

BROCHURE

Create your pristine data lake

Eliminate risk and ensure
data confidentiality with
NetApp solutions.



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Tomorrow's battlefields will be digital

Increasing digitization and the rise of networked technologies offers new insights but presents more and more of a challenge for IT security in the defense sector. When every device also serves as a potential entry point for malicious actors, minimizing risk becomes extremely problematic.

National militaries face an even tougher task than most, as state actors frequently make speculative attempts to gain access to classified military and defense data, and are able to leverage highly sophisticated techniques.

When having data corrupted, spied upon, or stolen can have national security implications, putting strong data security and governance systems in place is vital. We can help the German Armed Forces avoid these outcomes, as well as stay compliant with increasingly complex data regulations.

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Actual adoption of data security in the defence industrial base remains poor. This can be attributed to the nature of the data that needs to be secured and the size [of the issue.]

Source: [Hunter Defence](#), 2022

Classified means classified

Data security in the defense sector is a long-standing and constant concern. Stolen data, denial of service attacks, or the risk of falling victim to manipulated information are just some of the ways operations can be disrupted. The protection of classified technical data or intelligence is a key priority in maintaining a strategic advantage over potential adversaries.

Concern over applying appropriate procedures can be seen in the ever-increasing enforcement of regulation and standards like General Data Protection Regulation (EU GDPR), German Federal Data Protection Act (BDSG), ISO 27001, and the EU Cybersecurity Act. Staying compliant with these regulations is becoming an increasingly complex issue.

93%

Global increase in ransomware attacks in 2021, with more than 1,200 organizations falling victim to a ransomware attack every week

Source: [Check Point, 2021](#)

\$43.6 billion

Projected value of the global military cybersecurity market is by 2031

Source: [Global News Wire, 2021](#)





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Resilience through vigilance

Public sector organizations like the German Armed Forces are unique in that they often need to maximize security across widely spread, borderless networks. It's why 360-degree visibility and the ability to continuously monitor IT real estate in real time is absolutely crucial.

Better connectivity and visibility allows for secure identification and faster access for deployed troops whether at base or in the field. However, building these capabilities requires insight into your current security landscape and an understanding of which operational processes and data capabilities are most critical. Appropriate security processes and protocols are essential to promote trust that mission data is kept confidential. Above all, you need a digital ecosystem where information security is ensured from end-to-end through multilayered protection systems such as encryption, authentication, and a Zero Trust framework.

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Globally, government organizations are now one of the most popular targets for bad actors, second only to those in the education and research sectors.

Source: *Check Point, 2021*

How NetApp can help

Data availability, integrity, and confidentiality are of fundamental importance for the German Armed Forces. From increasing the effectiveness of armed forces on the digitalized battlefield to enhancing internal administration, comprehensive and sustainable information security guarantees are required. NetApp can help you build them.



Detect and prevent threats

Effective data analysis lets you detect and fend off critical threats such as ransomware in real time. We can place a Zero Trust framework around your data and deploy AI-based automatic data classification and anomaly detection to monitor and analyze data access patterns and identify suspicious activities.



Constant availability

We can help you manage data protection across applications, databases, and file systems. We deliver simple, efficient, and secure backup and restore capabilities for protection, and long-term archive of your data. With a proven replication technology and complete automation and orchestration, data can be easily restored at any time and to anywhere, ensuring continuity, and minimizing disruption.

Ready for next-generation data protection?

Contact NetApp



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