Lifecycle Management

Leveraging customized reports and Integration API

Benjamin Lammel
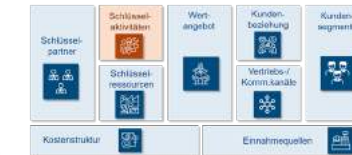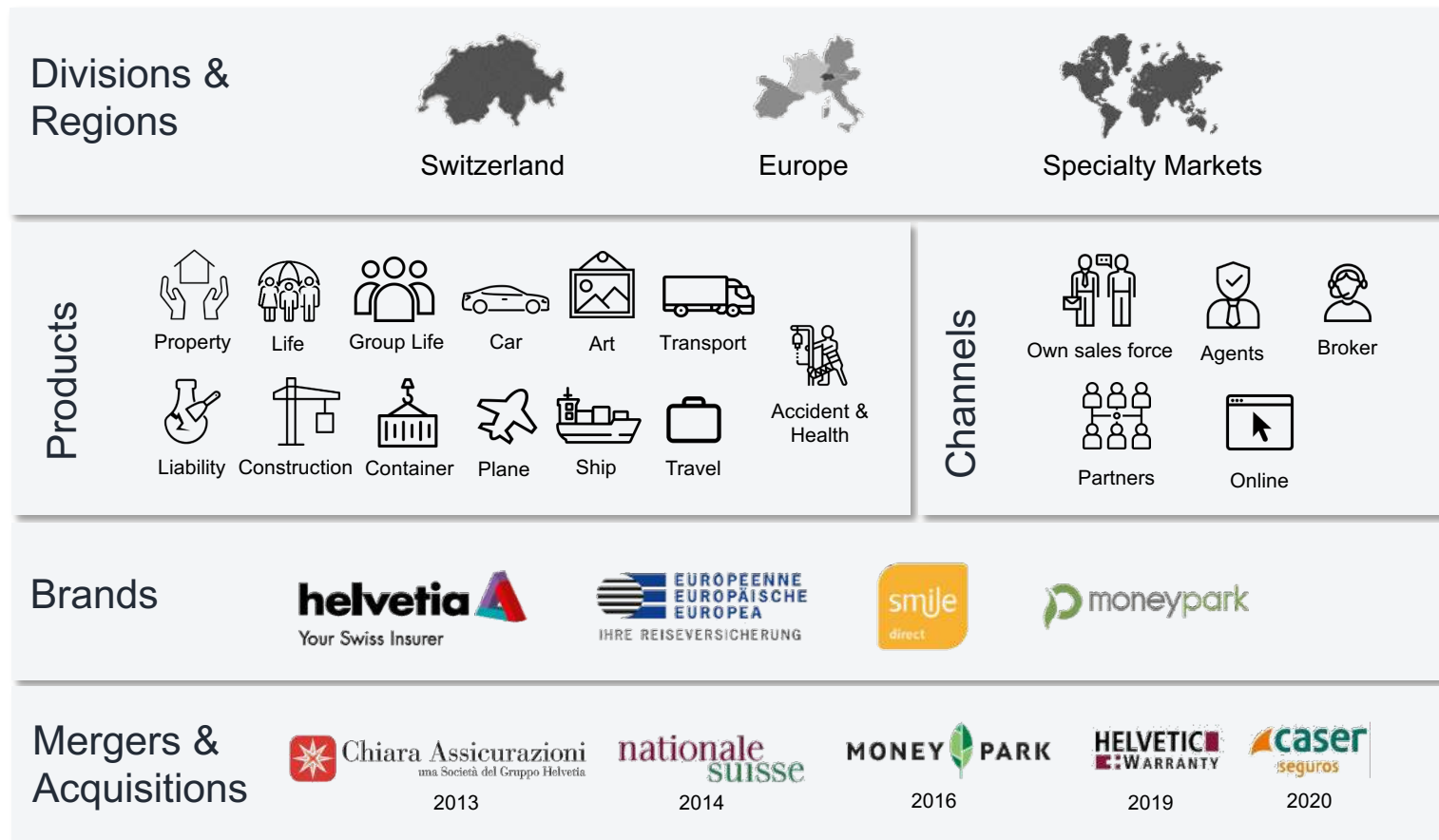Enterprise Architect

Helvetia Insurance
Bonn, 02.09.2020
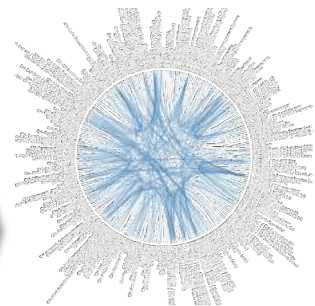
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Helvetia Introduction
The Case for Enterprise Architecture Management

Helvetia is a **Swiss** all-lines insurer (Top 3) with business in **four European countries** and in **selected niche markets worldwide** (**Specialty Markets**).

Helvetia Introduction
LeanIX Customer since 6/2014

IT Landscape footprint

Domain	21
Biz. Capability	157
Process	123
Business Area	76
Project	680
Application	1592
Interface	1871
Information Object	229
IT Component	850
Provider	411
Tech. Domain	40
Report	3

Business Process Management

Application Development

GDPR & Privacy Management

IT Strategy

Architecture Management ⟷ EA Repository leanIX

Procurement

Information Security

IT Cost Controlling

IT Service Management

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Agenda

Problem

Data Sources &
Integration

Summary

Definition &
Scope
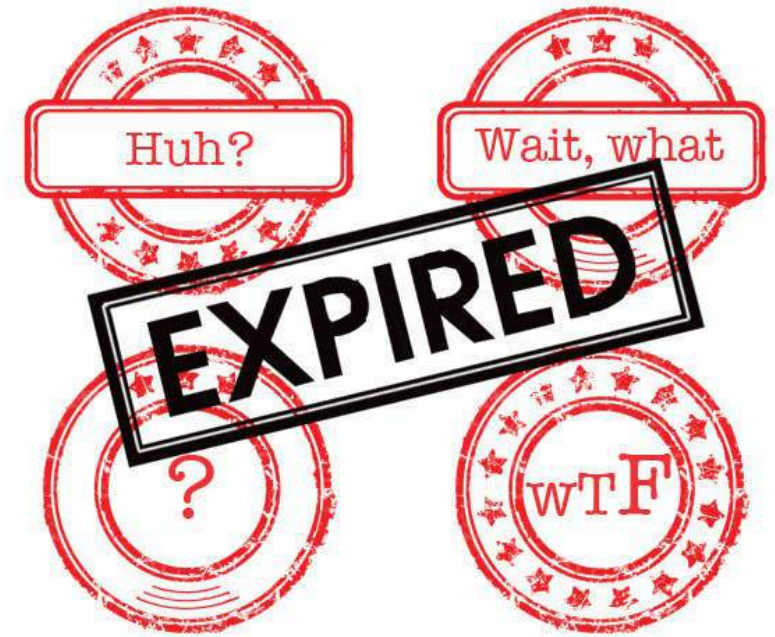
Reporting

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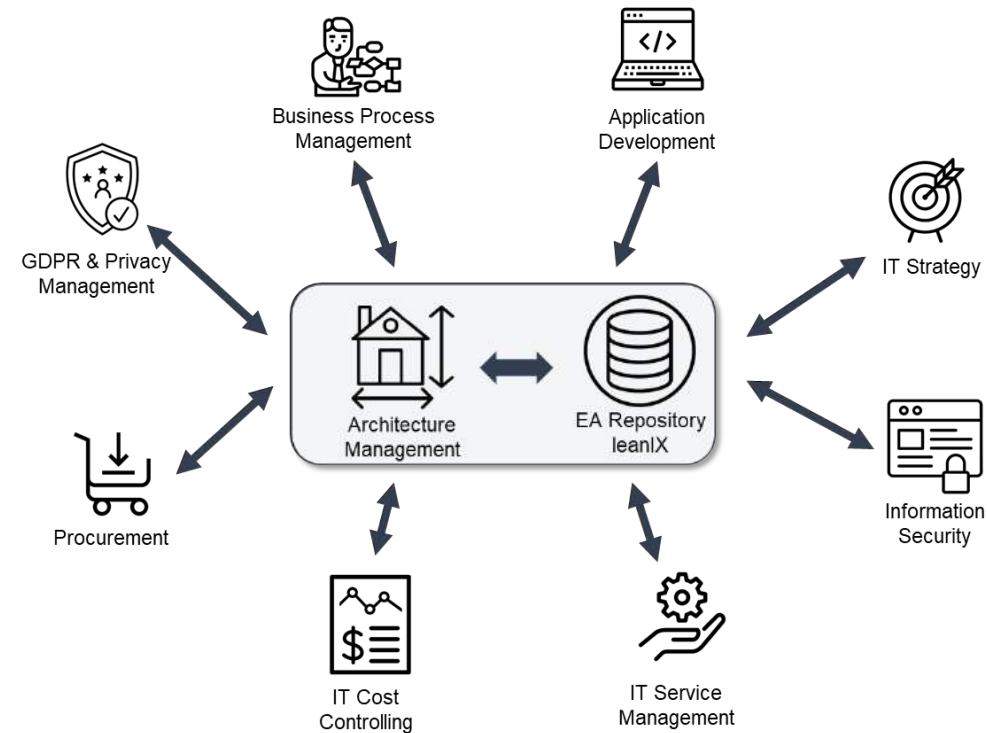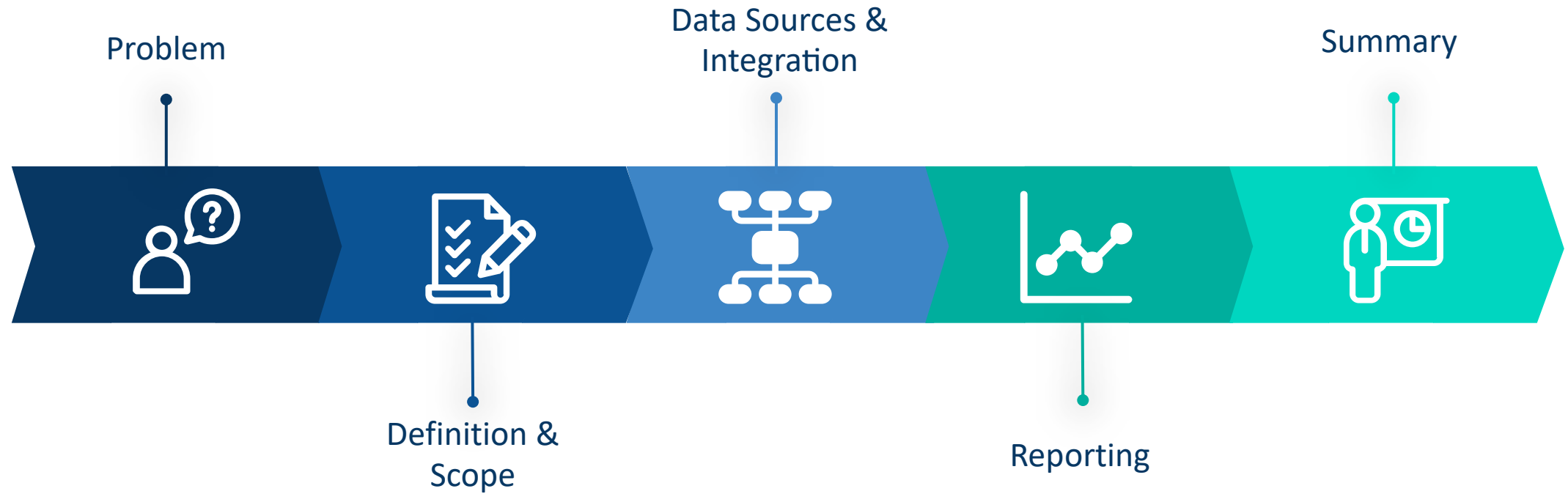
What is Lifecycle Management?
The Expiration Date of IT Components

What is Lifecycle Management?
Focus & Goals

Monitoring the technical lifecycles of applications, based on the underlying IT components with focus on end-of-life

Goals:

- Increase landscape transparency

- Support landscape planning

- Increase risk awareness

- Input for budget planning

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Typical Lifecycle Stages
Different Lifecycles for Apps & Components

IT Component Lifecycle e.g.
Windows Server 2019 Standard
Angular 10.x
…

lifecycle start date

mainstream support end date

extended support end date

Full Support

Maintenance Support

Extended Support Phase

No Support Phase

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Typical Lifecycle Stages
Different Lifecycles for Apps & Components

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Angular 10.x
…

lifecycle start date

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extended support end date

Full Support

Maintenance Support

Extended Support Phase

No Support Phase

Application (Helvetia) Lifecycle
e.g.
Customer Portal
Jira
…

manage additional costs

manage risks

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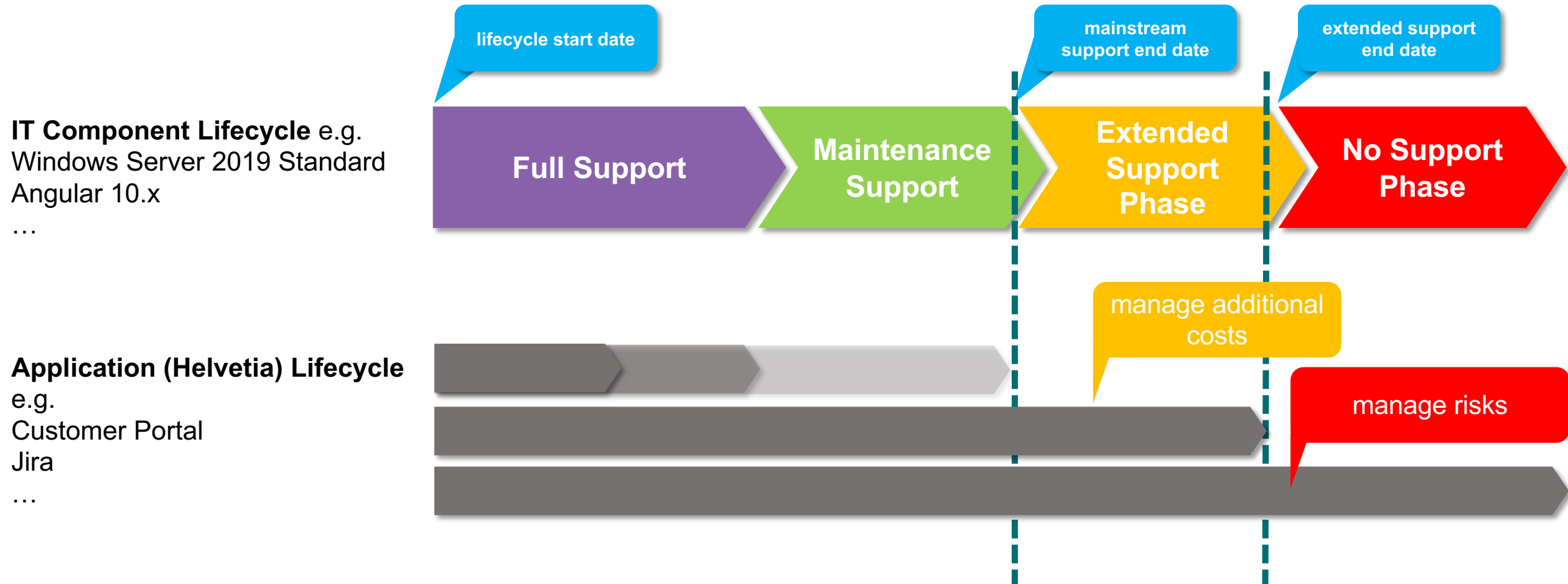
Component & Version Scope
The Ops Responsibility Defines the Tracking Scope

In-house development	Standard software	IaaS	PaaS	SaaS
Application	Application	Application	Application	Application
Middleware	Middleware	Middleware	Middleware	Middleware
Runtime	Runtime	Runtime	Runtime	Runtime
Database	Database	Database	Database	Database
OS/Container	OS/Container	OS/Container	OS/Container	OS/Container

Lifecycle Management

Semantic Versioning: **MAJOR**.*MINOR*.PATCH

Patching & Hardening

Lifecycle Management

Lifecycle Management or Provider

Provider

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Data Sources
Redirect Data to the Architecture Repository
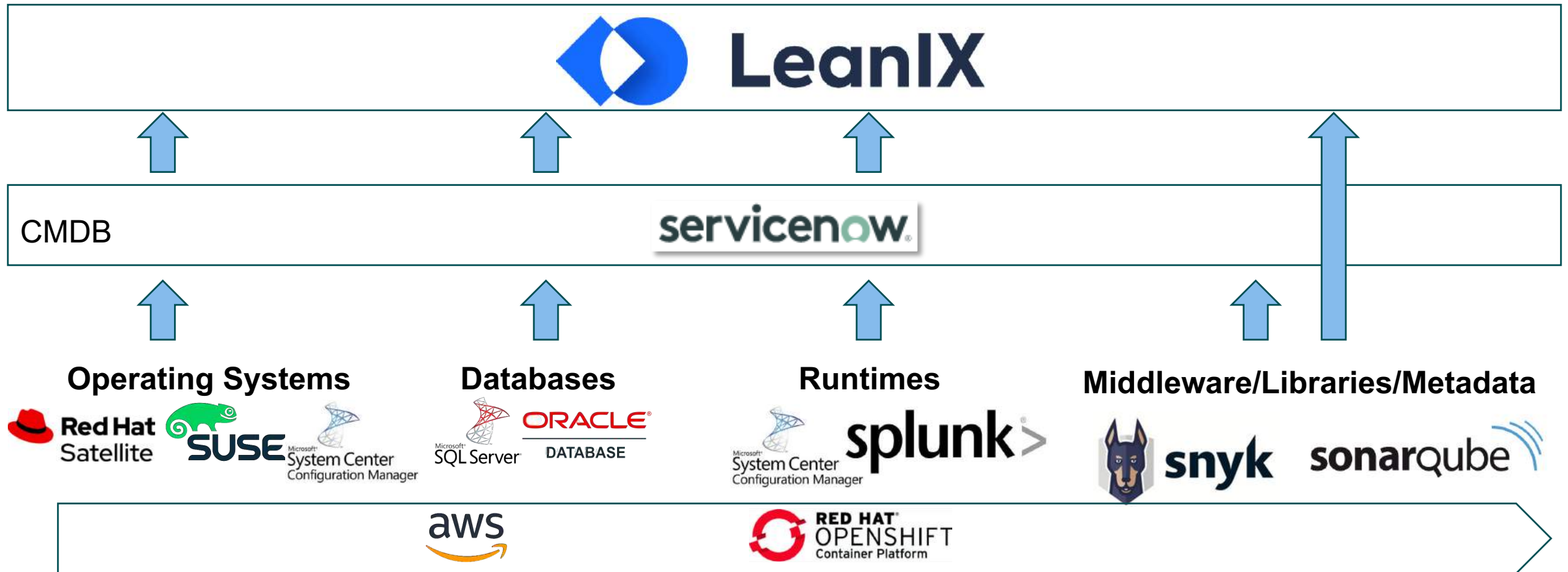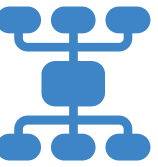
Integration
Whitelisting Required Components
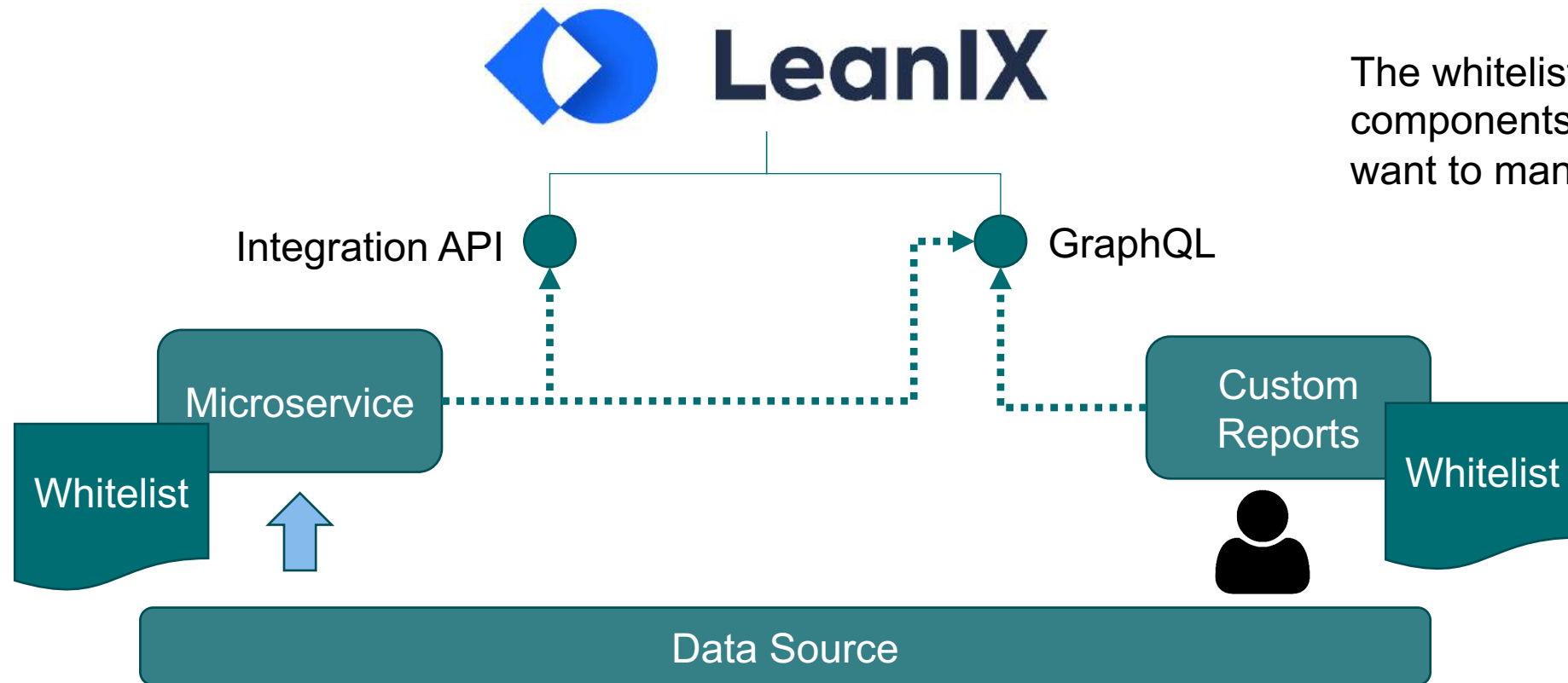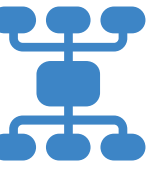
The whitelist defines the components that we want to manage
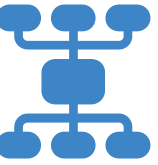
Import Procedure
IT Components have a Hierarchy too

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Business Area	76
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Application XYZ

uses component

Angular 9.x
externalId: @angular/core@9.x

Angular
externalId: @angular/core

has child

Import Source

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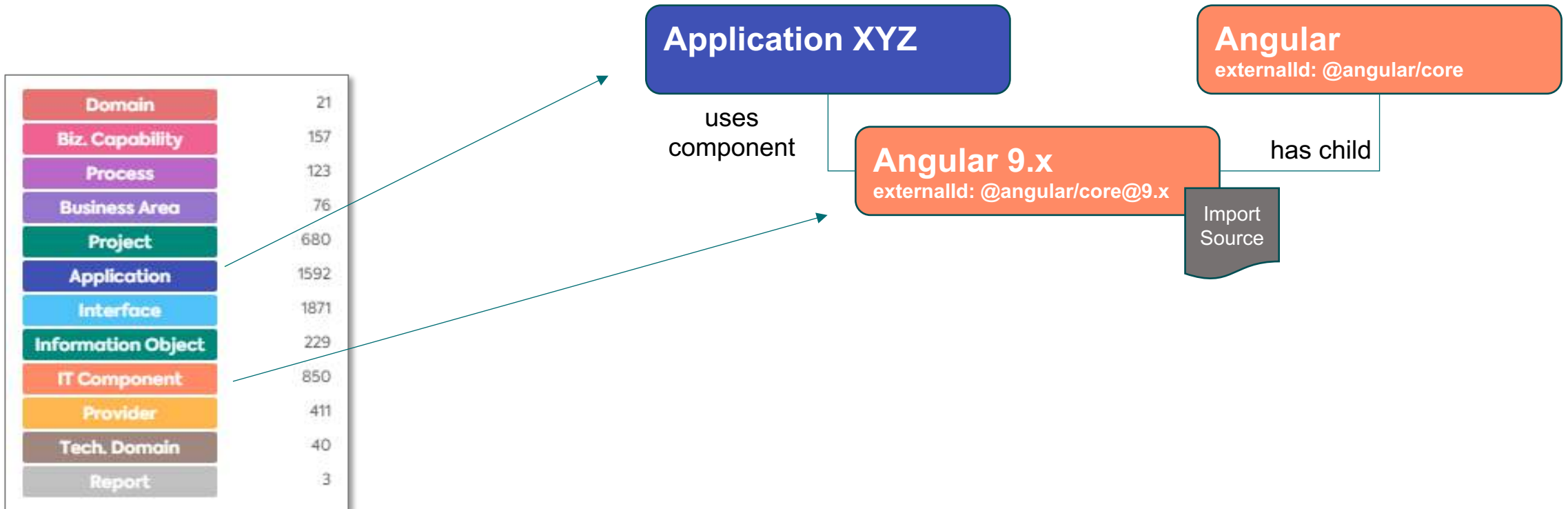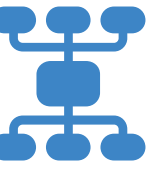
Import Procedure
Tags Help to Identify Obsolete Relations

Four steps to update LeanIX
1. Delete relation application - component
2. Create component (if it does not exist already)
3. Relate application - component
4. Relate component - component

Delete Relation
The deletion of the relation is controlled by a tag.
e.g.   CMDB: Operating System
        Snyk: Dependencies

Application XYZ

Angular
externalId: @angular/core

uses component

Angular 9.x
externalId: @angular/core@9.x

has child

Import Source

Angular 10.x
externalId: @angular/core@10.x

Import Source

1

2

3

4

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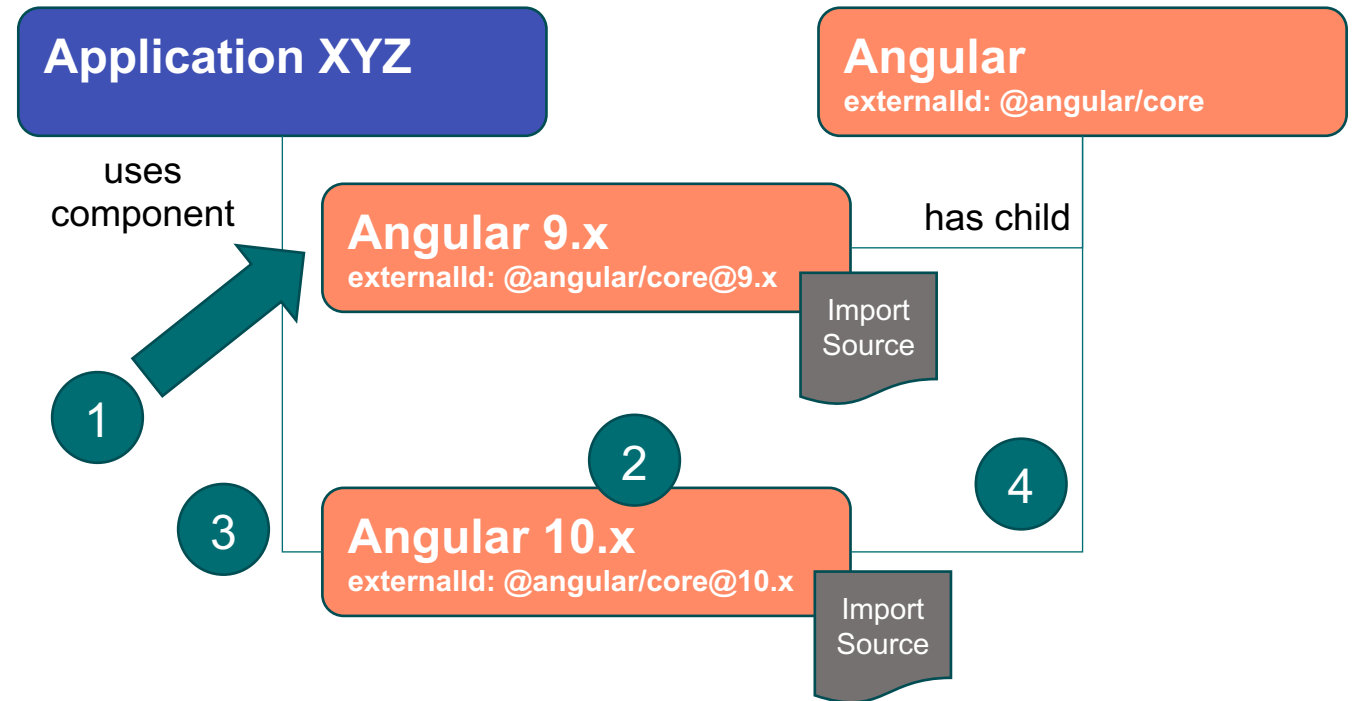
Custom Import Report
Manual Upload for some Use Cases

Application Lifecycle View
Custom Report

IT Component Lifecycle View
Custom Report

Identify the lifecycle of the it components and how often it is used in applications

IT Component Phase Change View
Custom Report

Identify the phase changes of IT components for a defined time frame

IT Component Criticality
Custom Report

Identify the importance of the IT component based on the criticality of the application that uses it

Custom Report Stack
Ingredients

UI Framework		**Ant Design**
web application framework		**React**
Code		**TypeScript**
Library/CLI	**@leanix/reporting**	

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Summary

- Define the scope and use cases for the Lifecycle Management

- Lifecycle Management is a widely used term, sometimes a wildcard for *.*

- > 80% of time will be identifying data sources, artefacts and finding ways for mapping

- Automatize the "data entry" as much as possible – manual data entry will lead to obsolete information

- Find alliances!

- Be patient!

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