

Impact of Technology on the Public Sector

Matthias Lichtenthaler

Head of Digital Transformation

Bundesrechenzentrum GmbH

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Digitalization as a driver for the Public Sector



Evaluating new Business Models based on common Challenges



Demand for digital communication channels and mobile solutions

e.g. Right to digital communication with public authorities starting 2020



Citizens expect personalized and comprehensible services

e.g. Knowledge of the process status of personal applications, self-service solutions, electronic forms



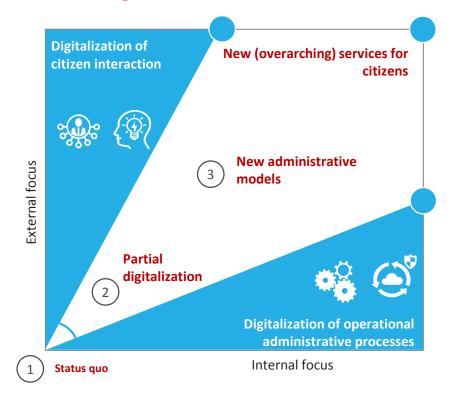
Utilization of data, while guaranteeing high cyber security standards

e.g. combating of fraud via analysis of big amounts of data (Big Data & Analytics)



Increasing efficiency pressure due to intelligent automation

e.g. automation and linking of tasks, benefits and synergies, shorter handling time



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Current topics of digital transformation



3 topics to enable our customers to optimize and to digitalize internal procedures and processes (B2B), as well as to improve customer proximity through user-friendly digital services (B2B2C).

Information
Management & Virtual
Assistants

What is it about?

User-friendly provision of information and services for
citizen, businesses and employees

How can I use this specifically?

- Intuitive portals between civil society and public administration (e.g.: One-Stop-Shop for relocation, birth...)
- Virtual assistands and Chatbots for expert assistance or direct customer communikation (e.g.: service line, online)

Cognitive Analytics & Contextualization

Analyse, correlate, visualize large amounts of inhomogeneous data and make them useable for business decsions

- Analysis and linking of large (un)structured data volumes (e.g.: large penal proceedings)
- Evaluation, contextualization and user-friendly visualisation of the data up to the recommendation of a ,next best action' (e.g.: tax audit)

Robotic Process
Automation

Automate rule-based or standardized processes to increase the efficiency of administrative processes

- Performing rule-based tasks (e. g. copy & paste, research in different systems) using bots
- Auto-crawl data and content to gain useable information or trigger processes
- Radical Innovation of processes ("Digitalization")

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Data Analytics as a key source for Public Sector Decision Making



Understanding the real value and context of data



Demand for Big Data & Analytics in the Public Sector



Treat the citizen like a customer!

Demand for Big Data & Analytics.....driven by business outcomes

Acquire, Grow and Retain Customers



- Personalization
- Profitability
- Retention
- Acquisition

Optimize Operations and Reduce Fraud



- Global Operations
- Infrastructure and Asset Efficiency
- Fraud
- Security



Maximize Insights and Improve Economics



- Harness and Analyze All Data
- Govern All Data
- Optimize Analytical Workloads
- Spectrum of Analytics

Transform Business Performance



- · Financial and Operational Performance
- Financial Risk
- Operational Risk and Compliance

Create New Business Models

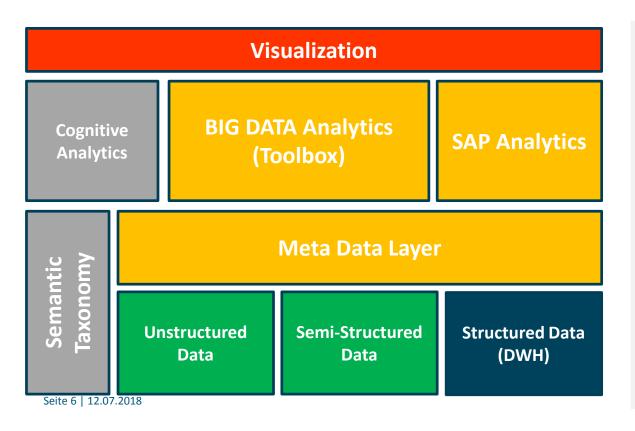


- Data Driven Products and Services
- Non-Traditional Partnership
- Mass Experimentation

Example: Analytics for Public Sector Processes



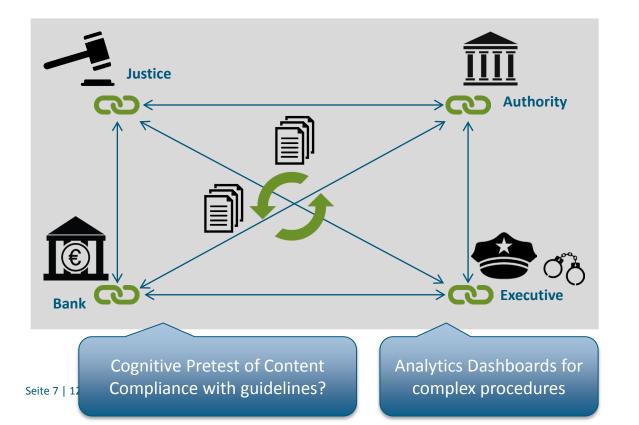
Consolidated and integrated data analytics for enhanced decision making



- Matching,
 Contextualization and Data
 Exchange between specific
 applications and SAP
- > Logical Interaction between different types of data
- > SAP Data will be enhanced with semi-structured Information

Real Time-Aggregation and Analytics of Data

New Findings regarding Major Criminal Procedure



Key Facts

- Usage: Asset-less Blockchain
- Distribution: Community Blockchain

Procedure

- banks, public institutions, justice, etc. are using Blockchain for real timesynchronisation of data and information
- Background: single activities are often not punishable or can not be identified as crime (without context)
- Potential Node-Holder are banks and insurances, authorities and ministries

Business-Benefits

- Data-Aggregation determines correlations (including their chronological order)
- Identification of criminal activity, and therefore their prosecution becomes easier

Digital Mail Delivery – secured in the Blockchain

Company Register Delivery Service Justice

Dual Delivery

My Inbox

Key Facts

- Use Case: Securing the delivery process / traceability
- Distribution: Community Blockchain

Procedure

- Defined attributes and process name are written in the blockchain at each process steps
- This logging of information provides a comprehensive traceability and an increase of integrity

Business Value

- The Blockchain Technology enables an improved controlling and monitoring of eDelivery
- The data backup provides a deadline management and a structured reporting process