



Full-stack Change Detection and Processing for IT & Business

Matthias Scholze | May 5, 2021

Full-stack Versio.io

Agenda

- Motivation & conceptual introduction
- Versio.io live demo
- Use case scenarios
- Questions & Answers

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Motivation & conceptual introduction

Companies need to understand their world at all levels

- **Information availability**

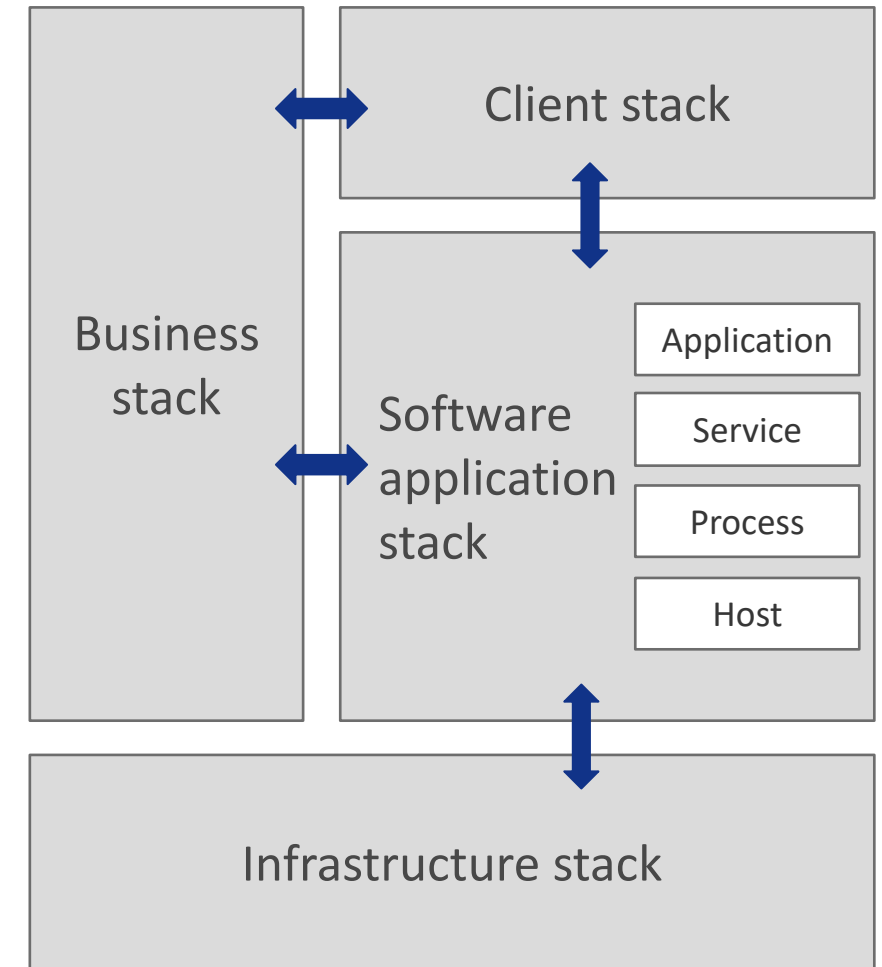
Understand the core elements of a complex business and IT landscape and recognise their relationships.

- **Efficient and formalised**

Do it fully automated and deliver in real time.

- **Automate yourself**

Digitisation of the customer business and DevOps based on objective facts.



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Motivation & conceptual introduction

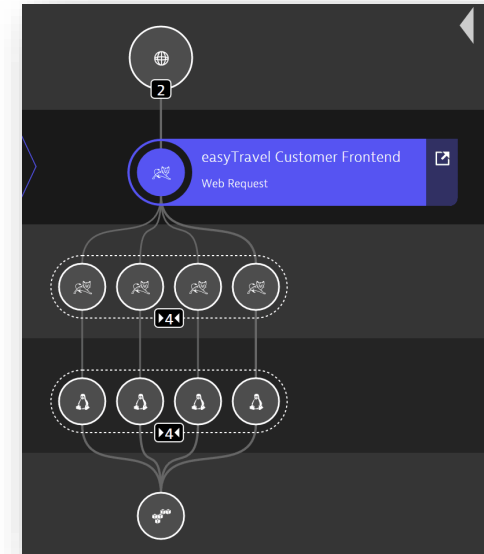
Versio.io until now:

- Import topology data from Application Performance Monitoring (APM) solutions.

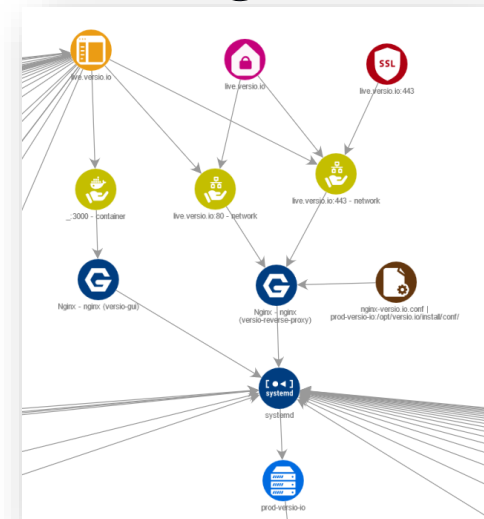
What can Versio.io's fullstack approach do for customers now?

- Supports customers who ...
 - do not have APM solutions in place.
 - use APM solutions only for core applications.
- Enriches monitoring with text-based artefacts
 - SSL certificate, configuration files, API specification, database schema, etc.
- Supports a inventory topology
 - not only capture consumption-based resources as APM solutions do

dynatrace



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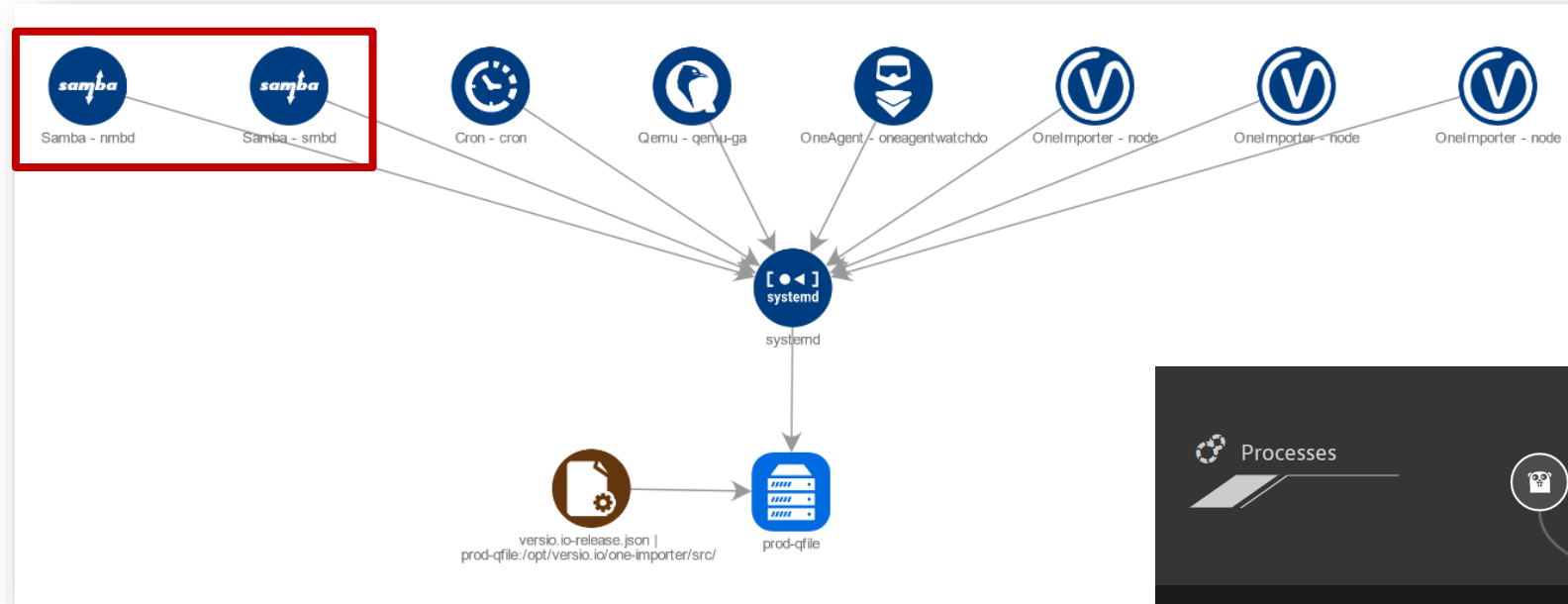
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Full-stack asset & configuration repository for IT & business

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Inventory versus monitoring topology

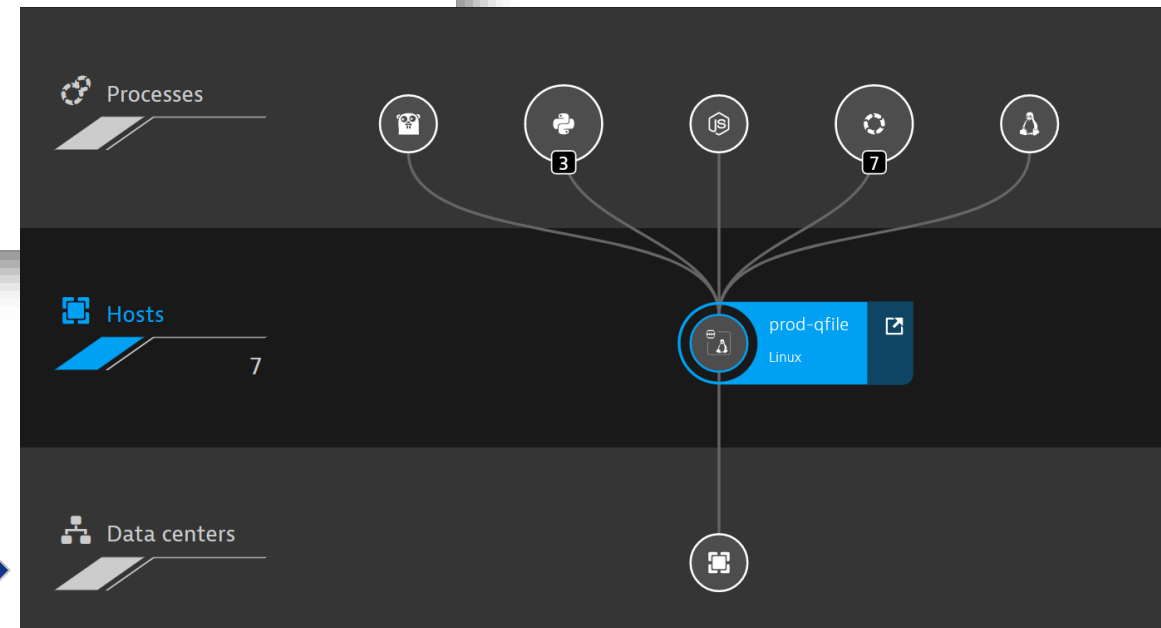


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consumption based

content based

 dynatrace



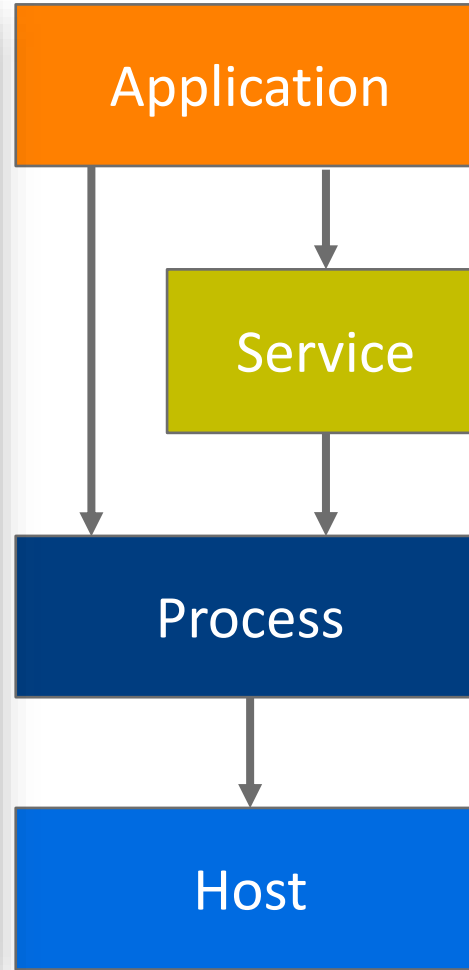
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Host Process Onelmporater detected entities and relations



- Host
 - Hardware, OS, Network and Mounts etc.
- Process
 - Filter processes based on black/white list
- Service
 - Abstraction of port-based services provided by processes
 - E.g. databases, web services, message queues
- Application
 - Assignment of processes and services to applications (env var or manual)

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Live demo

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Management

Dashboard

Events & actions

Asset & configuration repository

Instance viewer

Operations diary

Data analysis

Topology analysis

Solutions

Governance & compliance

IT security

Cost allocation

Business process & job monitoring

Environment settings

search Versio.io Demo 2021:demo

Asset & configuration repositoryInstance viewerSsl certificateimage.versio.io:443

Instance history viewer

Get an overview of the state changes over the entire lifetime of the instance.

image.versio.io:443

SSL-CERTIFICATE-4f48f189a8fe2515cd5d46bb8439285c5df42f36

Current instance state

Subject [1]

Issuer [3]

Subjectaltname

Info access [2]

Modulus

Bits

Exponent

Pubkey [2]

Valid from

Valid to

Fingerprint

Fingerprint256

Ext key usage [2]

Serial number

Raw [2]

Pem encoded

Domain

Port

Display name

Versio thresholds [2]

2 hours ago

Fri, 21-05-21, 10:05 AM

9 Changes

Modulus

Pubkey [2]

Hash data

Valid from

Valid to

Fingerprint

Fingerprint256

Serial number

Raw [2]

Hash data

Pem encoded

50 days ago

Thu, 01-04-21, 8:28 AM

Created with 20 attribut

Subject [1]

Issuer [3]

Subjectaltname

Metadata

A summary of all relevant metadata of the instance.

Entity

Ssl certificate

Entity name

None

Source

Instance

image.versio.io:443

SSL-CERTIFICATE-4f48f189a8fe2515cd5d46bb84

Changed

State

2

Changes

Thu, 01-04-21, 8:28 AM

Created

Fri, 21-05-21, 10:05 AM

Last change

Fri, 21-05-21, 12:05 PM

Last update

0

Indirect relations

0

Topologies

0

Direct relations

Instance change history

The time-related visualisation of all changes to the instance.

50 days ago

Thu, 01-04-21

Now

Fri, 21-05-21

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Use case scenarios

Versio.io asset & configuration repository (→ CMDB)

- High transparency full-stack IT and application stack data.
- Enrich monitoring and inventory topologies with Versio.io instances (SSL certs, port scans, file etc.).
- True inventory topologies through content based detection (guaranteed process & service detection).

Versio.io solutions

- Versio.io's value-added solutions can be used to process full-stack data:
 - Data and Topology analysis
 - Governance & Compliance
 - IT Security
 - Cost allocation

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Questions & Answers

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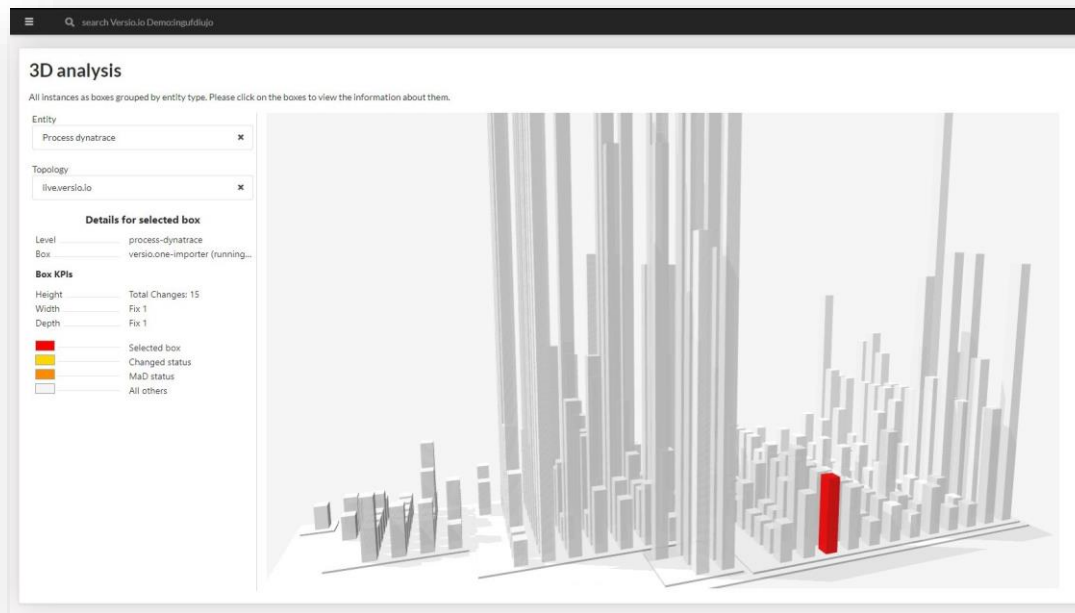
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One more thing - What's coming soon!

3D analysis of Versio.io data

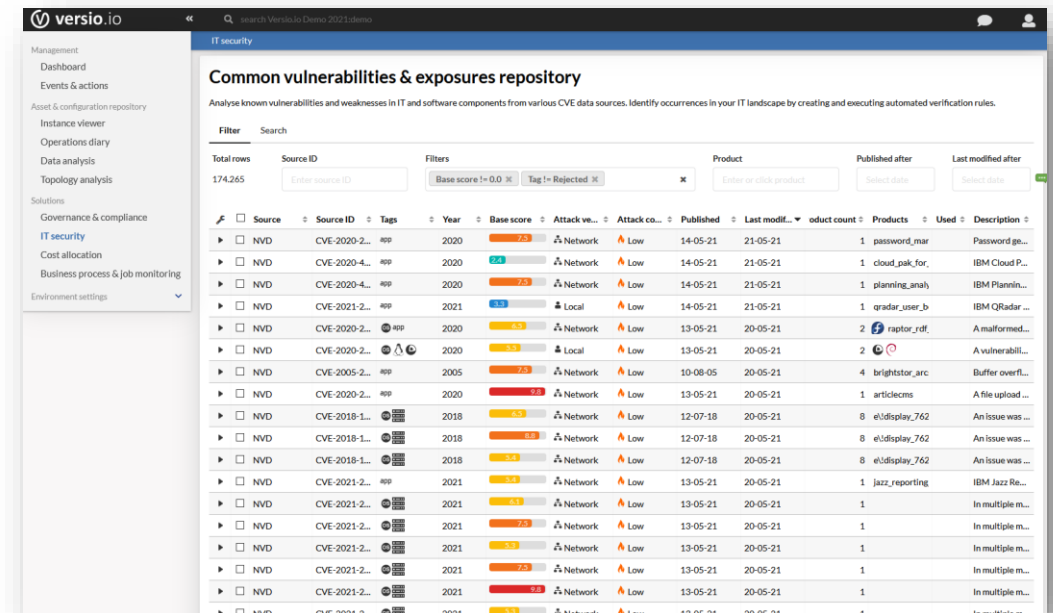
4x metrics (high, width, depth)



Planned for Release 2021.07

End-of-Life content

End of product maintenance & support



Planned for Release 2021.08



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Thanks for your interest

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