



**RÉPUBLIQUE
FRANÇAISE**

*Liberté
Égalité
Fraternité*



AN IT SYSTEM BUILT WITH CYBERSECURITY BEST PRACTICE: A UTOPIA?



Who I am

Cyber-fonctionnaire

at



since





What this talk is about



imgflip.com



What I want to share



- (R)evolution(s)
- Ideal vs optimum
- ANSSI answers

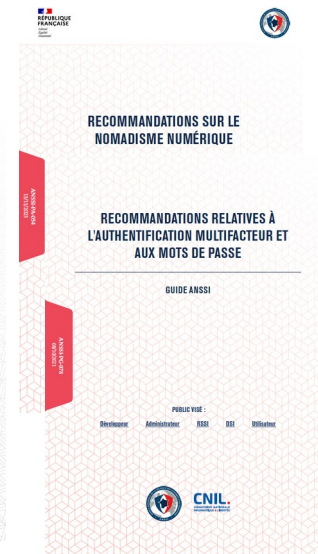
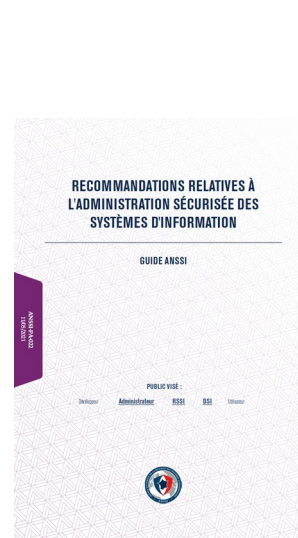
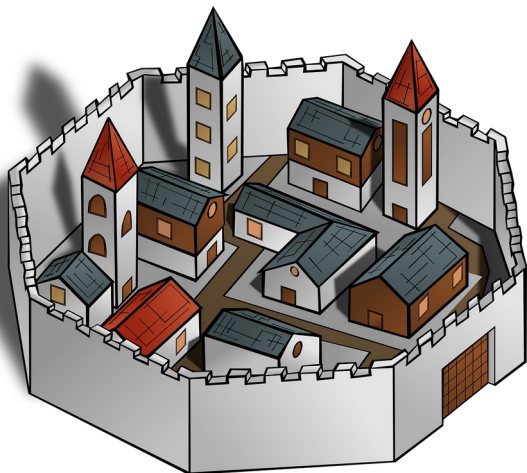


Once upon a time

IT systems

IT experts

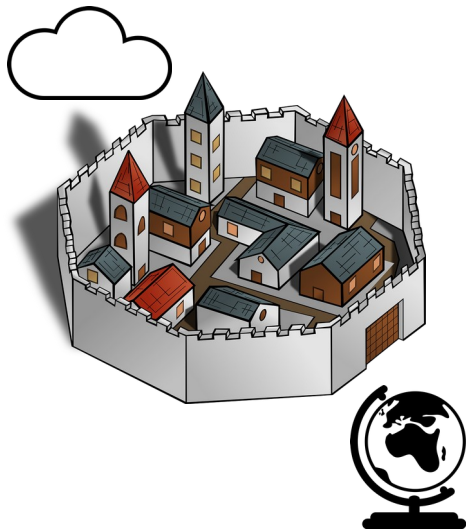
Cyber best practice





Nowadays

IT systems



IT/cyber experts
(& others)



Cyber best practice

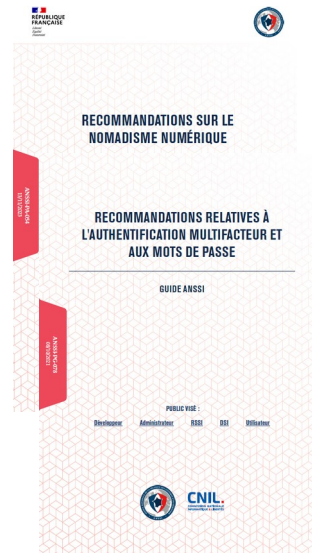


MonService
Sécurisé

Innovation ANSSI

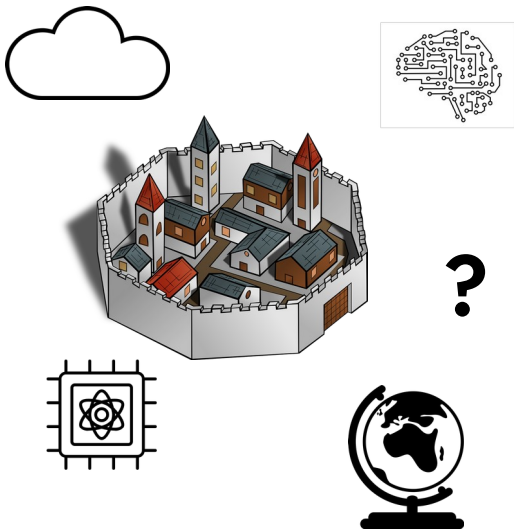
RECOMMANDATIONS RELATIVES À
L'ADMINISTRATION SÉCURISÉE DES
SYSTÈMES D'INFORMATION

GUIDE ANSSI



Tomorrow

IT systems



IT/cyber experts
(& others)

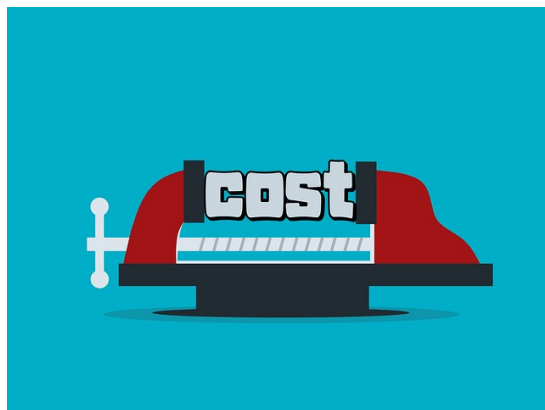
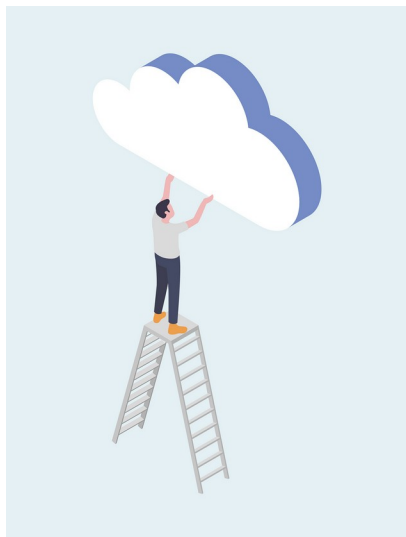


Cyber best practice





Evolving context





Overview



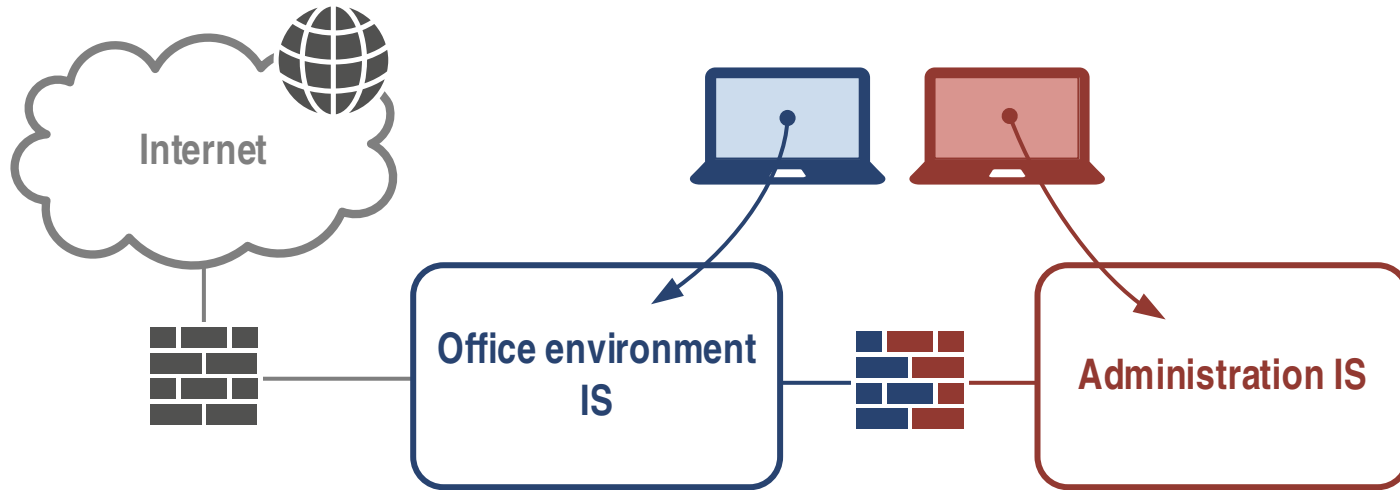
Administration of IT systems

- No path is proposed to improve step-by-step
- No systematic link between TTP and recommendations
- Not adapted to conformity approach

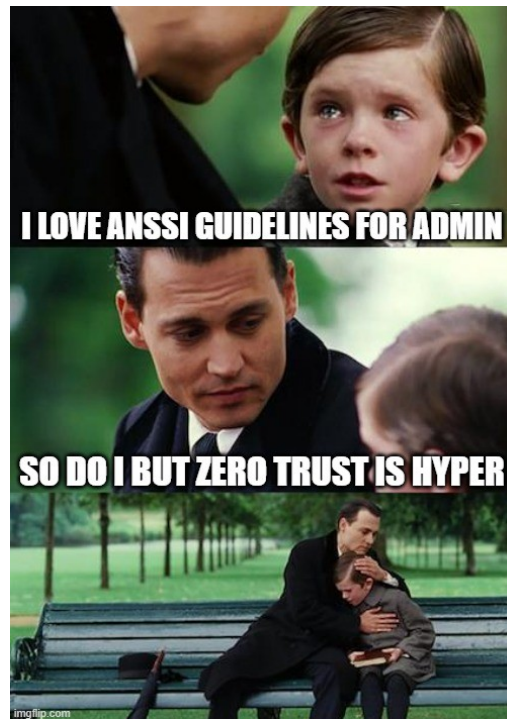
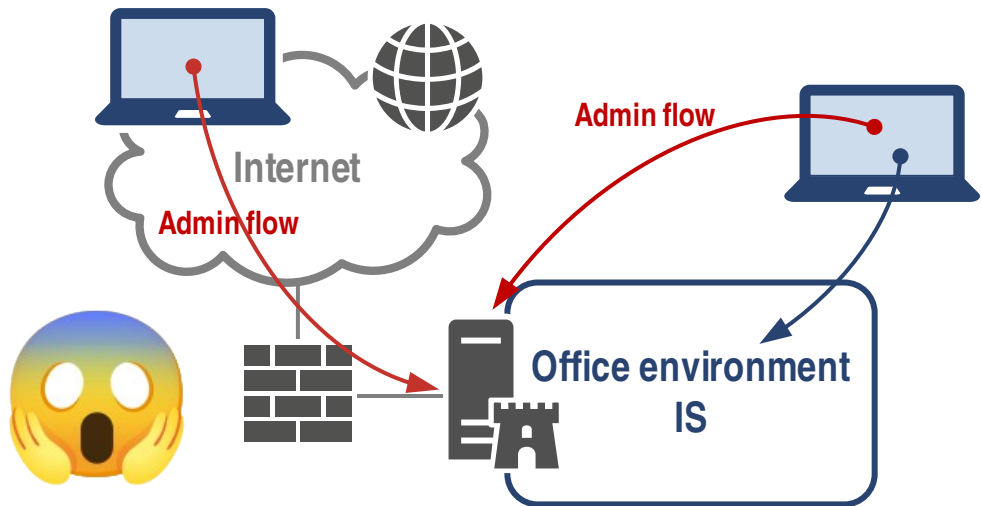




Administration of IT systems > What is expected



Administration of IT systems > What is implemented



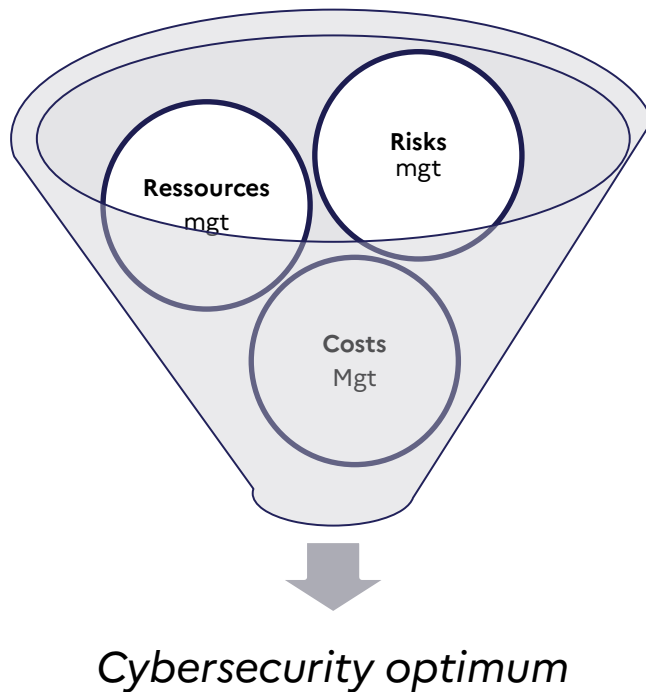


What is at stake





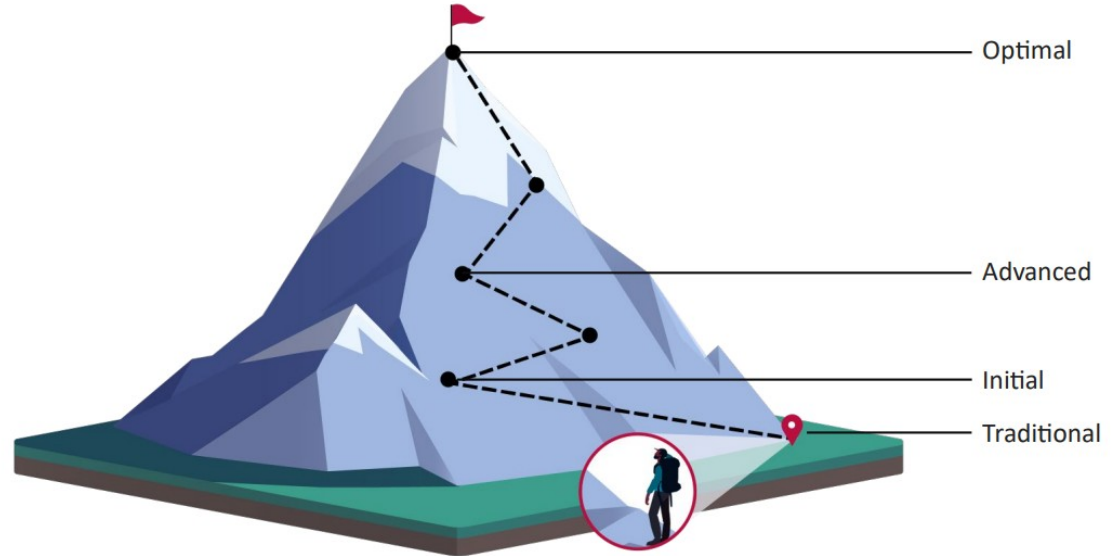
Ideal vs optimal





Everyone its own way

- **Fix** the objective
- **Decide** to do or to get it done
- **Measure** the initial level
- **Start** the journey



Zero Trust Maturity Journey (source : <https://www.cisa.gov/zero-trust-maturity-model>)

OASIS

Outil d'aide et de suivi d'implémentation de la sécurité

ANSSI guidelines

+

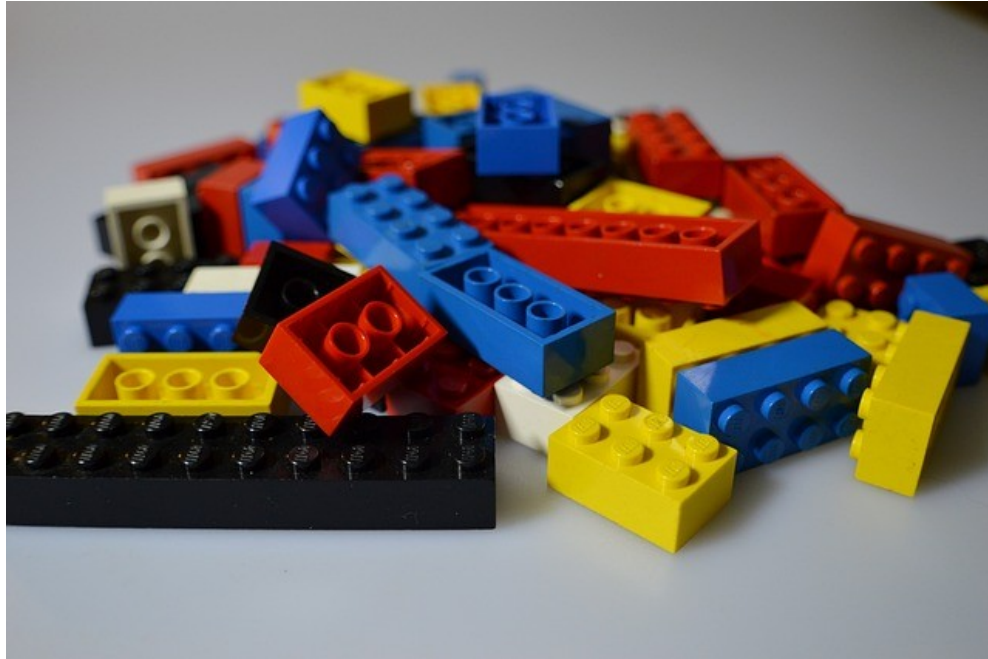
OASIS

R1 R2 R3 R4 R5 R6 R7 R8 R9

Level 3		R2		R6
Level 2	R3	R9	R7	
Level 1	R1 R4	R5	R8	
	Topic A	Topic B	Topic C	Misc.



First brick





Takeaways

- **Cybersecurity evolves with technologies and threats.**
- **Cybersecurity is a topic for experts... and users and deciders and suppliers and lawyers...**
- **Cybersecurity final level depends on multiple criteria : org, tech, human.**
- **Cybersecurity best practice needs to adapt to this generalization. ANSSI will take its part to ensure that building an IT system with best practice is not a utopia.**

