



Software vulnerability Exposure a view from the industry

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AIRBUS

A new industrial revolution

This was the space industry 70 years ago



... and this is how we see it in the coming decade :



FUTURE FACTORY-VERSION COURTE-30-05-17modifs_HD.mp4

Behind Computer Code there is a human



There are vulnerabilities



Some takeaways



Vulnerability Management

A difficult issue of communication

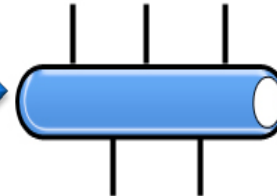
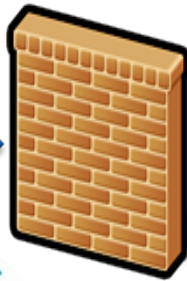


How to manage the notification?

- to the vendor only?
- to the authorities only?
- publicly?



Is vocabulary helping?



ROOT

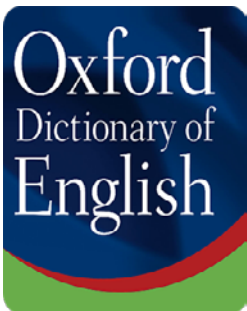


Leaked?
Exfiltrated
?
Loss?

Attack?
Attempt?
Suspected?
Successful?
Intrusion?
Hacking?

Hack?
Pwn?
Intrusion?
Privileges
escalation?

On the LAN?
Own the LAN?
Hacked?



Need for corporate governance on cyber risk

Operational



Security



- The concept is to propose to organisations, on behalf of our two professions, **new ways (methods, functions) to organize internally the management of cyber risks**

Objectives

- ECIIA and FERMA seek **recognition** by the European Institutions that the proposed **cyber risk governance** is a **key element to increase the level of cybersecurity** for EU organisations



Transfert to the Insurance Market

Software Vulnerability can be an issue of insurability:

- Non Maintenance of security systems
- Knowingly not apply security procedure

This could result on exclusion from insurance coverage if this information was not provided to the insurers prior to the subscription of the insurance policy



Conclusion

Digitalisation results in an increase of exposure related to Software Vulnerability

We urgently need clarity on

- Liability exposure of Data ownership
- Proper definition of risk categories (intrusion vs attempt of intrusion, data loss vs loss of confidentiality, ...)

Better coordination with Vendors and Authorities on Vulnerability Mgt:

- What is the process? Which Role should play the Authorities?
- Who is coordinating the plan of informing of the exposure and the mitigation

Cyber Risk Governance is a key topic for improving resilience of organisations

Thank you !

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