OSiP

Online-Sicherheitsprüfung

By

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29 March 2017, Lisbon, Portugal

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Agenda

- Problem salvation

- Avoidance of media breaks

- Reuse

- Context

- State of play

- Design

- Governance

- Impact and results

- Next Steps

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What was the problem it was developed to solve?

After 9/11 ...

- Reorganisation of Aviation Security Act (LuftSiG)

- The number of personnel background checks has dramatically increased

- to solve the problem a software solution was unavoidable

avoidance of media breaks - process chain of aviation security (example)

Request registration

create a application

receive the decision

Specialized authorities

processing

decide

Data hub

transport to IA

transport to SA

Information authorities

receive the application

response the application

e.g. Airport

e.g. Lufthansa

SOAP

Aviation security authority

OSiP core

Federal Central Register

Offices of Criminal Investigations

Constitution protection office

Internet

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Intranet

# Reusable for other issues and fields of application (examples)

Reusable for other issues and fields of application (examples)

Security authorities Landeskriminalamt (LKA) (criminal investigation office) and the Landesamt für Verfassungsschutz (LfV) (Office for the Protection of the Constitution) can be involved over **one interface**

Reusable for the same issues and fields of application all over Germany
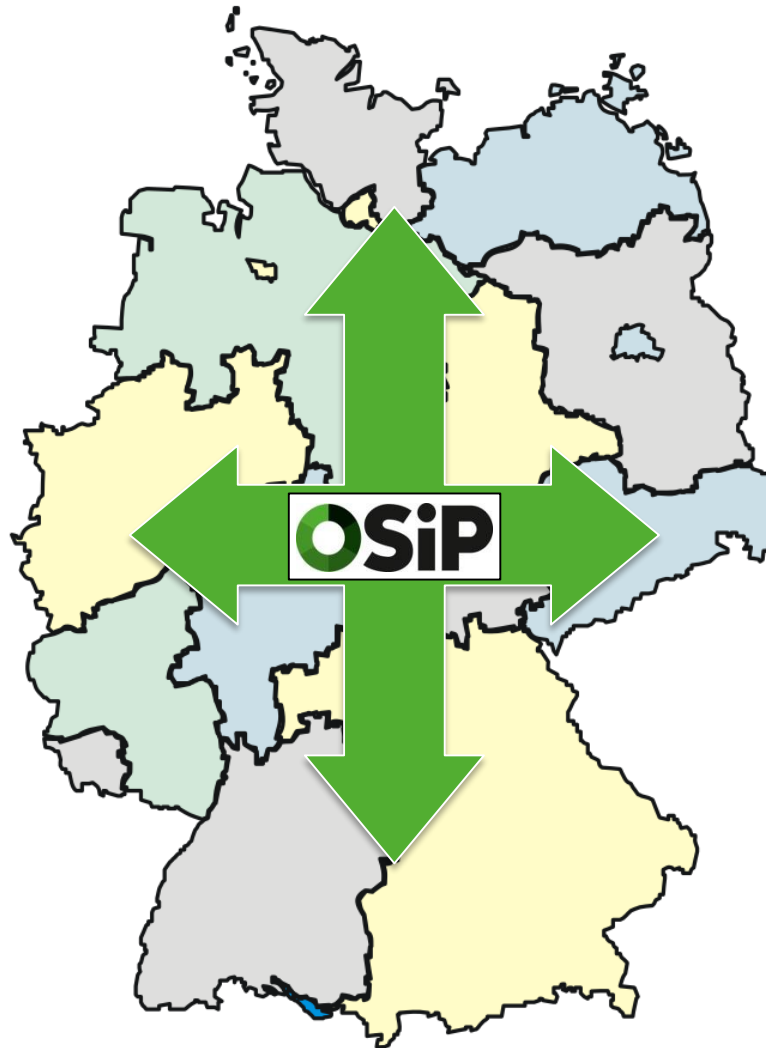
Context

Characteristics

OSiP
Supports online-based security an background checks on relevant individuals before
- issuing an identity card for entering security areas and no-public areas
- before getting a citizenship
- ...

Context

Target Audience

companies and administrations
- airport security
- naturalization
- issuance of residence permits
- accreditations at major events
- atomic reliability test
- the connection of the German
  weapon offices

State of play

Numbers

- currently 4 federal states of Germany

- in North Rhine-Westphalia:
  - more than 100 specialized and assessment authorities in NRW with up to 20 users each
  - more than 10 companies (e.g. Lufthansa, Germanwings,...)

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State of play

Numbers

- In North Rhine-Westphalia about 150.000 applications were processed via OSiP in every year, about **400.000** are expected in 2017

- In Baden-Württemberg more than 200.000 applications were processed via OSiP every year

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Design

Technology

OSiP uses a lot of Open Source software components, including:

- System language:
  Java, JBoss EAP, Jackson JSON, PHP, CakePHP
- Database:
  Oracle, MySQL or MariaDB
- Architecture:
  Webservice SOAP and REST with XML
- Webserver:
  Apache Webserver and other Apache products

Solutions, services and standards

- Out-of-the-box Clients (manual or XML-Upload)
- Other solutions can be linked via web services

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Governance

Governance body

Development community

cooperation of four federal states in Germany united in a steering committee

- North Rhine-Westphalia
- Baden-Württemberg
- Hamburg
- Hesse

Other states are welcome!

Involvement

- 4 Data Operators (one per federal state)
- 2 Software developer companies (OSiP-Clients und kernel)
- more than 10 solution provider (for access to OSiP via WebServices)

Ensure sustainability

- fixed budget for further development (contract)
- Standard for background-checks in the "OSiP states"

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Impact and results

Benefits

- Requests by citizens or companies can be handled **faster**

- Different specialized procedures united in one **standard solution**

- Different **administrations** connected in one solution

- Different technological features guarantee organisational **scalability**

- the technical architectural model provides the possibility to **modify** the solution for different fields of application

Next Steps

- The federal state of Thuringia will join the cooperation

- The setup of an OSiP Competence Center to improve the support is planned

- Idea of an "OSiP-API" as Open Source (JAVA)

- the extension to other application areas is planned

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https://joinup.ec.europa.eu/asset/osip_online_sicherheitsuberprufung/description

Thank you for your kind attention!

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