

NNIT Cybersecurity

A new threat landscape requires a new approach



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Conscience driven. Value adding



Effective cybersecurity is not about spending more money.

It's about aligning your security initiatives with the threats and priorities for your business in order to protect it from financial and reputational damage.

NNIT

NNIT Cybersecurity

A comprehensive cybersecurity portfolio

In today's business climate, companies face three security challenges: finding the right level of IT security; managing changing risk scenarios arising from trends such as Internet of Things (IoT), mobility and cloud; and combating increasingly sophisticated cyber threats. In addition, rigorous new legislation, such as the EU General Data Protection Regulation, continually drives the need for dedicated cybersecurity initiatives.

NNIT is a full range cybersecurity provider with a long and proven record of accomplishment. With deep roots in the pharmaceutical industry, we are highly experienced in delivering compliance management, servicing heavily regulated industries, and providing comprehensive business continuity management.

We provide end-to-end security services tailored to all customers - and offer a broad portfolio of cybersecurity services from security assessments, compliance advisory and building security awareness to specialized services such as critical systems security, application testing and IoT.

One of our key focus areas is to identify and secure critical customer data and infrastructure. As both supply chains and intellectual property become digital, the need to protect critical systems and data is imperative to ensure the reputation and continuity of the business. Our specialized teams leverage their extensive experience and expertise to help your business address its unique cybersecurity risks.

Read on to learn how our cybersecurity services can help your business stay compliant, secure, and future-ready.

Best regards,

Esben Kaufmann
Director - Cybersecurity,
NNIT

NNIT Cybersecurity Core Principles

1

NNIT IS A FULL RANGE CYBERSECURITY PROVIDER

We provide end to end security services suited to all customers.

2

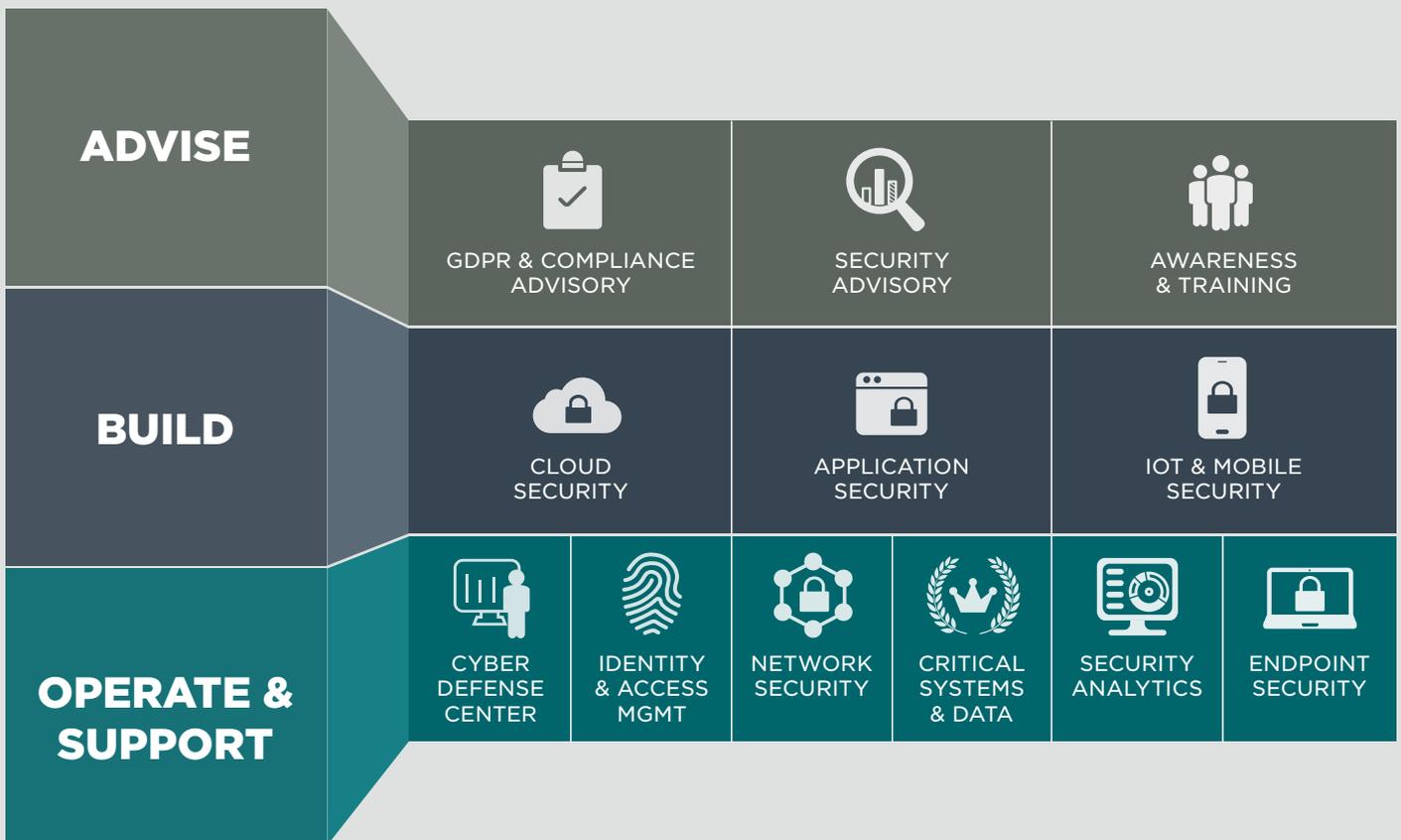
COST EFFECTIVE SECURITY

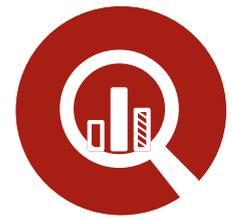
We take pride in ensuring that we deliver the right level of security, tailored to each customer.

3

PROTECTING BUSINESS CRITICAL SYSTEMS

We specialize in protecting our customers' business critical systems, and safeguarding business operations.





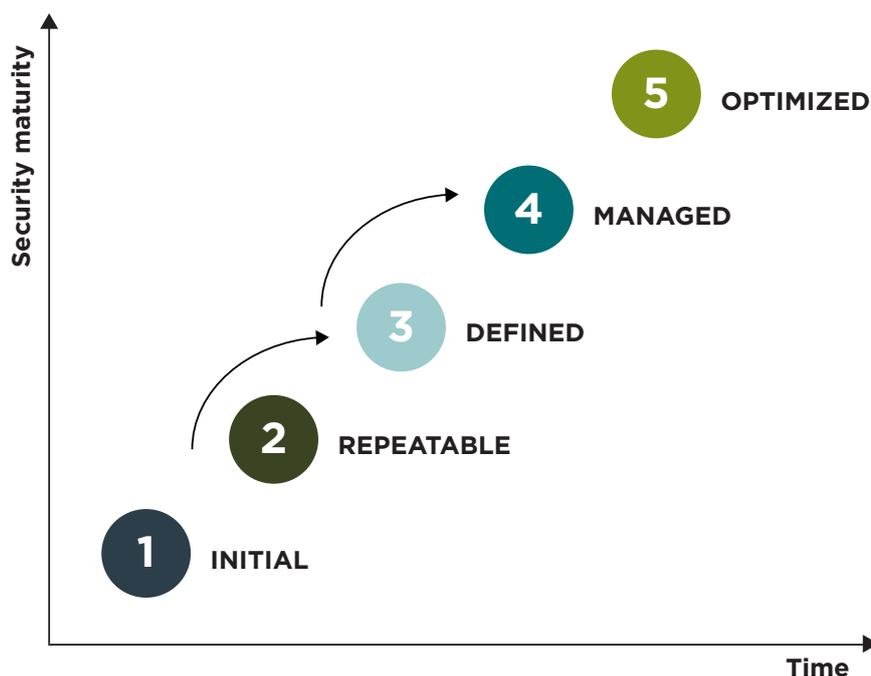
Security Advisory

Mapping out your route to effective security protection

Although you may be aware of the need to increase your cybersecurity, it may not be clear where to start, what activities to launch, or how to prioritize them. Without a clear direction, initiatives can become misplaced, unstructured, and ultimately fail to achieve the desired reduction in your organization’s risk profile.

Leveraging our extensive knowledge and expertise from consulting and security activities, we offer a unique range of security advisory services. We begin with an initial security assessment to help you gain an understanding of your current threat landscape, pain points, and desired risk profile. We then work with you to develop a roadmap for implementation of identified security initiatives – taking into account all aspects of the security landscape; including people, processes and technology areas.

You will benefit from full access to our team of both consultants and technical subject matter experts throughout your journey to achieving optimized cybersecurity operations.



GDPR & Compliance Advisory



Staying on top of regulations and industry requirements

At NNIT we have vast experience of working with compliance consultancy across heavily regulated industries that handle highly sensitive data - from GxP quality guidelines and regulations to sector-specific regulatory standards such as the Sarbanes-Oxley Act.

We use this experience to work with new regulations such as the EU General Data Protection Regulation (GDPR), which requires all private businesses and public authorities to implement a level of IT security sufficient to protect personal data processed in the organization. Specifically, it requires an assessment of an organization's security level to identify any possible risks.

To assess your organization's data protection level and the risks associated with processing personal information, it is necessary to map all relevant business processes, data types, data flows, systems, and external data providers.

NNIT has developed the Privacy Impact Evaluation Tool (PRIME) to help you meet the requirements of GDPR and prevent new threats posed by digitization. PRIME maps your data flows and provides an overview of where your most sensitive information is located logically and physically. PRIME also documents how well your sensitive information is protected in both processes and systems so you can comply with GDPR by detecting and correcting any weaknesses.

Security Awareness & Training



Employees are your first line of defense

Cybersecurity leaks frequently start with the organization's weakest link; its employees. Seemingly innocent actions such as use of non-company approved USB sticks, clicks on links or attachments in malicious e-mails, or connecting to public Wi-Fi networks can all compromise security.

However, with proper education and training, your employees can become your organization's strongest line of defense.

Security awareness is essential to creating a long-lasting culture of security, where employees not only understand, but also act in accordance with good security practices – and take the right defensive actions against threats. Security-conscious behavior must be a natural and integrated part of the working day to obtain a secure organization.

At NNIT, we believe that correct employee behavior is vital for the success of security initiatives and we have a great deal of experience in supporting clients to build strong first lines of defense through activities such as stakeholder engagement, training courses, simulated phishing exercises, e-learning, and a steady stream of awareness messaging.

Quality is the core of our business

Being a company born within the pharmaceutical industry ensures that the elements of quality, compliance and security are a natural part of our DNA.

We understand the importance of delivering the right level of security protection to provide our customers with peace of mind, so they can focus their efforts on core business activities.

Cloud Security

Securing your data in the cloud



One of the biggest deterrents for companies looking to migrate to the cloud is a concern over cloud security. While no IT investment or transformation is without risk, cloud computing can be an attractive, agile, and cost-effective alternative to traditional IT solutions – provided that you take appropriate steps to ensure cybersecurity.

To help ensure a smooth transition to the cloud, NNIT offers a range of cloud security advisory services to help you identify and mitigate any security risks.

Our Cloud Security Decision Model helps you assess any security aspects of solutions or services considered for cloud migration. The model investigates the security aspects of both the cloud service provider and their associated solution, and allows you to migrate securely to the cloud.



Application Security



Is your business-critical data secure?

Cyber threats have never been as diverse as today, and every week new threats arise. Hackers intentionally target the weakest point of organizations, and very often look to exploit vulnerabilities in applications.

In the era of digital transformation where everything is connected, the need to secure applications that access business-critical data is higher than ever. It is no longer enough to simply rely on outside controls such as firewalls.

Applications must have built-in security controls to withstand current cybersecurity threats and should undergo regular security testing to ensure that they live up to specific security standards. Even applications that do not access critical assets are still very important in preventing attackers from gaining backdoor-access to other critical assets within your organization.

NNIT's team of expert consultants within application security and data protection are ready to help you find and fix vulnerabilities by:

- Application penetration testing
- Training your developers in application security principles
- Providing application security coaching to help your development team implement software security development lifecycles
- Providing general application security design and implementation advisory such as single sign-on solutions, privacy by design, threat modeling, and design review.

IoT Security

Managing threats in an increasingly connected world

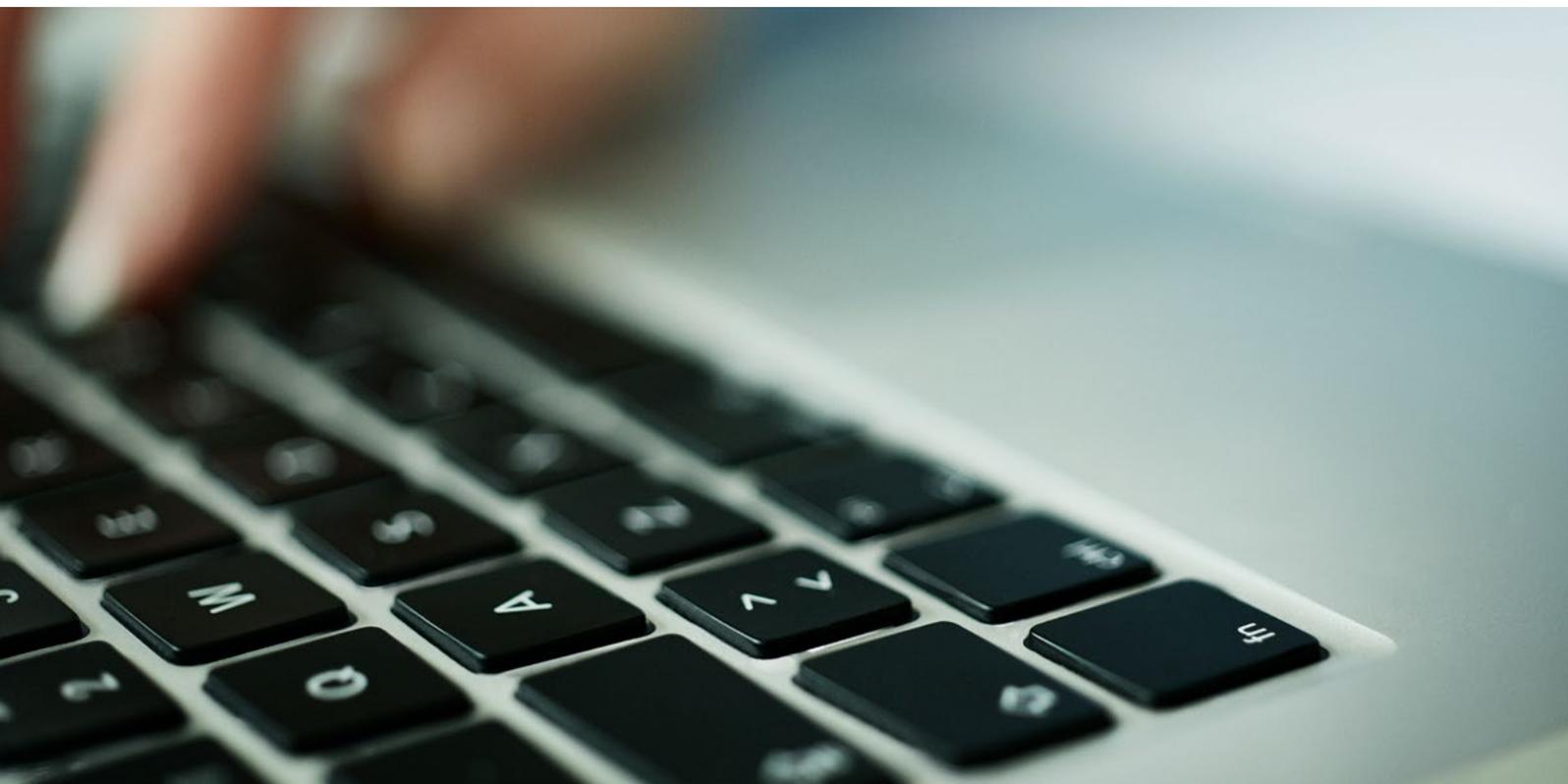


As everything and everyone become interconnected through IoT, it is imperative to safeguard both networks and devices. Connected machines play an increasingly important role in modern manufacturing and supply chains, and the need for secure machine-to-machine interaction is greater than ever.

If your digital infrastructure is dependent on the use of IoT devices, it is important to conduct risk assessments of both your hardware and software. Default passwords must be changed, and patching strategies must be in place.

To help you stay secure and compliant, we have a team of specialized IoT security consultants ready to help you with:

- Penetration testing
- Training your developers in application security principles and IoT lifecycle management
- Providing application security coaching to help your development team implement software security development lifecycles
- General security design and implementation advisory such as privacy by design, threat modeling and design review.



Identity & Access Management



Who has access to your confidential data?

The increasing adoption of technology in both business and personal spheres is leading to vastly complex security reservations. Consequently, it is becoming increasingly difficult to maintain control of data and access. As a result, organizations become more vulnerable to security threats, and generally less efficient.

The advancement of cloud-based services presents new challenges and opportunities for managing user identities and access. For this reason, it is vital that processes and policies exist to provide the right people with the right access at the right time - in a secure, compliant, and auditable manner.

Identity and Access Management processes grant users controlled access to applications, systems, and files. Unstructured data, however, falls outside this category and must be addressed specifically. The amount of unstructured data is growing exponentially and is found in all documents, pictures, emails, and a number of other data repositories. With legislation such as the EU General Data Protection Regulation (GDPR), unstructured data represents a huge risk to organizations.

NNIT can support you on your journey to establishing the policies, processes and the right IAM systems to help you safely administrate and protect your IT infrastructure and sensitive information assets in the future.

Network Security

Protecting the usability and integrity of your network and data



Modern cyber security threats revolve around usage of network, and compromises of IT systems and exfiltration of data are usually carried out via networks.

NNIT leverages Network Intrusion Detection & Prevention Systems to help you prevent compromises by monitoring network traffic. They can be setup to deny known malicious network traffic and alert you to any suspicious patterns. The systems provide unique insights into network traffic and make it possible for cyber security teams to spot malicious data on the move.

The software intercepts indicators-of-compromise and generates alerts for further investigation. These are then forwarded to specialists in the NNIT Cyber Defense Center for examination and remediation. To improve their effectiveness even further, the systems are usually combined with other services from NNIT Cyber Defense Center to help secure the networks in your organization.



Endpoint Security



Protecting all your mobile devices

Imagine highly secret blueprints of a newly developed cash-cow device being stolen; laptops with top secret data lost outside your company; or sensitive HR data stolen, leaked or used as blackmail. The financial impact of such events would no doubt be significant.

Client end-points are exposed to internal and external threats daily and a proven end-point security solution is needed to cope with these challenges. Data can and should be limited to only those who are authorized to access it.

Through our centralized management infrastructure, we provide a traditional end-point security solution that protects clients from threats using daily updated software. We also offer enhanced security solutions by including other software features such as Host Based Intrusion Prevention.

Our specialist security consultants provide a range of end-point security solutions such as:

- Centralized infrastructure to manage all installed agents
- Encryption of files, drives, and removable media
- Overview of devices connected to your network
- Alignment of security to the differing needs between clients and servers
- Insight into infrastructure risk and status through monthly reporting on recorded incidents and end-point software status.

Critical Systems & Data



Safeguarding what matters most

Not all your belongings are equally valuable. That is why the padlock on your tool shed is easier to break open than the lock on your safe.

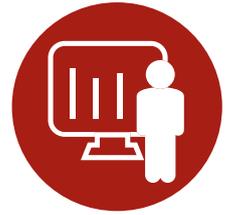
The same can be said for your computer systems and data. Although computer and network security is still important, breaches will inevitably occur – no matter how much you invest in perimeter security. So how do you protect the data, integrity and availability of business-critical systems?

Many production environments struggle with an increasingly complex IT platform and landscape. NNIT has vast experience and valuable knowledge of securing production lines and warehousing – also in recent years from securing NNIT's own data centers. We can assist you in developing the right security strategy, designing OT-security architecture, and translating high level guidelines into practical and affordable security installations.

Our specialist teams are experts in identifying critical systems and data, and designing advanced, layered security mechanisms that protect against both external and internal threats. We have proven experience in designing and implementing advanced security controls for information systems, operational technology, and data and custom applications. All of these work together to keep your critical systems and data secure.

From our years of experience in protecting business critical systems and data for some of the R&D heaviest companies in Denmark, NNIT has designed a comprehensive approach to critical systems security.

Cyber Defense Center



Let NNIT be your first call

Advanced cybersecurity threats and attacks have fundamentally changed the way organizations prioritize and invest in IT security. While preventing attacks is still the primary strategy for securing an organization, breaches will inevitably occur. This makes the need for fast and effective breach detection and response more important than ever.

With the increasing attack sophistication comes increasing detection complexity. Breach detection and response are high-complexity tasks, requiring skilled and experienced security professionals who are both hard to come by and expensive to keep on 24/7 rotation.

Expand your existing protection with true enterprise-class detection and response capabilities with NNIT Cyber Defense Center - one of only a few non-state owned certified CERT teams in Denmark. This will provide you with world-class experts on call to assist you with security needs 24/7.



Security Analytics

Utilizing your data to build your defenses



One of the most efficient weapons against intruders in the current IT infrastructure climate is the ability to gather data and provide an intelligent overview of where to build your defenses.

Security Analytics plays a vital part in securing daily business continuity. By examining various sources of information from your whole infrastructure, the NNIT Security Analytics Service extracts the most important information needed to protect your IT infrastructure.

We utilize our team's vast experience and expertise in the modern threat landscape to assist you in data mining and allow you to gain insights into otherwise unseen communications in the digital landscape. Whether your organization needs basic logging, compliance logging (motivated by GDPR regulation) or a full-scale, proactive Security Analytics logging service; NNIT has the experts to assist you.



About us

IT advisory, development and outsourcing

We are passionate people building winning teams with our customers. With deep roots in the pharmaceutical industry, we supply services that meet the highest requirements for quality, security and standardization.

NNIT is one of Denmark's leading consultancies in IT development, implementation and operations. For over a decade, we have applied the latest advances in technology to make software development, business processes and communication significantly more effective.

NNIT's service offerings include advising, building, implementing, managing and supporting IT solutions and operating IT systems for customers.

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