

12. Automated Security Verification of Data Used in a Factory

KDDI Research, Inc.

The automated validation process based on security requirements for data reduces a cost for security audits, and enables a trustworthy supply chain by the framework linking multiple validation results in real time.

A
Creation & Confirmation

B
Construction & Distribution

C
Verification & Maintenance

Technical Features

Storage of evidences in digital evidence management

Evidences that indicate data usage are securely stored and available for data security validation

Linkage of validation result on Trust Store

Related validation results on the supply chain are linked on the Trust Store to enable verification of the entire supply chain

Technical points

- Flexible and easy to use rules for security requirements
- Automated and optimized validation and related process
- Inter-organization verification

Benefits

- Reducing costs for the inspection by improving efficiency of validation
- Enabling a rapid investigation when an incident happens and reducing cost for tracking information

Demonstration

Factory use-case has following two points for demonstration:

- Enabling data security validations at both share-factory and delivery destination
- At the loss of trust caused by an incident, the range of its impact can be immediately shared in the entire supply chain

