centris

Transparency With Red Hat Developer Hub

For You and Your Customer

centris

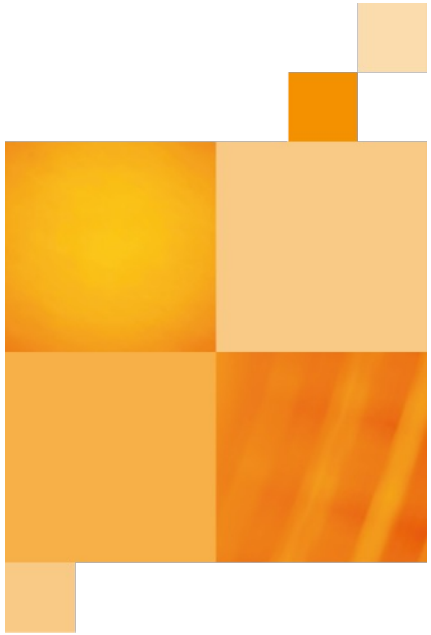# Who Are We?

David Studer
Product Owner

Christian Sanabria
Principal Architect, Director
Platform & RedHat Expert

The Largest Health-Insurance-Ecosystem In Switzerland

Centris offers Swiss health and accident insurers a full range of services related to the development and operation of IT solutions, providing automated support for their business processes.

Facts & Figures

23 Satisfied Customers

CSAT 83% in 2023

29 Business Services

103 Service Options

330 Employees

Largest pool of professionals in the industry in Switzerland

28 Business Partners

Exclusive partnership with Adcubum AG

CHF 103 Million Revenue

Increased 2 ½ fold since company established

Established in 2002

Centris AG

CHF 5 Million Innovation

Investment per year

4.3 Million Insured

On the Centris systems

15 Years of Transformation

to the Swiss Health Platform

8 000 Clerks

Use Centris systems daily

CHF 1.3 Billion Premium Income

Managed in the area of KVG/UVG

Security Scorecard: 97

Rating out of 100 in 2024

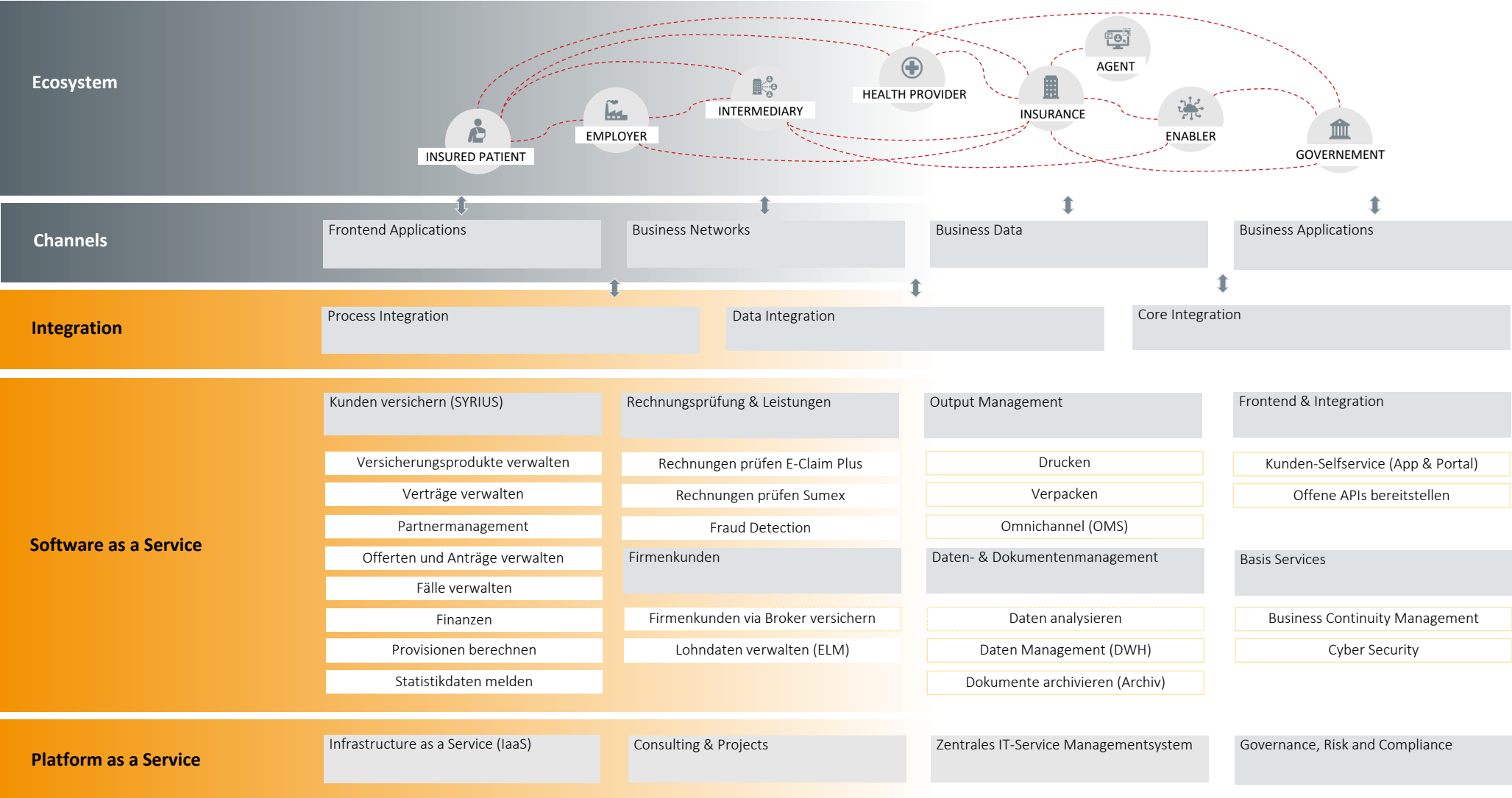# We Connect Stakeholders In The Healthcare Sector

Centris uses an **open, cloud-based platform** to connect the various stakeholders in the Swiss healthcare sector and support the **digital transformation** of health and accident insurers.

At the core of the offering is the **Swiss Health Platform (SHP)**, providing a multitude of business services.
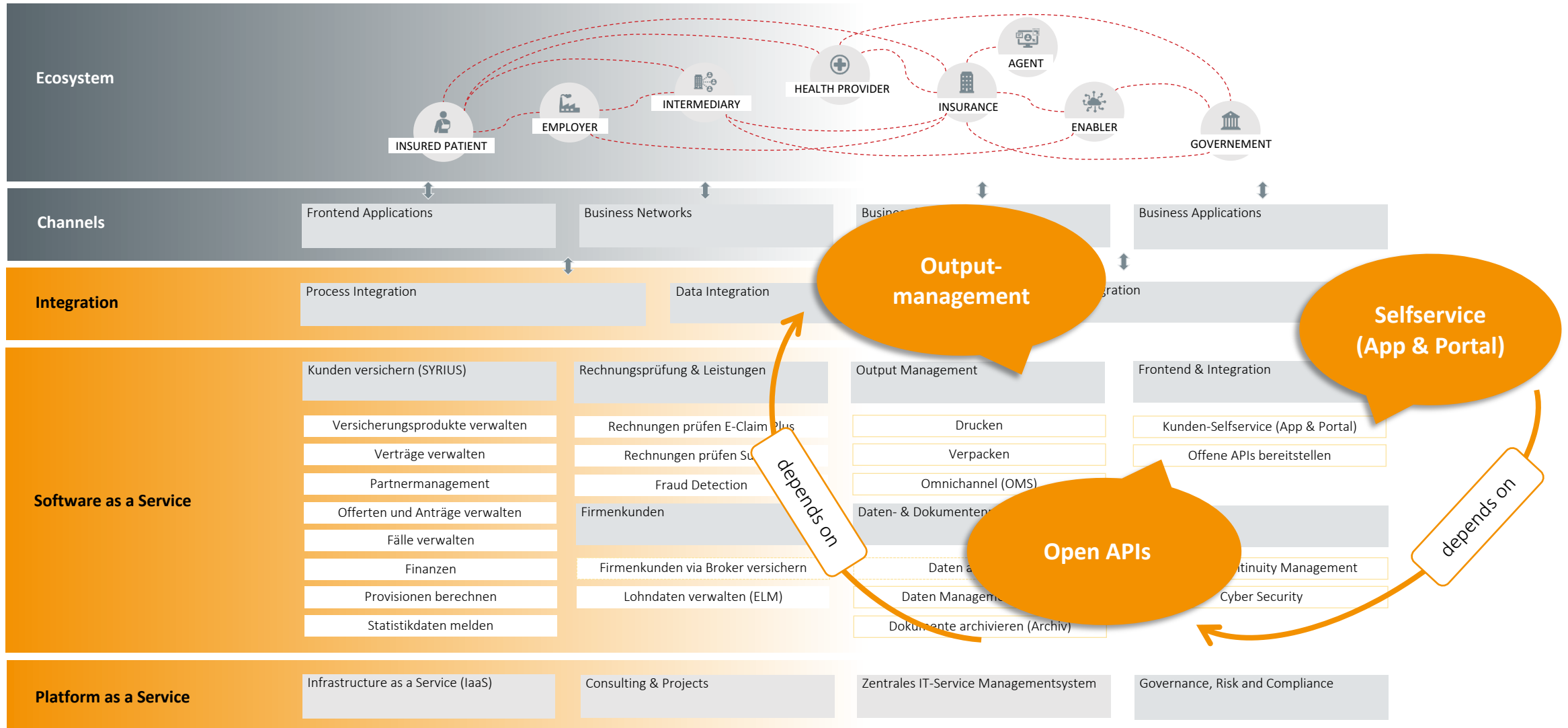
From design to operation, **customers can rely** on the **expertise** of our experienced consulting teams.
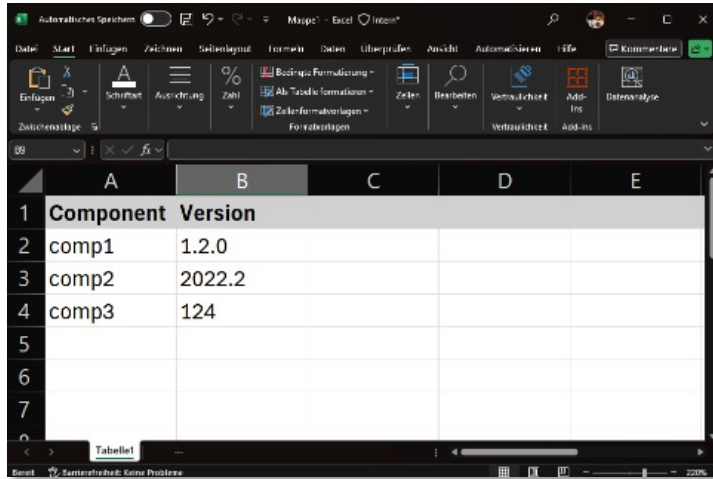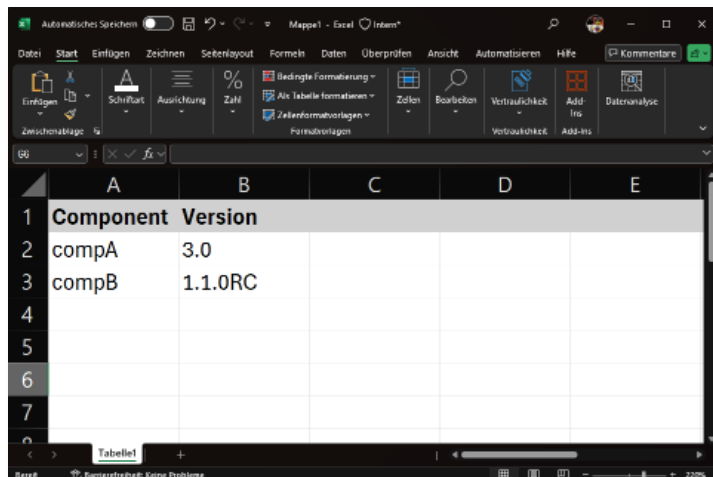
The Swiss Health Platform

Ecosystem

- AGENT
- HEALTH PROVIDER
- INTERMEDIARY
- EMPLOYER
- INSURED PATIENT
- INSURANCE
- ENABLER
- GOVERNEMENT

Channels

Frontend Applications	Business Networks	Business Data	Business Applications

Integration

Process Integration	Data Integration	Core Integration

Software as a Service

Kunden versichern (SYRIUS)	Rechnungsprüfung & Leistungen	Output Management	Frontend & Integration
Versicherungsprodukte verwalten	Rechnungen prüfen E-Claim Plus	Drucken	Kunden-Selfservice (App & Portal)
Verträge verwalten	Rechnungen prüfen Sumex	Verpacken	Offene APIs bereitstellen
Partnermanagement	Fraud Detection	Omnichannel (OMS)	
Offerten und Anträge verwalten	Firmenkunden	Daten- & Dokumentenmanagement	Basis Services
Fälle verwalten			
Finanzen	Firmenkunden via Broker versichern	Daten analysieren	Business Continuity Management
Provisionen berechnen	Lohndaten verwalten (ELM)	Daten Management (DWH)	Cyber Security
Statistikdaten melden		Dokumente archivieren (Archiv)	

Platform as a Service

Infrastructure as a Service (IaaS)	Consulting & Projects	Zentrales IT-Service Managementsystem	Governance, Risk and Compliance

What Does Product-Centric Mean?

Ecosystem				
	INSURED PATIENT	EMPLOYER / INTERMEDIARY	HEALTH PROVIDER / INSURANCE / AGENT / ENABLER / GOVERNEMENT	

Channels	Frontend Applications	Business Networks	Business	Business Applications

Integration	Process Integration	Data Integration	...gration	

Software as a Service	Kunden versichern (SYRIUS)	Rechnungsprüfung & Leistungen	Output Management	Frontend & Integration
	Versicherungsprodukte verwalten	Rechnungen prüfen E-Claim Plus	Drucken	Kunden-Selfservice (App & Portal)
	Verträge verwalten	Rechnungen prüfen Su...	Verpacken	Offene APIs bereitstellen
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	Offerten und Anträge verwalten	Firmenkunden	Daten- & Dokumenten...	
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Platform as a Service	Infrastructure as a Service (IaaS)	Consulting & Projects	Zentrales IT-Service Managementsystem	Governance, Risk and Compliance

Output-management

Selfservice (App & Portal)

Open APIs

depends on

depends on

What Does Product-Centric Mean?

From this

To this

```
schemaVersion: 2
product:
  name: product-1
  version: 1.5.0

products:
  - name: product-A
    version: 1.0.0
products:
  - name: product-B
    version: 2.0.0
```

```
schemaVersion: 2
product:
  name: product-B
  version: 2.0.0

components:
  - name: comp1
    version: 1.2.0
  - name: comp2
    version: 1.4.2
  - name: comp3
    version: 2.1.0
```

```
schemaVersion: 2
product:
  name: product-A
  version: 1.0.0

components:
  - name: compA
    version: 1.2.0
  - name: compB
    version: 1.1.1

products:
  - name: product-C
    version: 1.3.0

requirements:
  components:
    - name: compZ
      minVersion: "0.0.1"
      maxVersion: "2.0.0"
```

How Do Customers get their information?
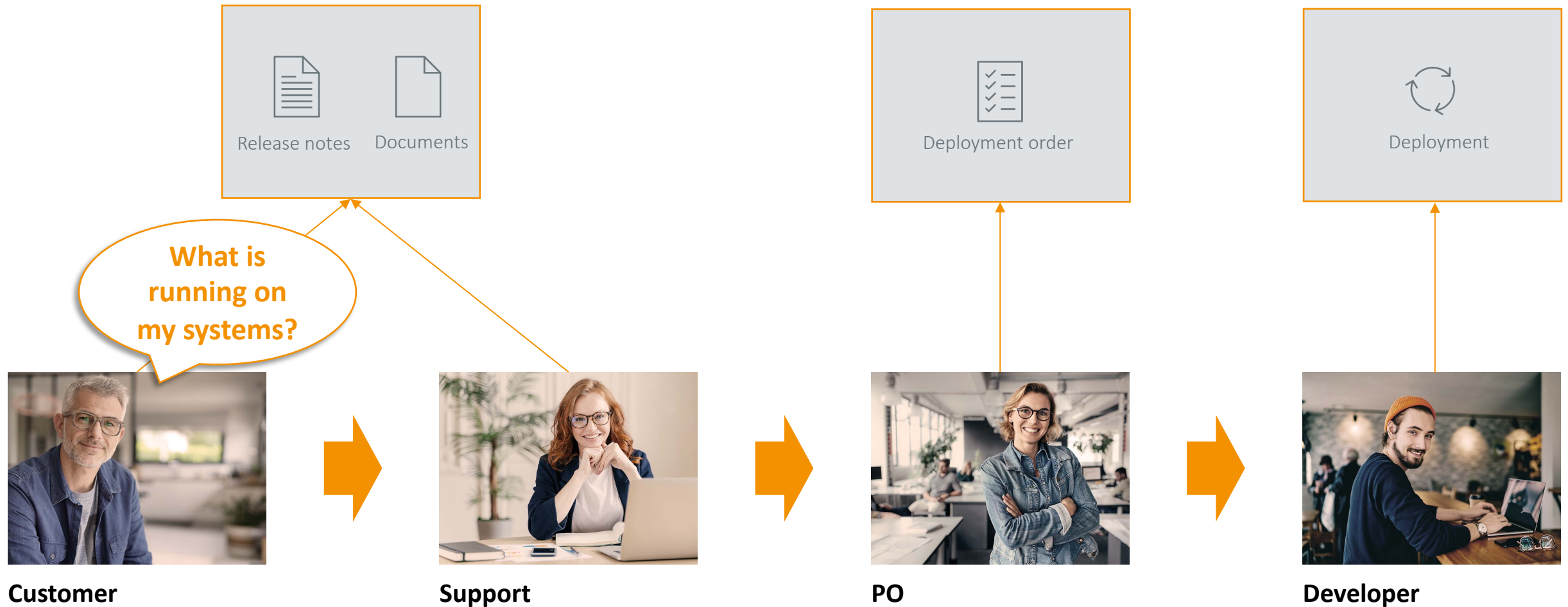
How Do Developers Get Their Information?

Classic Pipelines	Code Repository	Artifact Repository	Image Repository	Kubernetes Environment	Development ;-)
Jenkins	**GitLab**	**Nexus**	**Quay**	**OpenShift**	**Programing Languages**

Kubernetes Pipelines		Monitoring	Vulnerability Mgmt
Tekton		**Dynatrace**	**Dependency Track**

Kubernetes GitOps		Logging	Code Quality
ArgoCD		**Splunk**	**SonarQube**

How Can We Merge Customer & Developer needs?

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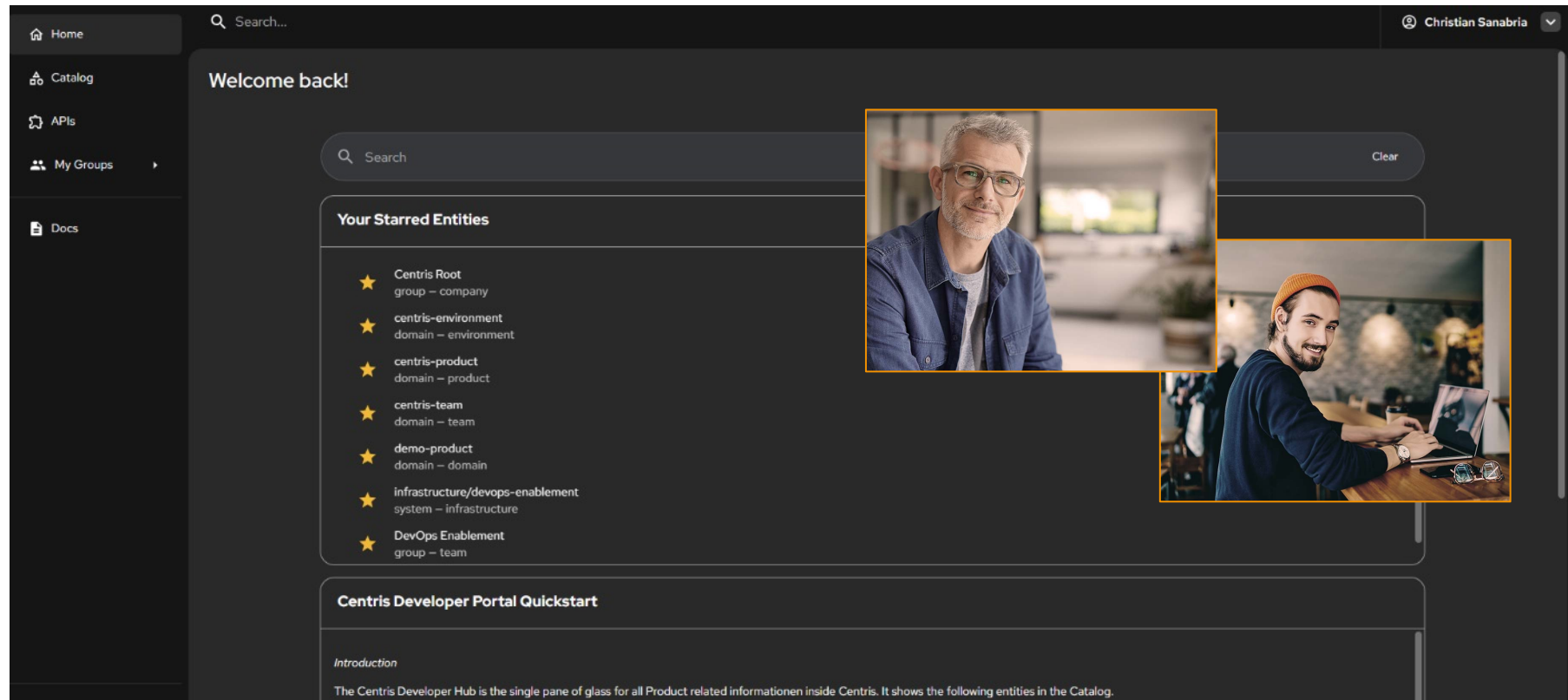
Where Do Entities Come From?

ArgoCD

- Deployment List
- Deployment Information
- Meta Information

Nexus

- OpenAPI
- AsyncAPI

Environment Inventory Service

- Client List
- Client Information
- Environment List
- Environment Information

- Entity Rendering
- Entity Linking
- Annotations & Labels

Environment State Service

- Product List
- Product Information
- Product Installation State

DevHub Backend Service

How Does the Model Look Like?
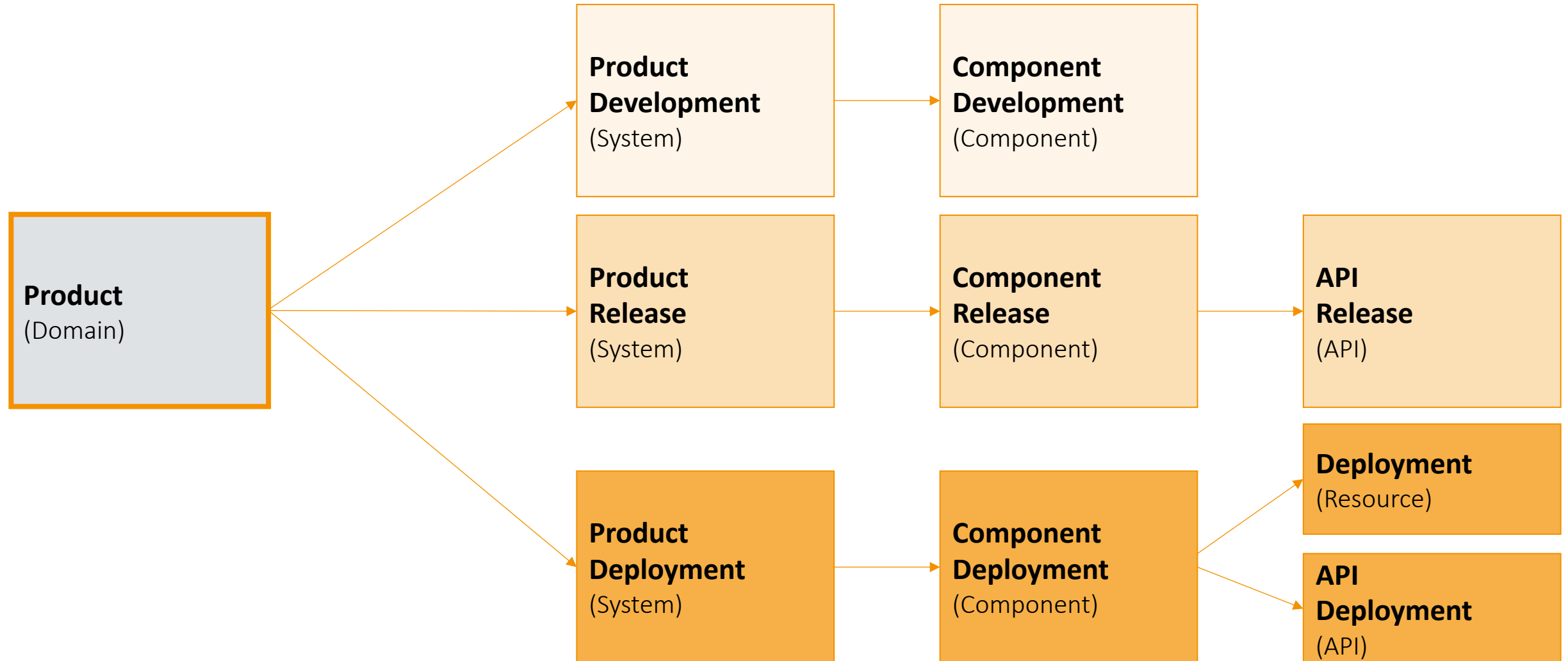
What Does a Customer (& Developer) See?

Product Entities

DevHub
Backend
Service

Runtime State

OpenShift

Deployment Pipelines

Tekton

My Org Catalog

Kind	All Domains (25)					Q Search	
Domain	**Name**	**Owner**	**Description**	**Tags**	**Created At**		**Actions**
Type	apigw-core	DevHubSystem					☐ ✎ ☆
all	apigw-swi	DevHubSystem					☐ ✎ ☆
	casenet	DevHubSystem					☐ ✎ ☆
Personal	centris-environment	DevHubSystem					☐ ✎ ★
⚙ Owned 1	centris-product	DevHubSystem					☐ ✎ ★
★ Starred 4	centris-team	DevHubSystem					☐ ✎ ★
My Org	demo-product	DevHubSystem					☐ ✎ ★
	demo-uber-product	DevHubSystem					☐ ✎ ☆
All 25	devops-enablement	DevOps Enablement					☐ ✎ ☆
	doc-browser	DevHubSystem					☐ ✎ ☆
Owner	dpf-core	DevHubSystem					☐ ✎ ☆
	dpf-core-test	DevHubSystem					☐ ✎ ☆
	dpf-dblog	DevHubSystem					☐ ✎ ☆
	dpf-swi	DevHubSystem					☐ ✎ ☆
Processing Status	edir-caas-service	DevHubSystem					☐ ✎ ☆
	fes-core	DevHubSystem					☐ ✎ ☆
	fes-egk	DevHubSystem					☐ ✎ ☆

Deployment State

ArgoCD

What Does a Developer See?

Images

Quay

Development Entities Merge Requests

GitLab

Build Pipelines

Jenkins

Vulnerabilities

Dependency Track

Artifacts

Nexus

Code Quality

SonarQube

development/devops-test-project-component ☆

Pipelines   Merge Requests   Overview   Image Registry   Api   Dependencies

About

< > View Source
📄 View TechDocs

Description
No description

Owner   System   Type
👥 DevOps Enablement   development/demo-product   **service**

Lifecycle   Tags
development   **No Tags**

Merge requests statistics

Avg Time Until Merge   a day
Merged To Total Ratio   15%

20
Number of MRs

Code Quality   Gate passed

0 Ⓐ   0 Ⓐ   1 Ⓐ
🐛 Bugs   🔒 Vulnerabilities   😊 Code Smells

— Ⓐ
🛡 Hotspots Reviewed

○ 100.0%   ● 0.0%
Coverage   Duplications
Last analyzed on 3. Sept. 2025, 16:10

View more →

Dependencytrack Findings

Dependency	Name	Version	Severity	Score	Vulnerability
json-c	Out-of-bounds Write	0.14-11.el9	HIGH	7.8	CVE-2020-12762
libarchive	NULL Pointer Dereference	3.5.3-6.el9_6	MEDIUM	5.5	CVE-2025-1632

Why Did We Choose Red Hat Developer Hub?

Support

Enterprise Support ✓

Security

OIDC Integration ✓

Multi Tenancy Conditional Rules ✓

RBAC ✓

Plugins

Pre Packaged Plugins ✓

Dynamic Plugins ✓

Operations

Infrastructure as Code ✓

Low Operation Effort ✓

Easy Lifecycle ✓

What Is Next?

- Customizations, especially labels

- Using tags for special attributes

- Notification integration

- Improve navigation

What Is Next For Developers?

- Workflows for standard 2nd day use cases
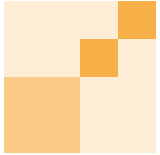
- Monitoring and Logging views

What Is Next For Product Owners?

- Workflows for product deployment use cases

Does It Work?

Goals for clients (& developers)

✓ Transparency over environments and products

✓ Centralized documentation

✓ Installation state of components

✓ Quality gates of components

Goals for developers

✓ Single glass of view for components

✓ Overview over quality and vulnerabilities

✓ Team organization and component ownership

✗ Workflows for 2nd day and deployment use cases

Thank you!

www.centrisag.ch

David Studer

PO Integrationsplatform

Christian Sanabria

Principal Architect