

Cyber Defense Maturity Assessment zur schnellen Feststellung der eigenen Verteidigungsreife

Best Practice Sharing Session

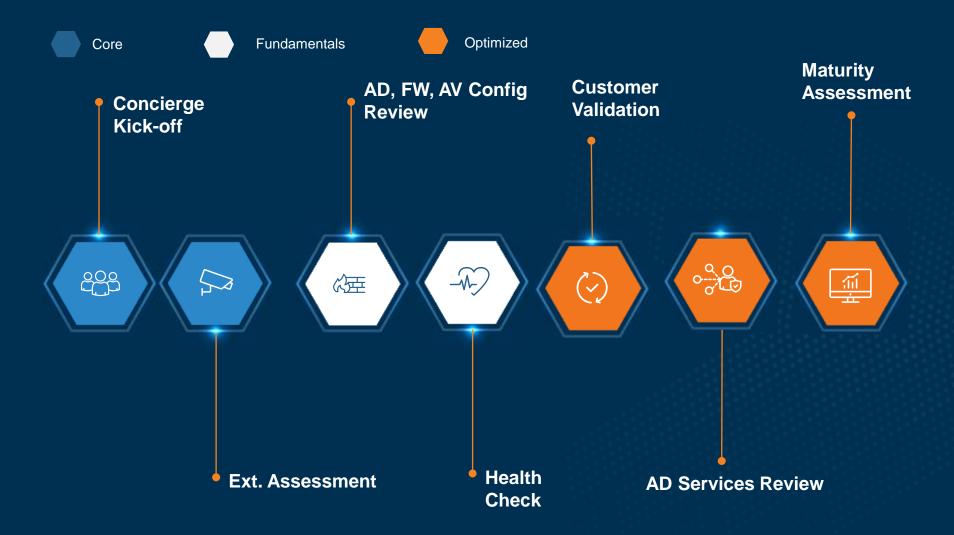
Fabian Lochmann M.Sc. (Arctic Wolf Network Germany GmbH)

Agenda

Customization Journey
Assessment with CIS
Critical Security Controls
Implementation Groups
CDMA Workflow
Summary



3 Month Customization Journey





Assessment with CIS

- ► The **Center for Internet Security** (CIS) is a nonprofit organization that publishes baseline configurations for different technologies
- ► The **CIS Critical Security Controls** (CIS Controls) are a prioritized set of Safeguards to mitigate the most prevalent cyber-attacks against systems and networks. They are mapped to and referenced by multiple legal, regulatory, and policy frameworks.
- ► The **CDMA** is an information security risk assessment method that helps organizations implement and assess their security posture against the CIS Controls cybersecurity best practices.

Classification: Confidential



Critical Security Controls

- ► Implementing Critical Security Controls (CIS Controls) help provide a security focused baseline across the organization and enterprise.
- ► The Critical Security Controls are a recommended set of actions for cyber defense that provide specific and actionable ways to stop today's most pervasive and dangerous attacks.
- Review current findings and recommendations



Implementation Groups

- ► **IG1** is the definition of basic cyber hygiene and represents an emerging minimum standard of information security for all enterprises.
- ▶ **IG1** is a foundational set of cyber defense Safeguards that every enterprise should apply to guard against the most common attacks.
- ► **IG2** and **IG3** build upon previous IGs, with IG1 being the on-ramp to the Controls.



IG1 is the definition of essential cyber hygiene and represents a minimum standard of information security for all enterprises. IG1 assists enterprises with limited cybersecurity expertise thwart general, non-targeted attacks.

56 Cyber defense Safeguards



IG2 assists enterprises managing IT infrastructure of multiple departments with differing risk profiles.
IG2 aims to help enterprises cope with increased operational complexity. Additional cyber defense Safeguards



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IG3 assists enterprises with IT security experts secure sensitive and confidential data. IG3 aims to prevent and/or lessen the impact of sophisticated attacks.

Additional cyber defense Safeguards

Total Safeguards 153

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CDMA Workflow

1. Tag Critical Security Controls with SPiDR libary



2. Map your SOC services our Security Framework

Implementation Group Selection	
Group Selection	1
Services	
Managed Detection and Response	True
Managed Risk	False
Managed Security Awareness	True
Log Search	False
Security Controls	
PIM/PAM/PUM	False
Web Filter	True
Email Filter	True
Anti-Virus / EDR	True
DLP	False
IPS	False
NAC	True
Other Security Controls	
Company Demonstra	
Company Propertie Software Development	False
Cloud Only	False
Cloud Olliy	1:013C

CDMA Workflow





3. Generate the results

Please enter the CIS Score (%) that will be the threshold:

Everything below this threshold will be relevant for your SPIDR Roadmap

Start CIS Mapping

Below you will find the SPIDR Roadmap for your customer, based on their CIS Score after they finished the CIS Control questions:

BP-RISK-066 Insider Threat Risk Best Practices

SP-END-032 Ransomware and Malware Hardening

CSC #4,6 - Secure Configuration of Enterprise Assets and Software

SP-AUTH-022 Identity and Lifecycle Management

CSC #6,3 - Access Control Management

CSC #6,4 - Access Control Management

CSC #6,5 - Access Control Management

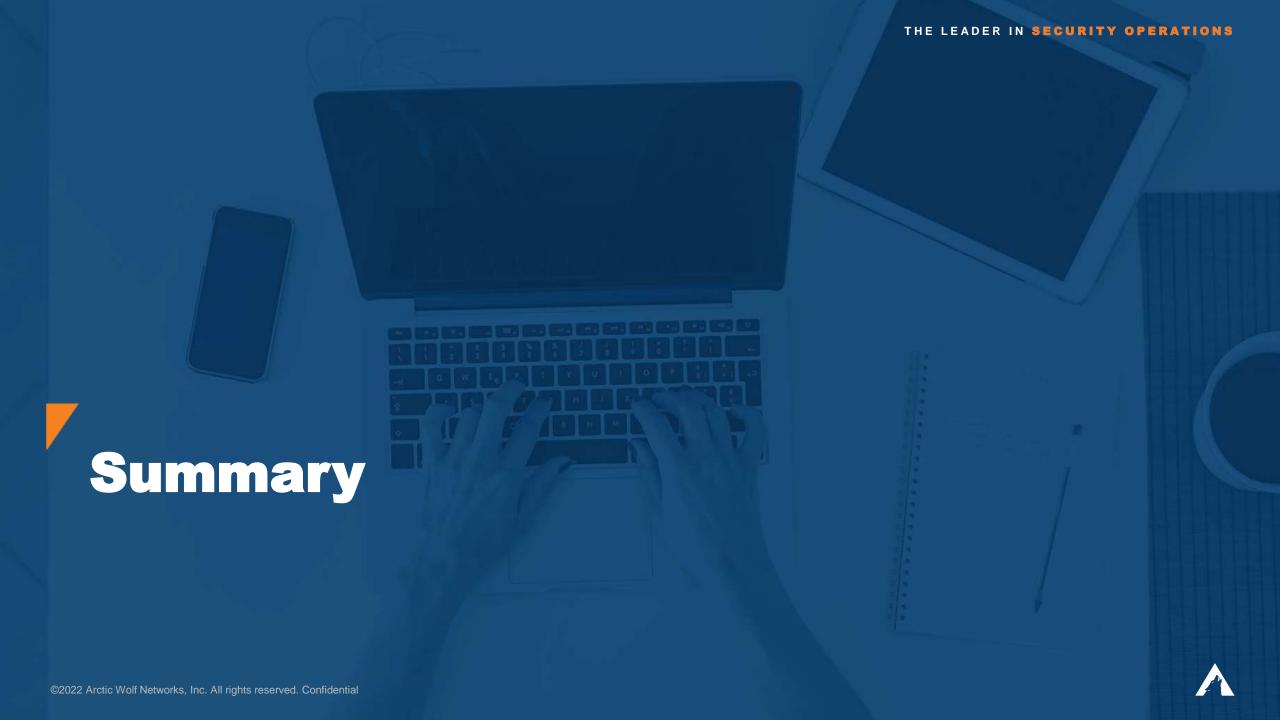
BP-RISK-010 Vulnerability Management Best Practices

BP-RISK-028 Patch and Vulnerability Management

BP-RISK-076 Supply Chain Risk Best Practice







Summary

02 Overview

It generates a technical verifiable overview for management and technical staff

01 Time

It is fast due to simplified technical questions and separation of duties

We do not want to consider all awareness, management, process-based security matures

1

03 Abstraction

It abstracts from many infrastructure details

3

CDMA

Cyber Defense Maturity Assessment

04 Security Controls

It allows a technical security control optimization based on technical facts



05 Reality

Reality Check can be done by "automatic Red Team Tests" like Breach and Attack simulation tools



We do not want a timeconsuming collection of the current state (Pareto principle)



Wo sind wir: Halle 7, Stand 7-715





