



Federal Foreign Office

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How to cloud

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- Graduate computer scientist, Master of Science in Applied IT Security, Engineer
- > 23 years information security
- Expert for the IT-SiG 2.0 (critical infrastructure law) hearing at German Bundestag
- Topics: KRITIS, Hackback, Ethics, Hybrid Warfare, Cyberresilience, Civil Protection
- Co-Founder of AG KRITIS: ag.kritis.info
- Co-Founder of AGND: www.agnd.eu

 [@HonkHase](https://twitter.com/HonkHase)



I have #KRITIS in the final stage



What is a cloud?



EMULEX

hp

intel

NetApp

Schneider
Electric

DELL

EMC

EMERSON

WEMU

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Definition of a cloud



Cloud computing is the on-demand availability of computer system resources, especially data storage (cloud storage) and computing power, without direct active management by the user Source: Wikipedia

Or: The cloud is just someone else's computer



Federal Foreign Office is represented in all countries!

Being KRITIS sector state & administration results in high risks

Being KRITIS within another sector IT & Telco results in “get 2 in 1” 

A low-angle photograph of the Reichstag building in Berlin, Germany. The image shows the grand neoclassical facade with its prominent portico of columns and the triangular pediment featuring a detailed relief sculpture. The inscription "DEM DEUTSCHEN VOLKE" is visible on the frieze. The sky above is a deep blue with wispy white clouds. Three dark blue text boxes are overlaid on the lower half of the image.

Losing your whole governmental or KRITIS cloud IT?

How can citizens get their governmental tasks done!?

If it is KRITIS, it results in pain!

Want more digitalization? Get more attack surfaces!

Threats become bigger

- hybrid warfare (also collateral damage!)
- Organized Cybercrime
- IT dependency
- „Cyber-Hooligans“
- Digitalization & globalization
- IP'ification of all the things

And it gets worse and worse :-(

- <here shall be positive news>



Help is comming!

Errr... wait O_o

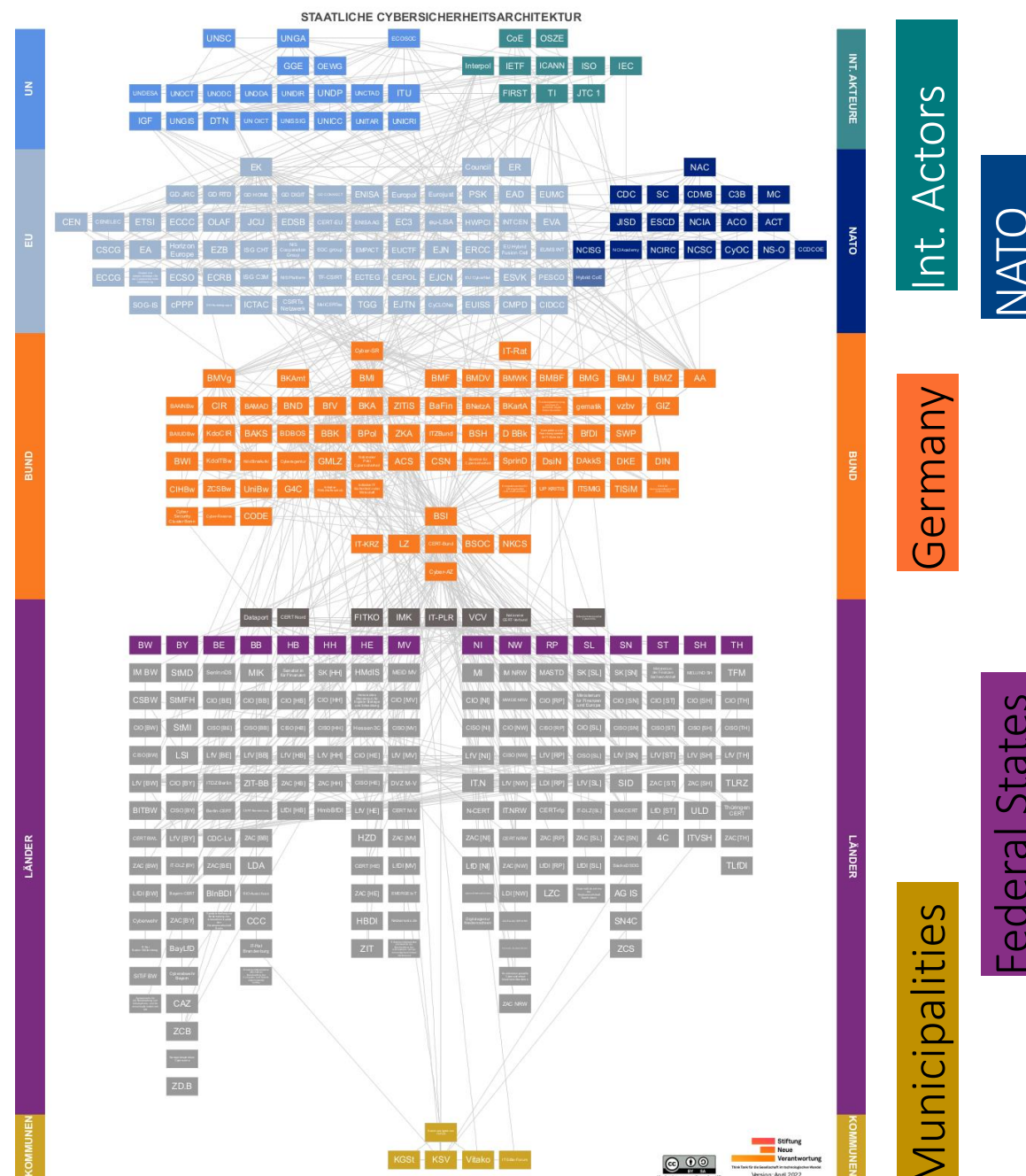
UN

Europe

Germany

Federal States

Municipalities



Int. Actors

NATO

Germany

Municipalities

Federal States



Solutions anyone?



Quo vadis cloud?

Focus of the Federal Foreign Office:

- **Security by design**
- **Privacy by design**

Why?

- **human protection**

Means?

- **Cloud strategy & Risk analysis**
- **Data minimization & Backup**

>> all-dangers-approach <<

„Consideration of all types of possible danger in the context of risk- and crisis management “

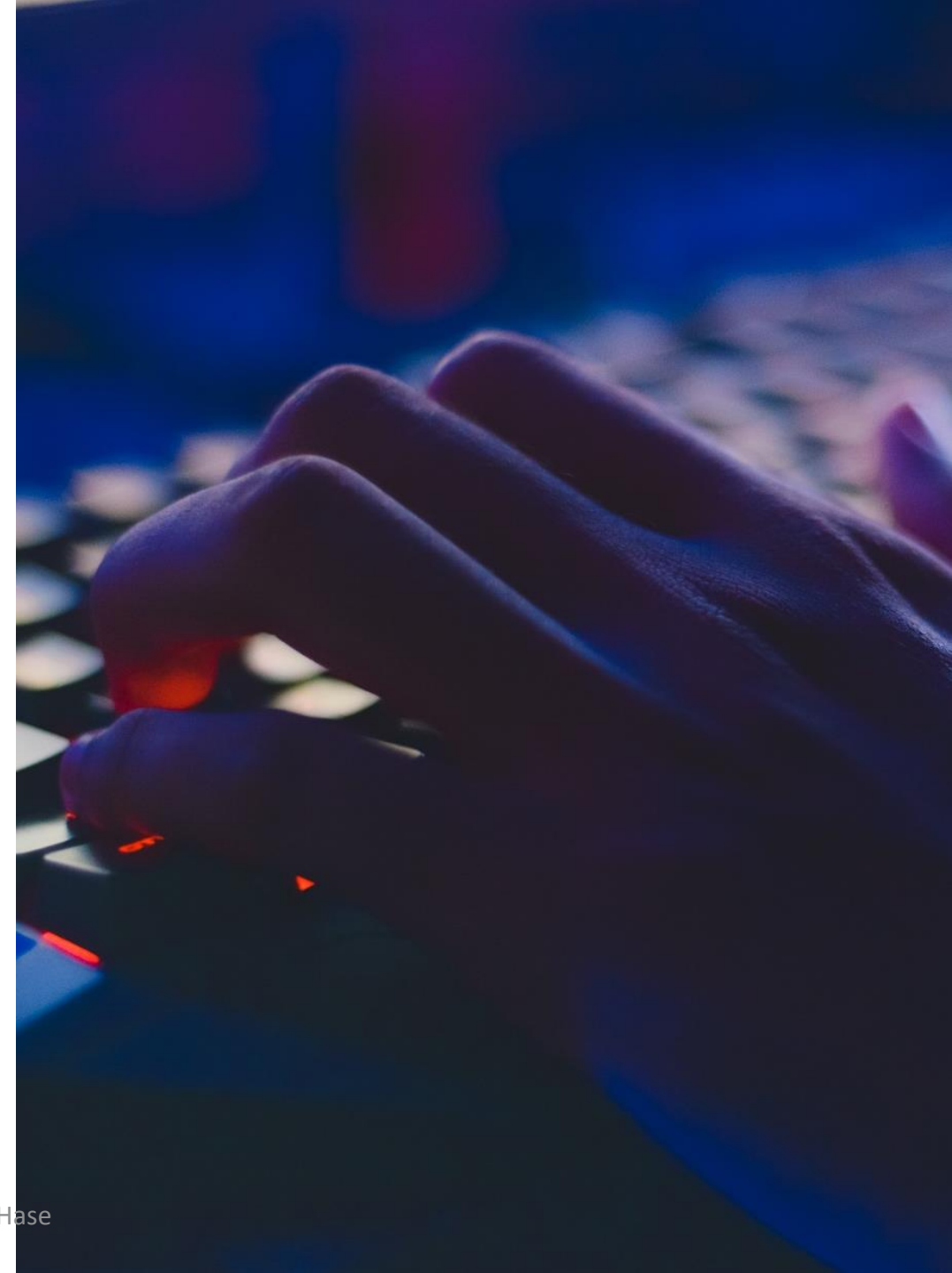
** Hi Federal Office for Civil Protection*

How to cloud (security) strategy?

The holistic approach please

- Attackers don't care if your system was in scope of your compliance processes
- State actors do not care if you had inexperienced responsible staff
- Cyberespionage does not care about your vacant administrative jobs

Continuous improvement of Information Security Management as a systematic process aka ISMS (including BCM)





Curse of competence

(cyber) Resilience and fallbacks

Does everyone
know how they do
the processes with
pen & paper?

And what do I do when all else fails?



Something with wood?

Coconut picker!

www.kokosnusspfluecker.de (german only)

