



Automating Cybersecurity Compliance in DevSecOps with Open Information Model for Security as Code

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Outline

- The problem
- The solution
- Discussion

This is not a Data Spaces paper, but...

- Compliance and cyber risk management are relevant in data spaces
- Our research is aligned with the goals of the data spaces approach:
We facilitate decentralised collaboration and transparency of information
- Our approach could be further integrated into the concepts of data spaces

The problem

Why cybersecurity is becoming more critical for digital businesses

Threats

Regulation

Customers

Standards

DevSecOps Adoption

+

Compliance

=

Hard

!

The solution



Design principles and requirements

13

requirements
from design principles and insights
derived from several years of practical
experience in industry

Information model

Tool

Open source

**Queries and
reasoning**

Cyberismo solution

CLI
GUI App



**Plain text
content
format**



Software
version control



**Queries
and
reasoning**

Run
queries



**Key
performance
indicators**

**Automated
policy
checks**

**Graph
visualisations**

Demo

**Find out
more**

<https://cyberismo.com>

Questions and comments

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> Make a difference in **cybersecurity**.