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# How can I document IT landscapes, keep them up-to-date and detect changes?

Alex Aschauer, Fabian Klose & Matthias Scholze | Online web session | June 14, 2022

### Motivation & objectives

### Why do I need the IT landscape inventory?

- Basis for analyses, verification, reporting and decision-making
- Existential process information (ITSM, GRC, ISMS)
- Knowledge access and transfer for employees
- Requirement for certifications and regulation

#### Inventory requirements

- Completeness and correctness
- Up-to-dateness
- Human readable and machine processable

### The challenge

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- ▲ Employees do not like (motivation)
- ▲ Insufficient quality
- ▲ High workload in terms of time

### ▲ Frequent changes (container)

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# Automation

### The Reward

- Employee effort to obtain information
- Better decisions based on objective facts
- Basis for automation and digitalization



**Regulatory requirements** 

BaFin

**Regulatory requirements for IT** 

(Bankaufsichtlichen Anforderungen an die IT, BAIT)

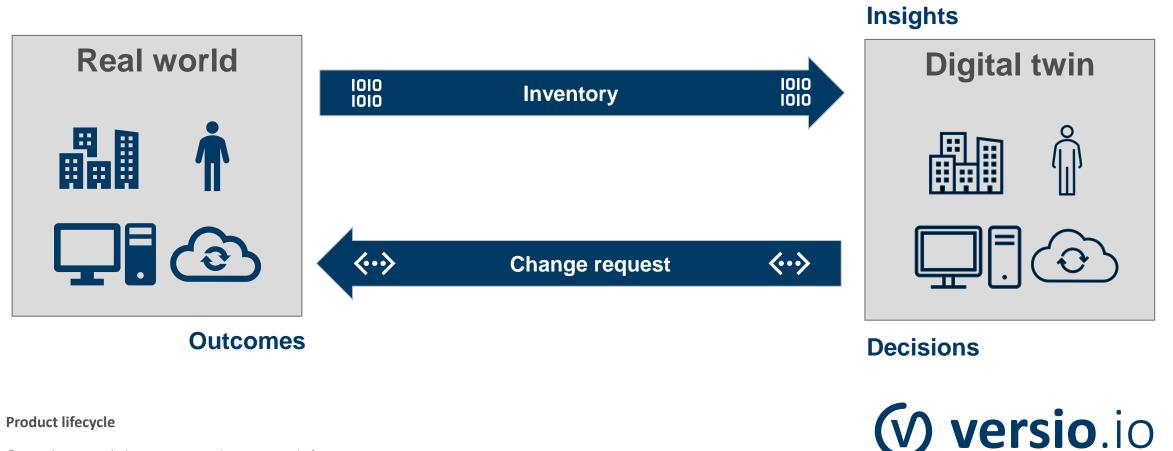
The components of the IT systems and their relationships to each other shall be managed in a suitable manner and the <u>inventory data</u> recorded for this purpose shall be <u>updated regularly</u> and on an ad hoc basis. updated regularly and on an ad- ditional basis.

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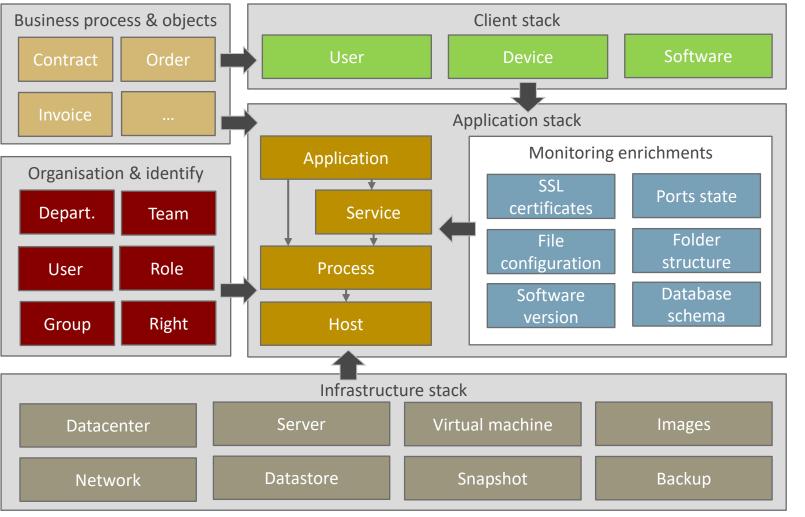


### **Digital twin - IT infrastructure & application inventory** What is a digital twin?

A digital twin is an image of the real world in a digital representation. It enables the analysis and verification of the real world without direct access to it.



What can be inventoried in a company?



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Information technology

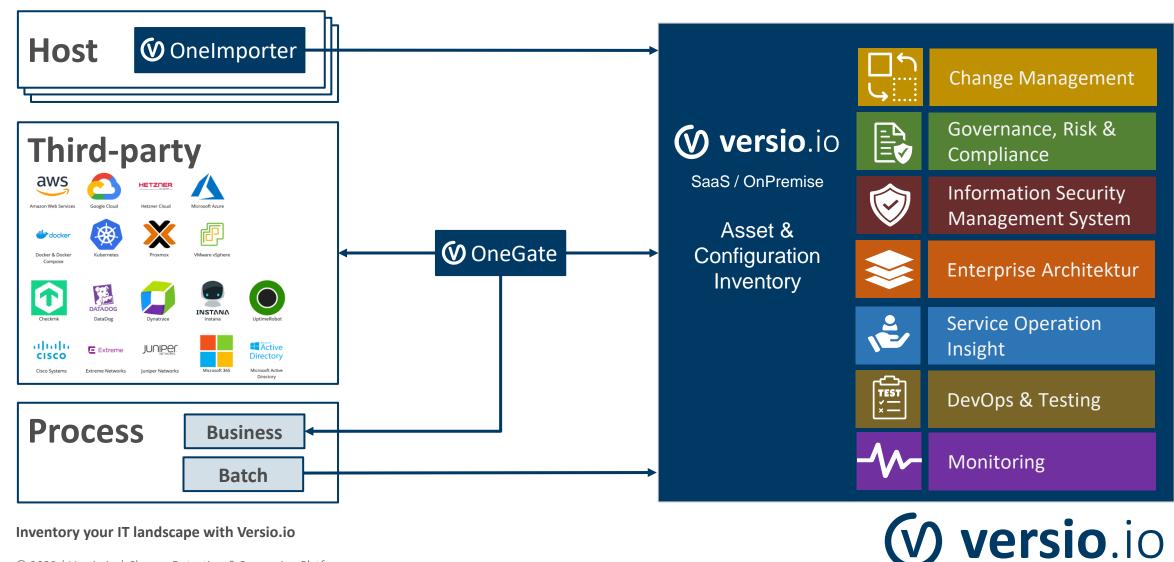
- Backend Infrastructure
  - Cloud and container
  - Datacenter and virtualization
  - Server, storage & network
- Workstations
  - Desktop computer
  - Smart devices

#### Don't forget

- Organisation
- Business
- Production



How does the automated inventory work?



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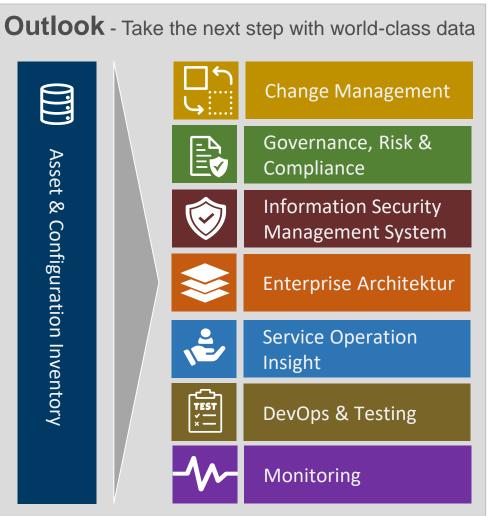
Summary & outlook

### Summary

- The creation and updating of documentation
  - -can be extensively automated and
  - -saves us unpopular staff work and poor quality.

### The <u>central availability of information</u>

- -saves staff time for procurement
- -improves IT development and IT operations, and
- -increases security, as no direct access is necessary.
- <u>Topologies</u> make the masses of information manageable and controllable.





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# Thank you for your interest. Now is time for your questions?

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