



Identity Management as an Appliance



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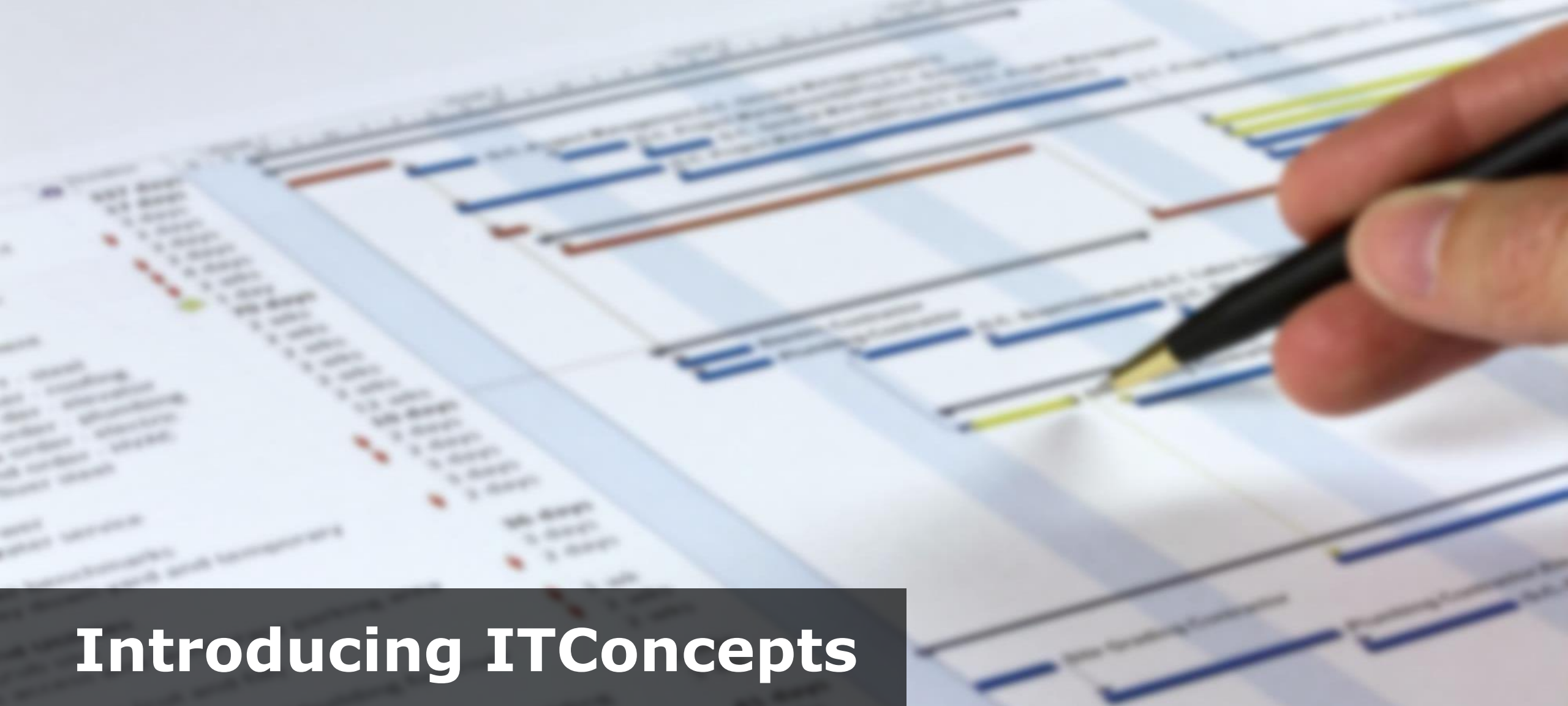


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Introducing ITConcepts

About us

Core Competence

- ✓ IT and Process Advisory
- ✓ Identity & Access Management (IAM)
- ✓ Consumer Identity Management
- ✓ Business Service Management (BSM)
- ✓ Workload Automation

Tailored Solutions for your Business

- ✓ Development of individual solutions based upon Standards
- ✓ Close Collaboration
- ✓ Solid Creation of Values

smart solutions for your business



Headquarter
Bonn

Subsidiaries
Wolfsburg
San Diego
Rotkreuz (CH)
Bangkok

Established
2000

Revenue 2016
Germany
>16 Mio. €
Worldwide
>36 Mio. €

Employees
> 200


All from one Hand...

... and vendor independent

Services

- ✓ Professional Service Provider
- ✓ Support, Operations & Outtasking Provider
- ✓ Managed Services and Offshore Services
- ✓ ITC Academy – Certified Training Centre

Own Products

 **COGNITUM** - Java Development Framework incl. Workflow-Engine

go:Identity - Identity Management as an Appliance

go:Roles – Role Mining, Design and Lifecycle Management of Roles and Entitlements

Reseller, Support- and Business-Partner





Introducing **go:**Identity

Your are ...

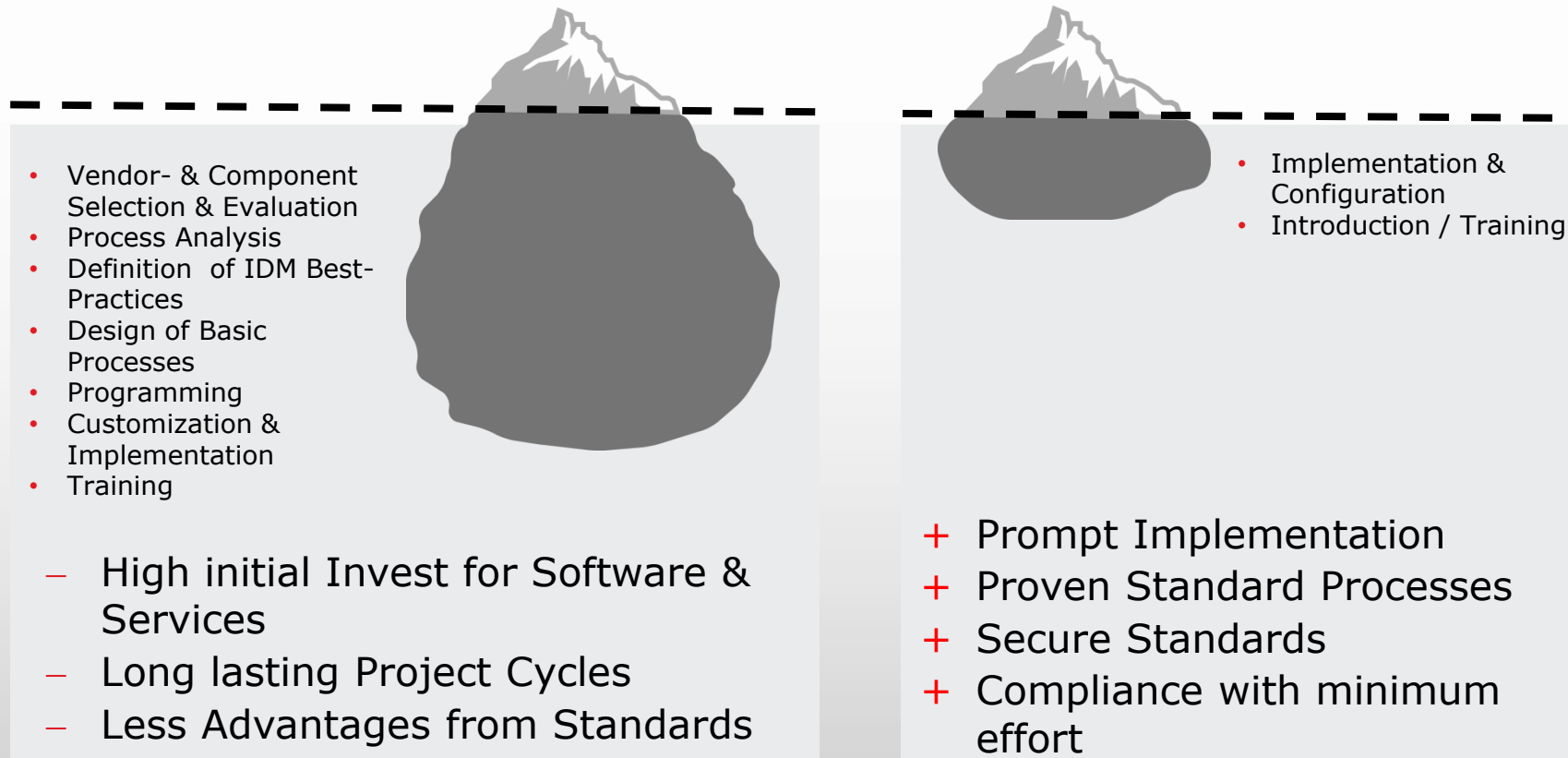
- ✓ ... a small/medium sized company?
- ✓ ... looking for a solution to manage your large number of consumer identities?
- ✓ ... not willing to refrain from Identity and Access Governance (IAG)?

Your Organization demands and requires ...

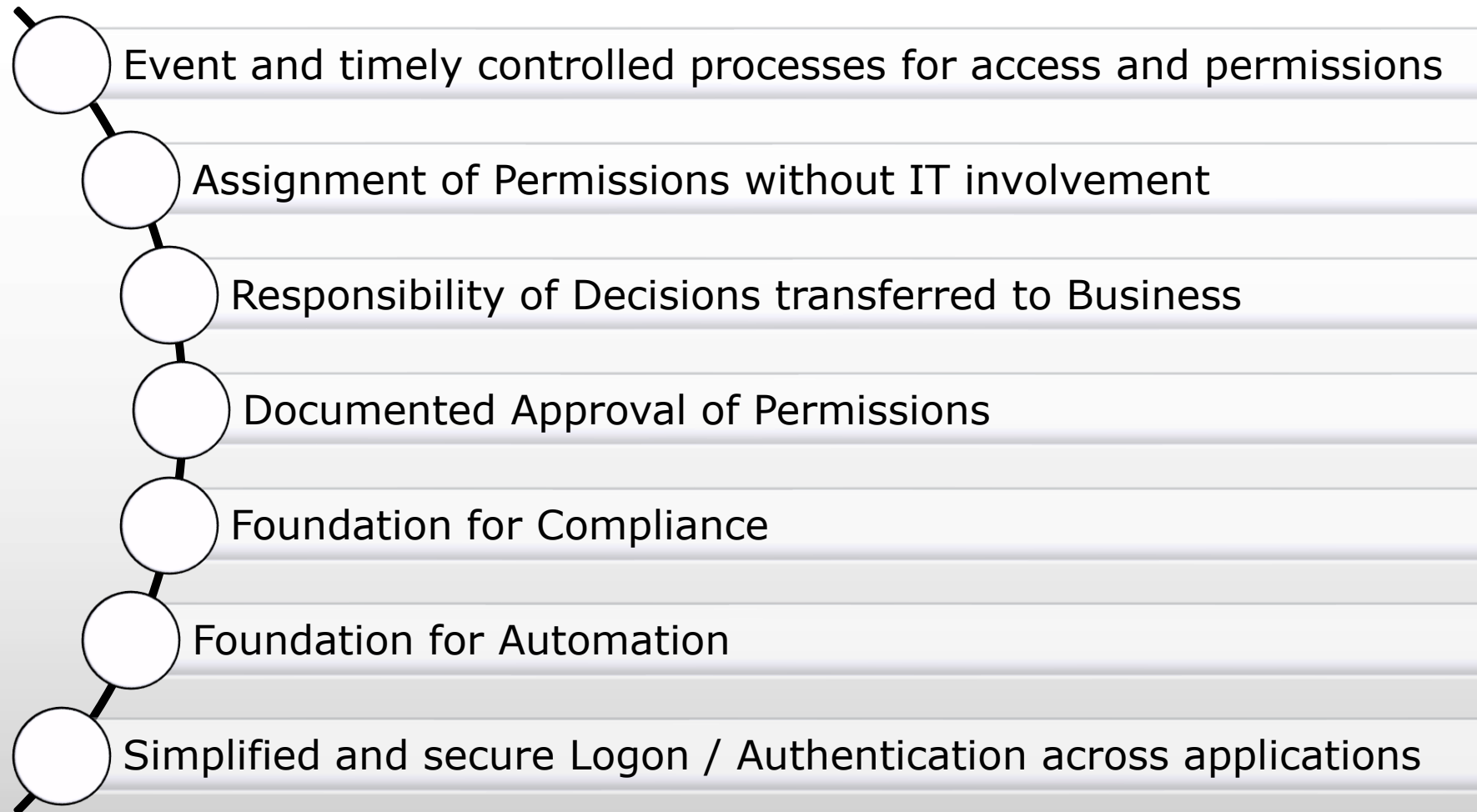
- ✓ ... Automation of manual Tasks
- ✓ ... Assistance for IT Administration
- ✓ ... User and Identity Lifecycle
- ✓ ... Approvals and Workflows
- ✓ ... (Re-)Certification of Users and Permissions
- ✓ ... In-time Availability of Self-Services
- ✓ ... Transfer of Responsibility and Reliability to Business

Advantages of an Appliance Approach

Traditional IAG Projects vs. Introduction of an Appliance



80% Functionality of the „80/20“ Model



Functional Best-Practice from the Beginning

Com-
pliance

- ✓ Frequent (Re-)Certification of Roles and Permissions
- ✓ Reporting / Auditing & Compliance to Regulations
- ✓ Variance Analysis

Workflow
&
Self Service

- ✓ Self-Service Processes for Request, Approval and Execution of Permission Modification without IT Involvement
- ✓ Self-Service for File shares, E-Mail-Groups, Printers, Applications and much more

Role Based Access
Control

- ✓ Registration, Consolidation and Assignment of Permissions upon defined Rules and Policies
- ✓ Delegated Administration
- ✓ Avoidance of „Copy-User“ Requests and uncontrolled growth

User Provisioning

- ✓ HR Data Automation
- ✓ Provisioning of User Accounts
- ✓ Controlled Enablement / Disablement
- ✓ Purposeful Data Synchronisation HR <-> Target Systems

Basic IAG Processes as a secure Foundation



Employee Join, Move and Leave Processes



Consumer Registration and Self-Management Processes



Self Service Processes (Request of Roles & Entitlements)



Enablement / Disablement of Users



Definition of Absence Substitution

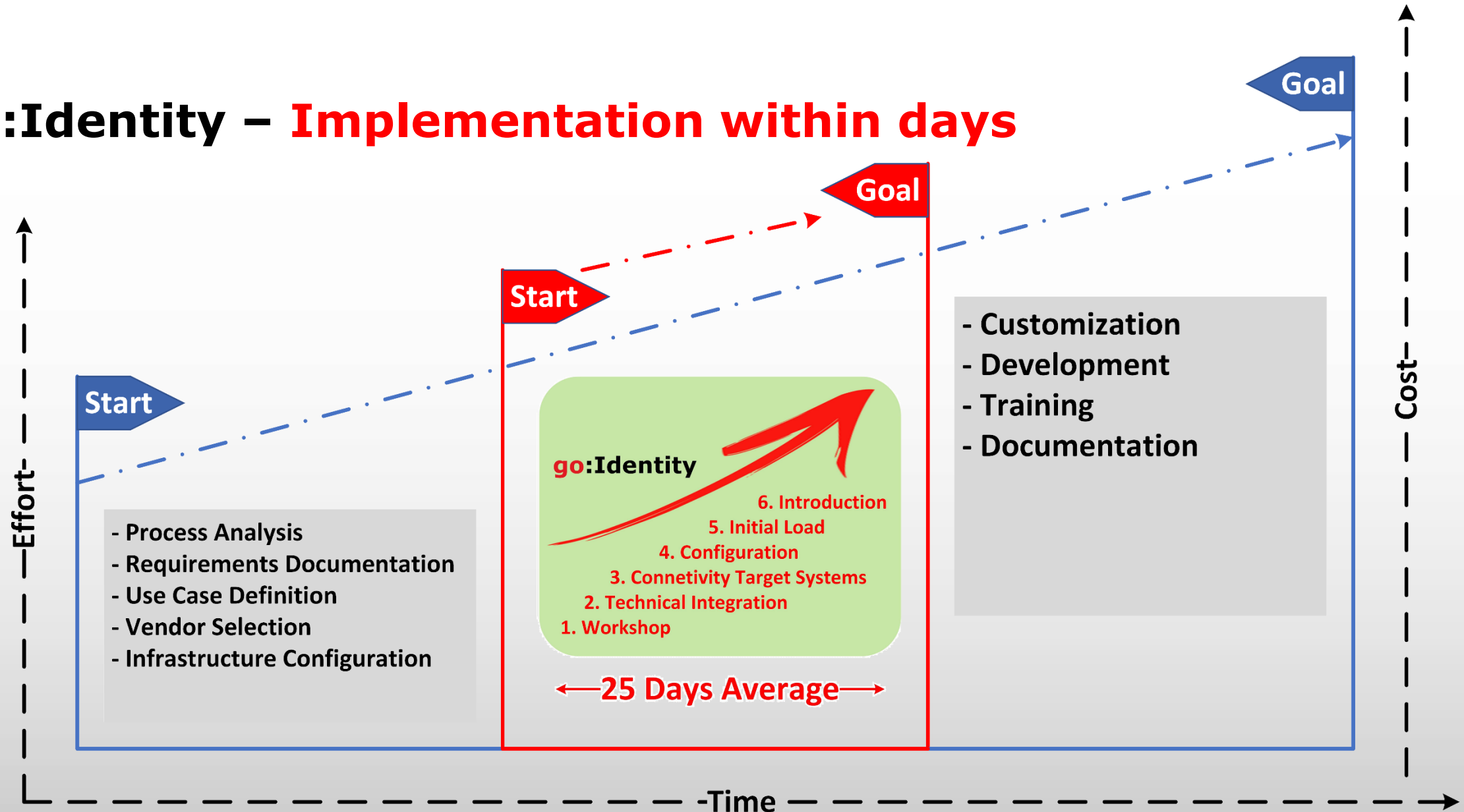


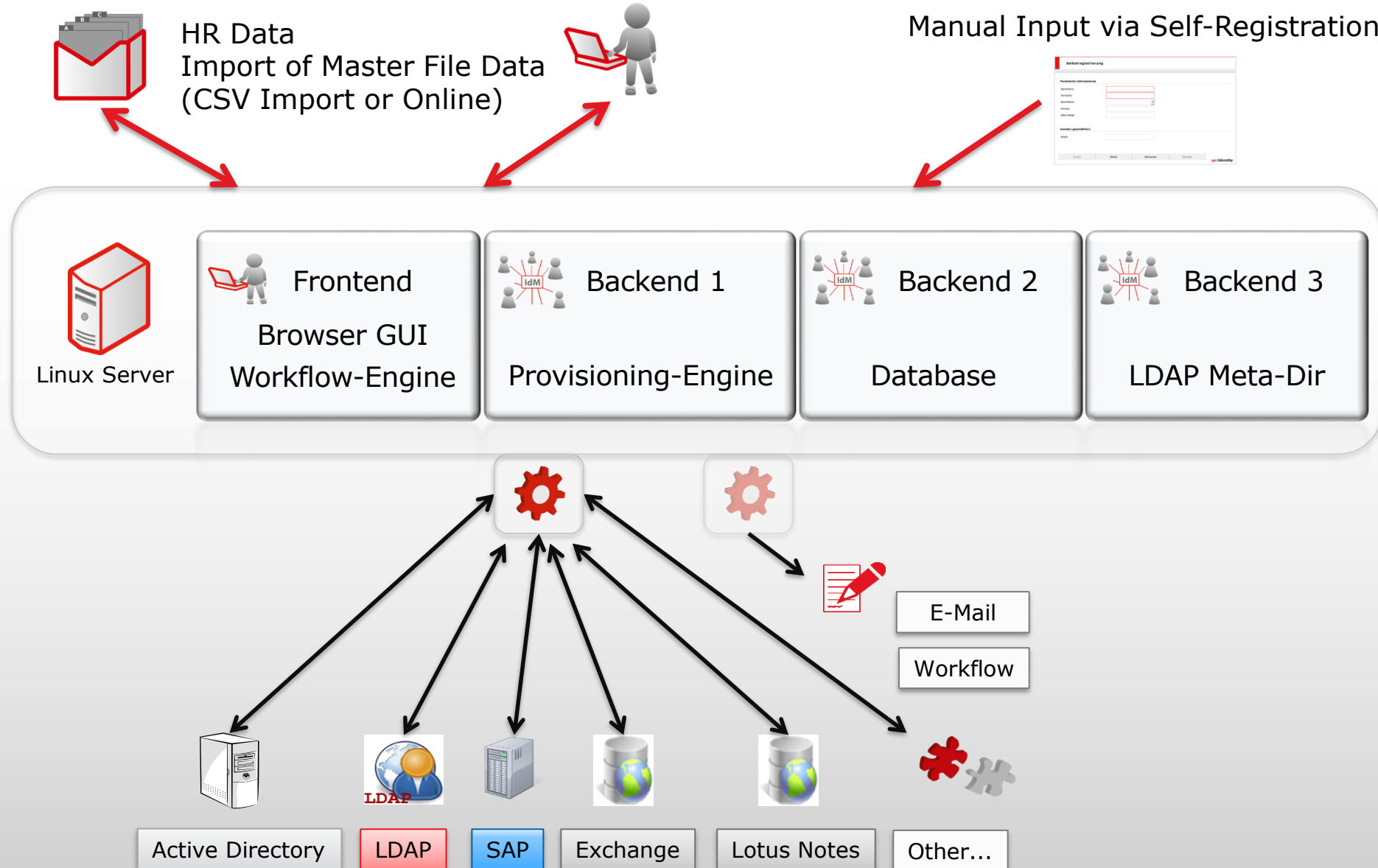
(Re-)Certification of Identities, Accounts, Roles, Entitlements and Org Units



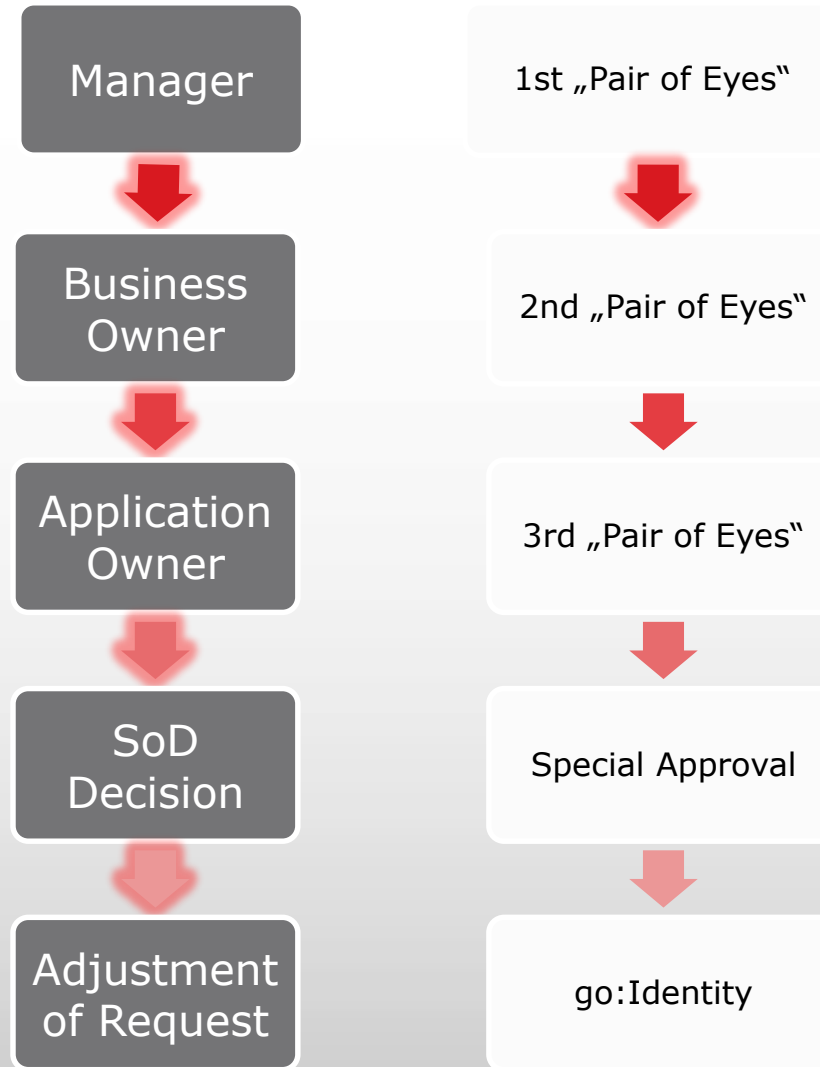
E-Mail Integration, Generation Rules and Multi-Language

go:Identity – Implementation within days





The „Universal Process“



Role Definition

Manager Approval	
✓ Assignment	<input checked="" type="checkbox"/>
✓ Revocation	<input checked="" type="checkbox"/>
Role Owner Approval	
✓ Assignment	<input checked="" type="checkbox"/>
✓ Revocation	<input checked="" type="checkbox"/>
Additional Approval	
✓ Assignment	<input checked="" type="checkbox"/>
✓ Revocation	<input checked="" type="checkbox"/>
In case of Segregation of Duty Execution	
✓ Exception Approval	

Connection of further Systems

Available and usable connectors for a number of target systems, e.g.:

- ✓ Directory Services: Active Directory, LDAP
- ✓ OS: UNIX/Linux
- ✓ E-Mail: Exchange, Lotus Notes
- ✓ Database: Oracle, MS SQL Server, MySQL, PostgreSQL
- ✓ Enterprise Systems: SAP
- ✓ Cloud: Office365 (Office & Azure AD)
- ✓ Connector Framework for Extensions: „Any Powershell“ (Powershell Scripting), „Any Command“ (Shell Scripting), „Any Database“ (SQL Sripting)
- ✓ Integration with APIs und CLI's

Integration of closed / autarkic Systems

✓ Via Workflow-Processes

- ✓ Tasks for Provisioning Operations as Workflow Tasks
- ✓ Handling in the Self-Service UI
- ✓ Acknowledge of Operation

✓ Via E-Mail

- ✓ E-Mail Notification with Tasks for Provisioning Operations
- ✓ Usage of E-Mail Templates

Roles = Permissions

**Consolidation of
Permissions to Roles**

**Flexible Approval
Control**

Dynamic Permissions

Organizational Units

**Org Structure with
Manager and
Substitute**

**Locations, Projects
and Job Descriptions**

**Dynamic Permissions
with Inheritance**

Employees & Consumers = Identities

**Lifecycle Management
of internal and
external ID's**

**Delegated
Administration**

**Central View on
Accounts and
Permissions**

Self-Service & Automation

**Workflows for
Request and Approval**

**Joiner, Leaver &
Lifecycle Processes**

**Password
Management and
Registration**

Recertification and Compliance

go:Identity provides



A complete IAG Package



Calculable Cost



Rapid and prompt Deployment because of Standardization



Required Workflows, Processes, Functions and UI instantly available



Seamless and uncomplicated Integration



Roadmap

Motivation for Consumer Identity and Access Management

- ✓ Customers share Information for Benefits
- ✓ Business demands Transparency about Activity and Identity of Users and Visitors of their Online Services
- ✓ Business demands immediate and flawless Identification of their Visitors/Consumer
- ✓ Business demands Support for personalized Sales Activities

Challenges -> Solution

- ✓ Best practises CIAM? -> Self-service Registration and Social Media Integration
- ✓ Large Number of Objects -> Improved Scalability and Performance by day 1 (GraphDB!)
- ✓ Consolidation of Identity Silos -> Simplified IAG and improved Self-Service/Authn/n for consumers
- ✓ Transparency for Business -> Tight integration with CRM applications and WAF provider

Treat your consumer well with ...

- ✓ ... a simplified Registration, e.g. with Social Media
- ✓ ... Identity Validation
- ✓ ... effective and easy Identity Management
- ✓ ... Identity Deactivation
- ✓ ... Secure Login Procedures, e.g. with Federation and Social Media Integration
- ✓ ... the Adaptation of internal and external Policies
- ✓ ... an Integration of/into the Organizational Processes
- ✓ ... Functional Integration into existing Portals

Benefit from ...

- ✓ ... Simplicity, Security and Effectiveness
- ✓ ... Personalization of Customer Activities
- ✓ ... Enhanced Profiling
- ✓ ... Enhanced Data Integrity
- ✓ ... Reduction of Data Inconsistencies

Benefit from ...

- ✓ ... Seamless Integration into existing Platforms
- ✓ ... Intuitive usability for Endusers
- ✓ ... Avoidance of Media Discontinuities
- ✓ ... Modern Technologies
- ✓ ... Rapid deployments with short, cost-efficient introductory periods

Motivation for IoT

- Linkage and Relationship Management of different Devices and Objects
- Information required from all Lifecycle Aspects
- Establishing Customer Loyalty by IoT
- Improved Security for IoT Management and Communication

Challenges -> Solution

- Linkage/Relation of Device to Identity -> dynamic data model, API integration for Mgmt
- Complexity of Infrastructure -> API approach and consolidation of Identity & IoT services
- Complexity of Linkage and Relation -> dynamic data model, API integration for Mgmt
- Security -> Cooperation with Endpoint Encryption Provider
- Massive scalability -> GraphDB(!)



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Thank You!