

Foundational and Essential	Visibility and Vigilance	Harden and Monitor	Verify and Certify
<div>Asset Management: Gain a thorough understanding of IT systems like servers and computers, and their role in business processes and value chains.</div> <div></div>	<div>Threat Detection, Monitoring and Response: Implement Endpoint Detection and Response (EDR) software for computers and servers.</div> <div></div>	<div>System Hardening: Remove all unnecessary services and features from all used technologies, especially if they are remotely accessible. Restrict and harden the remaining services on a technical level to be as restrictive as possible (service hardening, attack surface minimization).</div> <div></div>	<div>Exposure and Risk Management: Identify key suppliers and third-party vendors in your supply chain, assess cyber security risks in the supply chain, and develop mitigation strategies for supply chain risks to ensure business continuity.</div> <div></div>
<div>Network and Endpoint Security: Apply proper network security controls such as service, network, and endpoint firewalls, and implement endpoint protection software to safeguard devices (Workstation, Server and Mobile devices).</div> <div></div>	<div>Threat Detection, Monitoring and Response Expand EDR to XDR: Implement Identity and Cloud Detection and Response capabilities.</div> <div></div>	<div>Application Portfolio Management (APM): Allow only approved software, software libraries, and scripts to run on your systems.</div> <div></div>	<div>Business Continuity and Disaster Recovery (BC/DR): conduct disaster recovery exercises to test and improve your plans.</div> <div></div>
<div>Identity and Access Management (IAM): Enable Multi-Factor Authentication (MFA) for all SaaS services, and ensure remote devices connect to the company's infrastructure only through VPN + MFA or other strong authentication and encryption methods.</div> <div></div>	<div>Logging and Monitoring: Set up centralized logging, prioritizing critical systems.</div> <div></div>	<div>Identity and Access Management (IAM): Implement single sign-on (SSO) to streamline access management.</div> <div></div>	<div>Threat Detection, Monitoring and Response: Conduct incident response exercises to test and improve your plans.</div> <div></div>
<div>Patch Management: Plan and implement an effective process for installing critical security updates to all technologies (OS, infrastructure devices, and software updates). Prioritize internet-facing assets.</div> <div></div>	<div>Threat Detection, Monitoring and Response: Get a managed detection and response service from an MDR provider or partner for continuous monitoring and response.</div> <div></div>	<div>Business Continuity and Disaster Recovery (BC/DR): Set up immutable backups for critical systems.</div> <div></div>	<div>Security Awareness and Training: Implement regular phishing exercises for employees to enhance awareness.</div> <div></div>
<div>Collaboration Protection: Implement collaboration protection (Email, Cloud Storage, Collaboration platform) software to secure communications.</div> <div></div>	<div>Exposure and Risk Management: Implement exposure management solution/service for comprehensive risk assessment, linking vulnerabilities and misconfigurations to identify attack paths and providing visibility into devices, identities, and cloud environments.</div> <div></div>	<div>Network Security: Deploy network segmentation based on asset purpose and criticality (e.g. accounting systems, sensitive data).</div> <div></div>	<div>Compliance and Governance: Implement and maintain an Information Security Management System (ISMS) to establish a systematic approach to managing sensitive information, ensuring confidentiality, integrity, and availability, and aligning with standards like ISO 27001 for improved risk management and compliance.</div> <div></div>
<div>Business Continuity and Disaster Recovery (BC/DR): Set up regular backups to ensure data recovery.</div> <div></div>	<div>Software Asset Management: Develop a comprehensive understanding of software applications and licenses, and their impact on business operations and compliance requirements.</div> <div></div>	<div>Identity and Access Management (IAM): Privileged Access Management (PAM): limit and monitor privileged accounts.</div> <div></div>	<div>Compliance and Governance: Start obtaining certifications like ISO 27001 or SOC2 to demonstrate compliance.</div> <div></div>
<div>Endpoint Management: Apply centralized management to your servers and endpoints (workstations, mobiles) for better control.</div> <div></div>	<div>Threat Detection, Monitoring and Response Get incident response retainer service to ensure the availability of qualified incident responders.</div> <div></div>	<div>Identity and Access Management (IAM): Implement Zero Trust architecture: no user, device, or system should be trusted by default, enforcing strict identity verification and continuous monitoring for every access request, regardless of whether it originates inside or outside the network perimeter.</div> <div></div>	<div>Threat Detection, Monitoring and Response: Conduct a purple team exercise to test and improve your security posture.</div> <div></div>
<div>Data Protection: Encrypt your endpoints and sensitive data at rest to protect against unauthorized access.</div> <div></div>	<div>Threat Detection, Monitoring and Response: Implement advanced network traffic monitoring to detect anomalies.</div> <div></div>	<div>Identity and Access Management (IAM): Enforce remote session timeout to reduce the risk of unauthorized access and, if possible, set up a passwordless environment for enhanced security.</div> <div></div>	<div>Compliance and Governance: Regular Audits and Assessments - conduct independent reviews of your cybersecurity posture.</div> <div></div>
<div>Identity and Access Management (IAM): Minimize the number of admin accounts on all systems and services, including endpoints.</div> <div></div>	<div>Threat Detection, Monitoring and Response: Establish SIEM capabilities, prioritizing critical systems for better threat detection.</div> <div></div>	<div>Threat Detection, Monitoring and Response: Create detailed incident response plans and playbooks for various scenarios.</div> <div></div>	
<div>Policy and Compliance: Define acceptable use policies for how employees need to use company devices, networks, and data.</div> <div></div>	<div>Threat Intelligence: Leverage threat intelligence to stay ahead of emerging threats.</div> <div></div>	<div>Data Protection: Categorize data by sensitivity to apply appropriate protections and implement Data Loss Prevention (DLP) solutions to prevent data exfiltration.</div> <div></div>	
<div>Security Awareness and Training: Train employees on cyber security hygiene and recognizing and responding to cyber threats.</div> <div></div>		<div>Data Protection: Implement a Data Encryption Everywhere strategy to ensure that all data is consistently encrypted, both at rest and in transit.</div> <div></div>	
<div>Policy and Compliance: Identify laws, standards, regulations (e.g. NIS2) and contractual agreements to which you must adhere.</div> <div></div>			