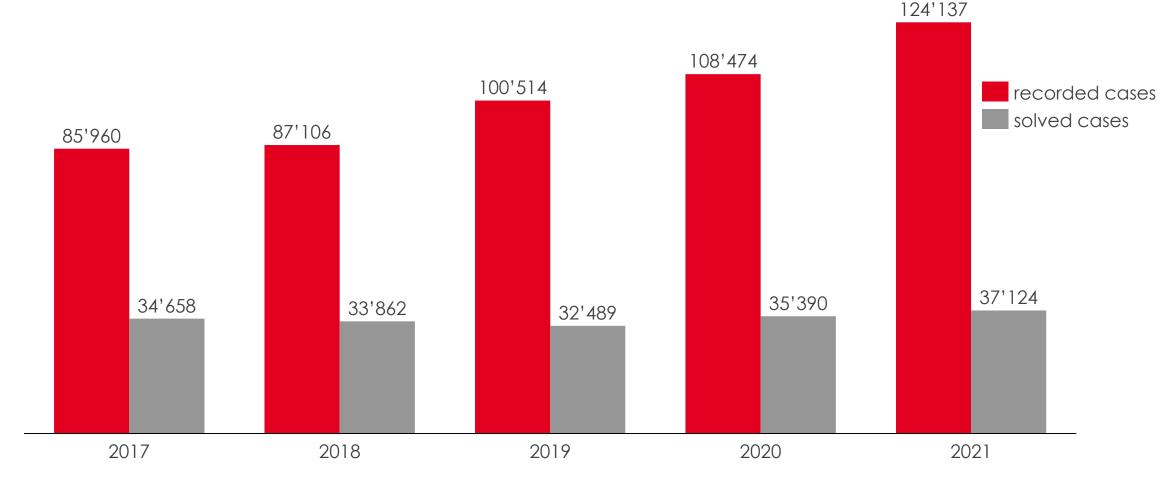


In the crosshairs of cybercriminals - A field report from Marabu

27th of June 2022, SWISS FEA Event

(York Boeder, CEO, und Stefan Würtemberger, Vice President Information Technology, Marabu GmbH & Co. KG) In 2021, there was a renewed increase in cybercrime offenses in the narrower sense in Germany. The BKA reported a total of 39,823 cases. This represents an increase of 12.2% compared to the previous year.



Cases of cybercrime in the narrower sense (2021)

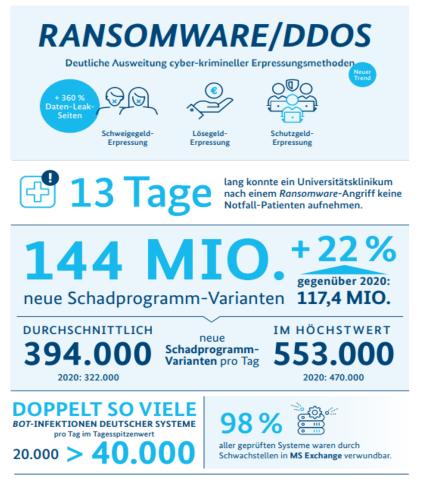
Marabu

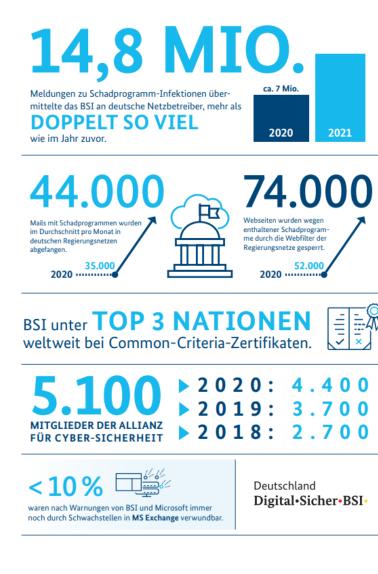
Source: Cybercrime | Bundeslagebild 2020



Cases of cybercrime in the narrower sense (2021)

Die Lage der IT-Sicherheit in Deutschland 2021 im Überblick

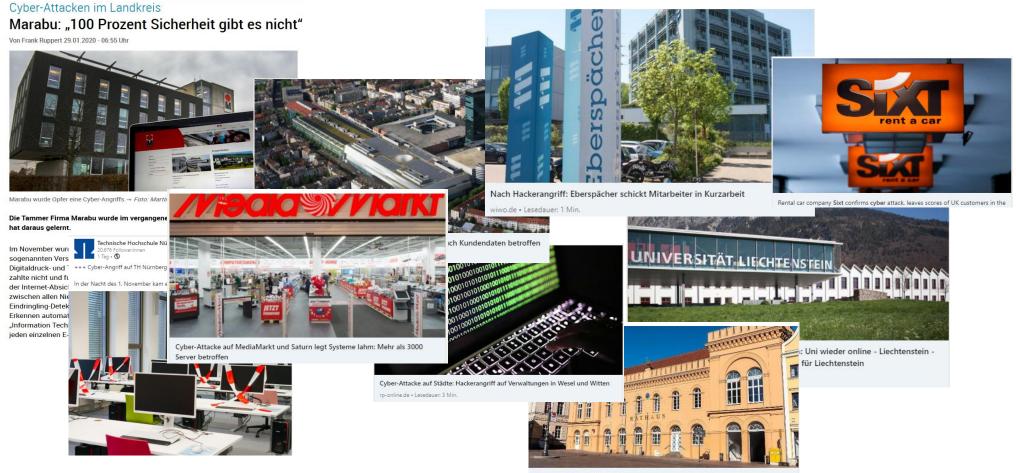




Source: Cybercrime | Bundeslagebild 2021

Victims of Cyber Attacks





Attacke auf Dienstleister: Cyber-Angreifer verschlüsseln Daten in Schwerin amp-n--tv-de.cdn.ampproject.org - Lesedauer: 1 Min.

The Marabu Case



Everybody in the world

The Marabu Case

Cyber-Attacken im Landkreis

Marabu: "100 Prozent Sicherheit gibt es nicht"

Von Frank Ruppert 29.01.2020 - 06:55 Uhr



Marabu wurde Opfer eine Cyber-Angriffs. -- Foto: Martin Kalb

Die Tammer Firma Marabu wurde im vergangenen Jahr Opfer einer Cvber-Attacke und hat daraus gelernt.

Im November wurde die Tammer Firma Marabu Opfer ein Nach dem Cyberangriff sogenannten Verschlüsselungstrojaners sollte Geld von Digitaldruck- und Tampondruckfarben sowie Kreativfarb Von Claudia Mocek 26.11.2020 - 11:40 Uhr zahlte nicht und fuhr alle seine Server herunter. Danach der Internet-Absicherung erfolgen. "Wir haben Firewalls zwischen allen Niederlassungen aktiviert und verbesser Eindringling-Detektion- und Prävention-Filter, die den Net Erkennen automatisch stoppen", erklärt Stefan Würtemt "Information Technology" bei dem Unternehmen. Außerc jeden einzelnen E-Mail-Anhang auf Schadsoftware teste

Hacker-Attacke auf Marabu



Marabu aus Tamm hat seine Mitarbeiter für das Thema IT-Sicherheit sensibilisiert.-+ Foto: Martin Kalb

Ein Jahr nach der Attacke: Das Ermittlungsverfahren ist eingestellt, der Wettlauf "Gut gegen Böse" bei der Sicherheitstechnik geht weiter.

Morgens um vier Uhr begann der Verschlüsselungstrojaner damit, sämtliche Daten der Firma Marabu zu verschlüsseln. Der Hersteller von Druckfarben aus Tamm fuhr alle Rechner herunter und war sechs Tage lang von der Außenwelt abgeschnitten. Mit den Erpressern hat Marabu nicht verhandelt, um wieder an seine Daten zu kommen. Anders als andere Firmen hat sich das Unternehmen an die Öffentlichkeit gewendet, um über den Vorgang zu informieren. Was sich wie ein Krimi anhört, jährt sich am 29. November zu ersten Mal. Die BZ hat nachgefragt, wie es nach dem Angriff weiterging.

Millionen-Schaden

Hacker legen Traditionsfirma Marabu lahm

StZPlus



en weltweit führenden Herstellern von Sieb-, Digital- und Tampondruckfarben nville, Marabu

ar nichts mehr: Nach einer gezielten Hackerattacke laufen die Geschäfte ler an. Die Attacke könnte auch für Autobauer Folgen haben. Und ein er könnte jede Firma treffen.



Black Friday – 29. November 2019

225_Probendurchlaufzeit-Statistik - Neu.csv.readme2unlock.txt - Editor Datei Bearbeiten Format Ansicht Hilfe Your network has been penetrated.

All files on each host in the network have been encrypted with a strong algorythm.

Backups were either encrypted or deleted or backup disks were formatted. Shadow copies also removed, so F8 or any other methods may damage encrypted data but not recover.

We exclusively have decryption software for your situation No decryption software is available in the public.

> DO NOT RESET OR SHUTDOWN - files may be damaged. DO NOT RENAME OR MOVE the encrypted and readme files. DO NOT DELETE readme files. DO NOT use any recovery software with restoring files overwriting encrypted. This may lead to the impossibility of recovery of the certain files.

To get info (decrypt your files) contact us at your personal page:

1. Download and install Tor Browser: https://www.torproject.org/download/

- 2. After a successful installation, run the browser and wait for initialization.
- 3. Type in the address bar:

http://q7wp5u551htuafjts161kt24z4wvon2jexfzhzqqfrt3bqnpqboyqoid.onion/order/98ea9012-11ef-11ea-94b8-00163eea179c

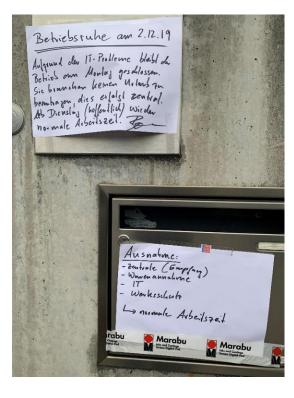
- 4. Follow the instructions on the site
- 5. You should get in contact in 48 HOURS since your systems been infected.
- The link above is valid for 21 days. If no contact made link and the key for your data would be erased completely.
- Questions? e-mail: JosephAtkins@protonmail.com If email not working - new one you can find on a tor page.

The faster you get in contact - the lower price you can expect.

DATA

CQAAAFD72PaY8y4kxgECAAAQZgAAAKQAAJGrX0n0IxLvjMzGE3TadfMyUgXNfQdvhP2WCRdWiNDv HxI9fCqWzFC1/whpIvfreWAE7E4mf73LWqKQg4r39tNILywIJCfTrPfgZpSD+ohiWtKD2we99i3L HV+LlCiljnuxrmDs/aN55on+9CbWZPtE5kncye2Iv/vWsTk78o0nKN98hqdSfSQ9grL1p00Wy0lK d16WIR67AnVPNc10c5AZkdvDjBXT+1pVhZzH03tNbUqbdp57wCbMu/f0b5iZ4KPoFpRPTKd1LFzf ygObsQ2SjKAnyC7jyRbB/qp+SP9JTgxUvlvdv7wwrsPNvC10HPxS1c4a/gpjdKV1wINK6YE=



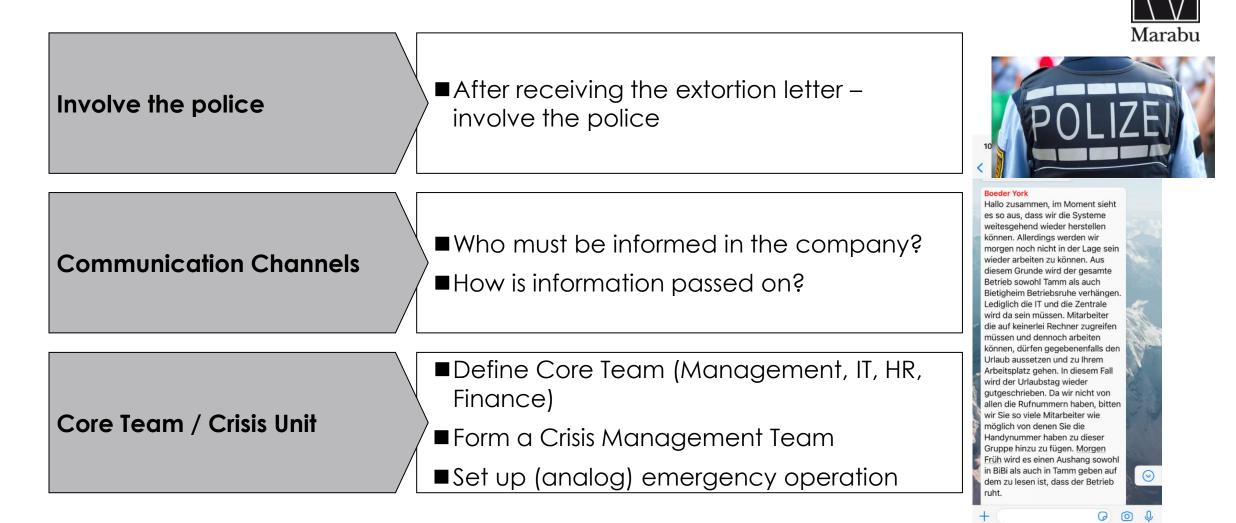


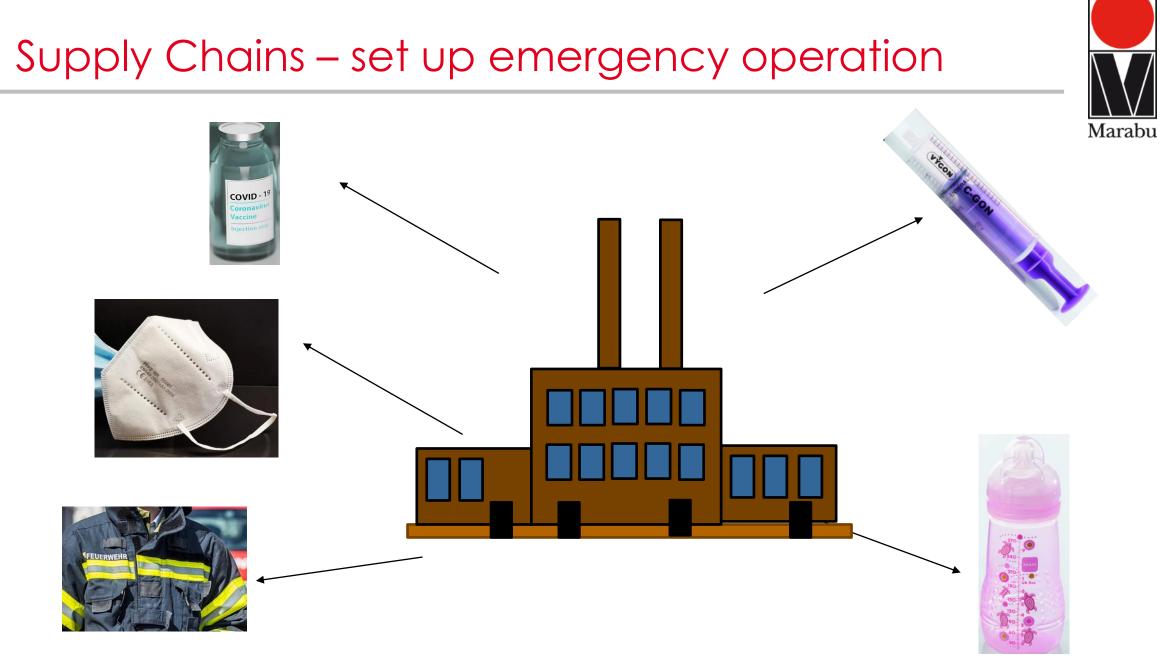
Global Presence





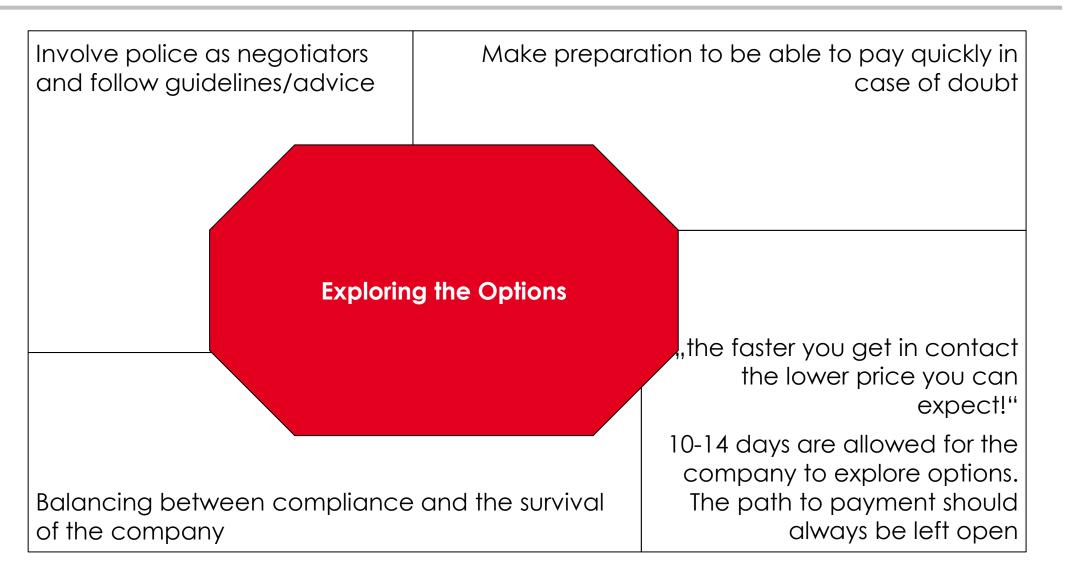




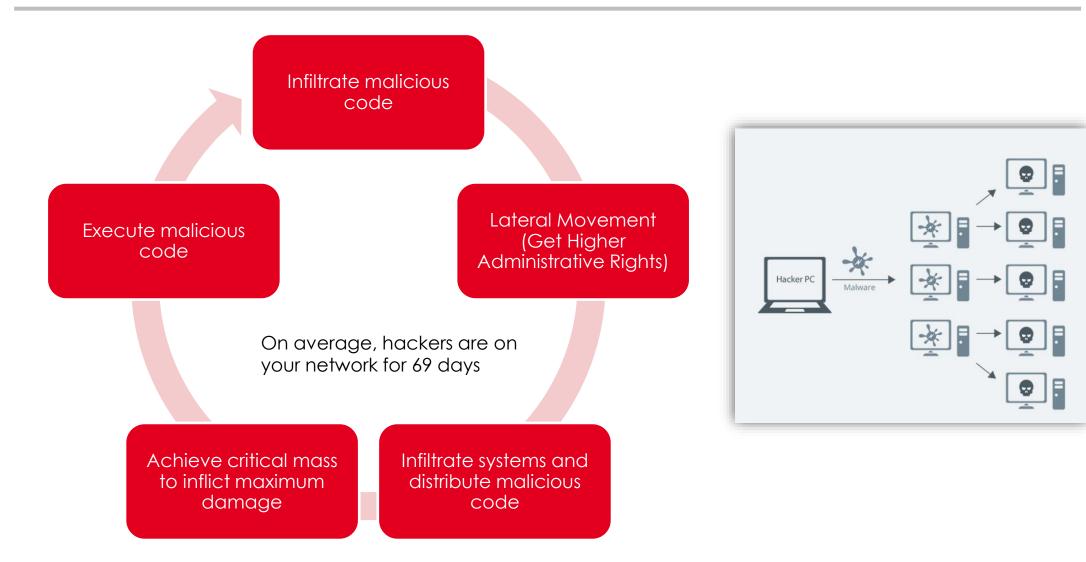


Exploring the Options





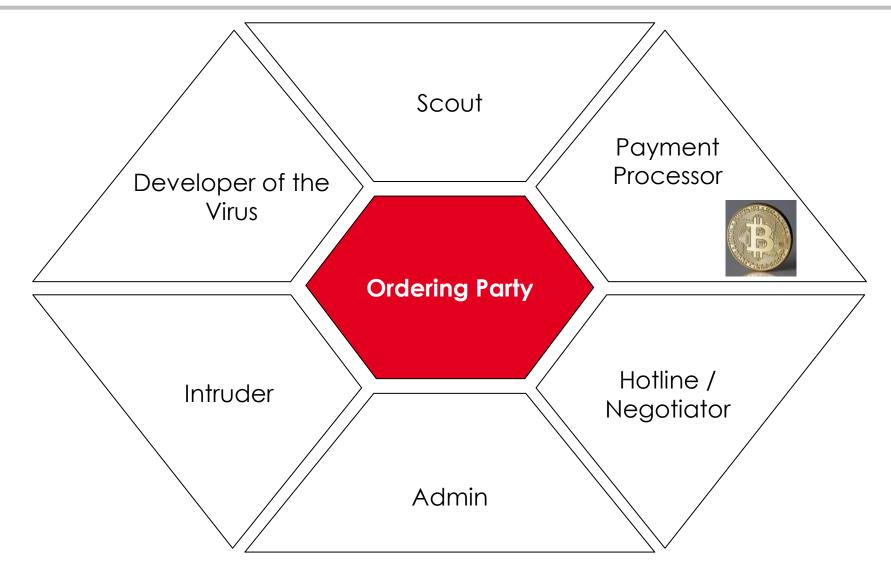
Procedure of the Cyber Attack



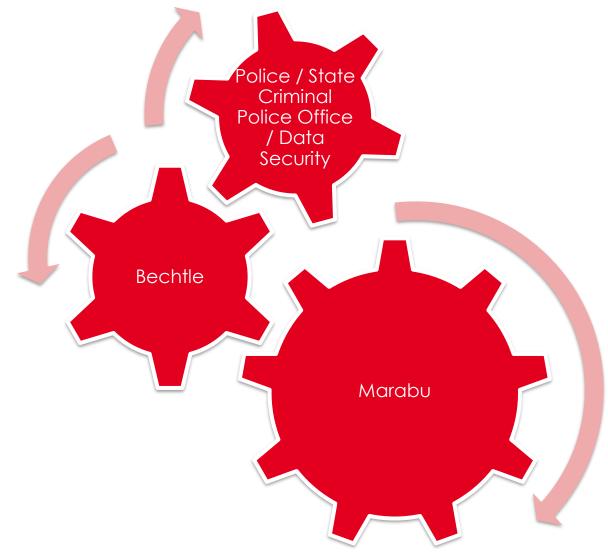
Marabu

The Darknet in the Background





External Service Provider





- Project and emergency managers

Marabu



and the second s

Baden-Württemberg

BECHTLE

Police Department K5 (Cybercrime)

Investigator

_

Negotiation officer & psychologist



State Criminal Police Office

- Forensic analysis of the malware
- Tactical investigation



 Data protection breach detection and procedure



Software used





NUIX Carving

Israeli software to recover and outsource fully or partially deleted files and memory

OnTrack EasyRecovery

Recovering hard disk fragments

By using these software products, we were able to recover approximately 3.8 TB of data.

Recovery Procedure



Shut down systems that are affected by the attack. Cut Internet connections so that the attackers no longer have access.	Forensic Analysis			
	To perform countermeasures, you need to know what and how you were compromised	Security Measures		
		After analyzing the malicious code, the infrastructure is prepared so that systems can be restored. These security measures are very important.	After all the measures, the restoration of the systems begins. Every system must be controlled. Apply patches and tighten control of security policies	After the restart, the entire infrastructure must be checked for vulnerabilities and security guidelines must be tightened and revised again.

Lessons Learned

- External cyber specialists
- Notification to the police
- Documented infrastructure helps external specialists
- Good network specialists are the backbone
- Update contingency plans regularly
- Store backups without tying them to infrastructure (paper, etc..)
- Do not underestimate the effort for internal communication
- Take out cyber insurance, you never know when you might need it
- The better the cybersecurity strategy & crisis management, the better prepared you will be
- Cybersecurity strategy is now the responsibility of management / CEO
- Put cybersecurity to the test on a regular basis.
- Don't stop talking about cyberattacks and their impact





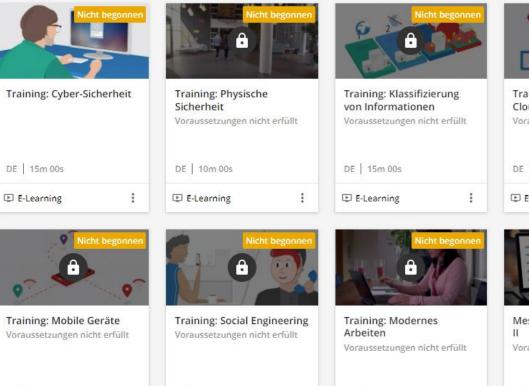
Cyber Security Trainings



Nicht begonnen

DE 15m 00s

E-Learning



:

DE 15m 00s

E-Learning

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DE 10m 00s

E-Learning

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Training: Arbeiten in der	
Cloud	
Voraussetzungen nicht erfüllt	

DE | 15m 00s

E-Learning

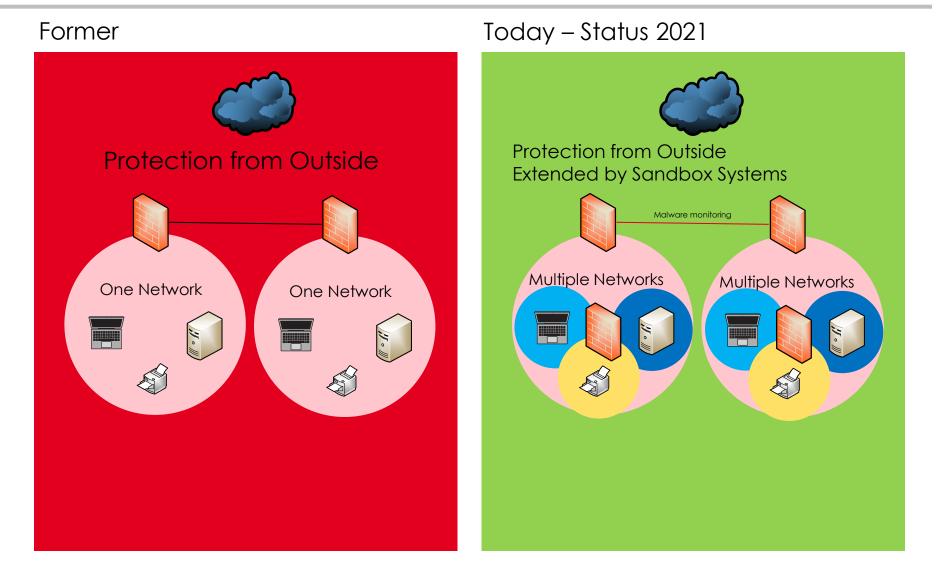


Messung des Basiswissens II Voraussetzungen nicht erfüllt DE | 25m 00s



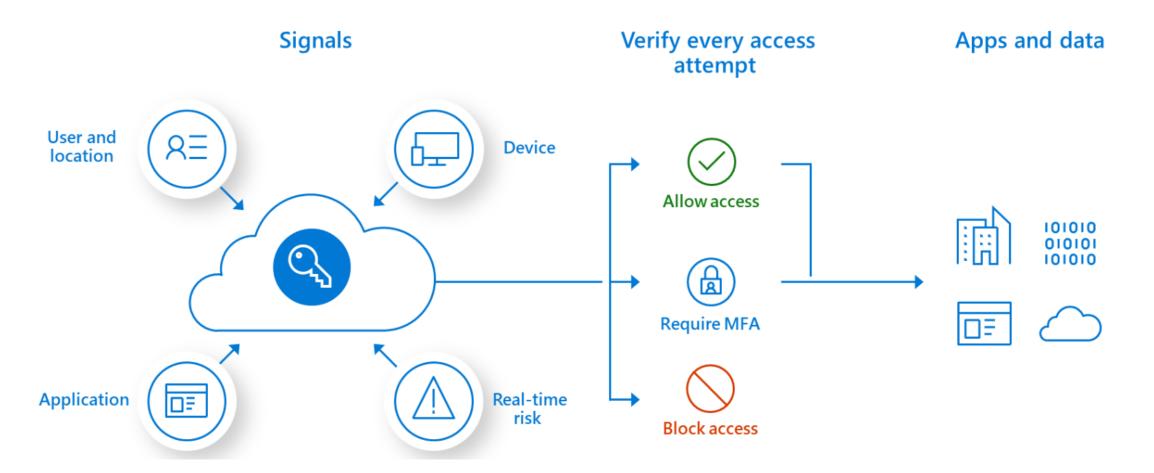
IT Security



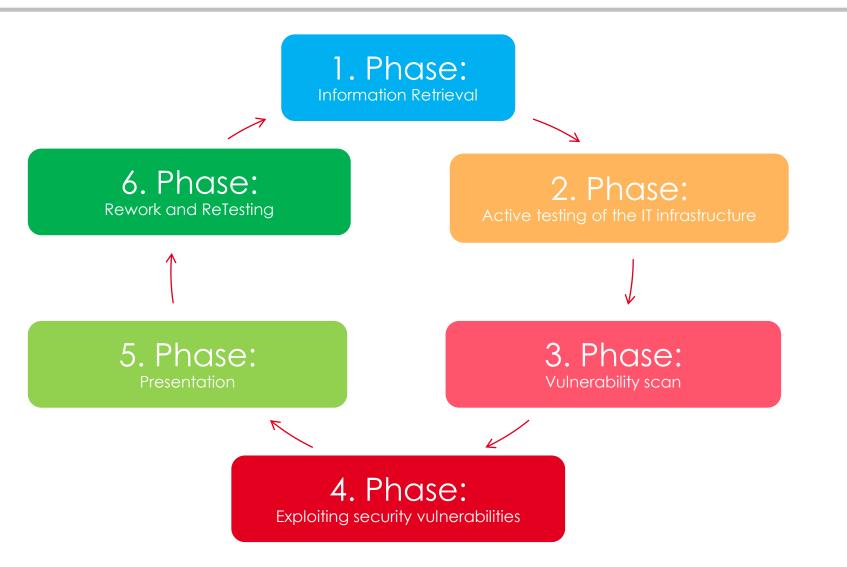


IT Security ZERO-Trust Environment





Scope of a safety inspection (PenTest)



Marabu



What does it look like when it happens twice?

- The first time:
- In the beginning we knew nothing
- We had no clear plan
- No experience and exact procedures
- But the second time:
- Knew that an attack was underway
- Clear planning and strategy
- Experience in process and strategy

This means: For the first attack it took us 9 weeks, for the second 48 hours.







Thank you

Marabu GmbH & Co.KG

www.marabu.de

