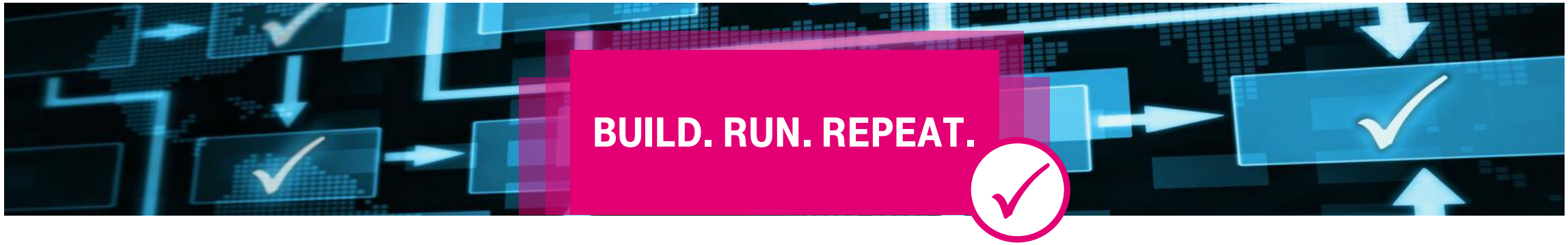
DevOps-as-a-Service Product Information

January 2026

T Systems

Customer Benefits

DevOps-as-a-Service



INTEGRATED CLOUD SERVICE

- Toolchain available as cloud service
- Developers simply use tools
- Worldwide 24/7 accessible via browser

INNOVATIVE TOOLS

- Tools cover the whole DevOps Cycle
- Popular “best-of-breed” tools
- Limited vendor lock-in

USER AND TOOL SELF SERVICE

- User and project management via portal
- Extensive tool configuration options
- User roles management

MANAGEMENT BY T-SYSTEMS

- Fast provisioning
- Users doesn’t care for operation
- Support in case of incidents

SECURITY

- No sharing with other customers
- GDPR compliant
- Safe against US Cloud Act

NO EXPENSE RISKS

- No investments, only operational costs
- Flexible user-based pricing model
- Pay as you grow

DevOps-as-a-Service provides a full-service package

Use Cases

DevOps-as-a-Service

With DevOps-as-a-Service you can:

- Create CI/CD pipelines for cross-functional teams
- Develop and operate software with your DevOps teams
- Automate building and testing of software
- Establish a collaboration and documentation platform
- Implement a target environment-agnostic setup
- Build and deploy software to mainframes

DevOps-as-a-Service Facts

DevOps-as-a-Service

+7.000

Users

+500

Projects

34 TB

Storage

150/Hour

Jenkins Jobs

440.100

Jira Issues

109.230

Confluence Pages

5.275

Repositories

Business & Industry Landscape

DevOps-as-a-Service

- Banking & Finance
- Automotive & Mobility
- Public Sector & Government
- Aerospace & Defense
- Healthcare & Life Sciences
- Industrial & Manufacturing
- IT & Digital Platforms
- Education & E-Learning

Business Use Cases

DevOps-as-a-Service

Banking & Finance

- Digital Currency Development
- Archiving Solution
- Automotive Banking
- Invoicing
- Secure Payment Systems

Automotive & Mobility

- Mainframe Development
- Software-Defined Vehicles
- Automotive Digital Transformation
- OEM Projects
- Logistics

Public Sector & Government

- Digitalization Projects for Government
- Public Services Modernization

Aerospace & Defense

- Aircraft Lifecycle Management
- Defense Systems
- Semantic Data Integration

Healthcare & Life Sciences

- Medical Data Management
- Life Sciences Platforms
- Healthcare IT solutions
- Medical Systems

Industrial & Manufacturing

- Smart Manufacturing
- Industrial Automation
- PLM and MES Integration

IT Digital & Platforms

- Cloud-native platforms
- DevOps automation
- AI-driven analytics
- Digital twin solutions

Education & E-Learning

- E-learning platforms
- Virtual classrooms
- Digital education solutions
- Training Solutions

Digital Justice File for Germany - GeFa

DevOps-as-a-Service

Reference: https://gefa-justiz.de/

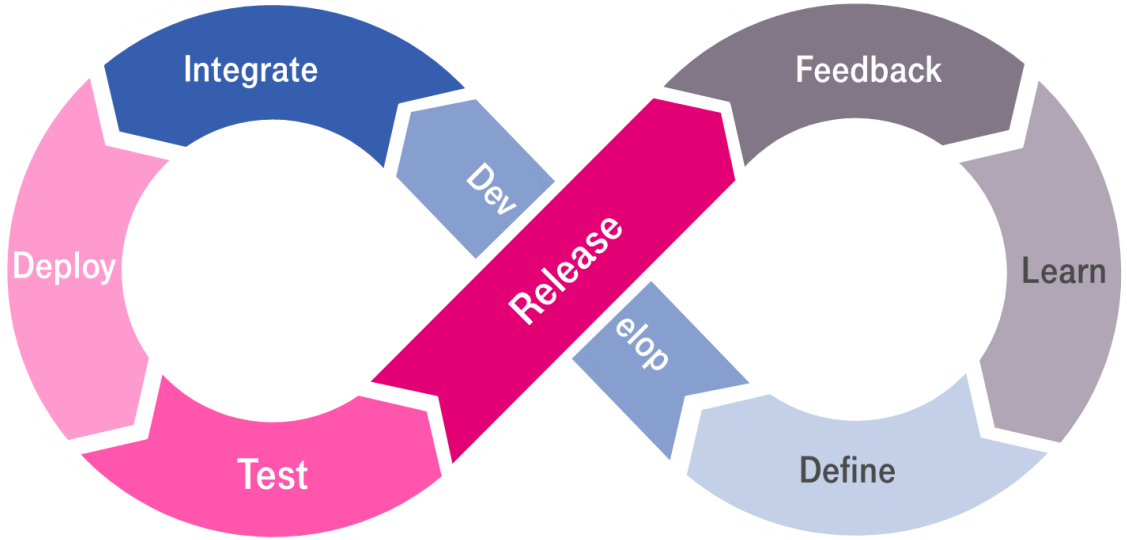
- GeFa (Digital Justice File) is Germany's nationwide digital platform for courts and public prosecutors.
- Centralizes case data and streamlines judicial processes across all federal states.
- Developed and tested with DevOps-as-a-Service methodology to ensure secure and efficient implementation.
- The platform enables efficient recording, processing, and management of court and prosecutor data.

Reference:

- https://www.t-systems.com/de/en/success-stories/digital/digital-justice
- https://gefa-justiz.de/

DevOps Toolchain

DevOps-as-a-Service

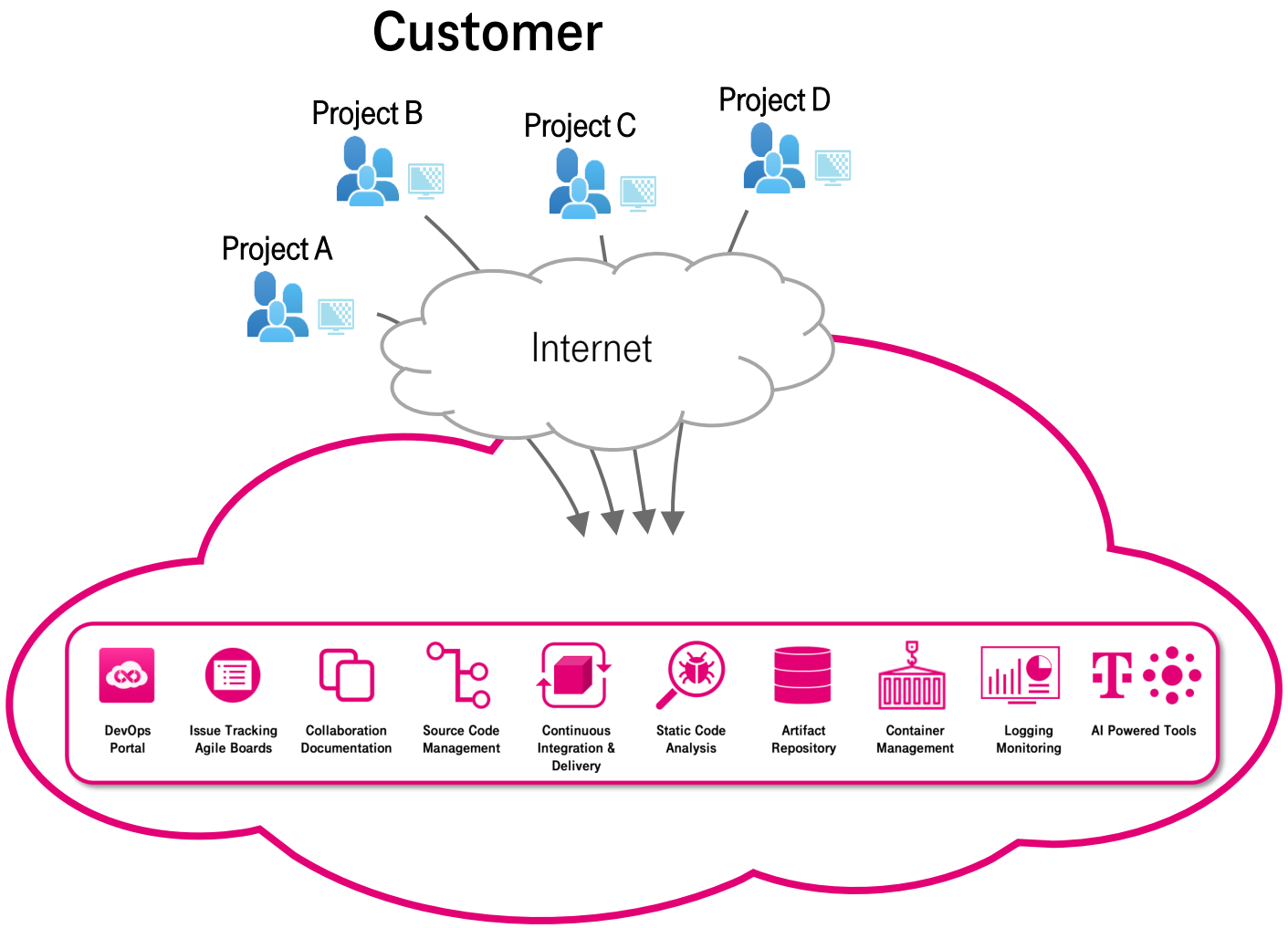


DevOps-as-a-Service covers the whole DevOps cycle

- DevOps Portal
- Issue Tracking Agile Boards
- Collaboration Documentation
- Source Code Management
- Continuous Integration & Delivery
- Static Code Analysis
- Artifact Repository
- Container Management
- Logging Monitoring
- AI Powered Tools

Collaborative work with the Toolchain

DevOps-as-a-Service



Key aspects

- Enables collaboration across teams and projects
- Dedicated instance for each customer
- Internet-based access
- Integrated identity and access management (IAM)
- Project-level permission management

Customer Target Environment

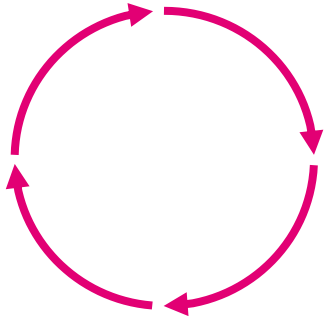
DevOps-as-a-Service

Software Delivery

Deploy custom-built software - executables, binaries and containers - efficiently

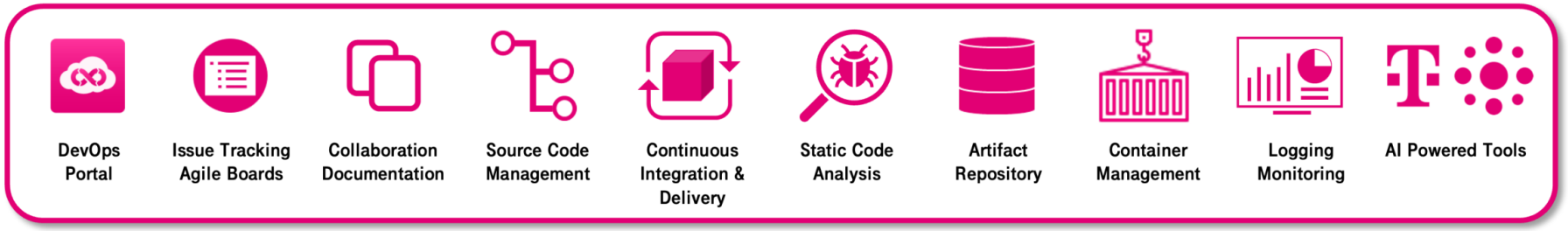
Deployment Target

Cloud and on Premise
Managed by customer



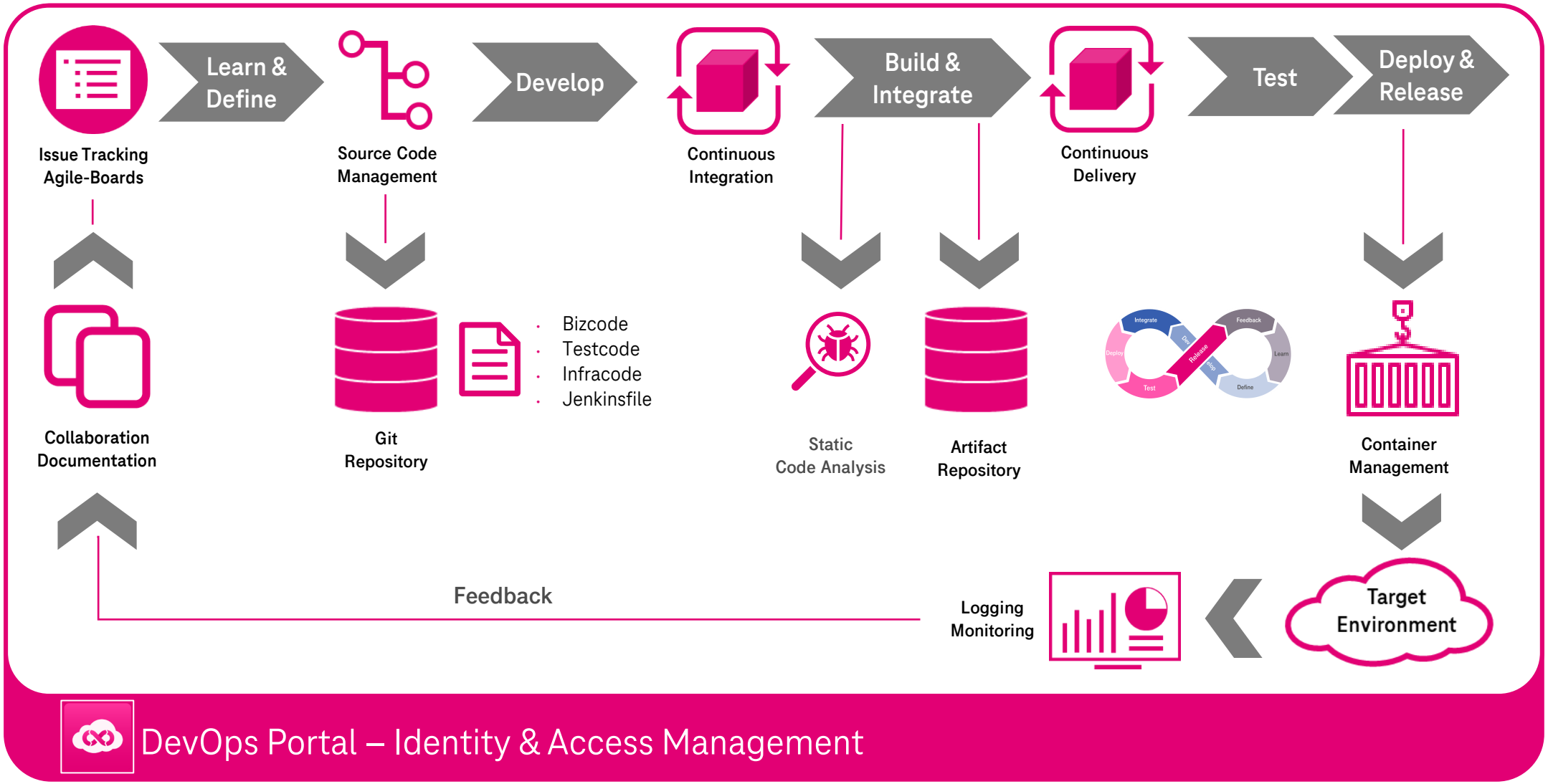
Observability

Monitor deployed applications through integrated logging and monitoring solutions



DevOps Functions

DevOps-as-a-Service



Features

DevOps-as-a-Service

Tools

- Popular tools cover the DevOps cycle
- Access via browser
- “Best of Breed” approach
- Automatically integrated

Management

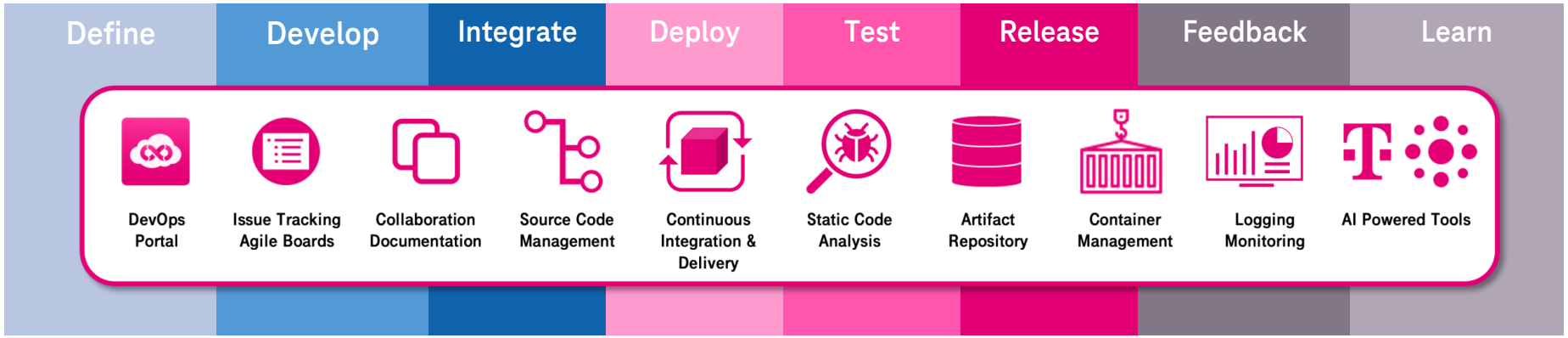
- Cloud Service
- Operated by T-Systems
- Self-service for users and projects via DevOps portal

Approach

- Hosted and operated in Europe
- Dedicated cloud infrastructure
- Scalable environment

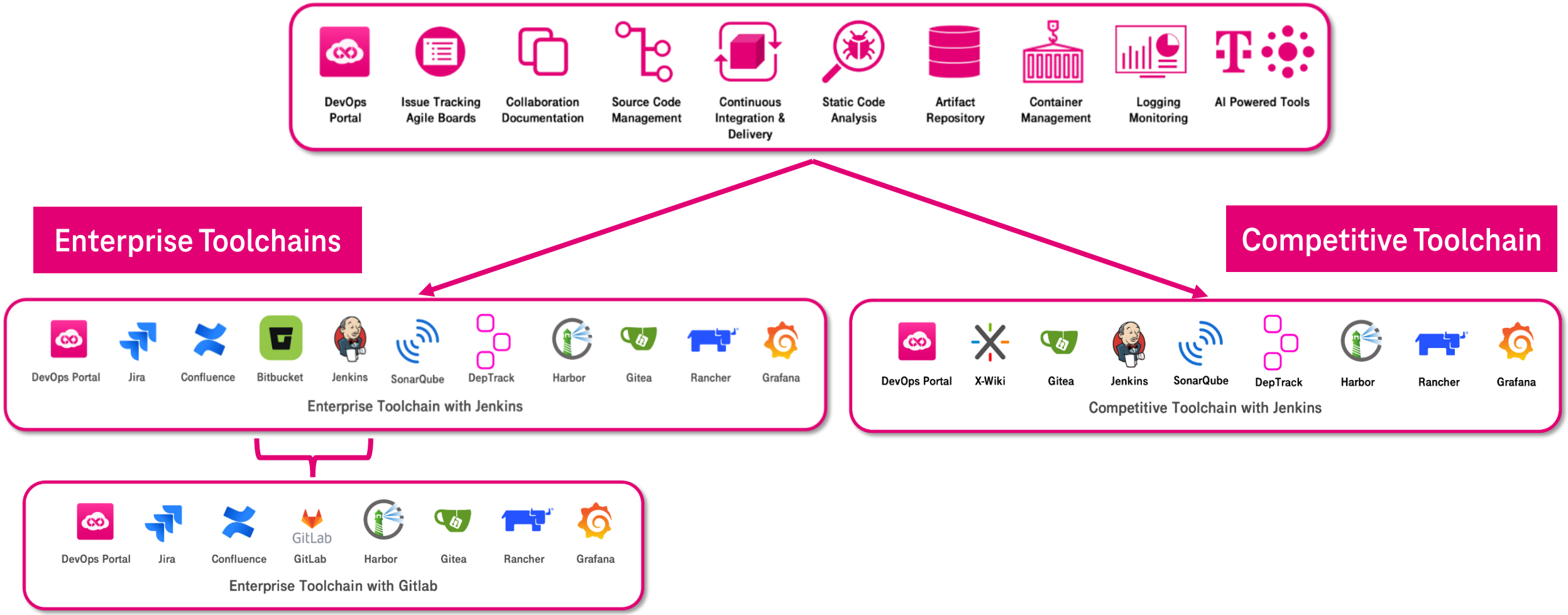
Flexibility

- Different tool variants
- Add-ons available
- Toolchain setup in minutes
- User based monthly pricing
- Even for small teams



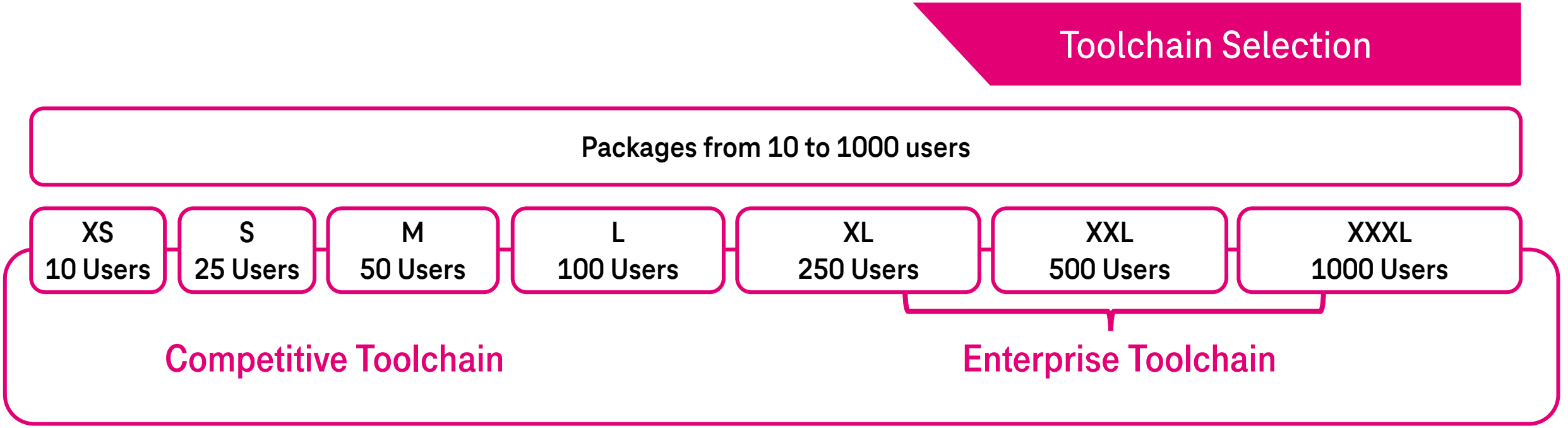
Toolchain Alternatives

DevOps-as-a-Service



Toolchain Selection

DevOps-as-a-Service

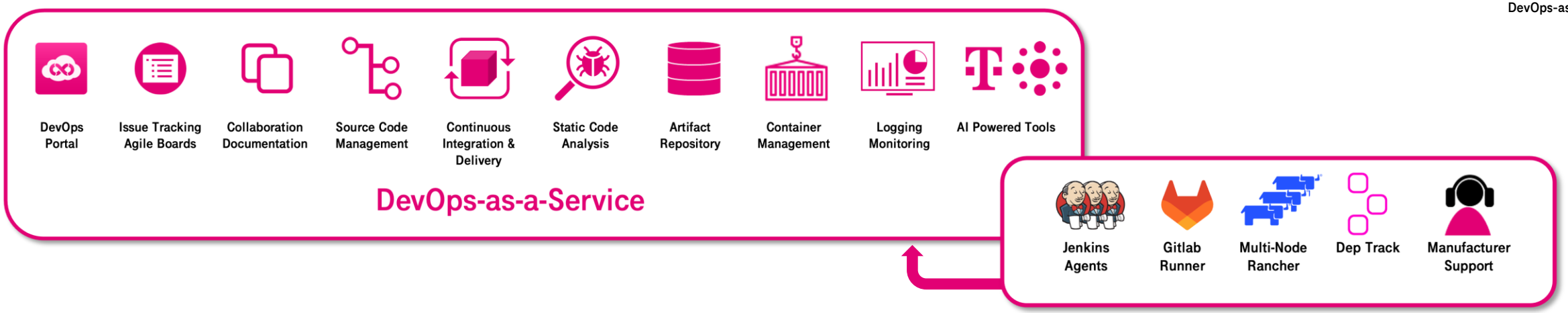


Contact Sales

For pricing information and inquiries about packages larger than 1000 users, please reach out to our Sales.

Add-Ons

DevOps-as-a-Service

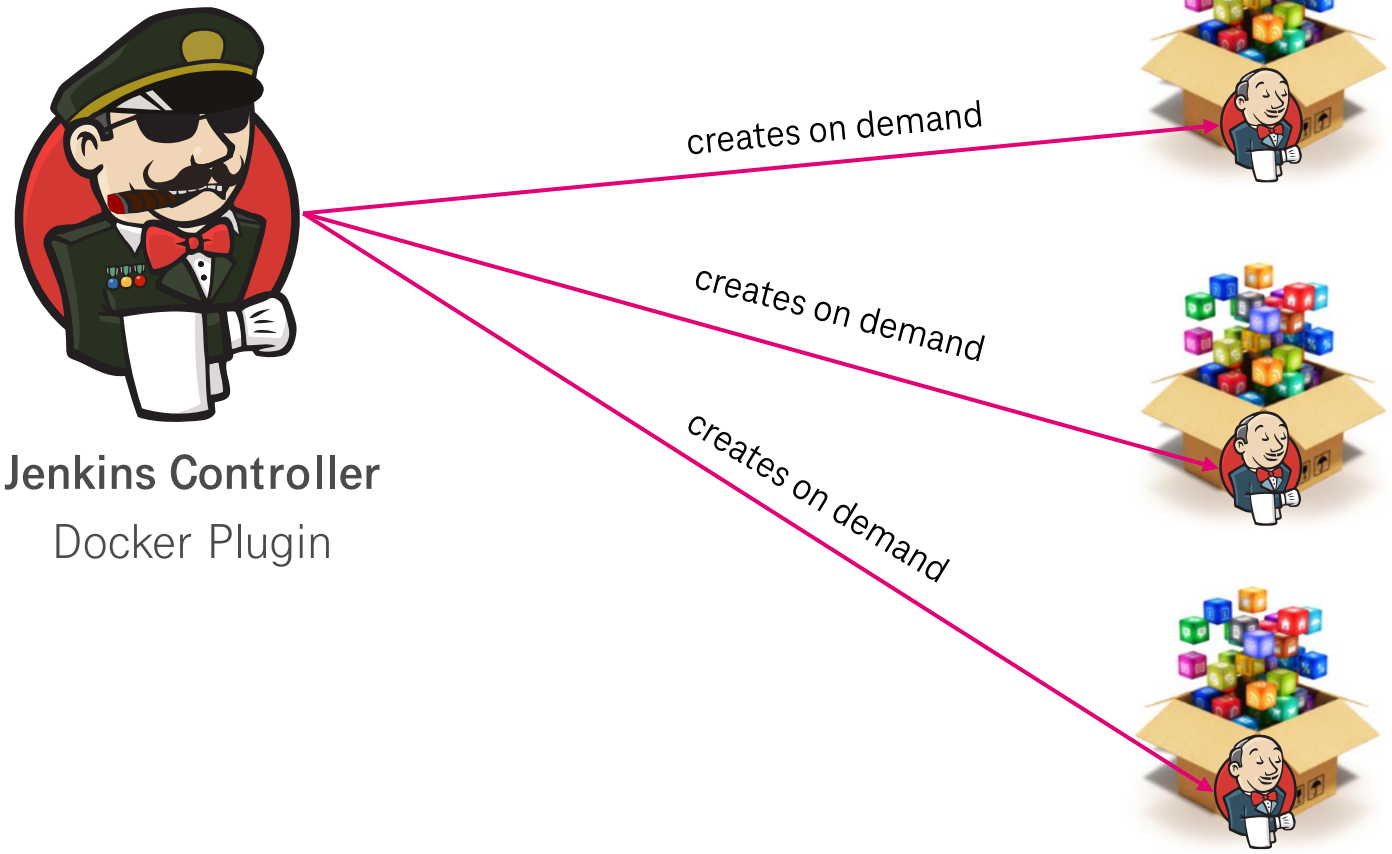


Component	Description
Managed Jenkins Agent	Provision of a host- or container-based Jenkins agent including connection to Jenkins
Managed GitLab Runner	Provision of a host- or container-based GitLab runner including connection to GitLab
High Available Rancher	Deployment of Rancher in a highly available 3-node variant
Dependency-Track	Integration of a Dependency-Track instance into the toolchain
Manufacturer Support	Technical support, training, maintenance, troubleshooting for effective use of the product

Automated dynamic Jenkins Agents

DEVOPS-AS-A-SERVICE EXCLUSIVE SOLUTION

DevOps-as-a-Service



Jenkins Controller

Docker Plugin

Ephemeral Jenkins Build Container

- Using the sysbox container run-time the build container is fully isolated from other build containers on the same host.
- No data leakage, no interference
- Jobs run as root inside the build container and can therefore install any additional software on-the-fly which is not included in the container image
- Build containers offer internal full-fledged Docker installation that can build and run multiple containers
- Build containers are disposed when the job is finished

Rancher Deployment Options

RECOMMENDED

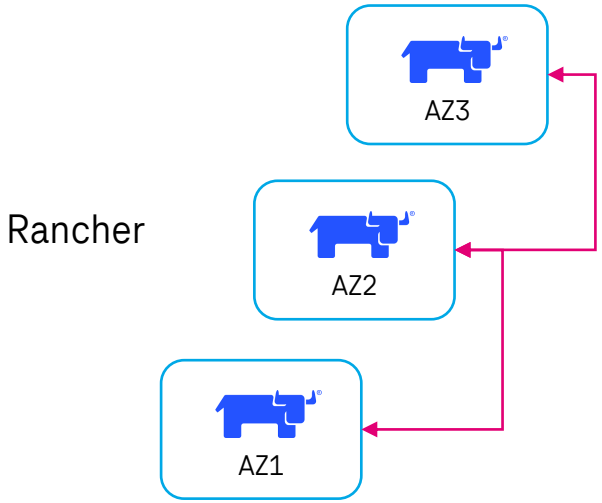
DevOps-as-a-Service

Single-node Rancher

- Standard solution for all customers
- Single Rancher node in one availability zone
- easy entry with low costs
- suitable for development, test and other non-critical workloads

Multi-node Rancher

- HA solution to be ordered on demand
- 3 Rancher nodes in 3 availability zones for reliable operation of production workloads



External Tools and Additional Capabilities

DevOps-as-a-Service

CI/CD Pipeline Automation Tools

- Ansible (Configuration Management)
- Terraform (Infrastructure as Code)

AI Powered Tools

- AI-Engineer
- AI-Operator
- IDE-aaS

Additional Capabilities:

- Kubernetes-Downstream-Cluster hosted and ready to use
- Managed Kubernetes Cluster on OTC

Supported programming languages:

- Git based source code repositories support any programming or scripting languages, e.g., Java, Python, Go, JavaScript.
- SonarQube language support varies depending on the license edition.

Additional Manufacturer/Enterprise Support for Tools:

- Gitlab
- X-Wiki
- Rancher
- SonarQube
- Atlassian

Managed Service

DevOps-as-a-Service

DevOps-as-a-Service provides an ITIL based **full-service** package

- Service operated in and provided from the EU
- 24x7 Operation time / 10x5 Attended Operation time
- Service Desk via Web portal and E-Mail
- Incident Management during AOT
- Comprehensive monitoring and alerting
- Backup on different layers
- Service Requests for non-self-service tasks
- Update and patch management
- Service Quality Objectives

High Availability and Disaster Recovery

DevOps-as-a-Service

High Availability and Disaster Recovery at different Layers

Cloud Services

- High available cloud infrastructure
- Servers and network distributed over 3 availability zones

Data

- 3 distributed replicas of customer data
- Highly available object storage

Backup

- Cloud server backup
- Data backup in different region

Security

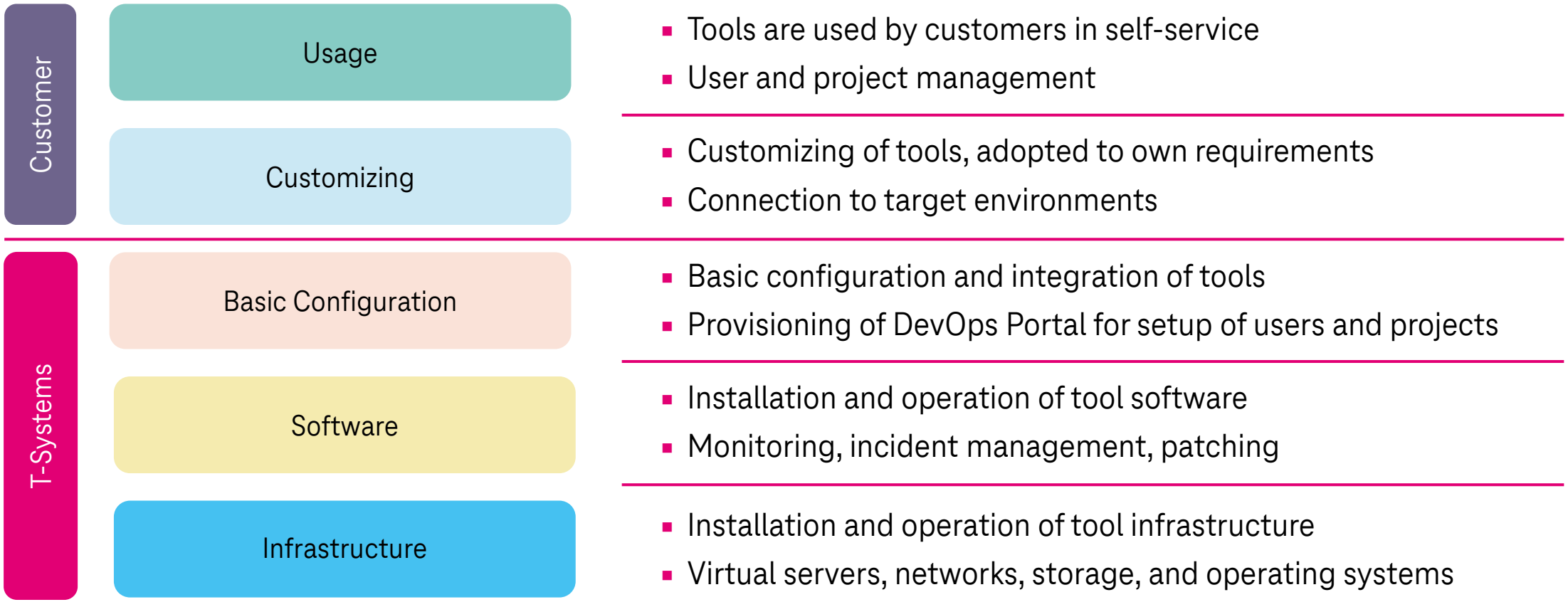
DevOps-as-a-Service

Confidentiality, Integrity, Availability

- High Availability
- Geo redundant backup
- Comprehensive monitoring of all components
- Proactive failure management
- 24/7 operation time
- Anti-DDOS
- Dedicated cloud infrastructure for each customer – no shared services
- Data encrypted in transit and at rest
- Strong SSL encryption
- Continuous software component updates based on Cyber Threat Intelligence Portal
- Regular Privacy and Security Assessement (PSA)

Responsibility Model

DevOps-as-a-Service



- Tools are used by customers in self-service
- User and project management

- Customizing of tools, adopted to own requirements
- Connection to target environments

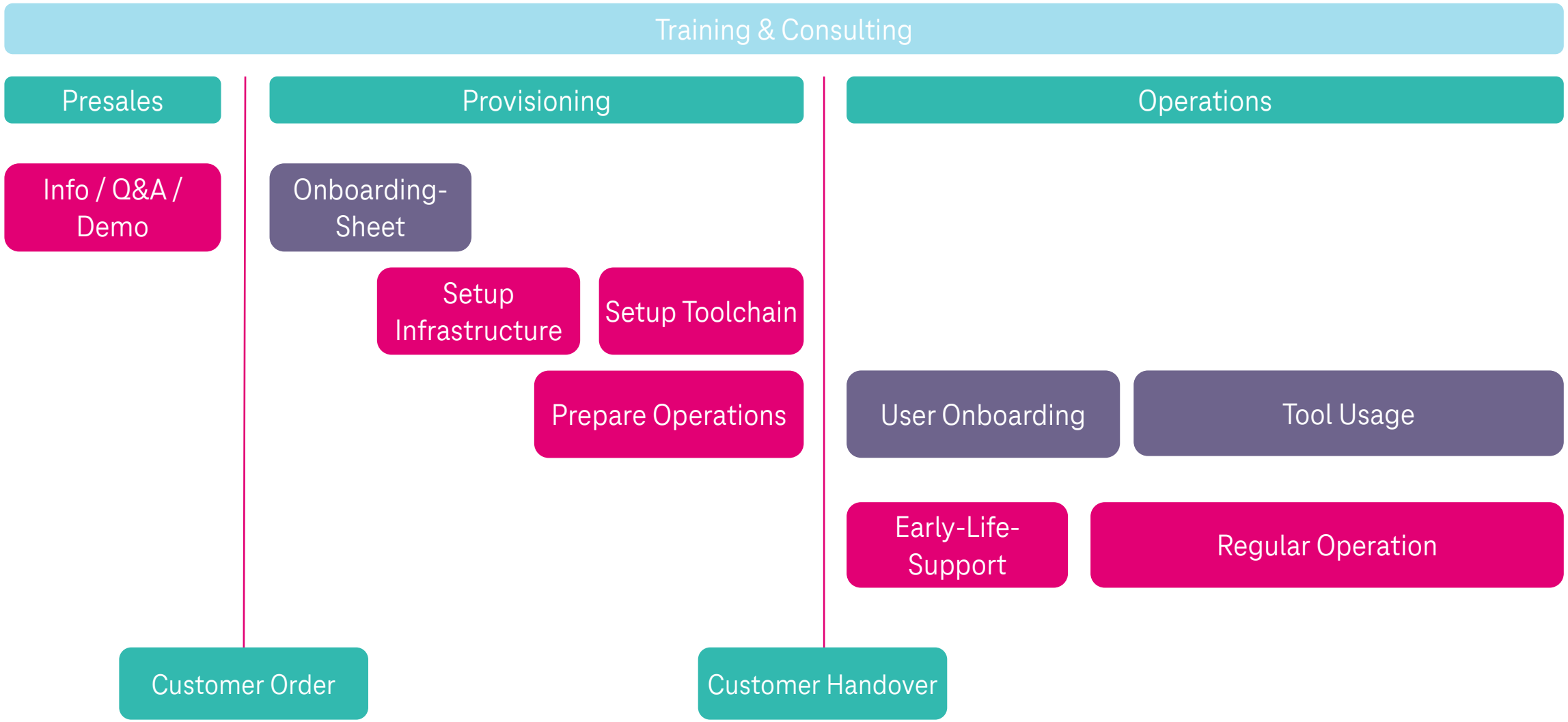
- Basic configuration and integration of tools
- Provisioning of DevOps Portal for setup of users and projects

- Installation and operation of tool software
- Monitoring, incident management, patching

- Installation and operation of tool infrastructure
- Virtual servers, networks, storage, and operating systems

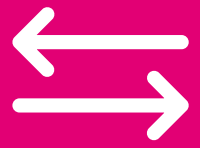
Onboarding

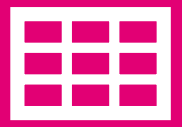
DevOps-as-a-Service



Consulting Offerings

DevOps-as-a-Service





Migration Support

- Onboarding
- Data migration from old to new tools
- Questions and answers

Integration Support

- Providing solutions for integration challenges
- Connecting DevOps-as-a-Service with self-hosted tools
- Connecting deployment targets to DevOps-as-a-Service

Apply DevOps Patterns

- Consulting days with a DevOps Consultant or Architect
- Get the best out of DevOps-as-a-Service
- Transform your software to cloud native

Training Offerings

DevOps-as-a-Service

Toolchain Intro (2h virtual with live demo)

- Overview of the tools and tool integration
- Intro to tool use and administration
- Q&A
- Video conferencing session with live demo

Toolchain Custom Training (1 day on-site or virtual)

- Select from your favorite DevOps topic
- Best practices
- Consulting concerning own challenges

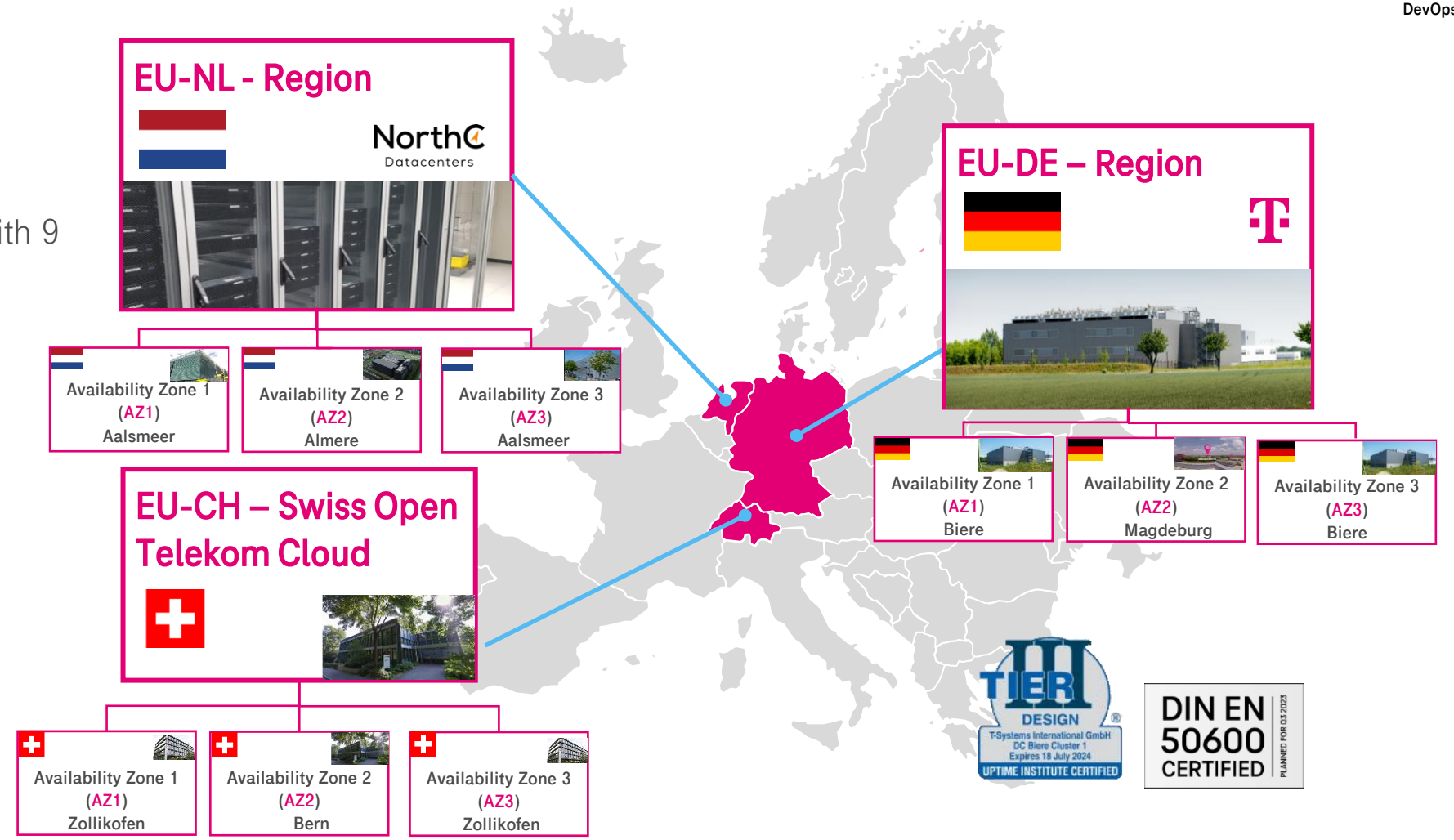
DevOps Tools Training (4 days on-site or virtual)

- Consulting days with a DevOps Consultant or Architect
- Get the best out of DevOps-as-a-Service
- Transform your software to cloud native

Open Telekom Cloud (OTC) Data Centers

DevOps-as-a-Service

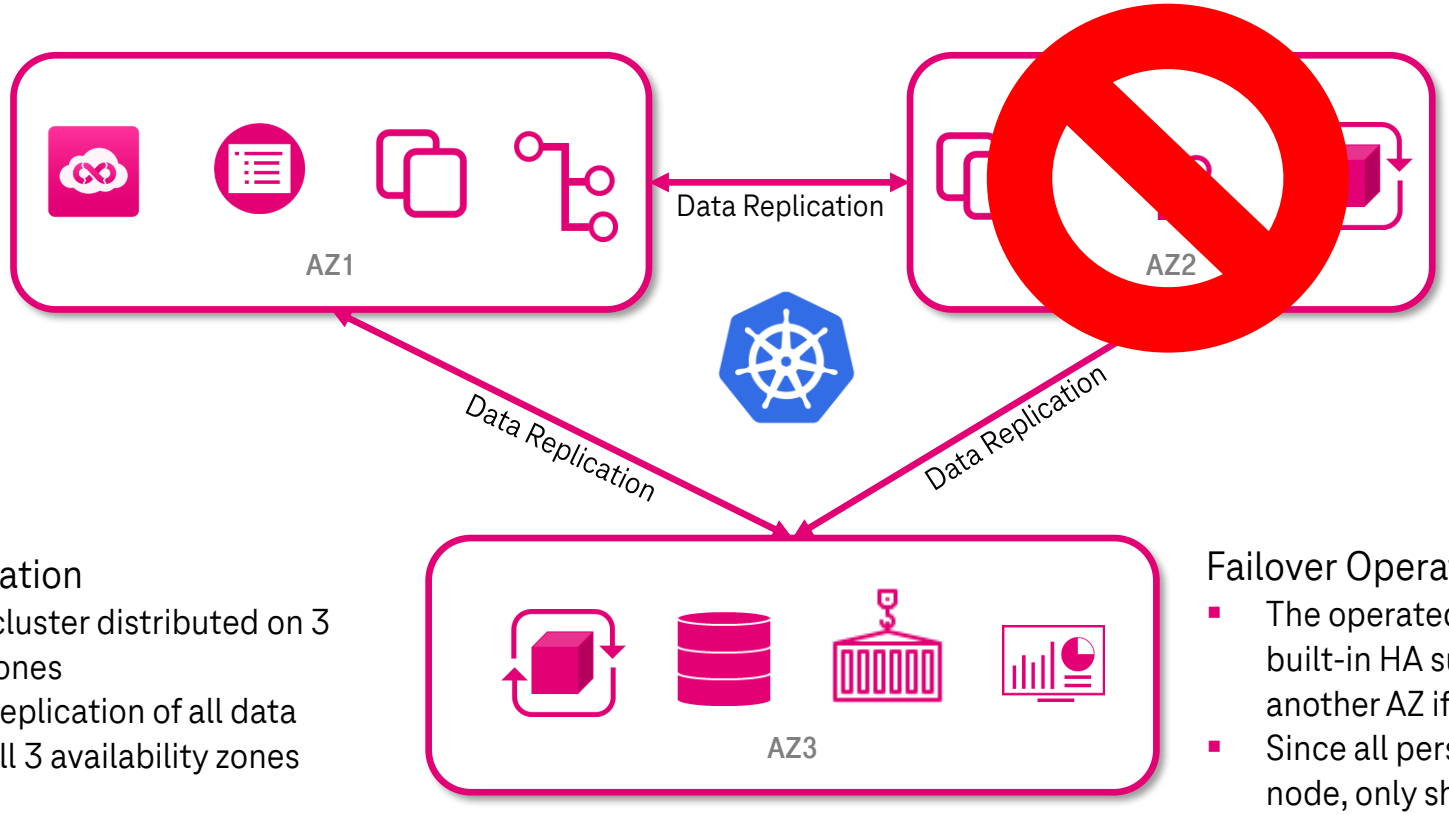
- 3 **twin core data centers** with 9 availability zones for **short latencies** and **zero outage**
- Regions **DE & NL** fulfill requirements for **georedundancy**
- **High security locations**
- **Swiss cloud** as an autarkic **Community cloud** for Swiss customers



High Availability Architecture

LONGHORN

DevOps-as-a-Service



Standard Operation

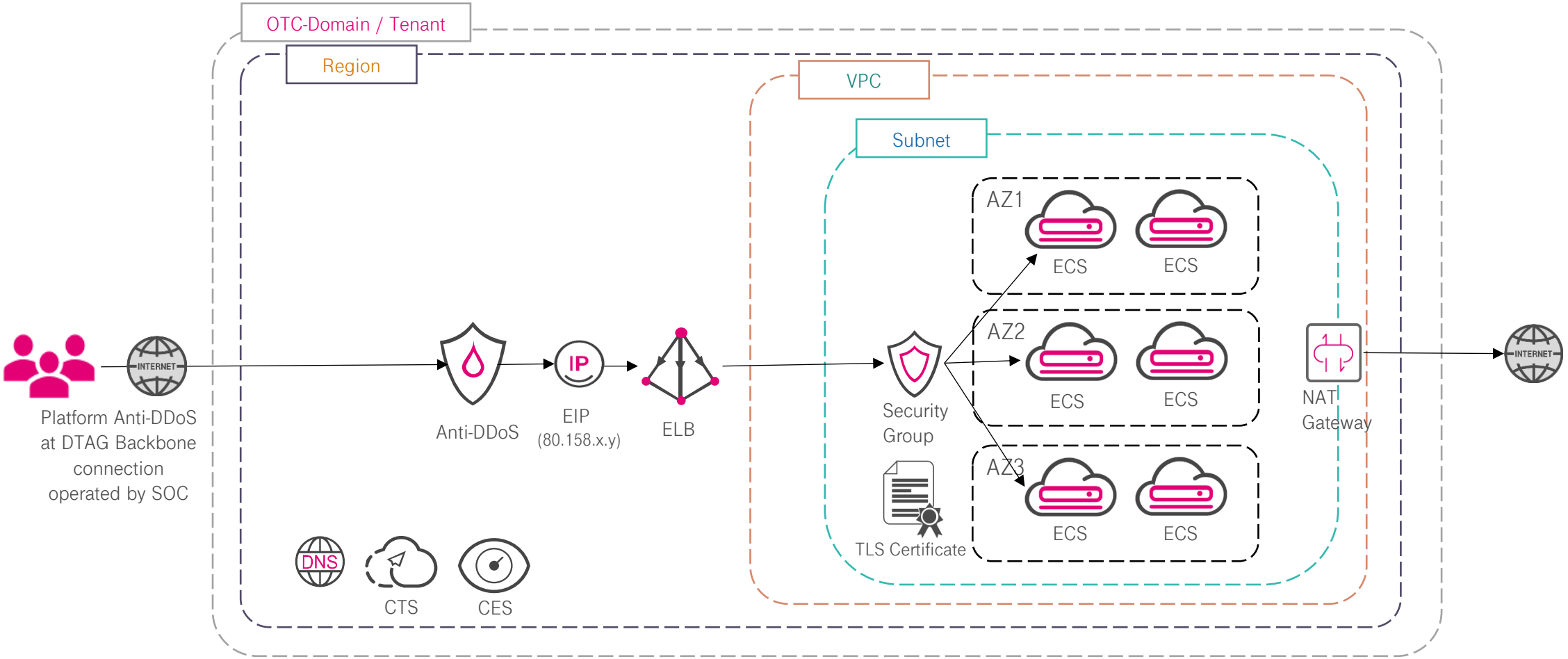
- Kubernetes cluster distributed on 3 availability zones
- Continuous replication of all data volumes to all 3 availability zones

Failover Operation

- The operated tools itself (except Rancher) don't have built-in HA support, but are automatically restarted in another AZ if one AZ is lost
- Since all persistent data is already available on the new node, only short interruptions expected

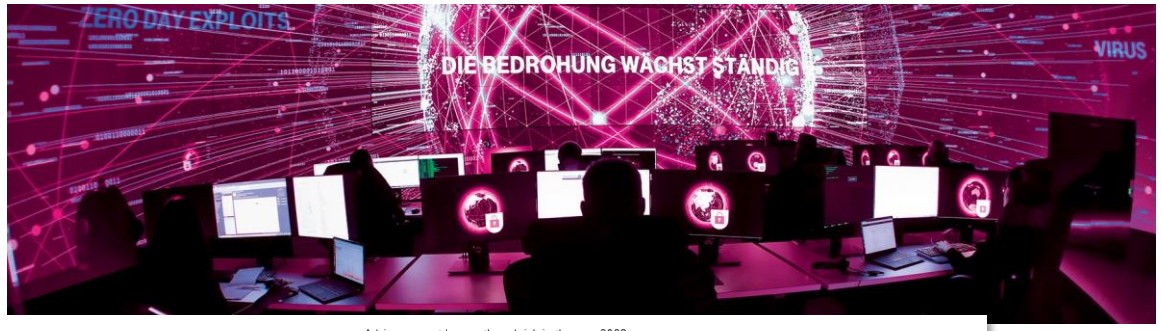
Secure Cloud Architecture

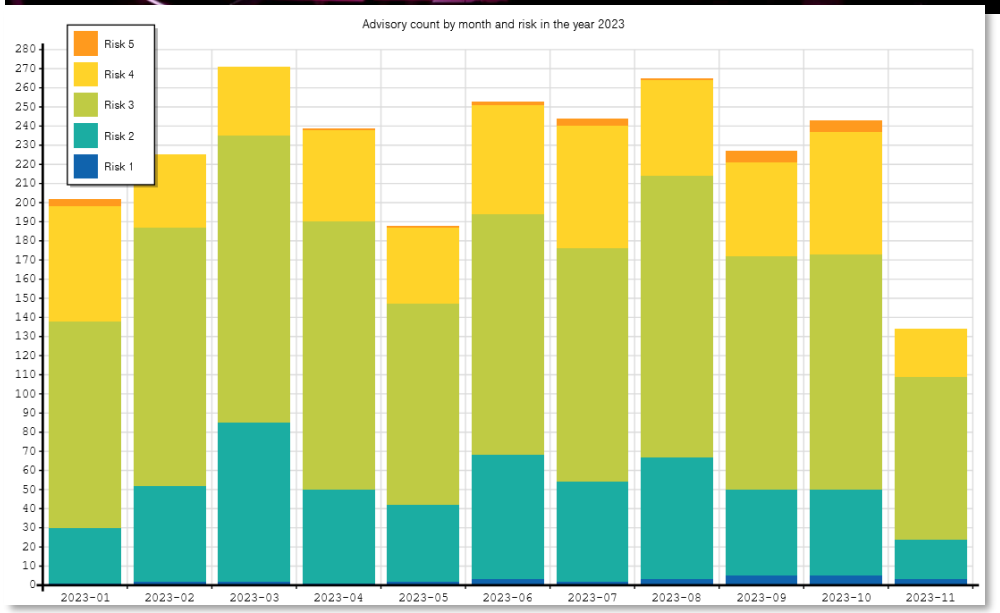
DevOps-as-a-Service



Cyber Threat Intelligence Portal

DevOps-as-a-Service





Advisories filtered for Custom Advisory #1479

to Custom Advisory overview

Showing filtered advisories of the last 3 days.

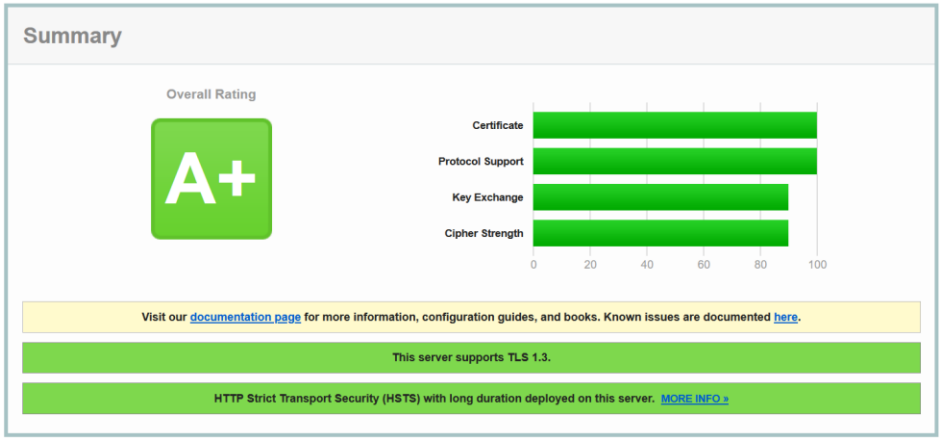
Risk	Advisory	Date	Status	Title	VAS Rating	CVSS Base
	2023-2440	2023-11-15	update	PostgreSQL: Multiple Vulnerabilities	2 4	8.8
	2023-2239	2023-11-15	update	RAPID RESET Node.js: Multiple Vulnerabilities EXPLOIT	5 4	9.8
	2023-2198	2023-11-15	update	RAPID RESET http/2 Implementations: Vulnerability allows Denial of Service EXPLOIT	5 4	7.5
	2023-1729	2023-11-14	update	PostgreSQL: Multiple Vulnerabilities	2 4	7.5
	2023-1079	2023-11-15	update	Apache Tomcat: Vulnerability allows Denial of Service	4 3	7.5
	2023-0988	2023-11-15	update	Gitea: Multiple Vulnerabilities allow unspecified attack	3 3	7.3
	2023-0288	2023-11-15	update	PostgreSQL: Vulnerability allows information disclosure	4 2	7.5

- The DevOps-as-a-Service is constantly being informed about possible security problems in all deployed software components
- All threats are carefully assessed, and decisions are taken concerning the need and urgency of software patches
- Updates are usually applied during weekly maintenance windows, but also immediately in case of emergencies

SSL Certificates & Config

DevOps-as-a-Service

- DevOps-as-a-Service uses SSL Certificates made in Germany provided by https://www.telesec.de/de/produkte/serverpass/ueberblick/
- As results from https://www.ssllabs.com/ssltest/ show, a maximum level of security and client compatibility is achieved



DevOps Portal

DevOps Function

Identity & Access Management

Features

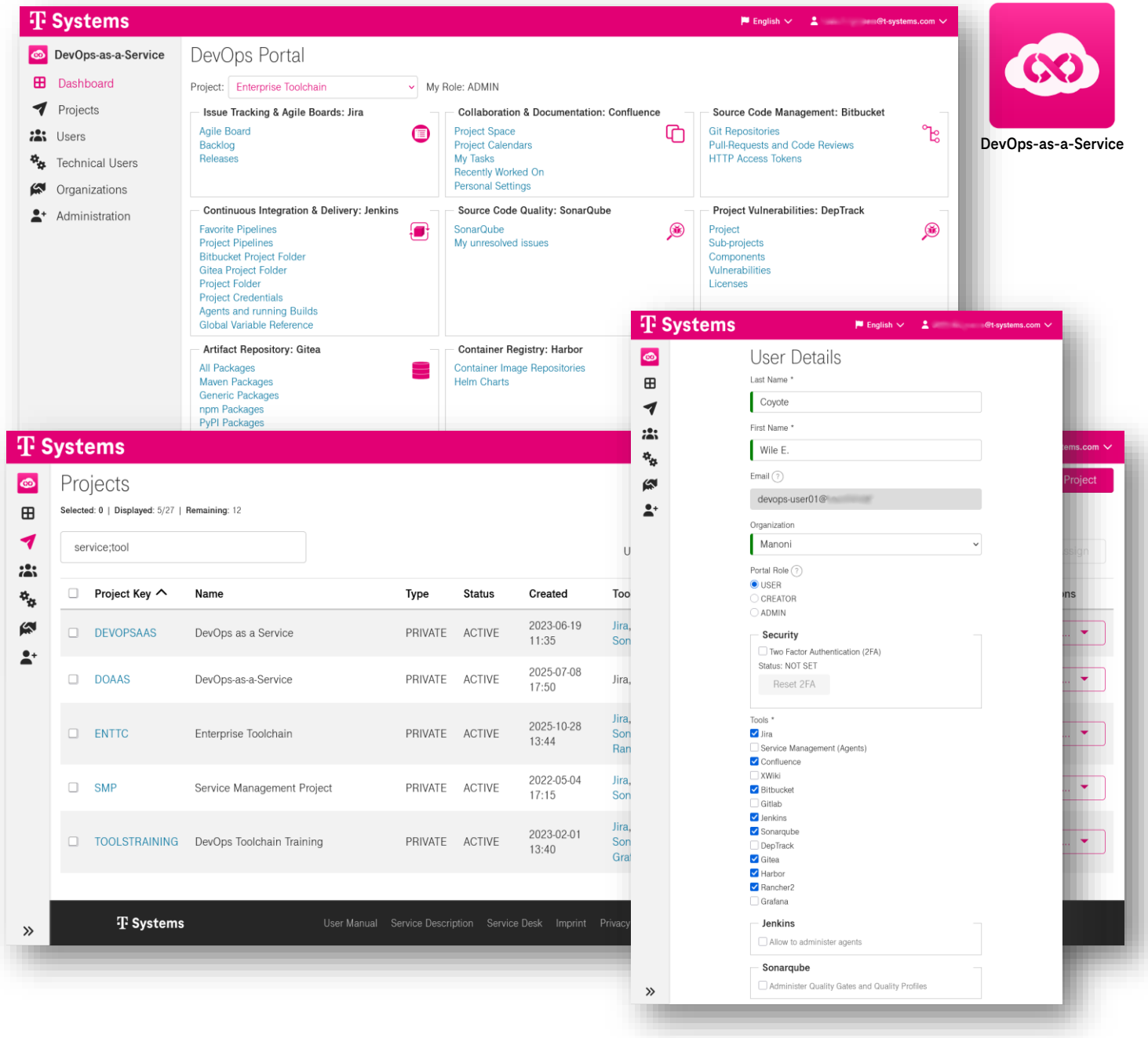
- Administer all your Projects, Users and Roles
- Automated license management for tools
- Optional second-factor-authentication (2FA)

Toolchain Integration

- Automatically configures all tools within secs
- Provides Single-Sign-On (SSO) to all tools

Links

- Release Notes
- Documentation at DevOps-as-a-Service



Jira

DevOps-as-a-Service

DevOps Function

Issue Tracking & Agile Boards

Features

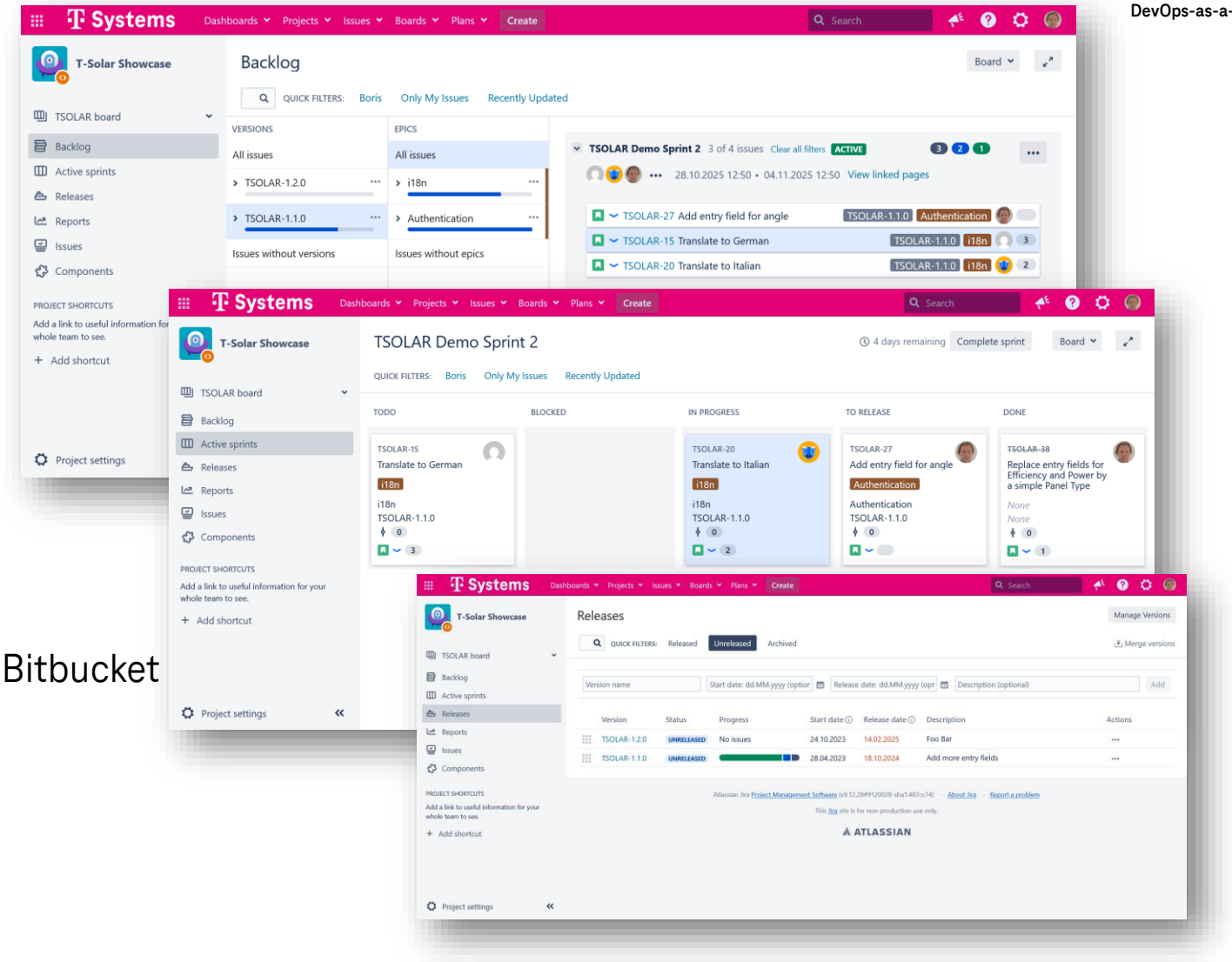
- Audit-proof issue tracking
- Scrum and Kanban boards
- Release planning
- Backlog refinement

Toolchain Integration

- Shows related pages in Confluence
- Shows related commits, branches and PRs in Bitbucket
- Shows related builds in Jenkins

Links

- Vendor Page
- Documentation at DevOps-as-a-Service



Confluence

DevOps-as-a-Service

DevOps Function

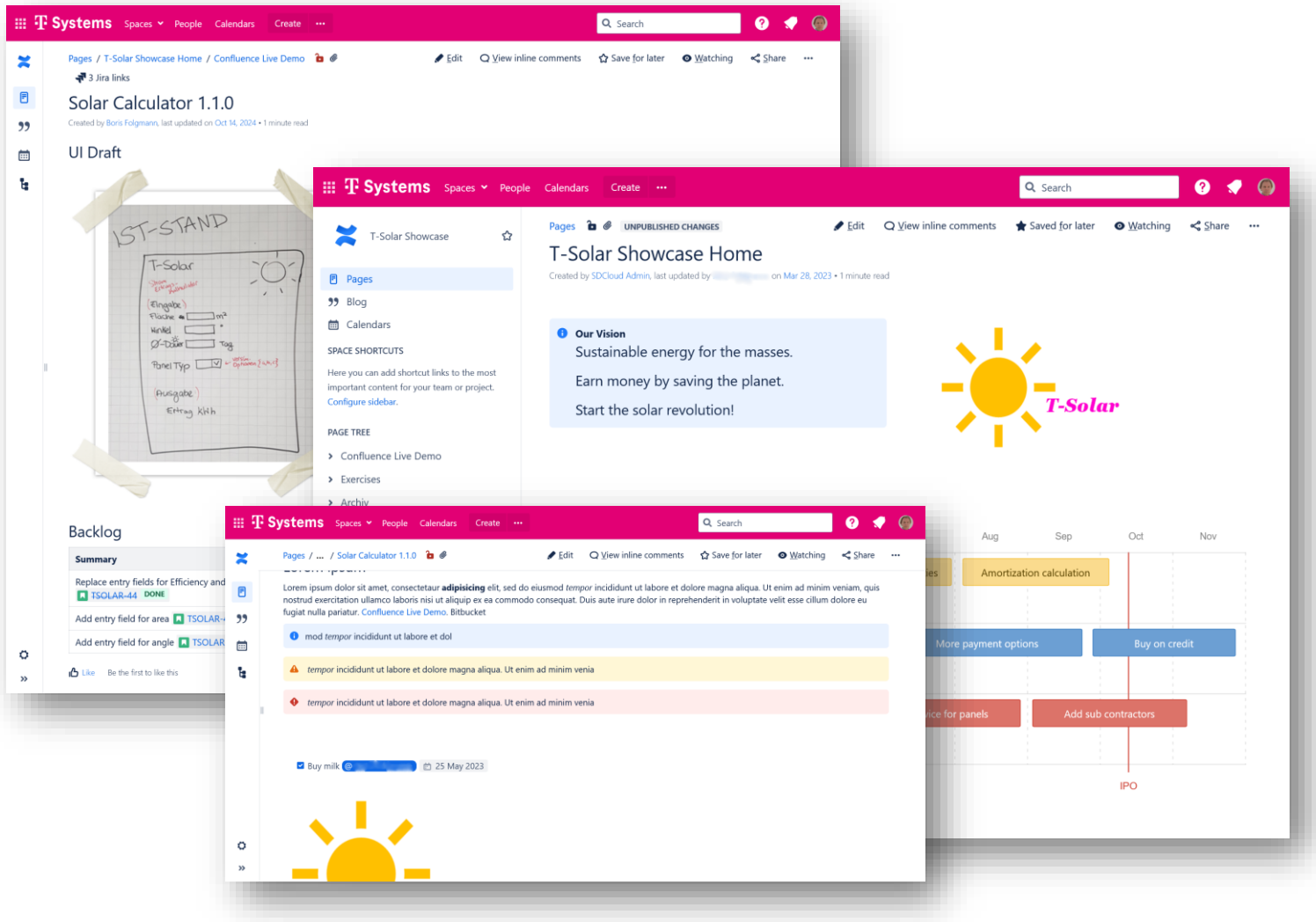
Collaboration & Documentation

Features

- Wiki software for fast authoring
- Write detailed specifications of user stories
- Attach images and files
- Road Map planning

Toolchain Integration

- Pages show related issues in Jira



Links

- Vendor Page
- Documentation at DevOps-as-a-Service

Bitbucket

DevOps-as-a-Service

DevOps Function

Source Code Management

Features

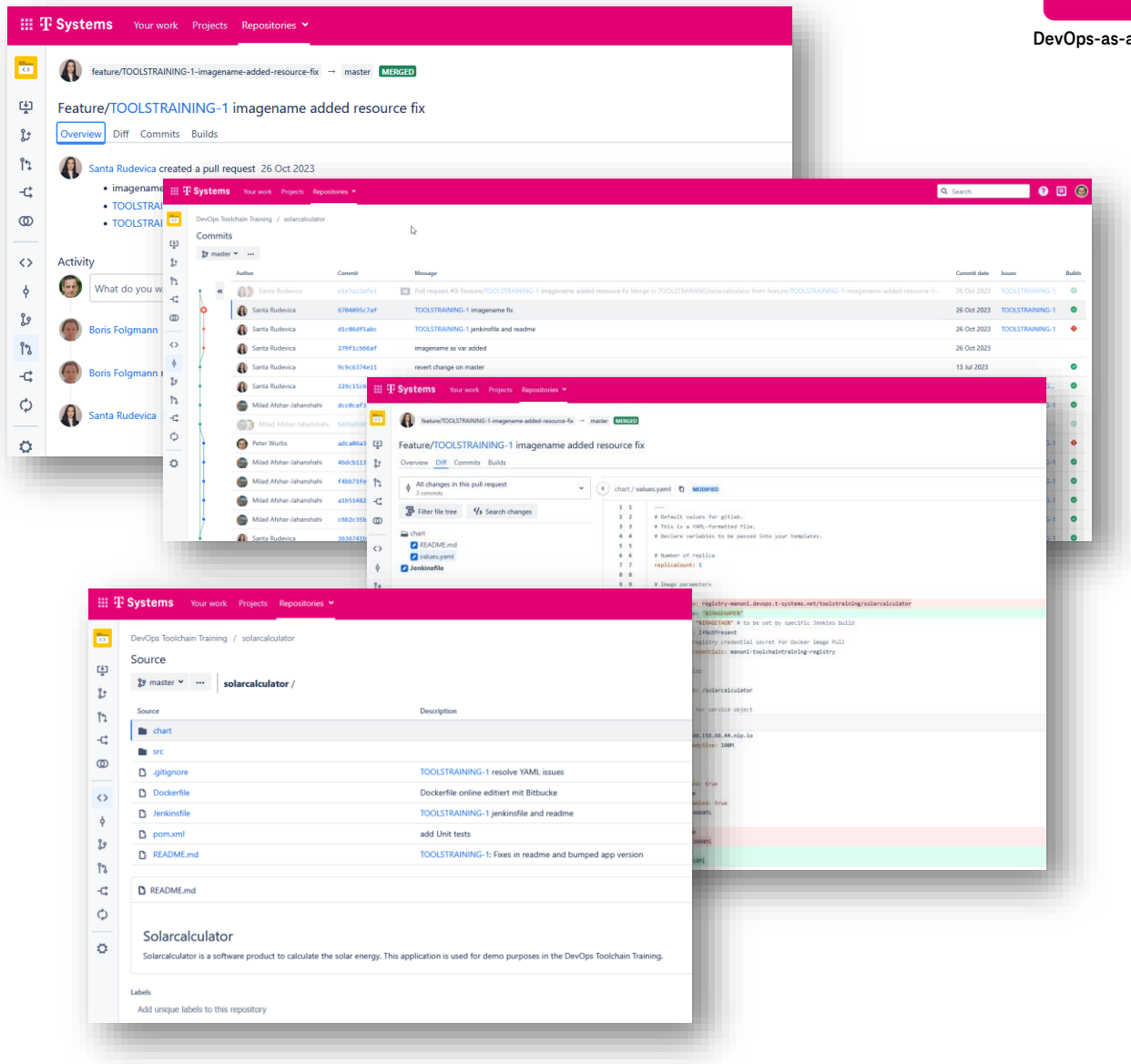
- Git Repository Management
- Accessible via Web Interface and Git Clients
- Branch Permissions & Access Control
- Pull Requests & Code Review

Toolchain Integration

- Bitbucket shows related Jira issues
- Bitbucket shows related Jenkins builds
- SonarQube results integrated as code insights in PRs

Links

- Vendor Page
- Documentation at DevOps-as-a-Service



Grafana

DevOps-as-a-Service

DevOps Function

Monitoring & Logging

Features

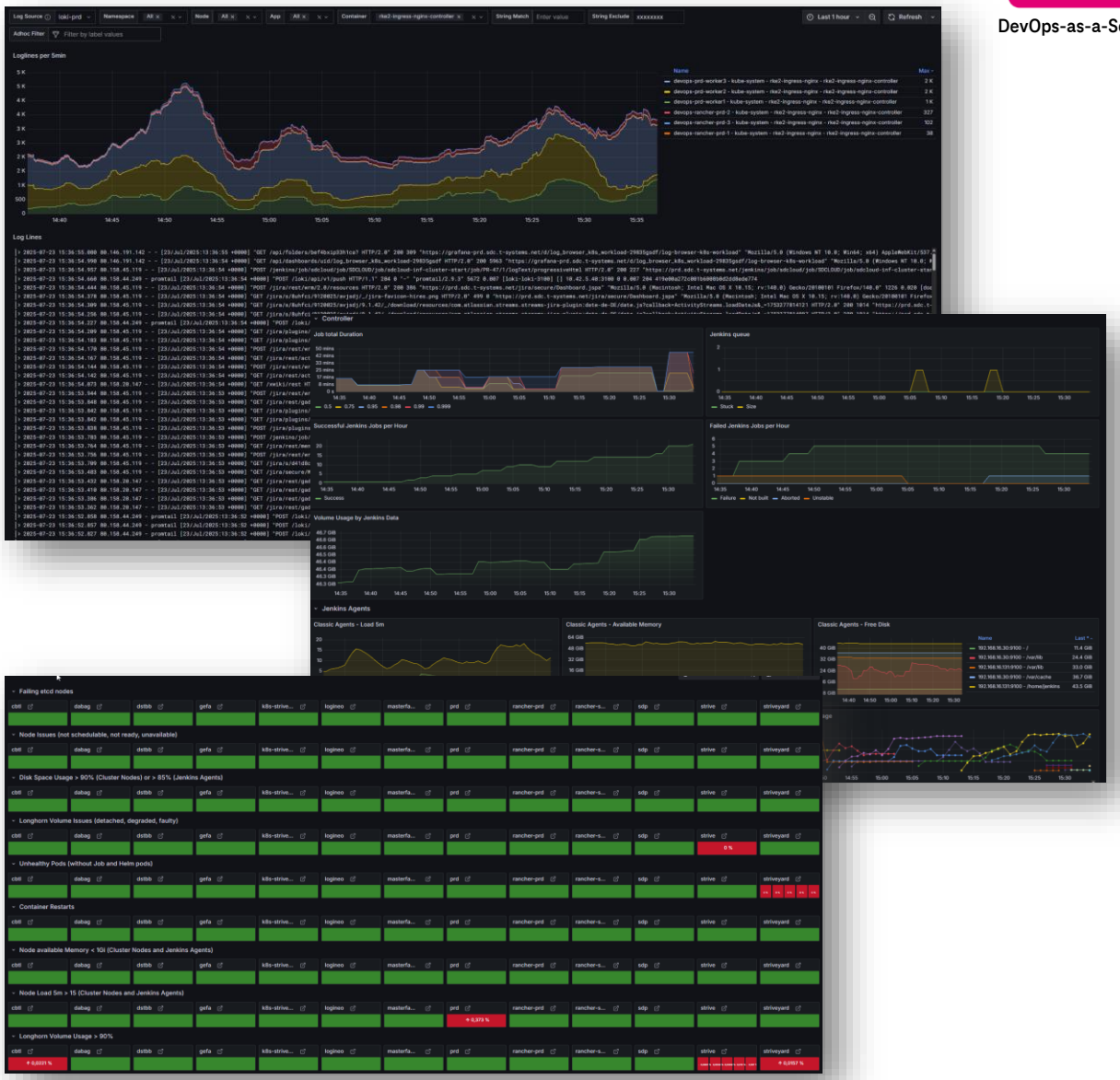
- Leading Open Source observability tool
- Visualization of data like metrics, logs, traces etc.
- Connects to various datasources
- Easy creation of interactive dashboards
- Provides monitoring, trending, alerting, log analysis

Toolchain Integration

- Integrates with central user and roles management
- Core metrics of the toolchain are displayed in Grafana

Links

- Vendor Page
- Documentation at DevOps-as-a-Service



Rancher

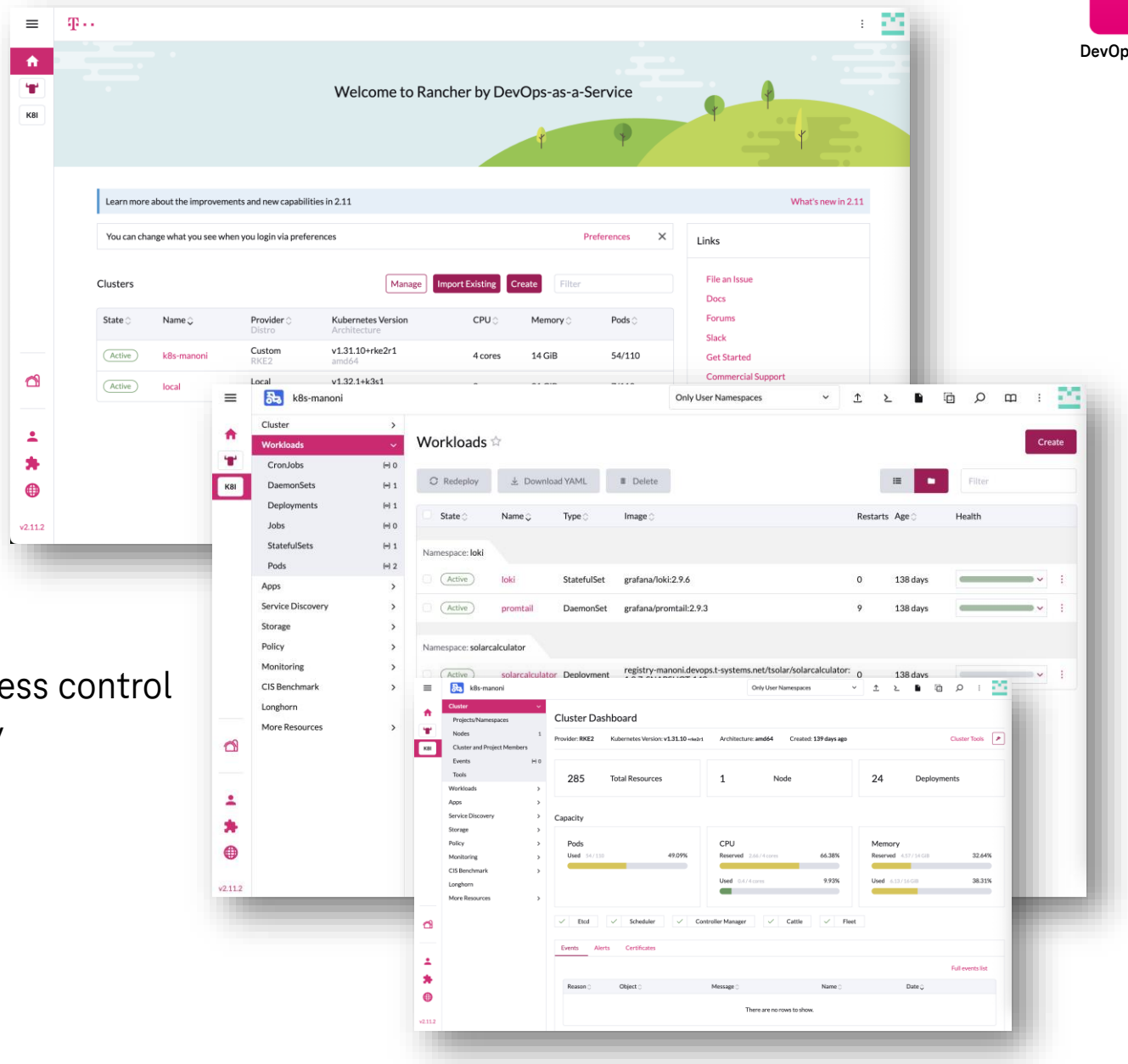
DevOps-as-a-Service

DevOps Function

Container Management

Features

- Manages multiple Kubernetes clusters
- Workload Management and Helm charts
- Accessible via Web Interface and API (kubectl)
- Multi-Cluster user management



Toolchain Integration

- Centralized authentication and role-based access control
- Connection to Harbor as Helm chart repository

Links

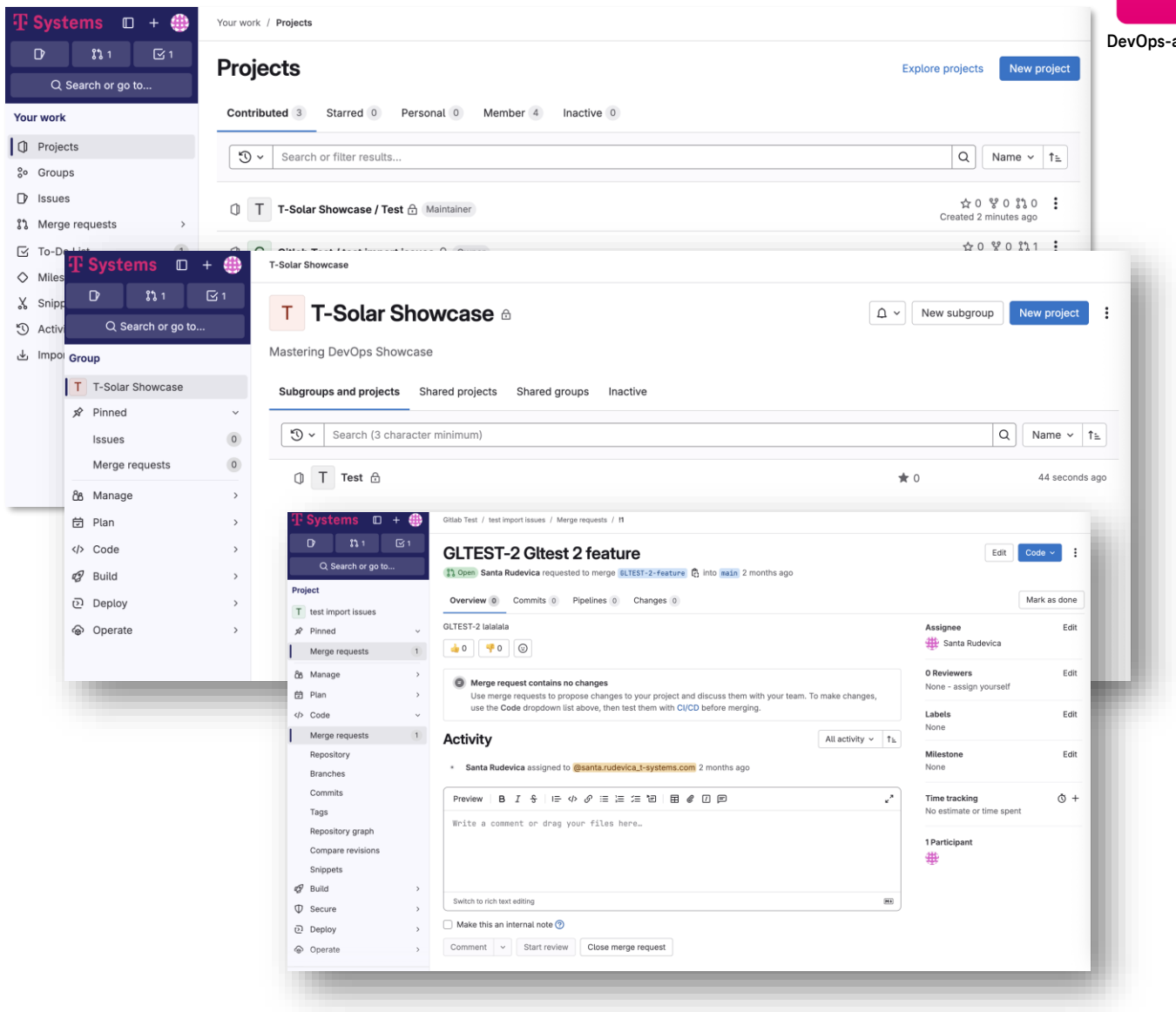
- Vendor Page
- Documentation at DevOps-as-a-Service

Gitlab

DevOps-as-a-Service

DevOps Function

SCM & CI/CD



Features

- Git repository management
- Accessible via web interface and Git clients
- Integrated compliance features
- CI/CD

Toolchain Integration

- Access and permission management
- Optional: managed runners

Links

- Vendor Page
- Documentation at DevOps-as-a-Service

Gitea

DevOps Function

SCM & Artifact Repository

Features

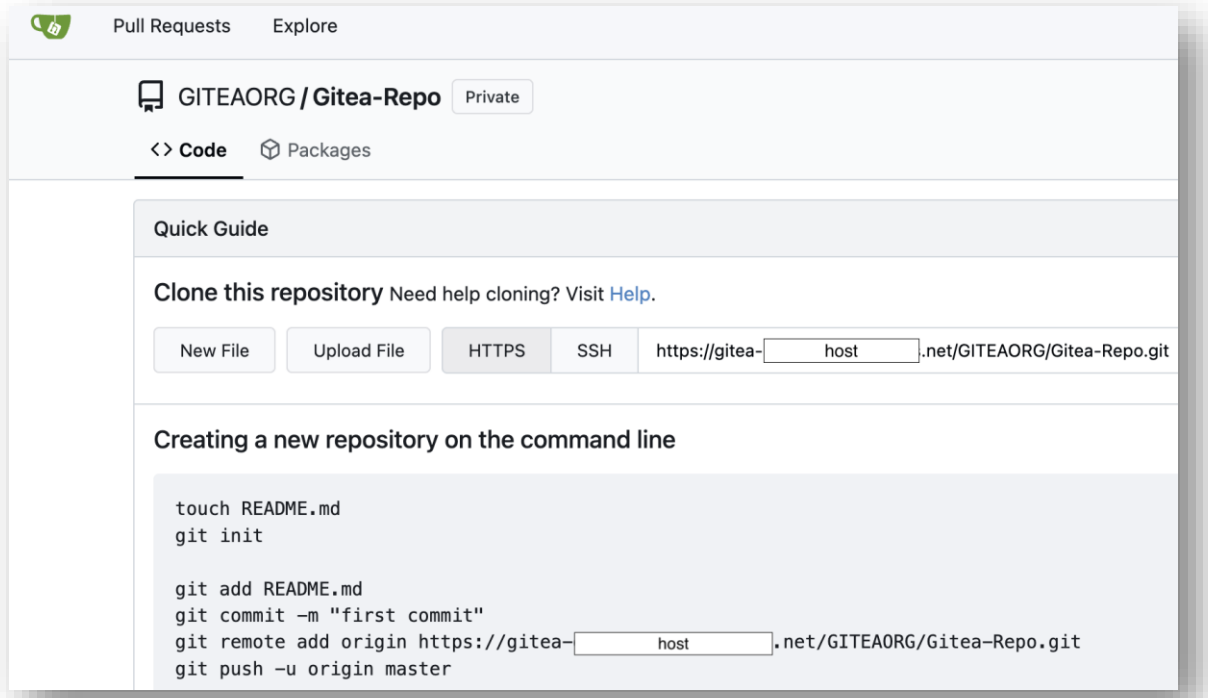
- Git repository management
- Accessible via web interface and Git clients
- Artifact repositotory (Maven, PyPI, Go etc)
- CI/CD

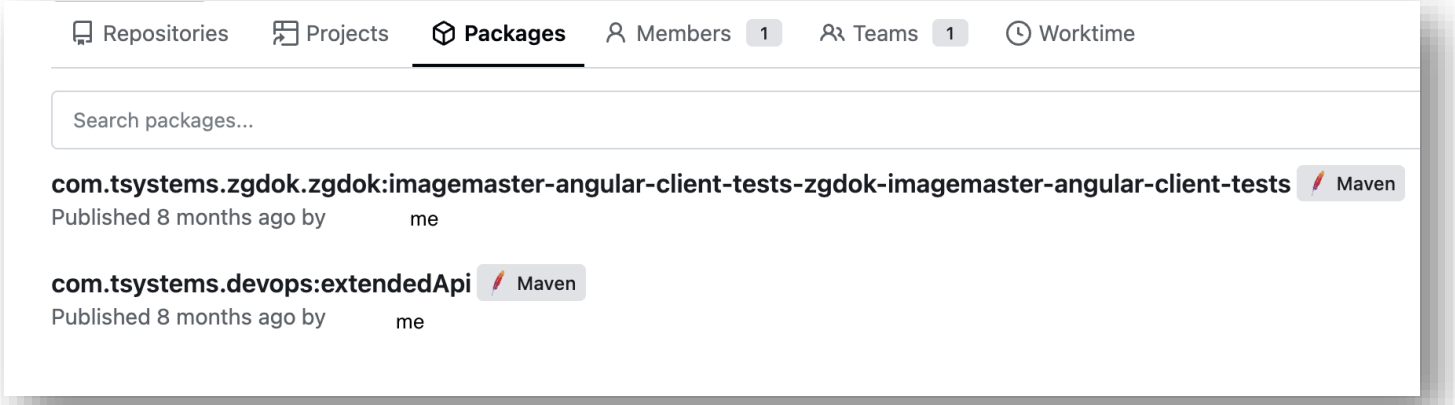
Toolchain Integration

- Access and permission management
- Technical user management
- Jenkins integration

Links

- Vendor Page
- Documentation at DevOps-as-a-Service





DevOps-as-a-Service

Harbor

DevOps-as-a-Service

DevOps Function

Artifact Repository

Features

- Manages Container images and Helm charts
- Versioning for artifacts
- Vulnerability scanning
- Metadata maintenance

Toolchain Integration

- Managed role-based access control
- Integration into build and deployment automation via Jenkins shared library

Links

- Vendor Page
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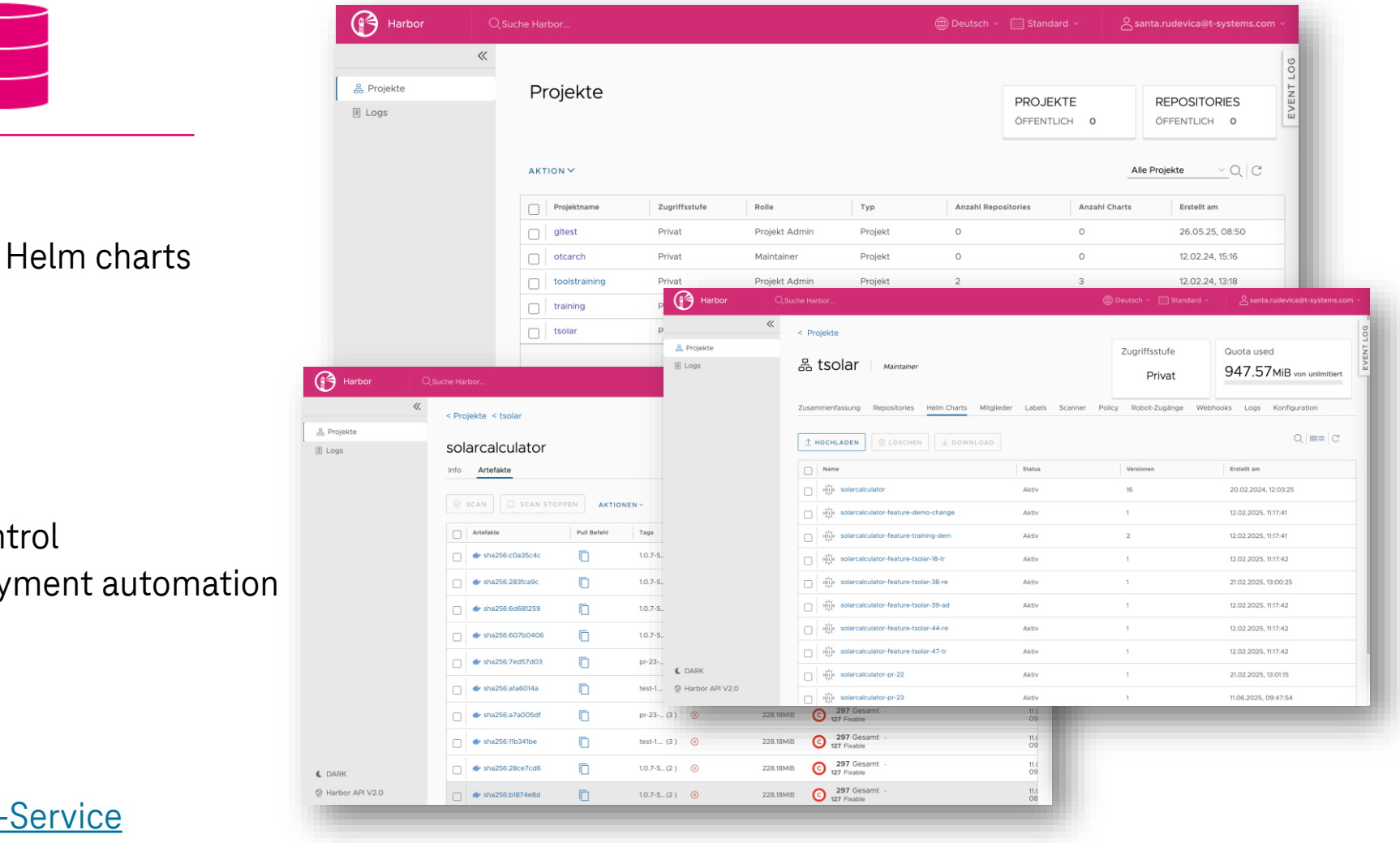


Dependency-Track

dependency track

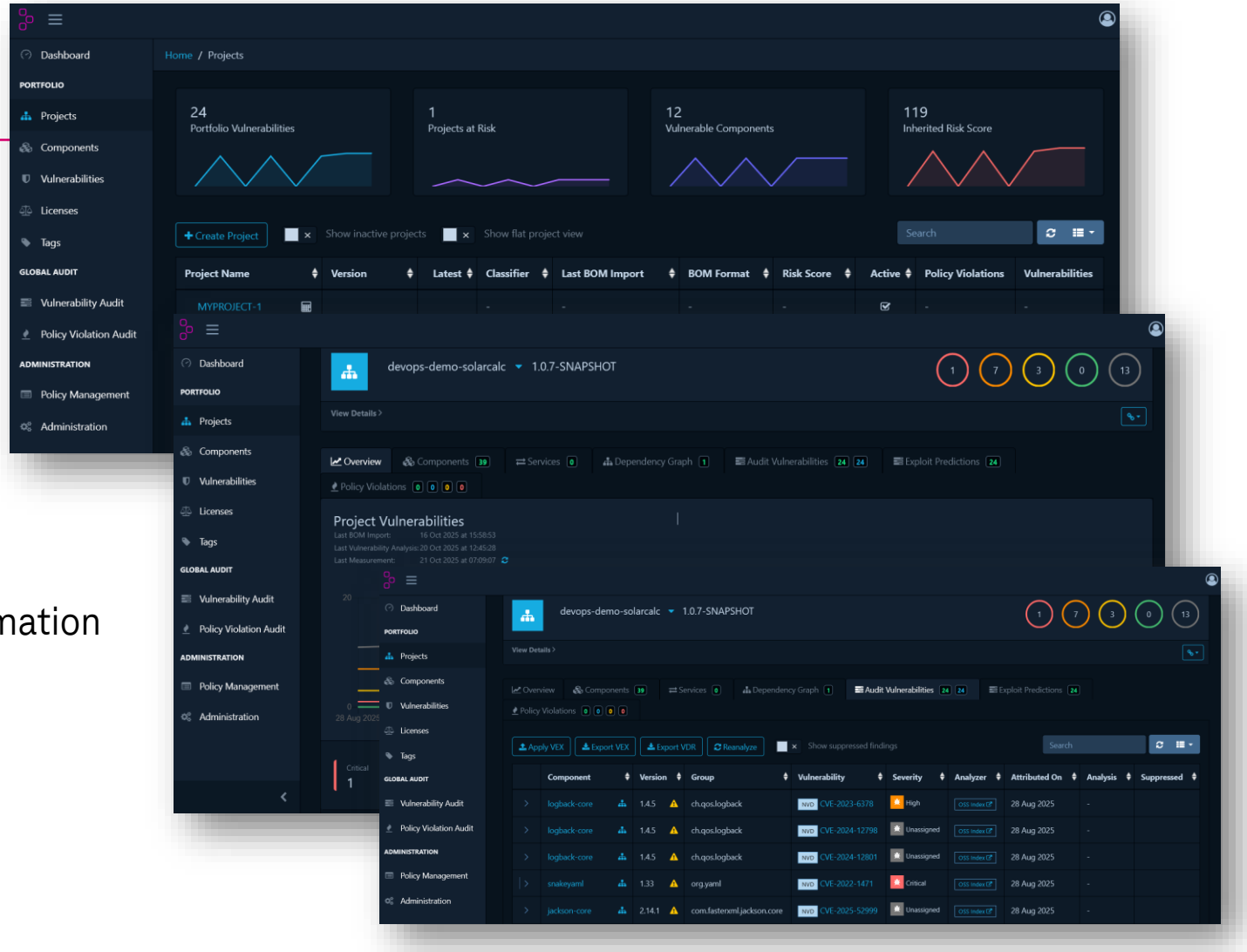
DevOps-as-a-Service

DevOps Function

Software Composition Analysis (SCA)

Features

- Vulnerability scanning
- License compliance checks
- Provides risk visibility via dashboards



Toolchain Integration

- Managed role-based access control
- Integration into build and deployment automation via Jenkins shared library

Links

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Sonarqube

DevOps-as-a-Service

DevOps Function

Static Code Analysis

Features

- Bugs and Vulnerability scanning

Toolchain Integration

- Managed role-based access control
- Integration into build and deployment automation via Jenkins shared library

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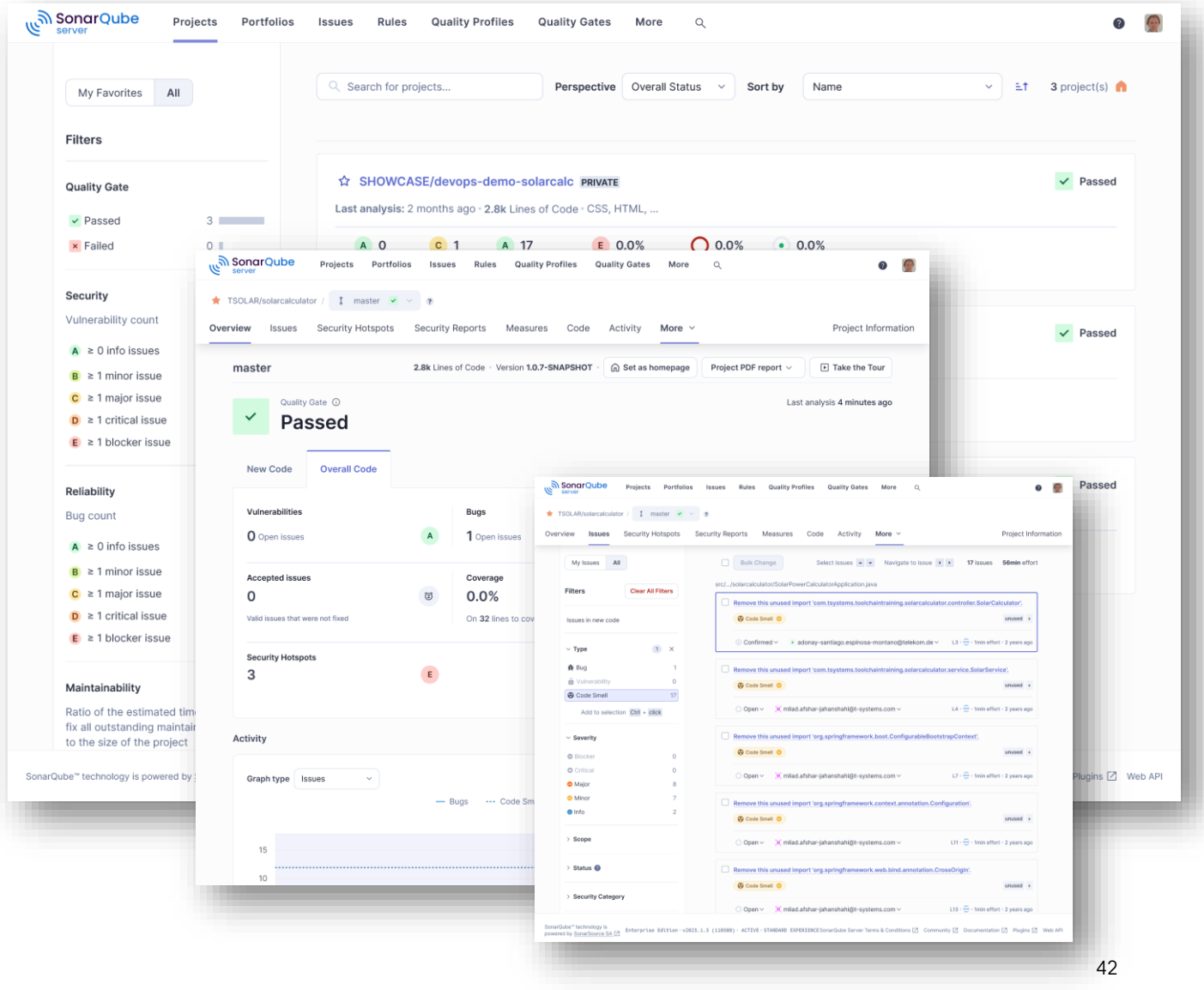

X-Wiki

DevOps-as-a-Service

DevOps Function

Collaboration & Documentation

Features

- Collaborative Content Editing
- Advanced Page & Document Management
- Powerful Search & Navigation
- Macros & Widgets
- Attach images and files

Toolchain Integration

- Centralized authentication and role-based access control

Links

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