



Manuel Bach, Headf Cybersecurity or SMEs
Federal Office or Information Security / Bundesamt für Sicherheit in der
Informationstechnik

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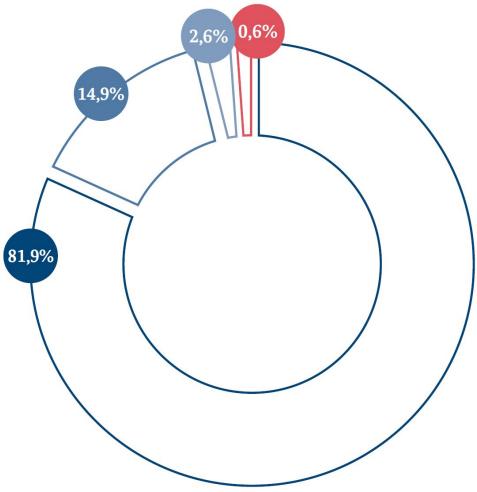






Companies in Germany by Size

Figures in Percent



- Microenterprises
- Small Enterprises

- Medium Enterprises
- Major Enterprises
- 55% of the 29.4 million employees worked in small and medium-sized enterprises
- SMEs account for 42 % of gross value added





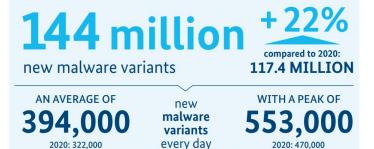


The State of IT Security in Germany in 2021: Overview





was the amount of time for which a university hospital was unable to admit emergence patients after a ransomware attack

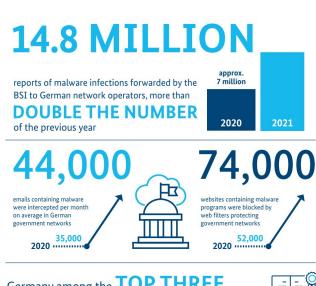




20,000 > 40,000

98% (Silver)

of all tested systems were susceptible to vulnerabilities in MS Exchange



Germany among the **TOP THREE**NATIONS in Common Criteria certificates



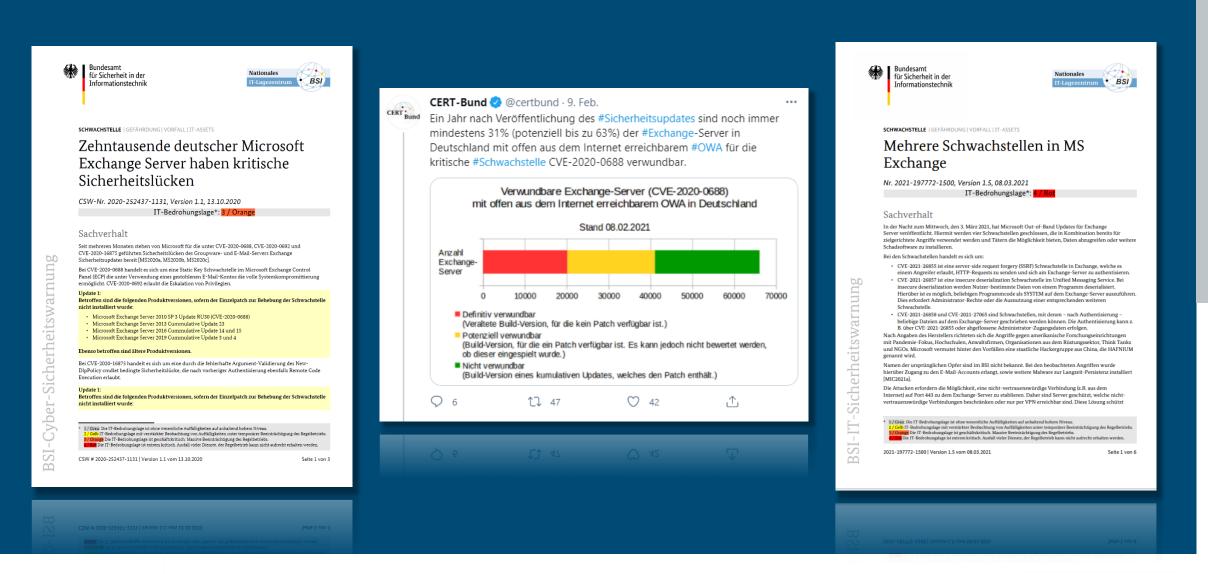
5,100 >2020: 4,400 >2019: 3,700 >2018: 2,700

<10%



still contained vulnerabilities in MS Exchange after warnings from the BSI and Microsoft







If the following statement applies to you, please raise your hand!



I have the skills necessary to operate a vacuum cleaner and clean a toilet!



I hired someone to operate our vacuum cleaner and clean our toilet!



I have the skills necessary to create immutable backups, keep all systems up to date with the latest patches, ensure secure configuration of applications, optimize firewall rules, detect network anomalies, identify, isolate and clean malware infested systems, releploy systems and apply a current backup in a timely manner!



I hired someone who has the skills necessary to create immutable backups, keep all systems up to date with the latest patches, ensure secure configuration of applications, optimize firewall rules, detect network anomalies, identify, isolate and clean malware infested systems, redeploy systems and apply a current backup in a timely manner!



Keep you systems up to date!!!



Create Immutable Backups!!!!



Phishing Attacks

Countermeasures

- Long, complex, new passwords
- A separate password per account
- Password manager
- Two-factor authentication
- Passkeys



Man really did hack Trump's Twitter account by guessing password, 'maga2020!,' Dutch prosecutors say





President Trump's Twitter account. (J. David Ake/AP)

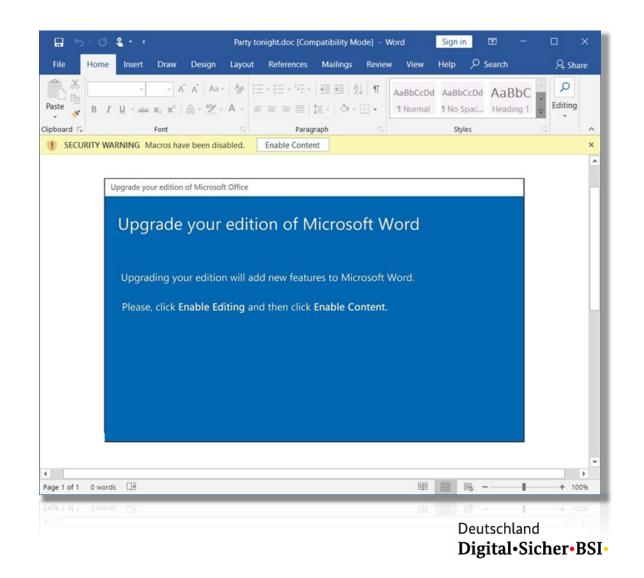
President Trump's Twitter account, (J. David Ake



Typical Attack via Macros

Countermeasure (free of charge):

- Disable the execution of macros in the Windows group policies.
- If macros are absolutely required, allow only signed macros.





Make use of the BSI!



DIN SPEC 27076:2023-02 "IT Security Consulting for Small and Micro Enterprises "



For SMEs:

- Ideal, low-threshold entry into corporate IT protection
- Substantial public subsidies (federal/state/local governments)

For IT service providers:

Free use of a web-based software provided by the BSI for conducting the CyberRisikCheck and preparing the advisory reports

For more information, visit: www.bsi.bund.de/dok/crc



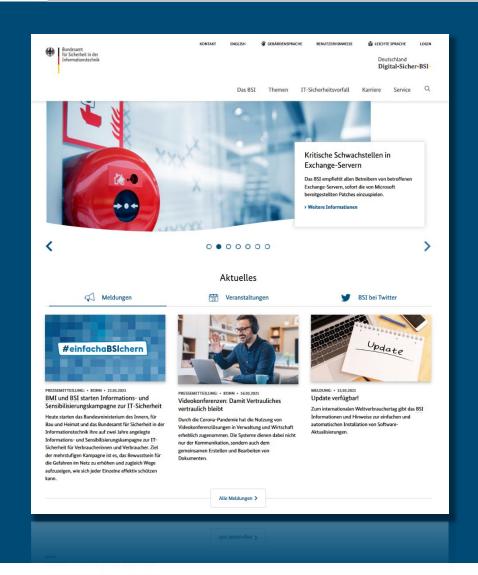


Cyber security colloquially explained at a simple level.

Cyber-Sicherheit für KMU

Die TOP 14 Fragen

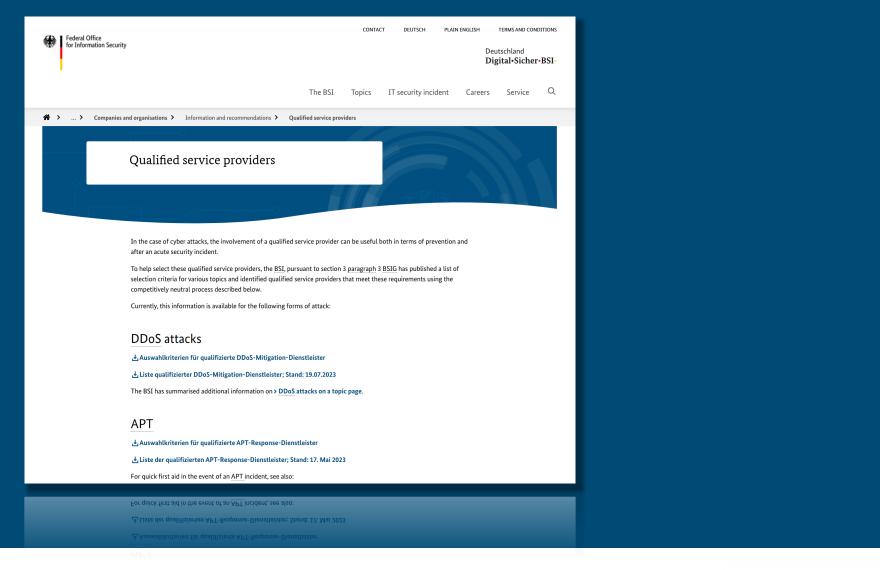




Direct link to offer for SMEs: www.bsi.bund.de/kmu

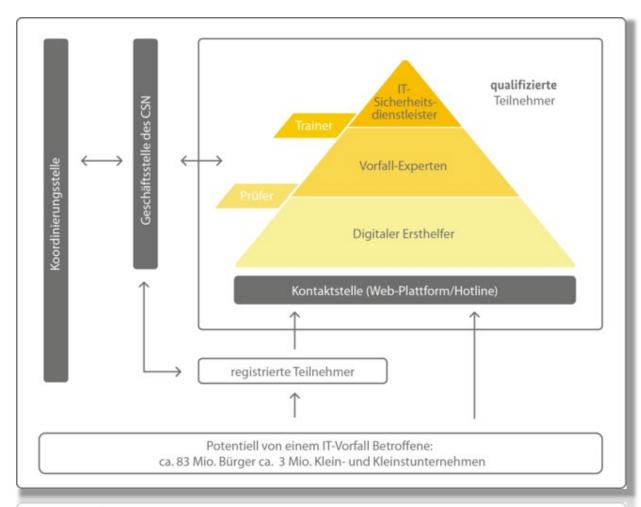
- Tips & tricks for SMEs
- Contact option for security incidents
- Subscription option for an SME newsletter







Cyber Security Network



- Affected parties receive support from qualified participants of the cyber security network following an IT security incident
- Trainers and examiners support the qualification concept and ensure the quality of the supporting service offering through training and the taking of an examination respectively.
- The cyber security network is closely interlinked with the Alliance for Cyber Security and complements its offering with its reactive service.

https://www.bsi.bund.de/Cyber-Sicherheitsnetzwerk

Potentiell von einem IT-Vorfall Betroffene: a. 83 Mio. Bürger ca. 3 Mio. Klein- und Kleinstunternehmen

Create a Network – Alliance for Cyber Security

The Alliance for Cyber Security is an initiative of the German Federal Office for Information Technology (BSI). It provides a basis for cooperation between:

- State,
- industry,
- manufacturers and
- Research

www.allianz-fuer-cybersicherheit.de





Thank you for your attention!

Deutschland **Digital•Sicher•BSI•**

Contact Information

Manuel Bach Head of Cybersecurity for SMEs (Unit WG 23) manuel.bach@bsi.bund.de

Tel. +49 (0) 228 9582 5941 Fax +49 (0) 228 10 9582 5941

Bundesamt für Sicherheit in der Informationstechnik (BSI) Godesberger Allee 185-189 53175 Bonn www.bsi.bund.de



