

RT3

2025

BLUE WAVE LOGISTICS

SAÉ5.Cyber.3

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BLUE WAVE
LOGISTICS

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Context : BWL

Company presentation

Blue Wave Logistics

- Maritime transport company based in Réunion
- Specialized in maritime freight
- Uses Unmanned Surface Vehicles (USVs)

Challenges and Threats

- Piracy, sabotage, unauthorized access to navigation systems
- Increasing cyber risks
 - Requires a secure infrastructure

→ REQUEST TO DORODATA



01

Context : DORODATA

DORODATA

IT company offering consulting services and secure network management.

- Setting up infrastructure
- Security audit missions
- Governance and risk management

 *Friendliness*

 *Trust*

 *Innovation*

 *Collaboration*

Notre équipe

Antoine DORO

Project Manager

Lukas BOYER

Security Analyst

Émilie CHÉLONÉ

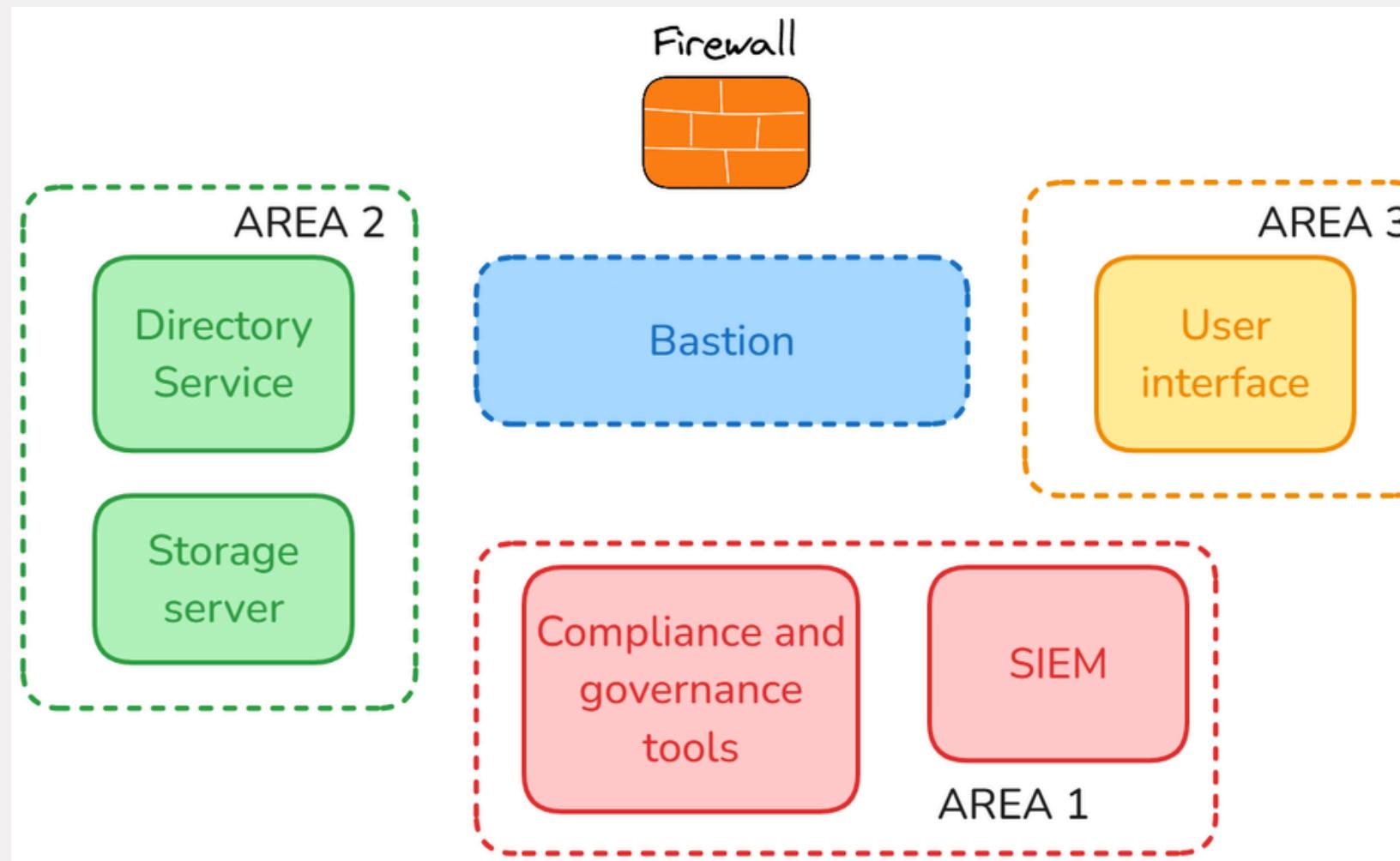
Governance Analyst



02

Architecture Diagram

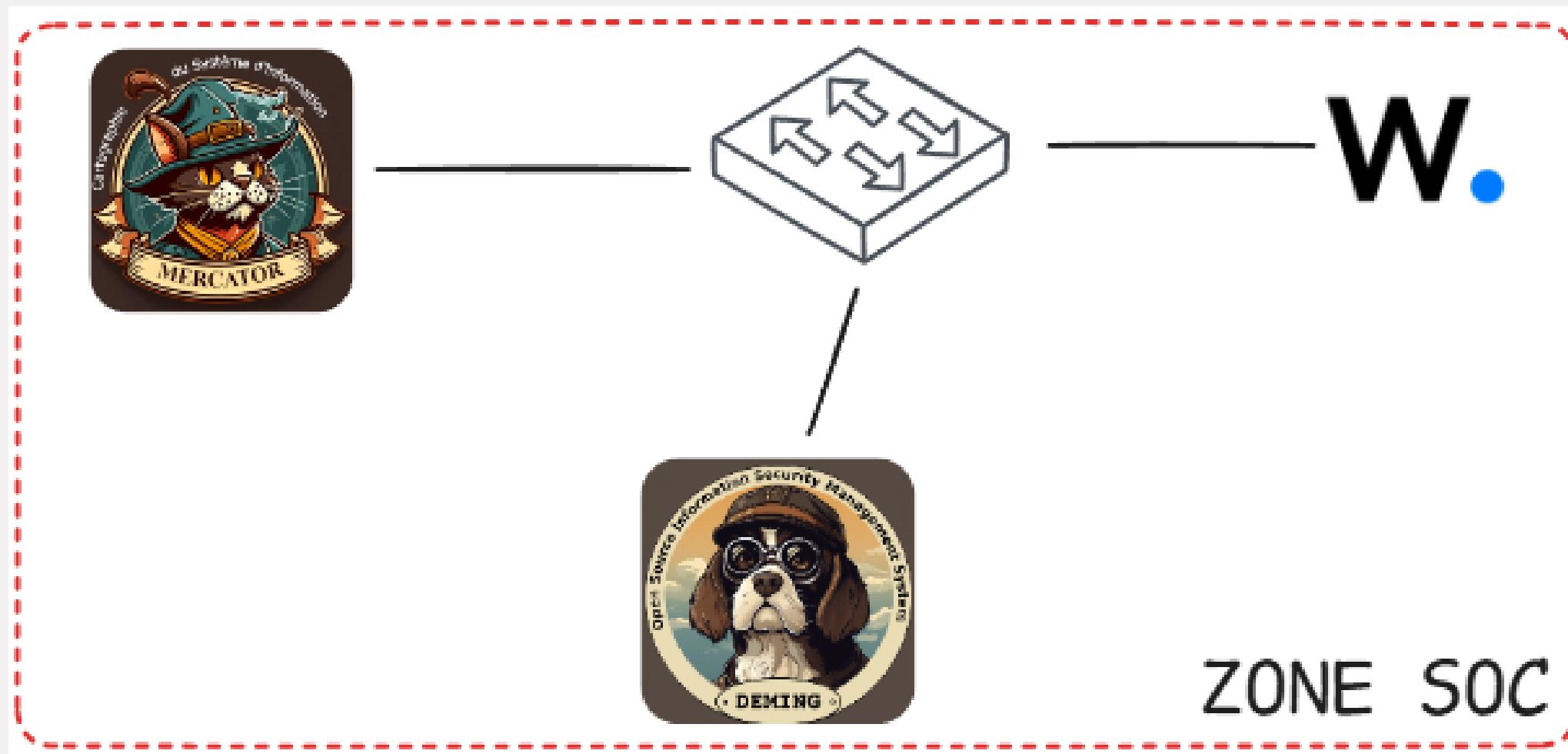
Division by zone



- 1 **SOC Area :**
Incident monitoring and management
- 2 **Service Area :**
Gestion des données et services
- 3 **Front Area :**
User interface and customer services

02

Security Operation Center



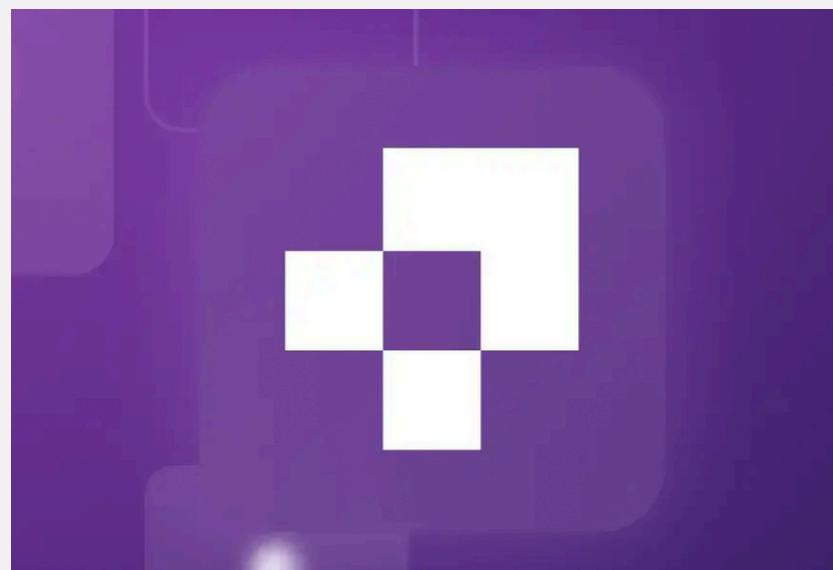
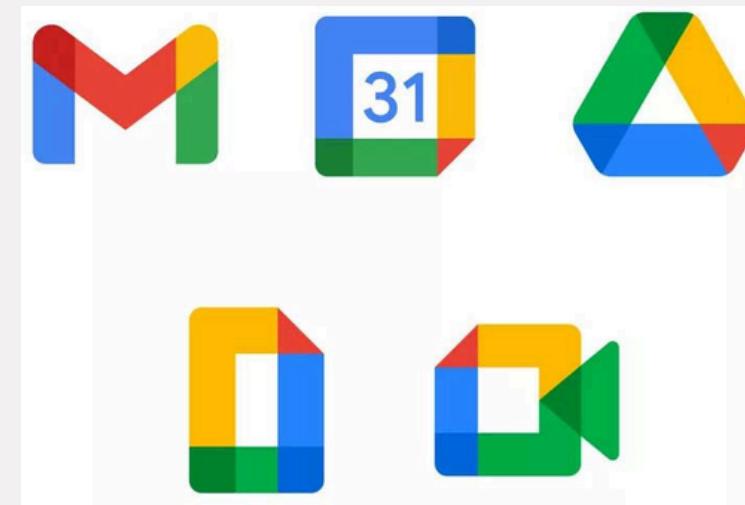
Security Operations Center (SOC), responsible for monitoring, analyzing, and responding to incidents.

- ✓ *Select monitoring tools*
- ✓ *Define threat detection procedures*
- ✓ *Train staff for a quick and effective incident response*

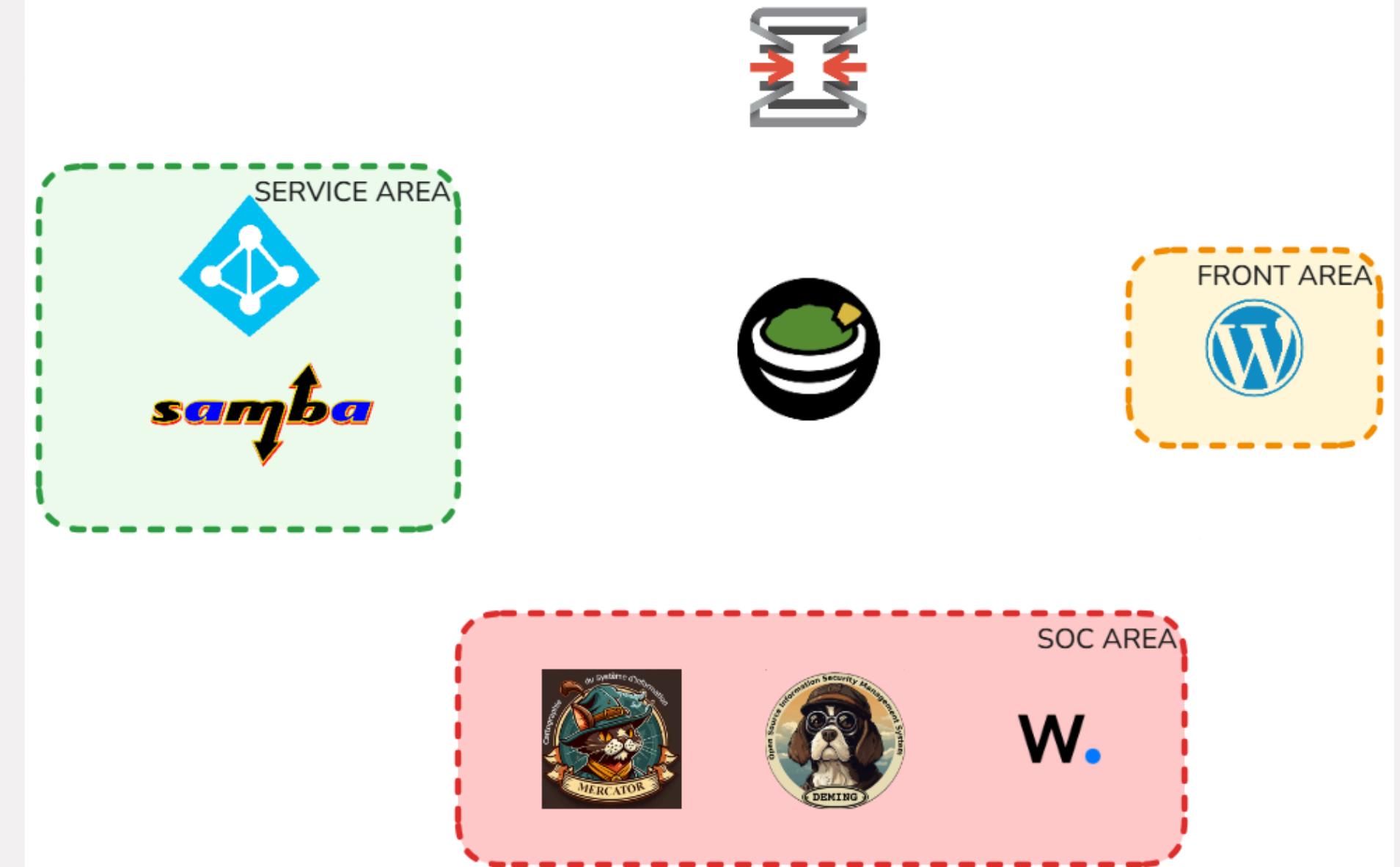
03

Tools used

Communication and writing



Final topology



04

Security audit

Objective

Identify vulnerabilities to strengthen security.

Audit of Active Directory with Ping Castle



Remediations

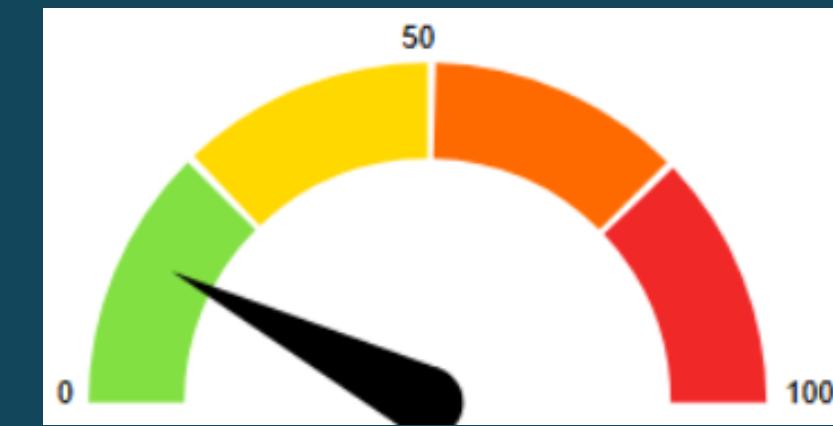
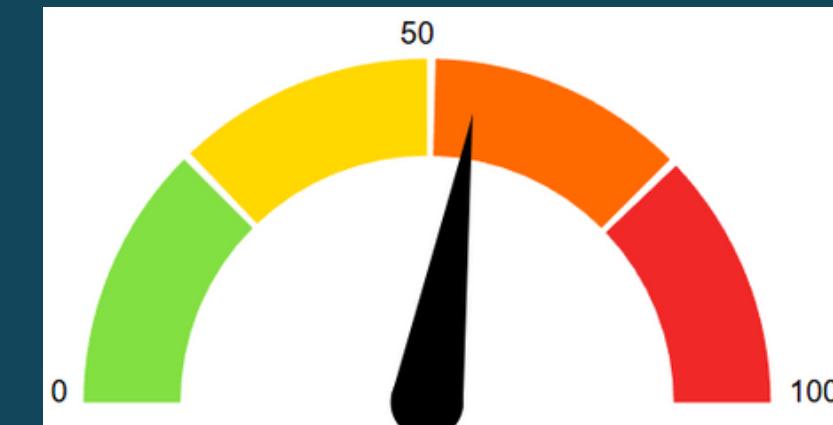
Close vulnerabilities to achieve a low vulnerability rate.

Remediation with Harden AD



Result

55% to 15%



Governance et compliance

ISSP

Information Systems Security Policy

- Compliance adherence
- Define equipment management
- Striving for ISO 27001 certification

Charter

IT Charter addressed to employees: standards to follow within the company for data security

- GDPR Compliance
- Striving for ISO 27001 Certification

Guide

Best practices guide to help users with their password creation and management

- Compliance with standards
- Effective management

Issues faced

Teleport Bastion:

- Setting up the bastion, certificate issue, integration with Active Directory

→ Solution: Apache Guacamole

Wazuh:

- Agent on Windows PCs

Hardening:

- Minimize the vulnerability rate as much as possible

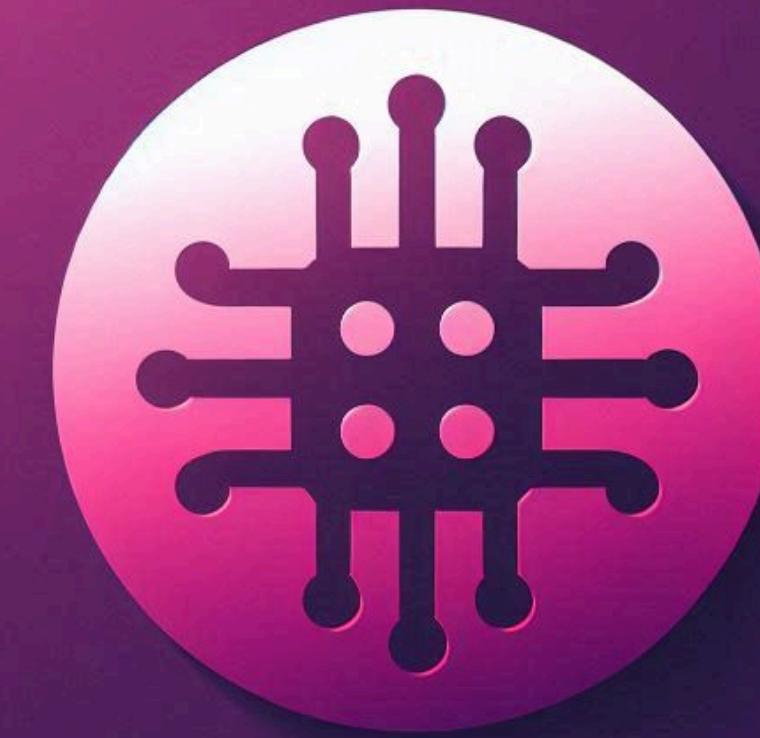
Mercator & Deming:

- Understand the functionality



year 2025

Thank you for
listening



dorodata