

CELTIC-NEXT DAY 02nd December 2020, 09:30 – 16:00 CET

Building Robust Software Supply Chains

(DevOps, DevSecOps, Dependency Management)





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Reality of software development nowadays Huge amount of code developed by third-parties

 \rightarrow More reliability (safety & security) with less resources (computing) power, storage, bandwidth, development time)

→ Mitigate security risks due to the Software Supply Chain





Proposal Introduction



In-house dev. lifecycle









In-house dev. lifecycle







Mitigate the Risks of the Software Supply Chain

Understand open source ecosystem

- **OSS** licences analysis
- Metrics: mean time to fix or upgrades, etc.

• Secure the development pipeline

- Signed commits
- Reproducible builds

Dependency management

- Inspect, test
- Remove, harden
- Isolate







Expected Outcomes

• New (open-source) software tools

• Reduced attack surface of deployed products





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Organisation Profile









CASTOR Software Research Centre

- Industry-Academia collaboration between Ericsson, Saab, and KTH
- Stockholm, Sweden
- www.castor.kth.se



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Partners

- Sweden
 - KTH
 - Saab
 - Ericsson
 - FindOut? (SME)
- France
 - INRIA
 - Orange
 - Thales TGS
 - Airbus Bretagne?
 - GAIA X?,
 - ALTRAN?

→ We are mainly looking for industrial partners and solution providers in the areas mentioned on slide #7



- Germany
 - Eclipse GmbH
 - Siemens?
 - Bosch?
 - Audi?
 - Continental?
 - RedHat?
 - IOTA Foundation?
- Belgium?



Contact Info

For more information and for interest to participate please contact:

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