G DATA CyberDefense AG

Securing a Digital Future.

G DATA

1ST_{IN} CYBER DEFENSE

Attachment or attack?

WE ARE READY.

The digital future is full of opportunities – however, malware, cyberattacks, backdoors, and industrial espionage abound. G DATA prepares you optimally for these cyber threats with end-to-end **IT security solutions and services**. Working from Germany, more than 500 employees ensure the digital security of companies, critical infrastructures (CI) such as hospitals and airports, and millions of end customers around the world.

The Threat of Cybercrime

Digitalization permeates all aspects of life, industries, companies, and social classes worldwide – with a growing number of opportunities and possibilities also come more threats. Cybercriminals break into accounts, steal trade secrets, and extort companies and authorities. However, having to deal with such dangers can be a distraction from the real goals. This delays every attempt at progress and can even snuff it out entirely. We have made it our business to take action against this.

$3.86 million average total cost of a data breach.*

315 days average time to detect and contain a data breach caused by a malicious attack.*

Every 7.5 seconds a new infected Android app is detected.**

*Source: Cost of a Data Breach Report 2020, Ponemon Institute
**Source: G DATA Security Labs

Our Mission

Our mission at G DATA CyberDefense AG is to offer a comprehensive defense mechanism against cybercrime. After all, we need digital security in order to keep our digital lives free and independent. We firmly believe that there cannot be progress without digital security. In the face of the ever-growing trend toward digitalization – and all of the associated consequences – only those who are free of the risk of cyber threats can act independently and successfully focus on their goals.

For this reason, we use our knowledge, our digital expertise, and our pioneering spirit to create the ideal conditions for progress to take place. We work on answers to the digital challenges that companies and consumers will have to face down the road, and train people who will use their knowledge, ideas, and work to continue to ensure a digitally secure future. By combining this with our 35 years' experience in digital technology, we are laying the foundations for a successful and independent digital future – in Germany, in the E.U., and throughout the entire world.

"More than 30 years after the release of the first antivirus software, G DATA has become one of the top players in the world of cybersecurity.

G DATA CyberDefense AG protects the digitalization dividend of companies with an integrated security portfolio."

Andreas Lüning
Antivirus inventor and board member of G DATA CyberDefense AG
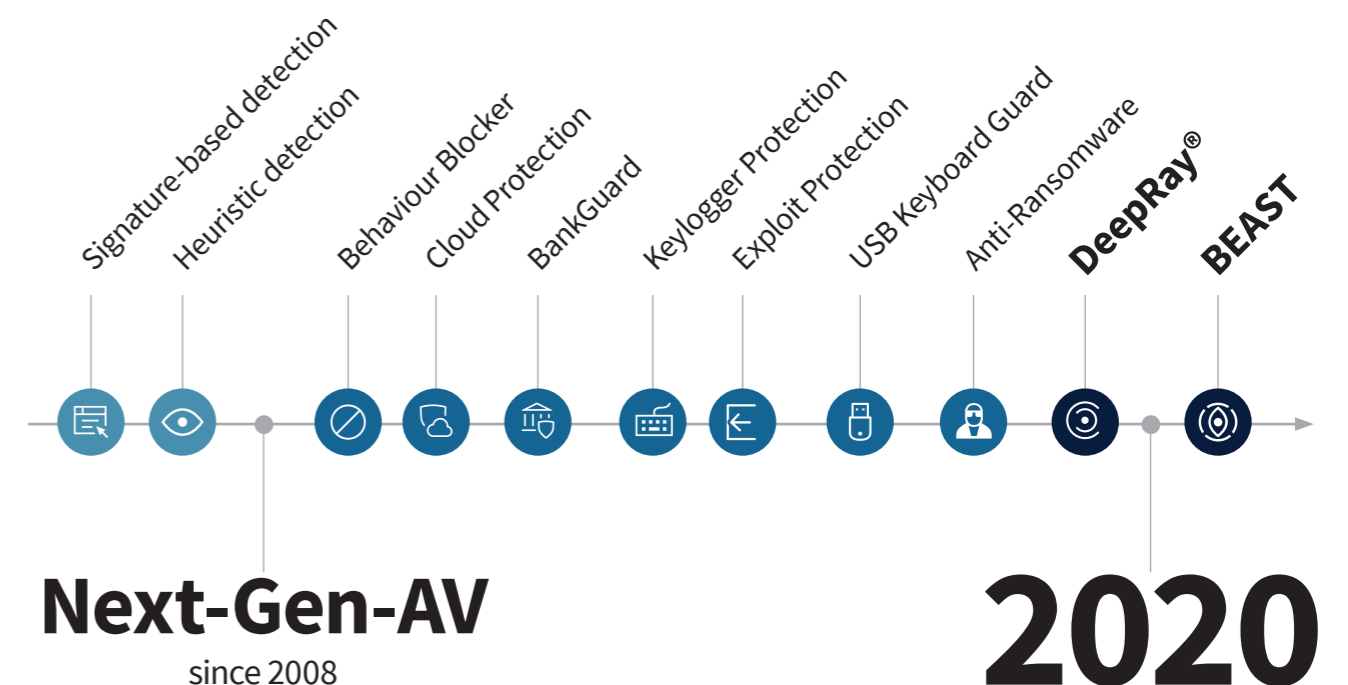
Comprehensive · Cybercrime Protection · Comprehensive · Cybercrime Protection

We make it possible for our customers to defend themselves thanks to comprehensive CyberDefense solutions, services, tailored concepts, and digital strategies: We uncover vulnerabilities in networks, advise SMEs, and develop award-winning IT security software. We train employees in IT security, protect entire corporations from cybercriminals, and rally against cyberattackers in IT emergencies. We are available for our customers around the clock.

Strong Tech, Strong Software

Our IT security software is based on the latest discoveries in security research, combined with more than 30 years' digital expertise. G DATA developed the world's first antivirus software in 1987. Today, we combine advanced, signature-based defense techniques with proactive and dynamic next-generation technologies to offer customers maximum protection. Our proprietary Exploit Protection reliably protects against dangerous exploits and zero-day attacks, for example. Thanks to the integrated anti-ransomware, even blackmailer malware does not stand a chance.

However, a clever tactic of cybercriminals is to camouflage the same malware over and over again. Our DeepRay® technology, which we developed after years of research, is based on the principles of artificial intelligence and detects this covert malware. And BEAST, our latest technology, protects you from new and previously unknown malicious software. Unlike traditional behavioral analyses, BEAST records all system behavior in a graph, and therefore provides a holistic view and detects and immediately stops malicious processes.

Signature-based detection · Heuristic detection · Behaviour Blocker · Cloud Protection · BankGuard · Keylogger Protection · Exploit Protection · USB Keyboard Guard · Anti-Ransomware · DeepRay® · BEAST

Next-Gen-AV
since 2008

2020

"Cybercriminals are constantly working to avoid detection by antivirus software using more and more tricks. For example, malicious behavior is divided between several processes. Conventional behavior blockers barely recognize such complex relationships. BEAST closes this recognition gap."

Thomas Siebert
Head of Protection Technologies, G DATA CyberDefense AG

Excellent Advice from
IT Security Specialists

We draw on our experience from complex cybersecurity projects when advising companies and institutions. We have effectively helped victims of cyberattacks and have successfully ensured the maintenance of operations through targeted defense measures over the course of numerous incident-response services. Gained in over more than 30 years of business, our unique malware expertise enables us to perform a detailed analysis of malware, which allows us to assess the intentions of cyberattackers, among other things.

Upon request, we can also put IT infrastructures to the test. It is just as possible to perform basic vulnerability analyses as it is to conduct standard penetration tests or simulated realistic cyberattack methods including the use of social engineering. Our wide range of services are rounded off by consulting and security concepts, emergency preparedness as well as the development and programming of customized solutions for new and existing network infrastructures.

Qualified
APT Response
Service Provider

Confirmed by the Federal Office for Information Security (BSI)

Experts in defending against APT attacks

Germany's Federal Office for Information Security (BSI) has placed G DATA Advanced Analytics GmbH on the list of qualified APT response service providers according to § 3 of the BSI law, as one of only a few companies in Germany.

APT attacks are particularly dangerous attacks by which professionally organized unauthorized users access highly sensitive networks in order to carry out acts of sabotage or industrial espionage.

However, we do not only focus on technology, but also support companies in raising employee awareness of IT security issues. We provide an intuitive e-learning platform, which offers short online lessons that can be accessed anytime and anywhere, as a means of security awareness training. In this manner, we can significantly reduce the risk of cyberattacks through sustainable learning approaches that will not be forgotten.

Companies receive measurable figures about the success of the training through our simulations of phishing attacks. We regularly send employees simulated phishing emails and reveal the key figures through our reports: How many emails were opened? How often was sensitive data disclosed? In so doing, companies can shore up the gaps in their employees' knowledge in a targeted manner and establish security awareness.

Security Against the Human Factor

Protection Based on High-level Research

G DATA is located in Bochum, Germany, the hotspot for IT security in Europe

The Horst Görtz Institute for IT Security at the Ruhr University Bochum and the Max Planck Institute for Cyber Security and Privacy conduct high-level international research. The Ruhr University Bochum is the largest educational institution in Europe for IT security, with 1,000+ students studying IT security.

Numerous students will move on to jobs where they apply their specialist knowledge as employees at G DATA. Thanks to our good connections to science and research, our customers can always rely on having protection that is based on the latest research results.

Trustworthy and secure

Our solutions comply with the strict laws governing data protection in Germany and the E.U. and do not contain any backdoors for cybercriminals or secret service agencies.

Back in 2011, G DATA committed itself to leaving no backdoors open in its solutions. This year, the IT Security Association Germany e.V. (TeleTrusT) founded the "IT Security made in Germany" (ITSMIG) working group – an initiative that defines criteria for a quality seal for secure and trustworthy IT security solutions.

SecurITy
made
in
Germany

As an ITSMIG member, G DATA fulfills the five criteria to be allowed to use the quality seal:

① The company headquarters needs to be located in Germany.

② The company needs to offer trustworthy IT security solutions.

③ The products offered cannot contain any hidden access points (no backdoors).

④ The company's IT security research and development needs to be conducted in Germany.

⑤ The company needs to comply with the requirements of German data protection law.

Defense HQ in the Fight Against Cybercriminals

All departments of our company work at our headquarters in Bochum, the G DATA Campus. Short decision-making processes and quick responses are the successful result of this direct cooperation. We provide answers to the digital challenges of today and tomorrow from this location where we research, develop, and conceptualize ideas. We regularly welcome experts from business, politics, and research institutions to events and meetings on our campus to discuss current topics in IT security.

The service and support team are also located in Bochum – right next to the software development team. The results are outstanding customer evaluations. You can reach our experts at any time by phone or by e-mail, 24 hours a day, 365 days a year.

Learn more about
G DATA CyberDefense AG at:
gdata.es/cyber-defense