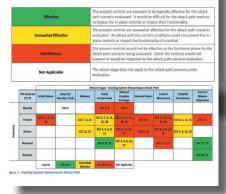
Understand your security landscape easily with a full report on findings of your current environment and how to make it better. Your report offers an Executive Summary, Details of Findings, and Attack Path Modeling to give you the full picture.

formatio	h by strengthe	É the Critical Security Controls for Cyber Defense is to protect critical a ning ACME's security posture. Continuous automated protection and moni uce the likelihood of compromises, minimize the need for recovery efforts.	toring of ACN	E's sensitive
orrespond	ling maturity.	Ite of ACME's infrastructure was evaluated against each listed CIS second The Matunity Rating is a numeric ranking of the assessed maturity of the or incountered and evaluated while the security architecture review effort was	existing control	
1.	Beginning:	Organization has not identified, implemented, or is in planning phases of in	oplementation	
2.	Developing	Organization has identified needed control but has not implemented.		
3.	Baseline:	Organization has implemented best practice control in the most basic depl	ovment config	urations.
4.	Advanced: control.	Organization has implemented control and is actively monitoring, main		
5.	Optimized: The control is fully implemented to its capability such as active blocking, alerting, or other preventi capabilities. Regular review and tuning of control is occurring.			
	ed Findings co	slumn references the section of the report that contains further informatio	n on the curre	ent state and
nfrastruct	are as measur	cal Security Evaluation Dashboard" -summarizes the current state of ACME' ed against the CIS Critical Controls. Each security control included in Table 1 g at the top of the table) to least critical control.		
	6		Maturity	Detailed
		ritical Security Controls for Effective Cyber Defense	Rating	Findings
CSC 1. Inventory and Control of Hardware Assets			3	ш
CSC 2. Inventory and Control of Software Assets			3	<u>M1</u>
CSC 3. 0	ontinuous Vi	Inerability Management	1	<u>H1</u>
CSC 4. Controlled Use of Administrative Privileges			3	<u>H2</u>
CSC 5. Secure Configuration for Hardware and Software on Mobile Devices, Laptops, Workstations and Servers			3	<u>M2</u>
CSC 6. Maintenance, Monitoring, And Analysis of Audit Logs			4	12
CSC 7. Email and Web Browser Protections			3	M3
CSC 8. Malware Defenses			4	13
CSC 9. Limitation and Control of Network Ports, Protocols, and Services			1	<u>M4</u>
CSC 10. Data Recovery Capabilities			5	14
		urations for Network Devices, such as Firewalls, Router, and Switches	2	H3
SUMMA	RY OF REC	OMMENDATIONS		
	ere in the ord ary but can be	ee, a concise summary of recommendations from the "Details of Findings" for in which they were presented. Recommendations for the lower rated i found in the "Details of Findings" section of this document. nent and implement a robust vulnerability management program that incl	indings are no	ot included i
		nanagement and change control & configuration management for all devia		
• De se	curity patch r frastructure e	nvironment.		
• Dr se in • Dr	curity patch r frastructure e isign and esta			
• Dr se in • Dr	curity patch r frastructure e isign and esta	nvironment. iblish an automated process for ensuring monthly checks are performed ap		





For the parsmound this review, we will examine attack paths for Hocking Sphare, Presenced Force Presenced Mouro, Javane, and Social Topologies [For the evaluation, ACMLY control Network have analyzed and controlled at hot bid effective tigs to help during the 2 activation of a set of controls at each functional phase would be effective against the hope of latikat a summaris. Recall that inclusional phases and directly CS are itselfin, Patcel, Patcel, Patcel, Deckor, Bergool, Macquid MacQUCK (a power and NuLLOCK) that and ALLOCC is a power to high load acasesment based on the evaluation of the stormer scavity control and ALLOCC is an observable of both the tasks type phase would be effective in an attack maria, and and assessment is mercommended.



Attack Path Modeling

HALOCK INDUSTRY THREAT (HIT) INDEX

HALOCK Security Labs' HIT analyzes breach data from the public domain, and from HALOCK's incident response findings. The FRI provides an evidence-based approach for modeling threats and estimating their likelihood within individual industries.

FRI can be used for risk analysis for any information security framework, including ISO 27000, NIST Special Publications and Cybersecurity Framework, PCI DSS, and CIS Controls.

