

DevOps-as-a-Service Product Information

January 2026

DevOps-as-a-Service

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



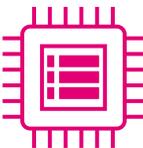
Automate building and testing of software



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

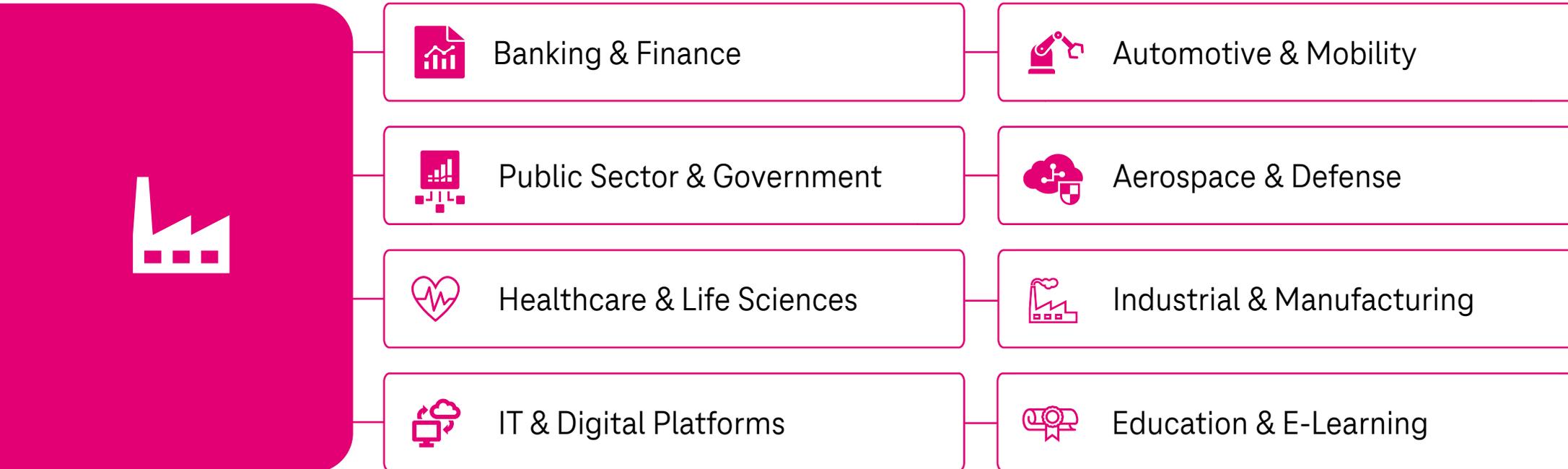
5.275

Repositories

Business & Industry Landscape



DevOps-as-a-Service



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.

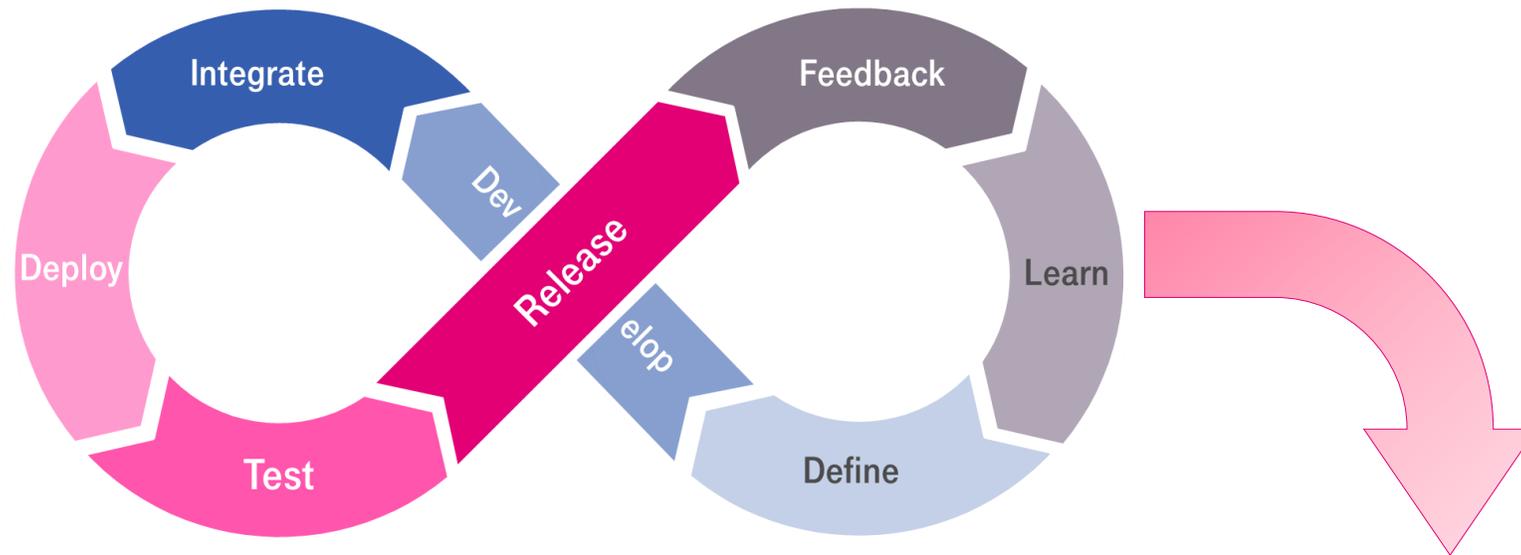
Reference:

- <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

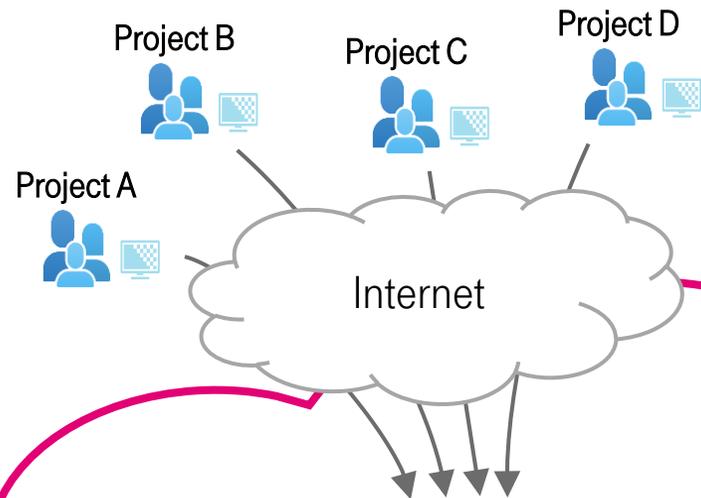


Collaborative work with the Toolchain



DevOps-as-a-Service

Customer



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

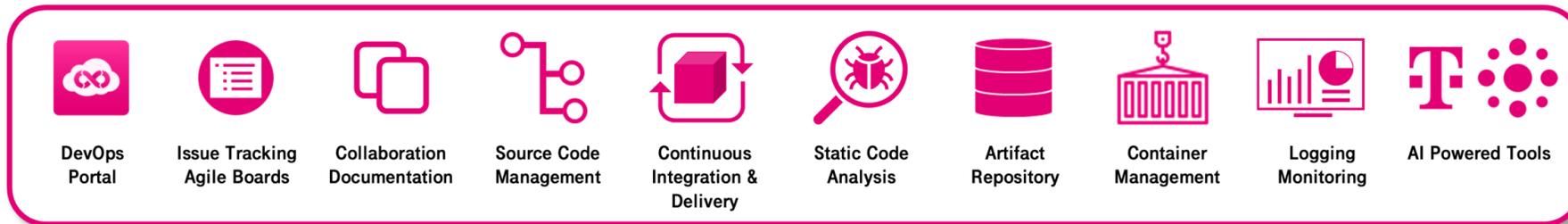
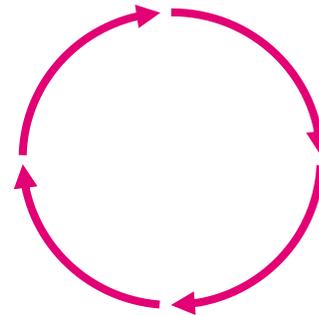
Deployment Target

Cloud and on Premise
Managed by customer



Observability

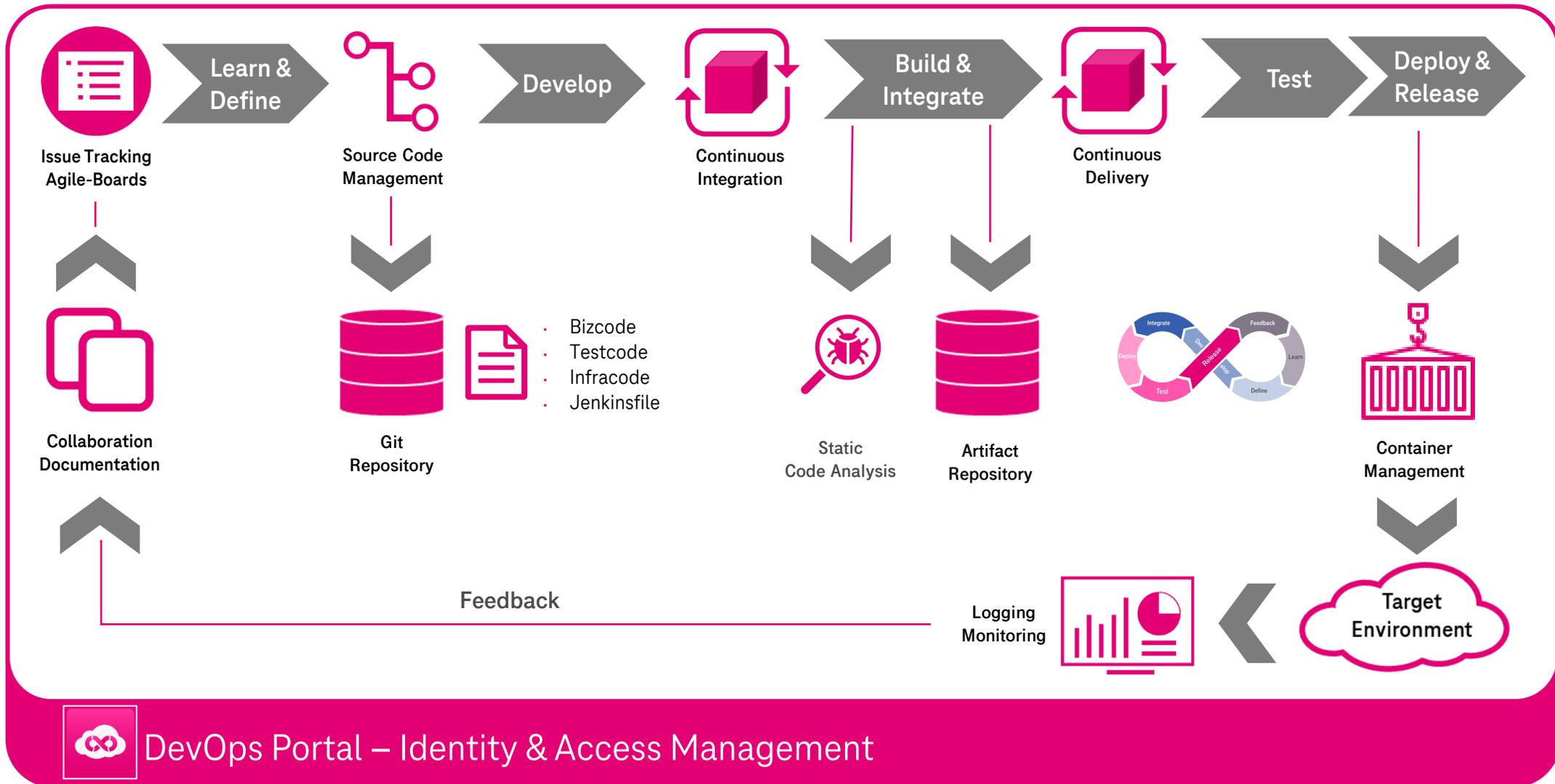
Monitor deployed applications
through integrated logging and
monitoring solutions



DevOps Functions



DevOps-as-a-Service



DevOps Portal – Identity & Access Management

Features



DevOps-as-a-Service

Tools

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

Management

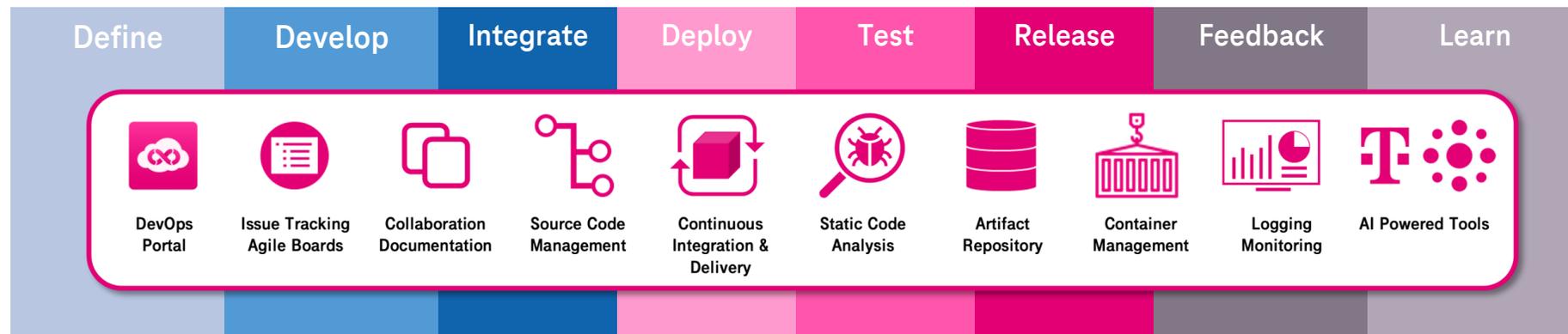
- Cloud Service
- Operated by T-Systems
- Self-service for users and projects via DevOps portal

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

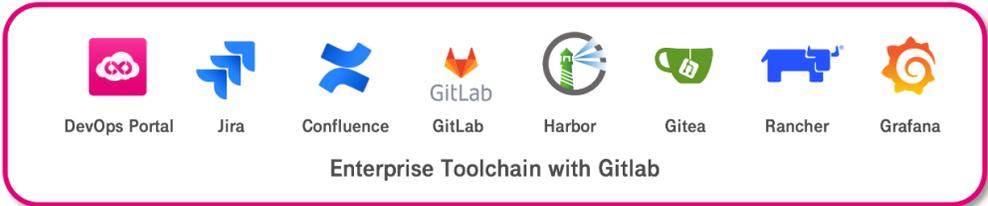
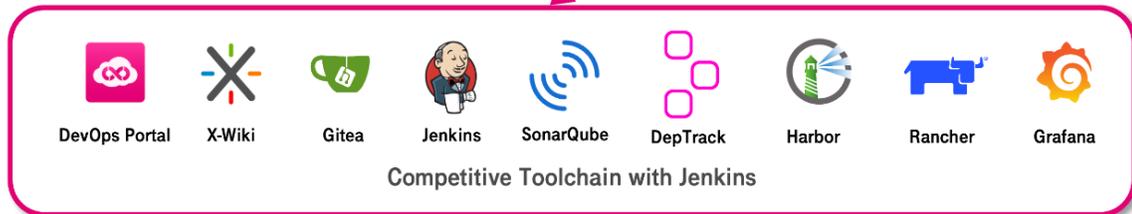
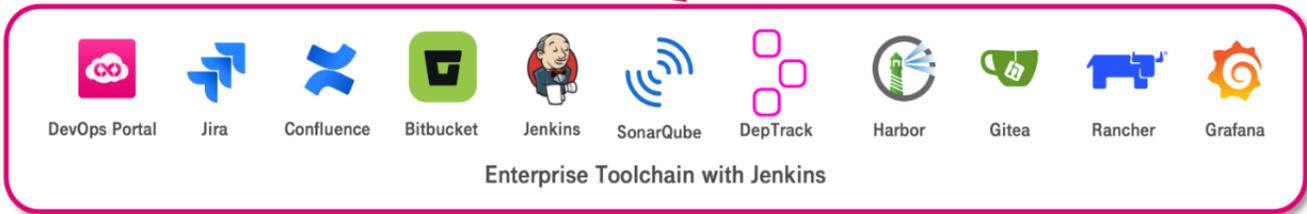


DevOps-as-a-Service



Enterprise Toolchains

Competitive Toolchain



Toolchain Selection



DevOps-as-a-Service

Toolchain Selection

Packages from 10 to 1000 users

XS
10 Users

S
25 Users

M
50 Users

L
100 Users

XL
250 Users

XXL
500 Users

XXXL
1000 Users

Competitive Toolchain

Enterprise Toolchain



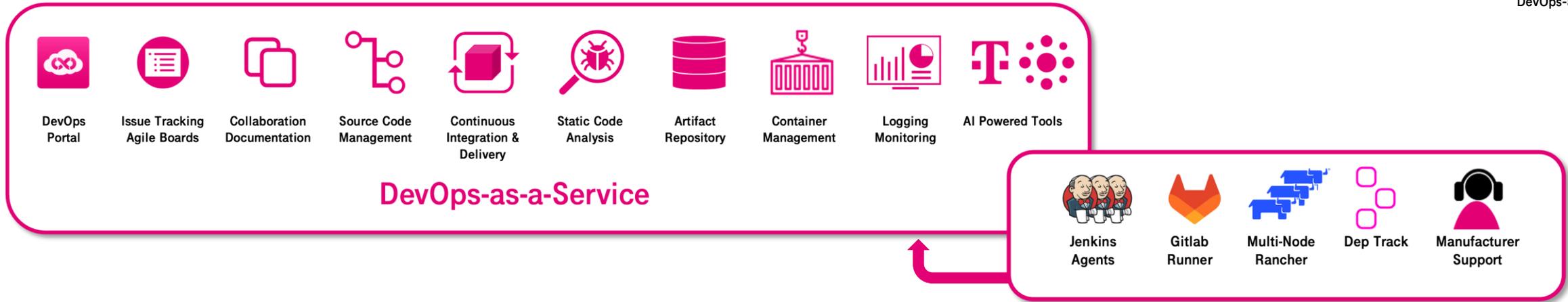
Contact Sales

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

**DEVOPS-AS-A-SERVICE
EXCLUSIVE SOLUTION**



Jenkins Controller
Docker Plugin

creates on demand



creates on demand



creates on demand



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



DevOps-as-a-Service



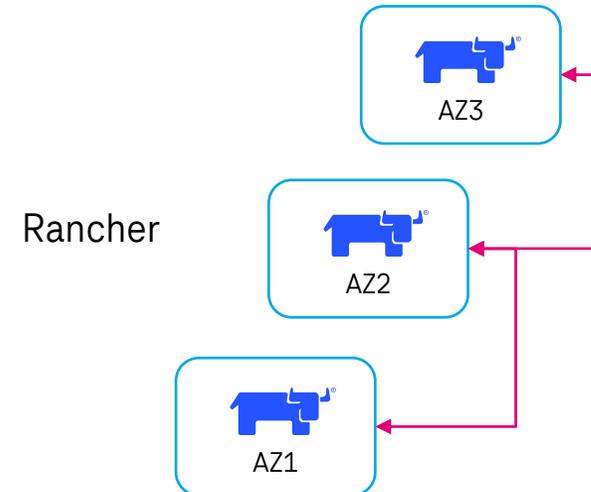
Single-node Rancher

- 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)

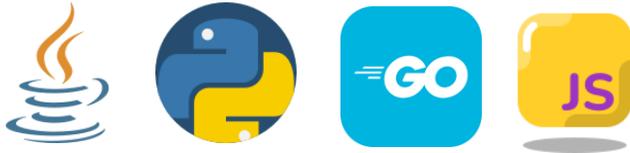
 Terraform (Infrastructure as Code)



- AI-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 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



DevOps-as-a-Service

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

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 Assessment \(PSA\)](#)

Responsibility Model



DevOps-as-a-Service

Customer

Usage

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

Customizing

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

T-Systems

Basic Configuration

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

Software

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

Infrastructure

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

Onboarding



DevOps-as-a-Service

Training & Consulting

Presales

Provisioning

Operations

Info / Q&A /
Demo

Onboarding-
Sheet

Setup
Infrastructure

Setup Toolchain

Prepare Operations

User Onboarding

Tool Usage

Early-Life-
Support

Regular Operation

Customer Order

Customer Handover

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



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

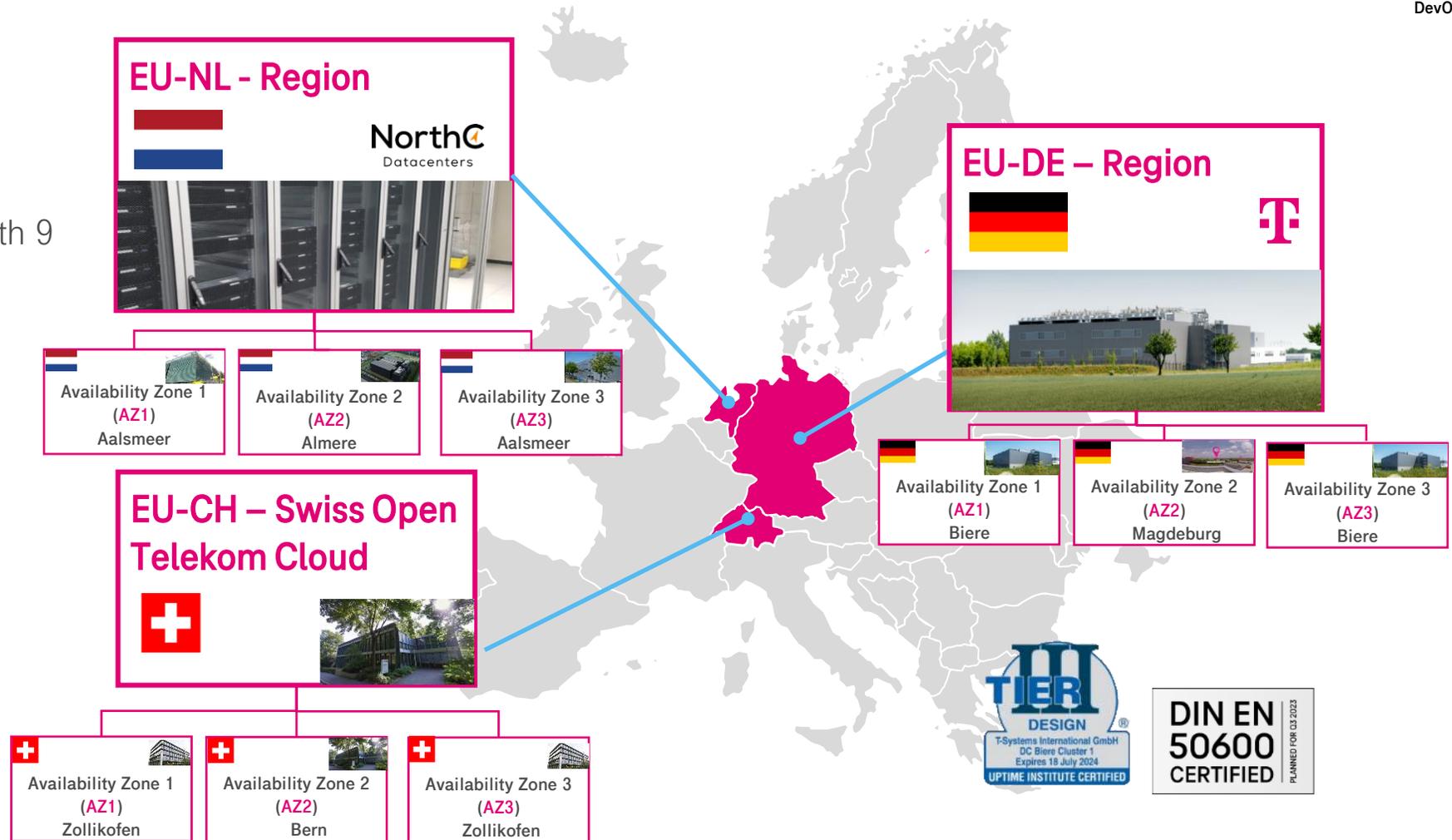
Open Telekom Cloud (OTC) Data Centers



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



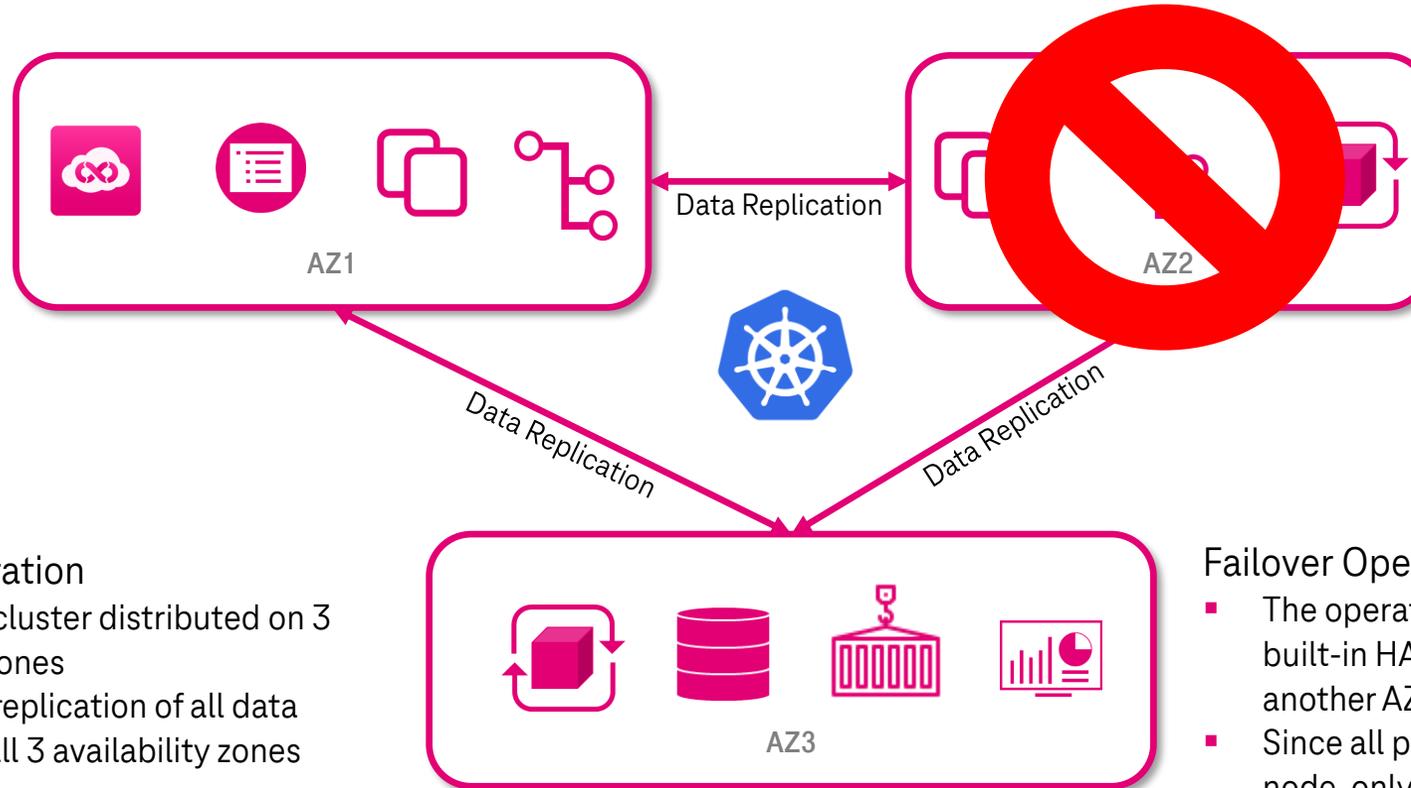
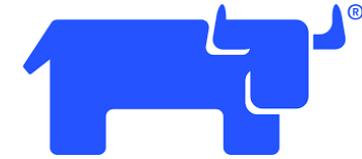
High Availability Architecture



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

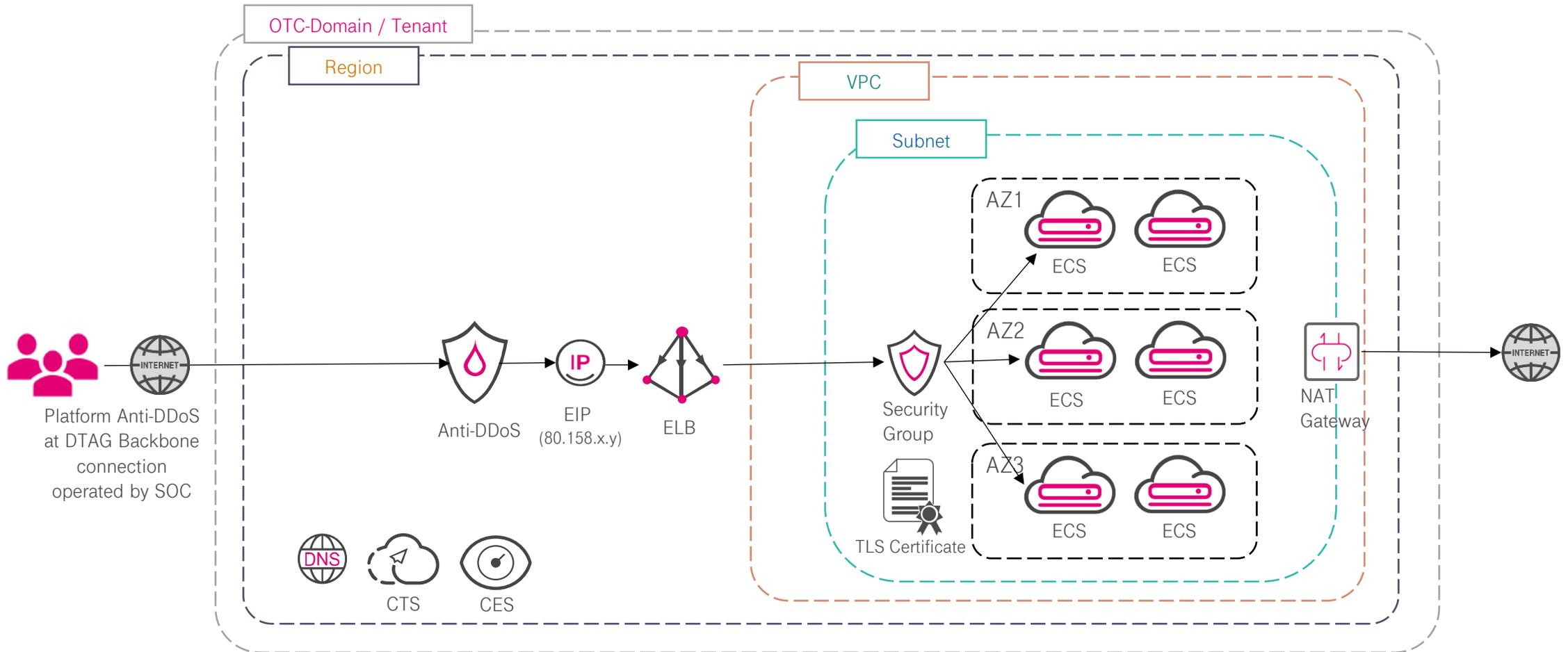
Failover Operation

- 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



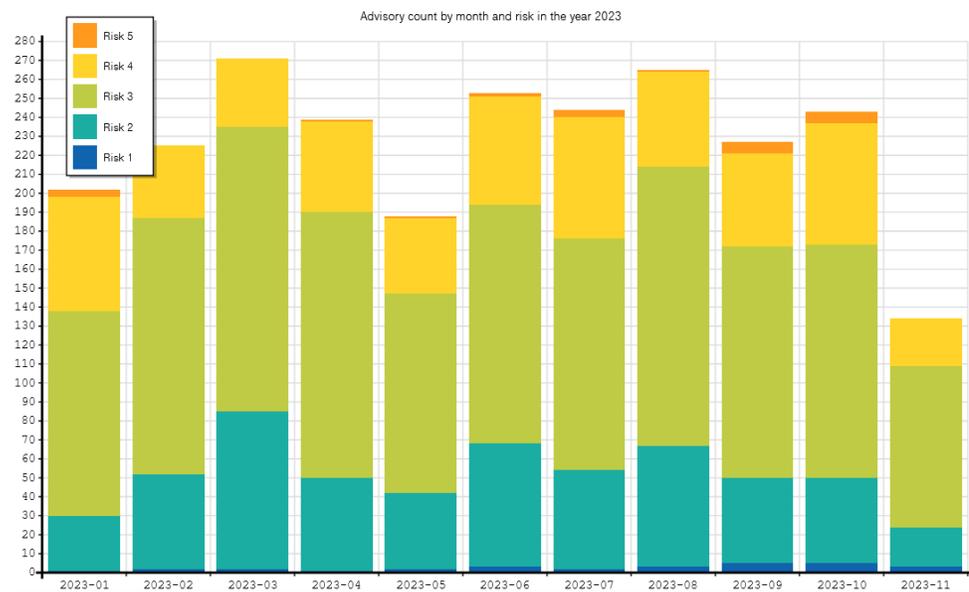
DevOps-as-a-Service



Cyber Threat Intelligence Portal



DevOps-as-a-Service



Advisories filtered for Custom Advisory #1479

Showing filtered advisories of the last 3 days.

[to Custom Advisory overview](#)

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

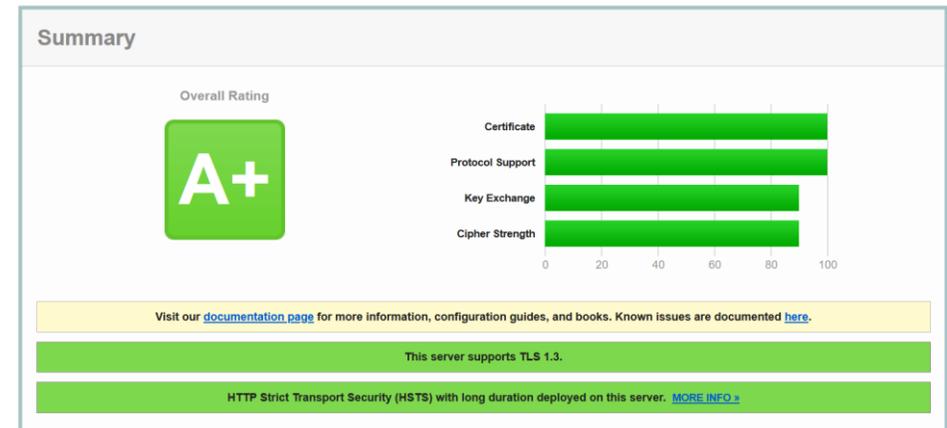
SSL Certificates & Config



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

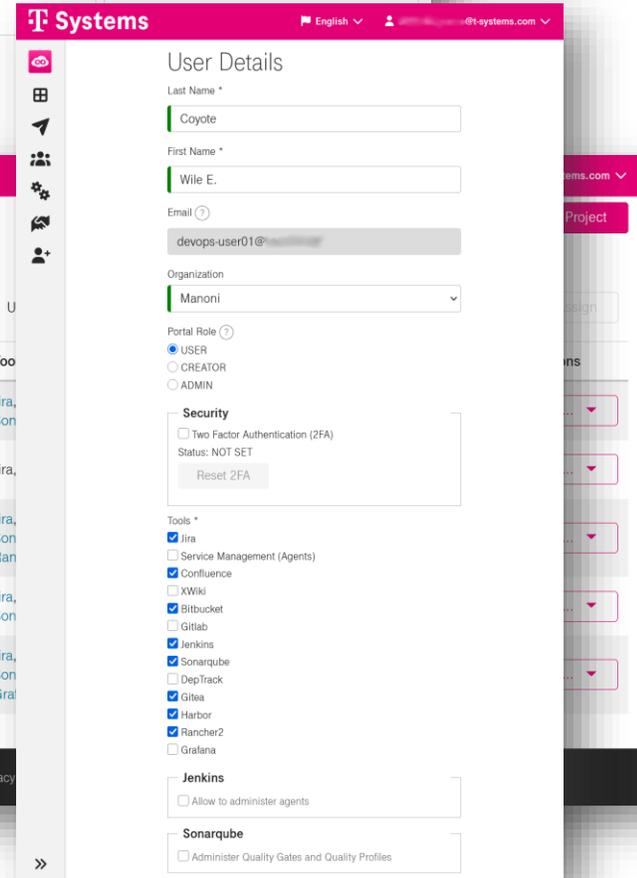
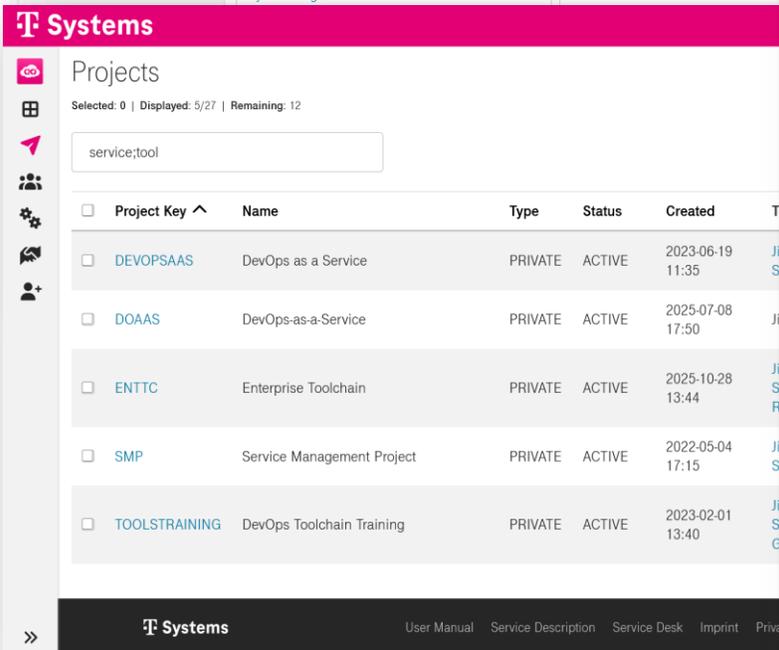
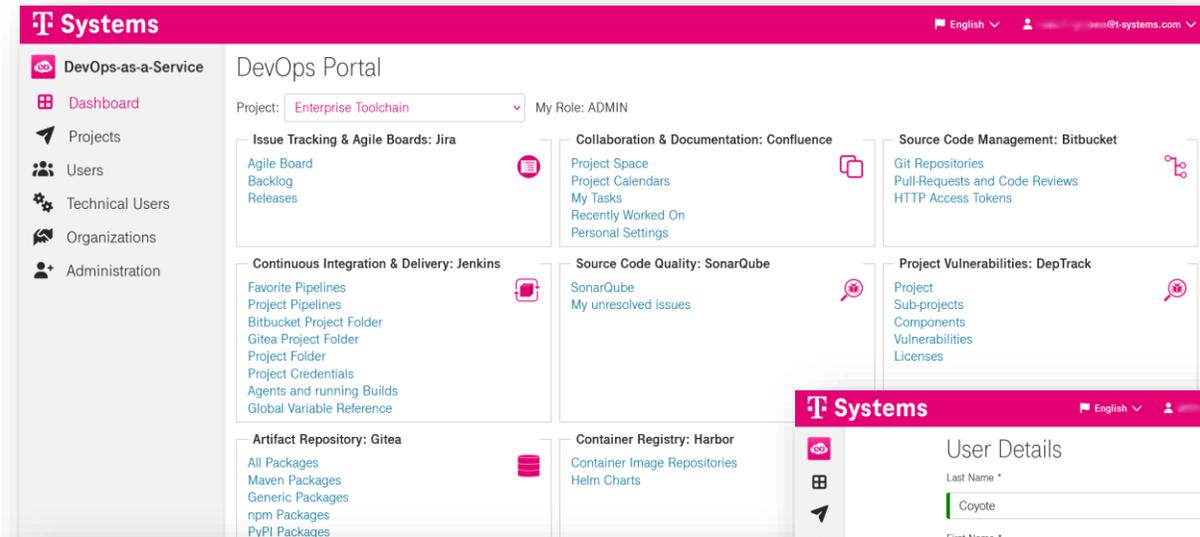
- Administer all your Projects, Users and Roles
- Automated license management for tools
- Optional second-factor-authentication (2FA)

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](#)



DevOps-as-a-Service



DevOps Function

Issue Tracking & Agile Boards



Features

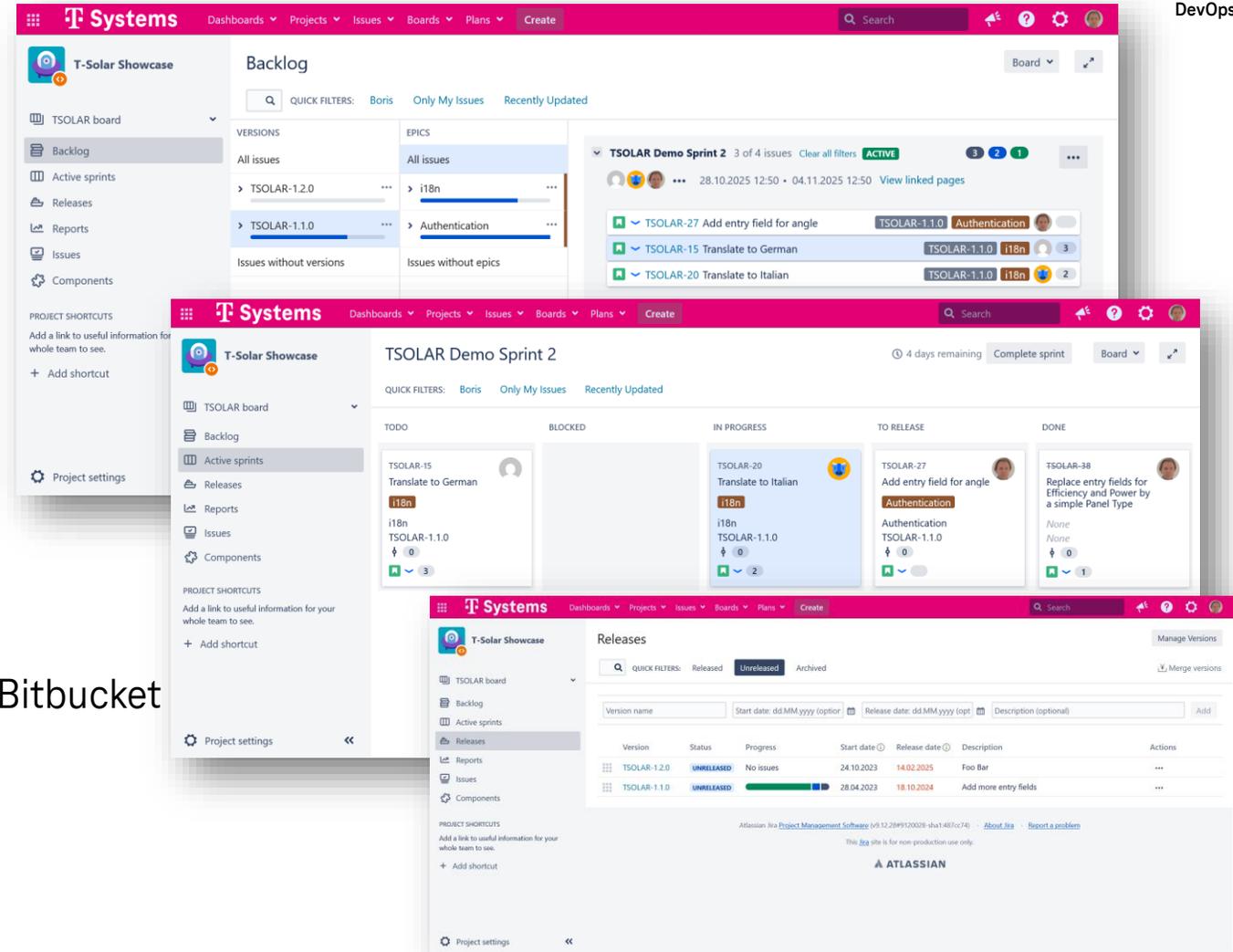
- Audit-proof issue tracking
- Scrum and Kanban boards
- Release planning
- Backlog refinement

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](#)



DevOps-as-a-Service

DevOps Function

Collaboration & Documentation 

Features

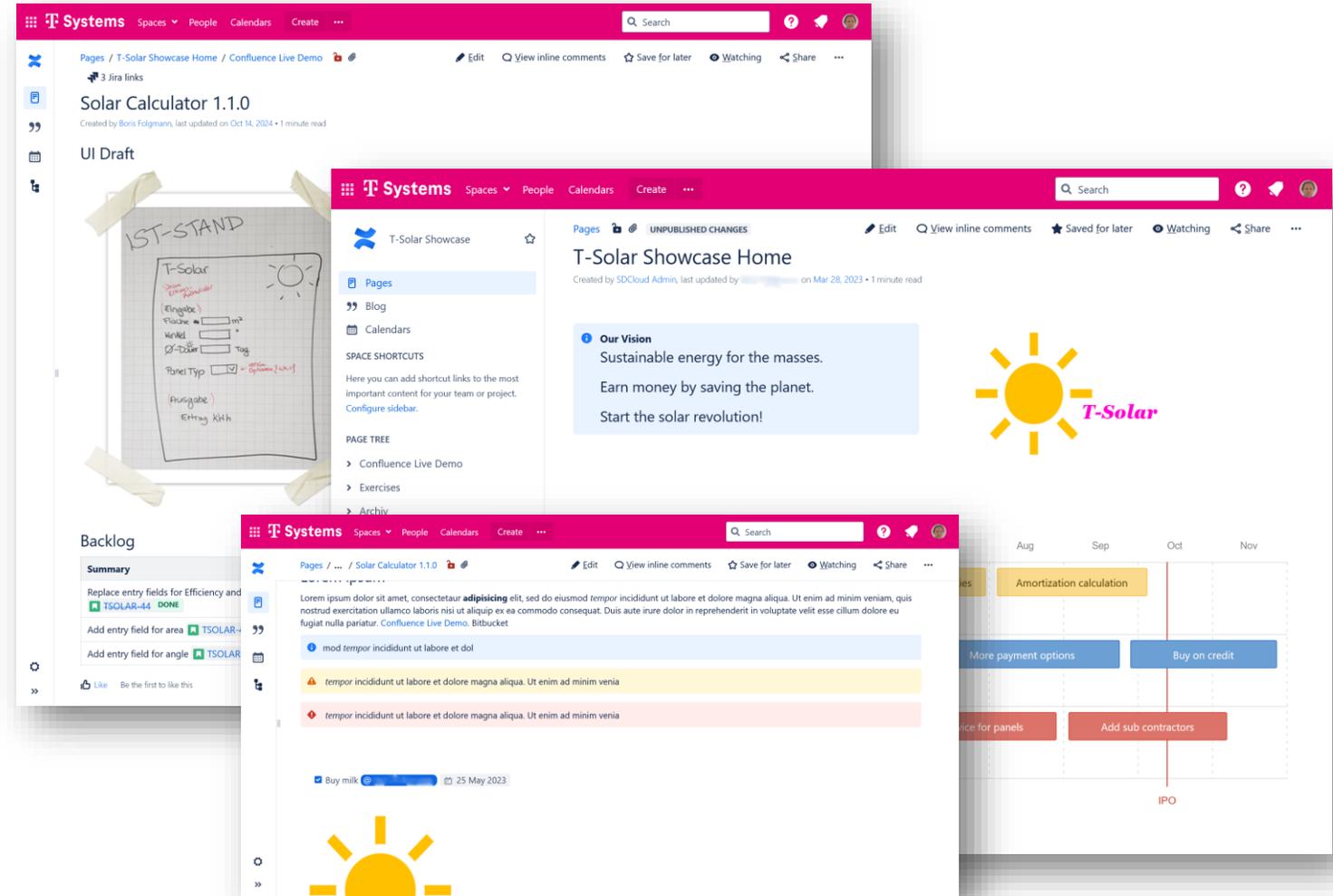
- Wiki software for fast authoring
- Write detailed specifications of user stories
- Attach images and files
- Road Map planning

Toolchain Integration

- Pages show related issues in Jira

Links

- [Vendor Page](#)
- [Documentation at DevOps-as-a-Service](#)



The image displays a collage of three overlapping screenshots of the Confluence web interface. The top-left screenshot shows a page titled 'Solar Calculator 1.1.0' with a 'UI Draft' section containing a hand-drawn diagram of a solar panel layout. The top-right screenshot shows the 'T-Solar Showcase Home' page with a 'Our Vision' section and a 'T-Solar' logo. The bottom screenshot shows a page with a 'Backlog' section and a 'Summary' section, with a 'Buy milk' task visible at the bottom. The interface includes a navigation bar with 'T Systems' and various menu options, and a search bar.



DevOps-as-a-Service

DevOps Function

Source Code Management



Features

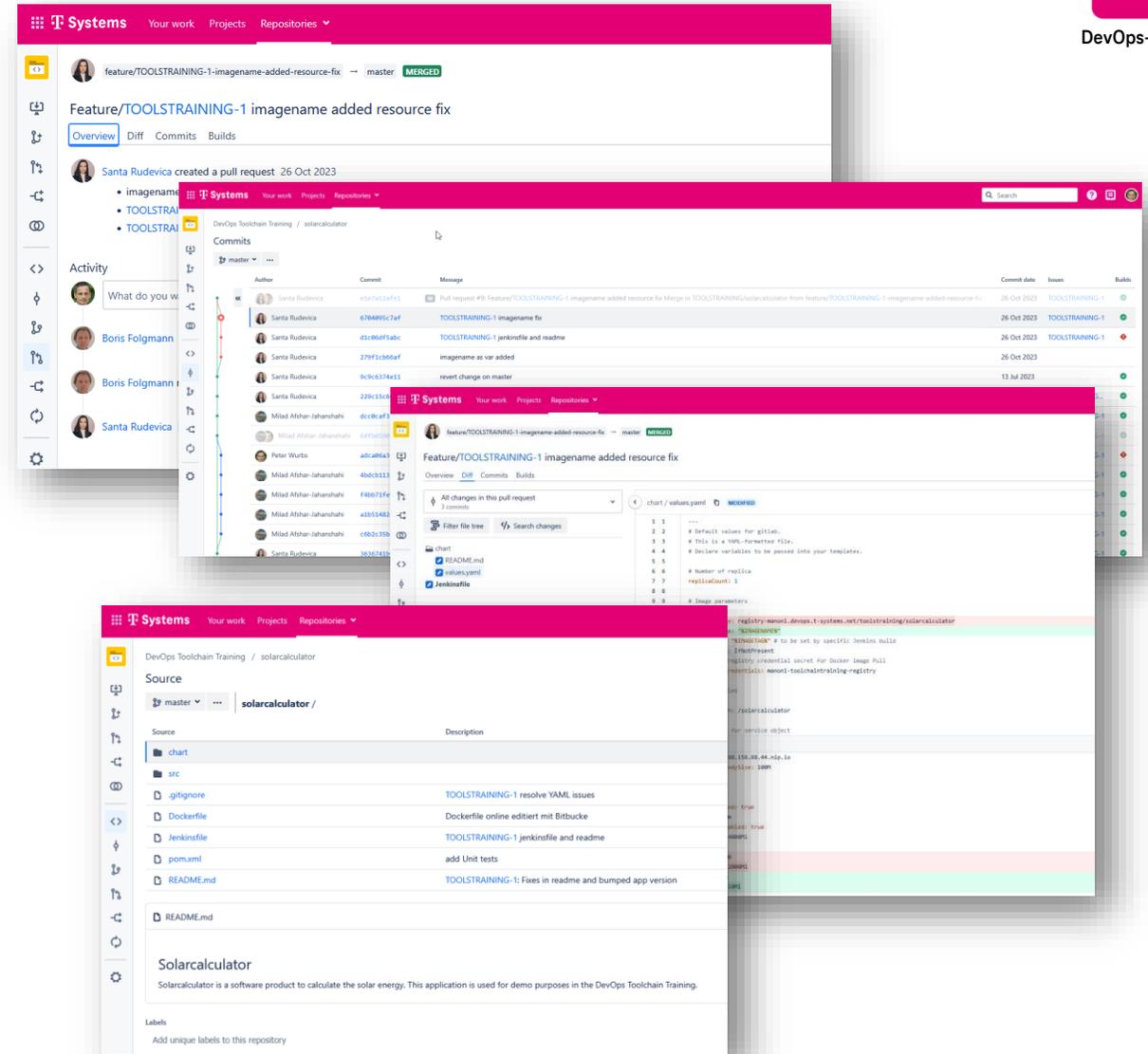
- Git Repository Management
- Accessible via Web Interface and Git Clients
- Branch Permissions & Access Control
- Pull Requests & Code Review

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](#)



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](#)



DevOps Function

Container Management



Features

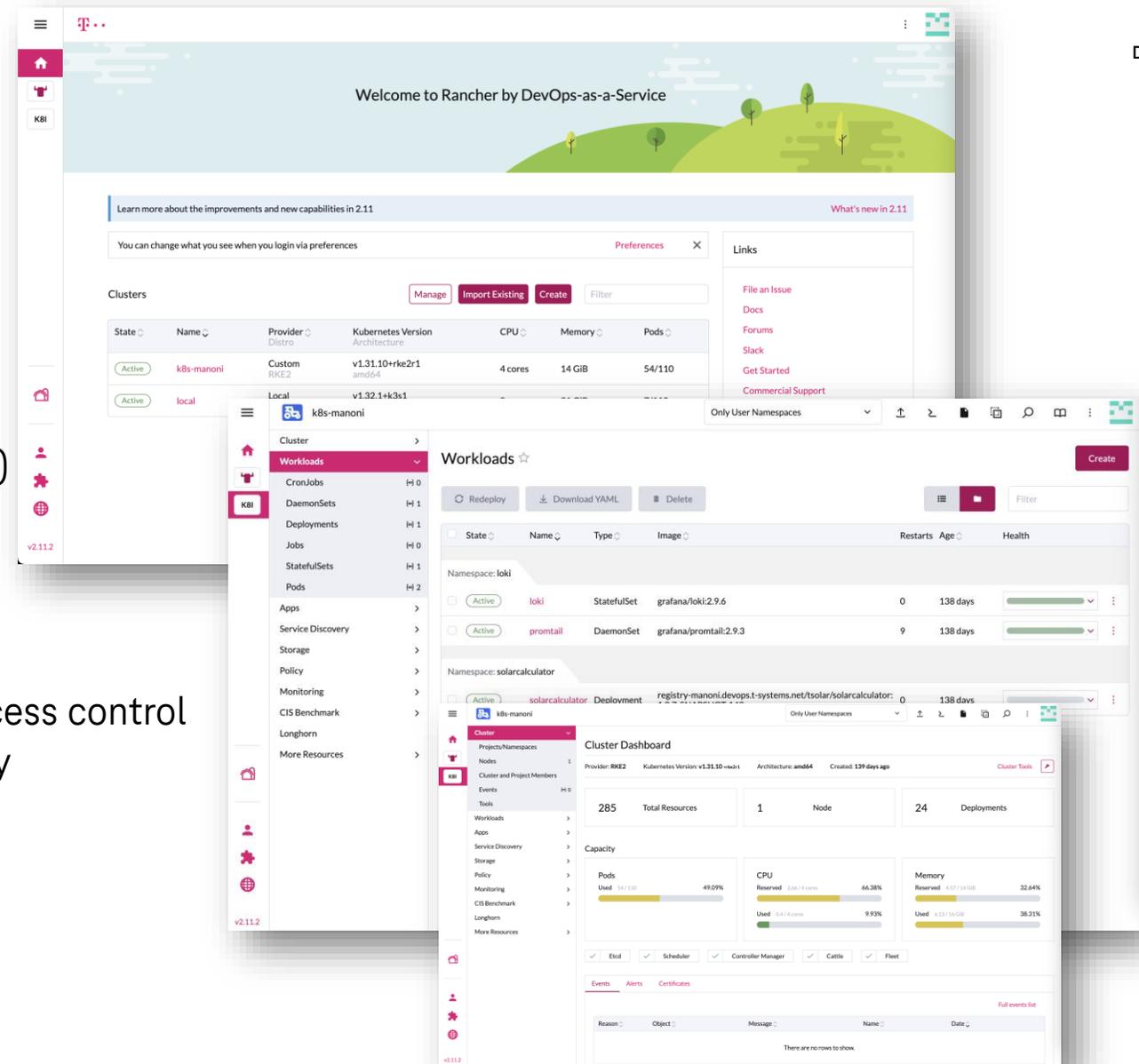
- Manages multiple Kubernetes clusters
- Workload Management and Helm charts
- Accessible via Web Interface and API (kubectl)
- Multi-Cluster user management

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](#)





DevOps-as-a-Service

DevOps Function

SCM & CI/CD



Features

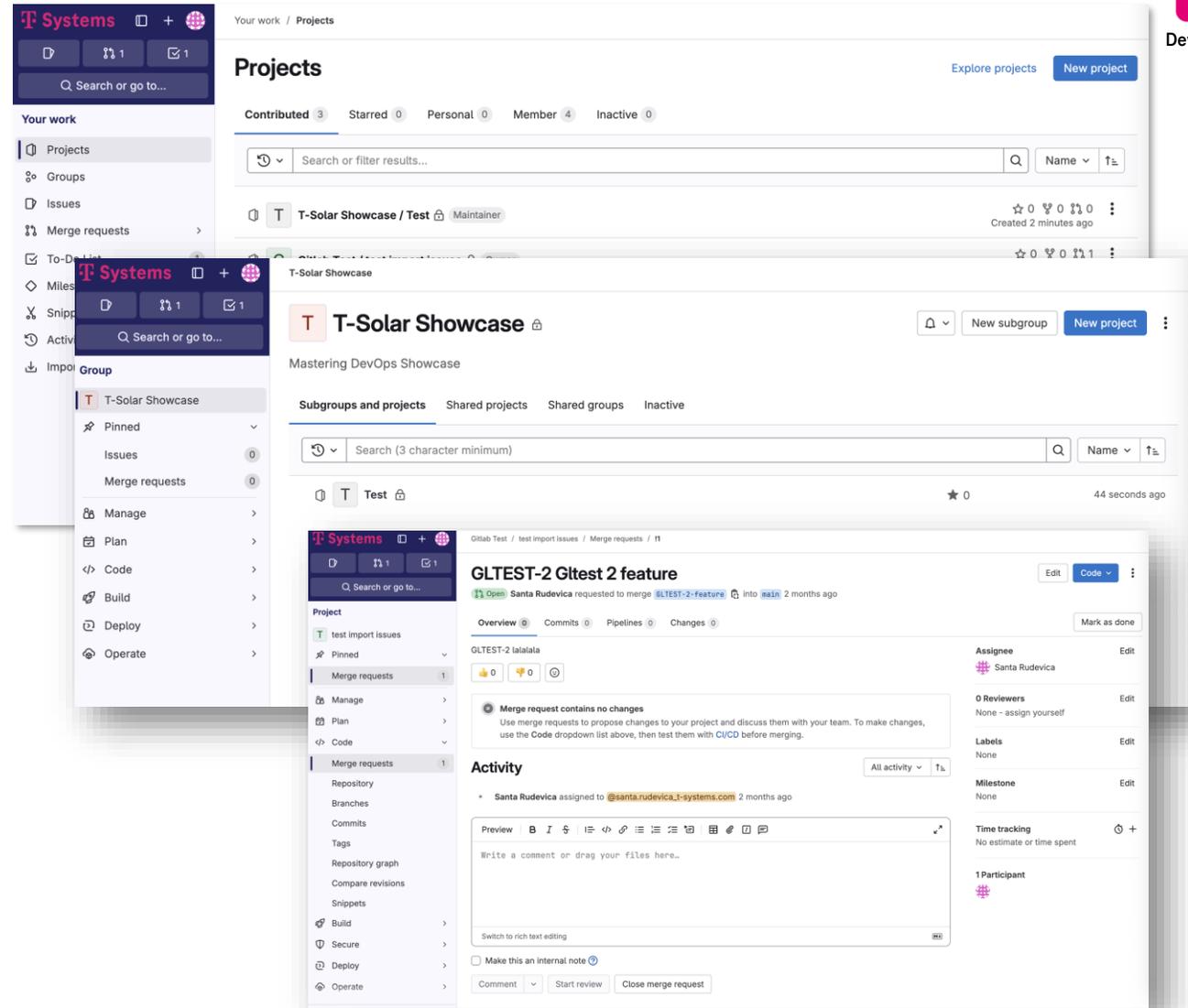
- Git repository management
- Accessible via web interface and Git clients
- Integrated compliance features
- CI/CD

Toolchain Integration

- Access and permission management
- Optional: managed runners

Links

- [Vendor Page](#)
- [Documentation at DevOps-as-a-Service](#)





DevOps Function

SCM & Artifact Repository



Features

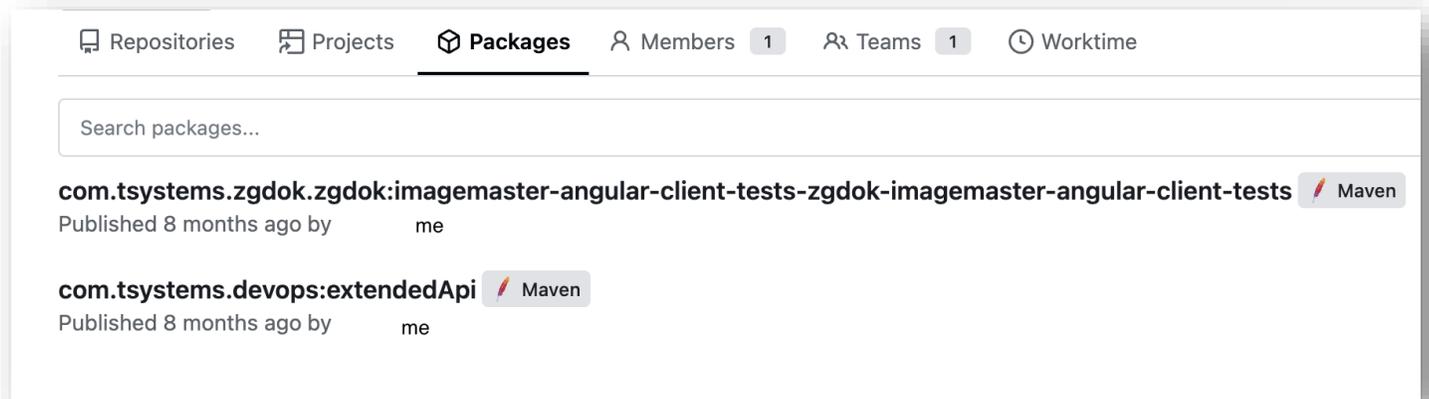
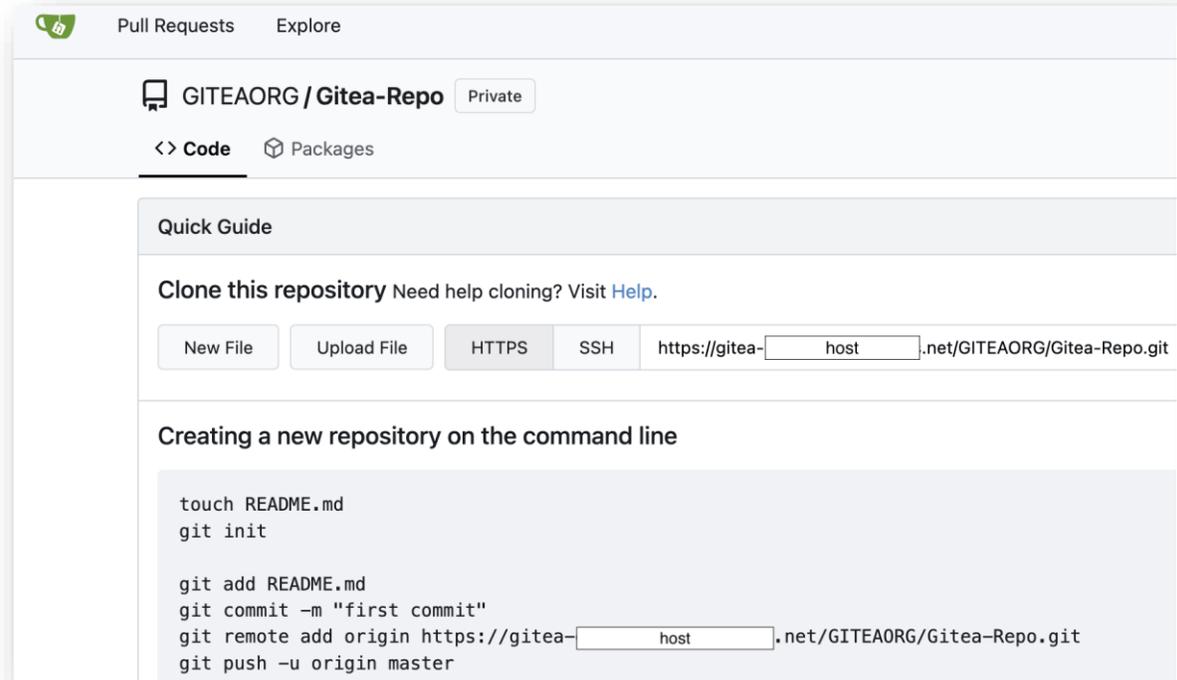
- Git repository management
- Accessible via web interface and Git clients
- Artifact repository (Maven, PyPI, Go etc)
- CI/CD

Toolchain Integration

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

Links

- [Vendor Page](#)
- [Documentation at DevOps-as-a-Service](#)



DevOps-as-a-Service

DevOps Function

Artifact Repository



Features

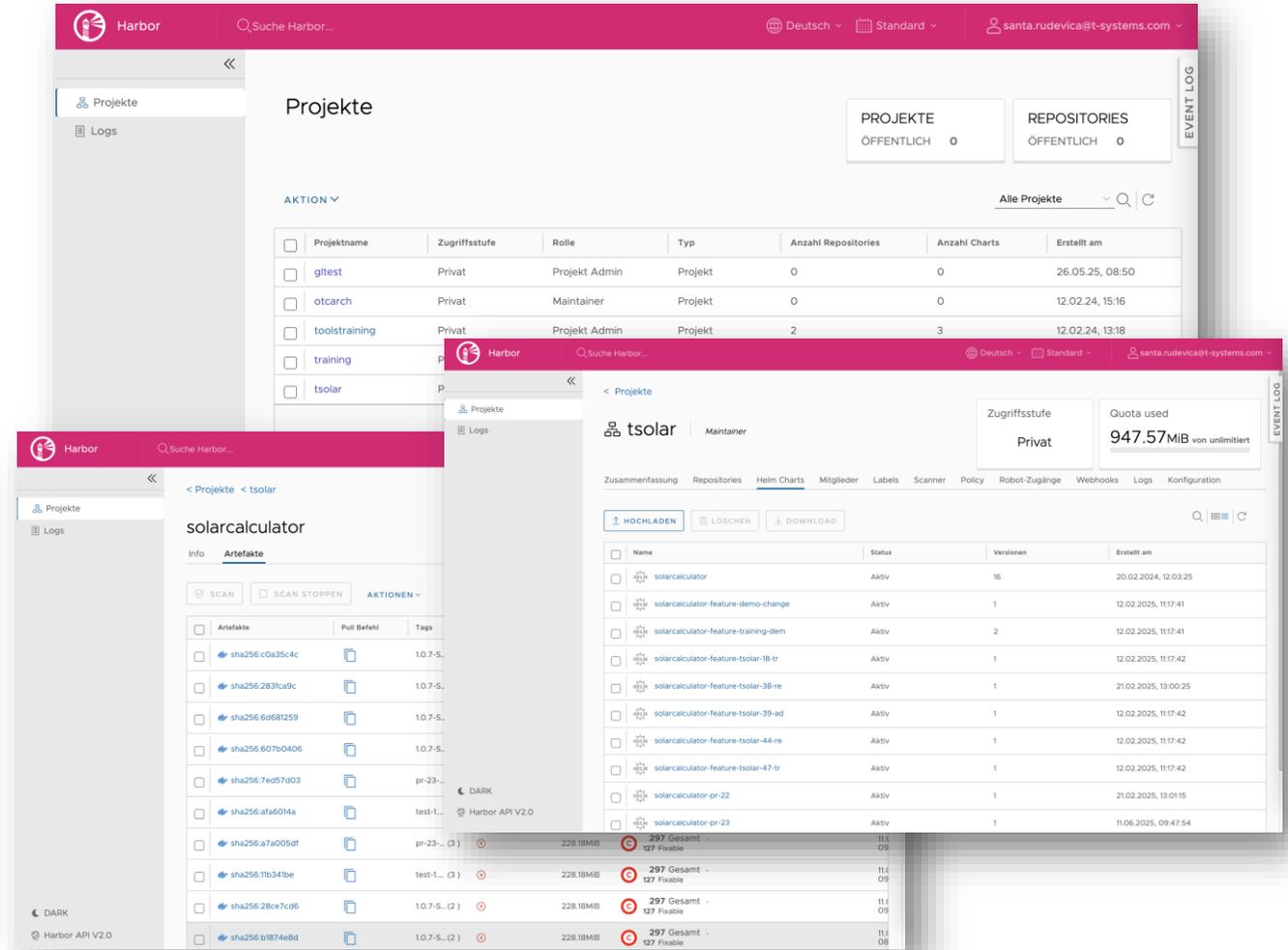
- Manages Container images and Helm charts
- Versioning for artifacts
- Vulnerability scanning
- Metadata maintenance

Toolchain Integration

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

Links

- [Vendor Page](#)
- [Documentation at DevOps-as-a-Service](#)



The image displays three overlapping screenshots of the Harbor web interface. The top screenshot shows the 'Projekte' (Projects) overview page, featuring a table with columns for 'Projektname', 'Zugriffsstufe', 'Rolle', 'Typ', 'Anzahl Repositories', 'Anzahl Charts', and 'Erstellt am'. The middle screenshot shows the 'tsolar' project details page, including a 'Zugriffsstufe' (Privat) and 'Quota used' (947.57MiB) section. The bottom screenshot shows the 'solarcalculator' project details page, displaying a table of artifacts with columns for 'Name', 'Status', 'Versionen', and 'Erstellt am'.

DevOps Function

Software Composition Analysis (SCA)



Features

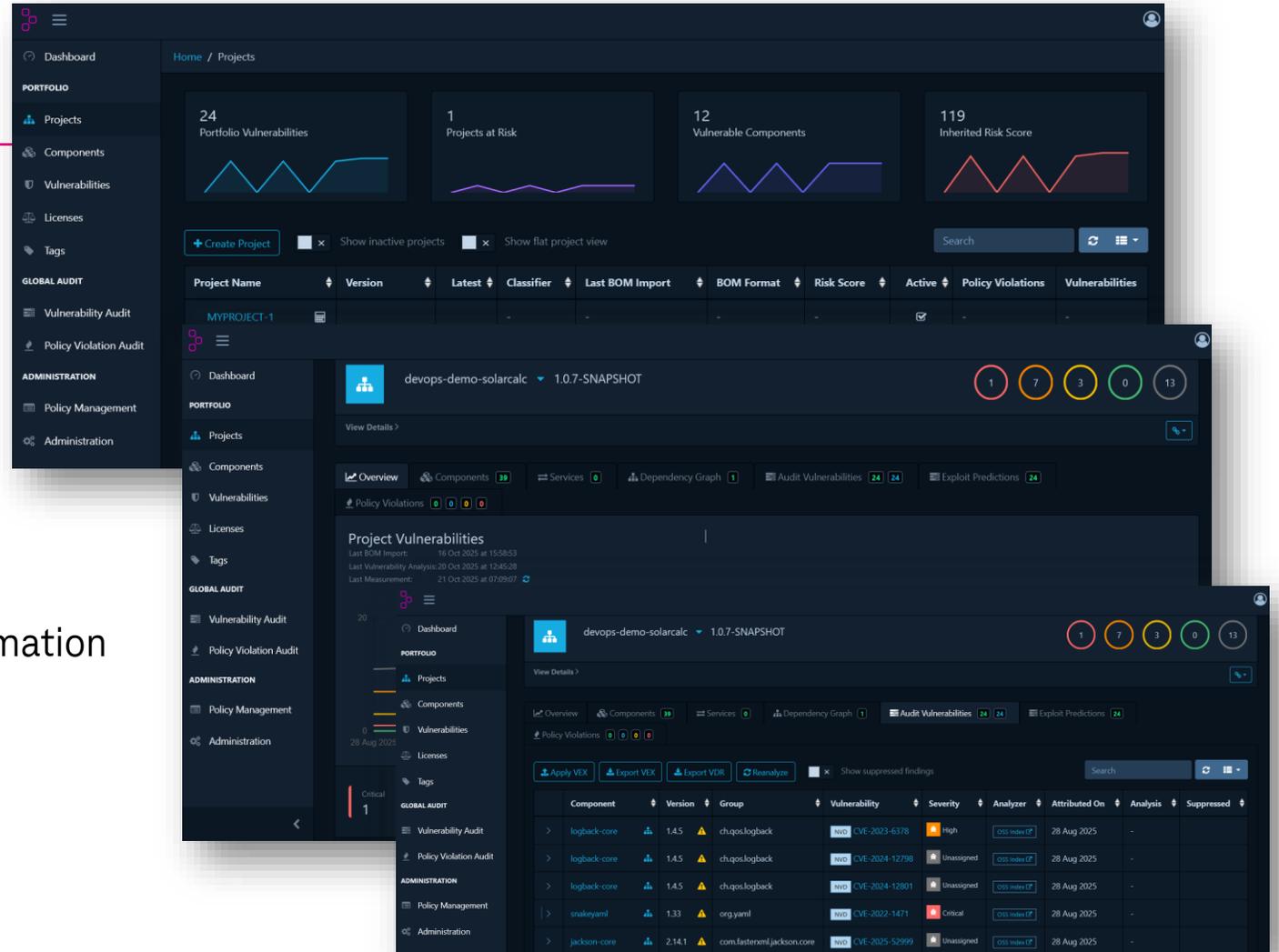
- Vulnerability scanning
- License compliance checks
- Provides risk visibility via dashboards

Toolchain Integration

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

Links

- [Vendor Page](#)
- [Documentation at DevOps-as-a-Service](#)



The screenshot displays the Dependency-Track interface. The top dashboard shows key metrics: 24 Portfolio Vulnerabilities, 1 Project at Risk, 12 Vulnerable Components, and 119 Inherited Risk Score. Below this is a table of projects, with 'MYPROJECT-1' highlighted. A second screenshot shows a detailed view of a project named 'devops-demo-solarcalc' with a '1.0.7-SNAPSHOT' version. It features a 'Project Vulnerabilities' section with a table of findings:

Component	Version	Group	Vulnerability	Severity	Analyzer	Attributed On	Analysis	Suppressed
logback-core	1.4.5	ch.qos.logback	NVD CVE-2023-6378	High	OSS Index (P)	28 Aug 2025	-	-
logback-core	1.4.5	ch.qos.logback	NVD CVE-2024-12798	Unassigned	OSS Index (P)	28 Aug 2025	-	-
logback-core	1.4.5	ch.qos.logback	NVD CVE-2024-12801	Unassigned	OSS Index (P)	28 Aug 2025	-	-
snakeyaml	1.33	org.yaml	NVD CVE-2022-1471	Critical	OSS Index (P)	28 Aug 2025	-	-
jackson-core	2.14.1	com.fasterxml.jackson.core	NVD CVE-2025-52999	Unassigned	OSS Index (P)	28 Aug 2025	-	-

DevOps Function

Static Code Analysis



Features

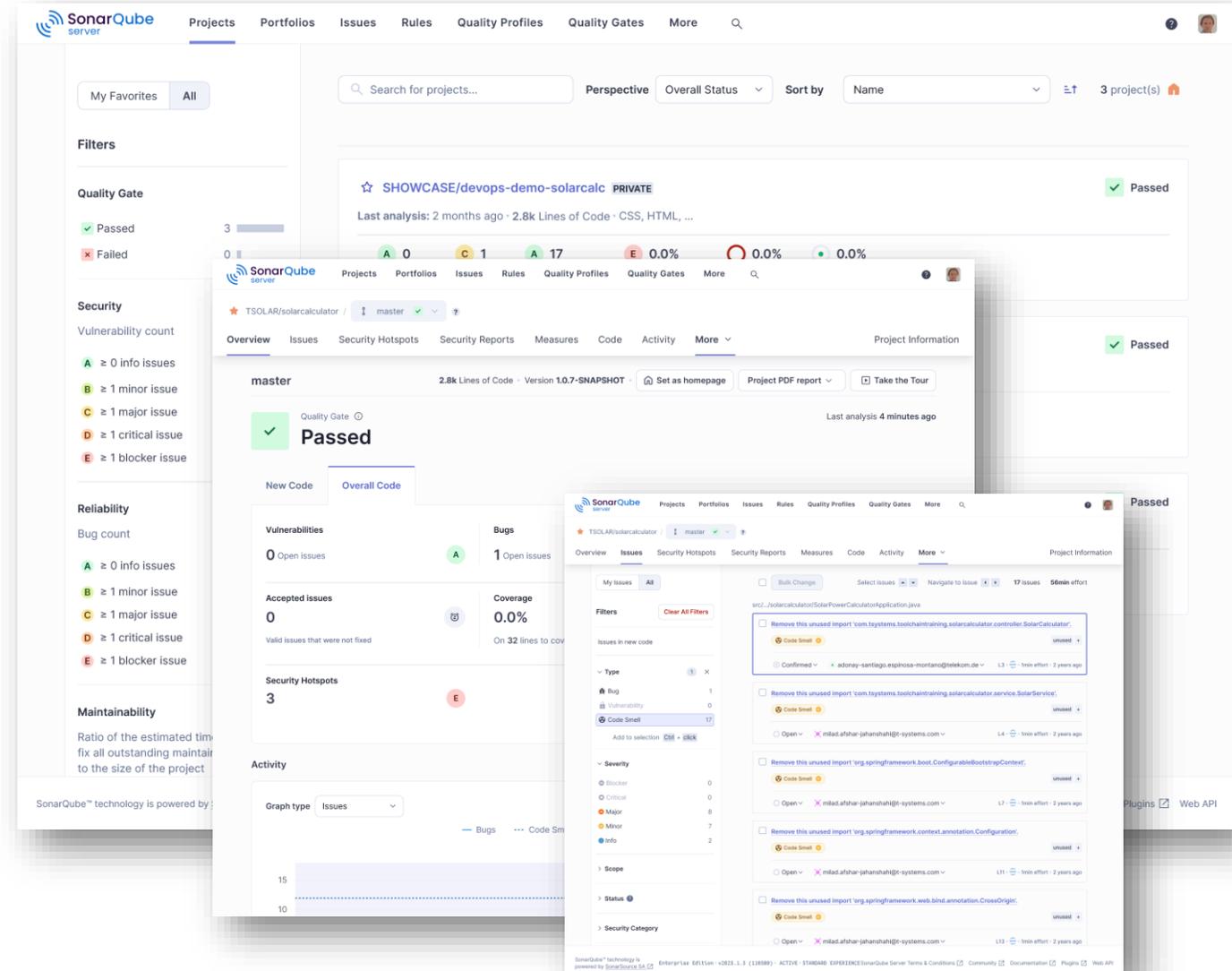
- Bugs and Vulnerability scanning

Toolchain Integration

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

Links

- [Vendor Page](#)
- [Documentation at DevOps-as-a-Service](#)



The screenshot displays the SonarQube web interface for a project named 'SHOWCASE/devops-demo-solarcalc'. The overall status is 'Passed'. The interface shows various metrics and filters:

- Quality Gate:** Passed
- Security:** Vulnerability count: 0 info issues, 1 minor issue, 1 major issue, 1 critical issue, 1 blocker issue.
- Reliability:** Bug count: 0 info issues, 1 minor issue, 1 major issue, 1 critical issue, 1 blocker issue.
- Maintainability:** Ratio of the estimated time to fix all outstanding maintainability issues to the size of the project.
- Issues:** 0 Open issues, 1 Open issue (Vulnerability).
- Accepted issues:** 0 (Valid issues that were not fixed).
- Security Hotspots:** 3 (E).
- Activity:** Graph type: Issues. Bugs: 1, Code Smell: 17.

The interface also shows a list of issues with details such as type (Bug, Vulnerability, Code Smell), severity (Blocker, Critical, Major, Minor, Info), and scope.

DevOps Function

Collaboration & Documentation



Features

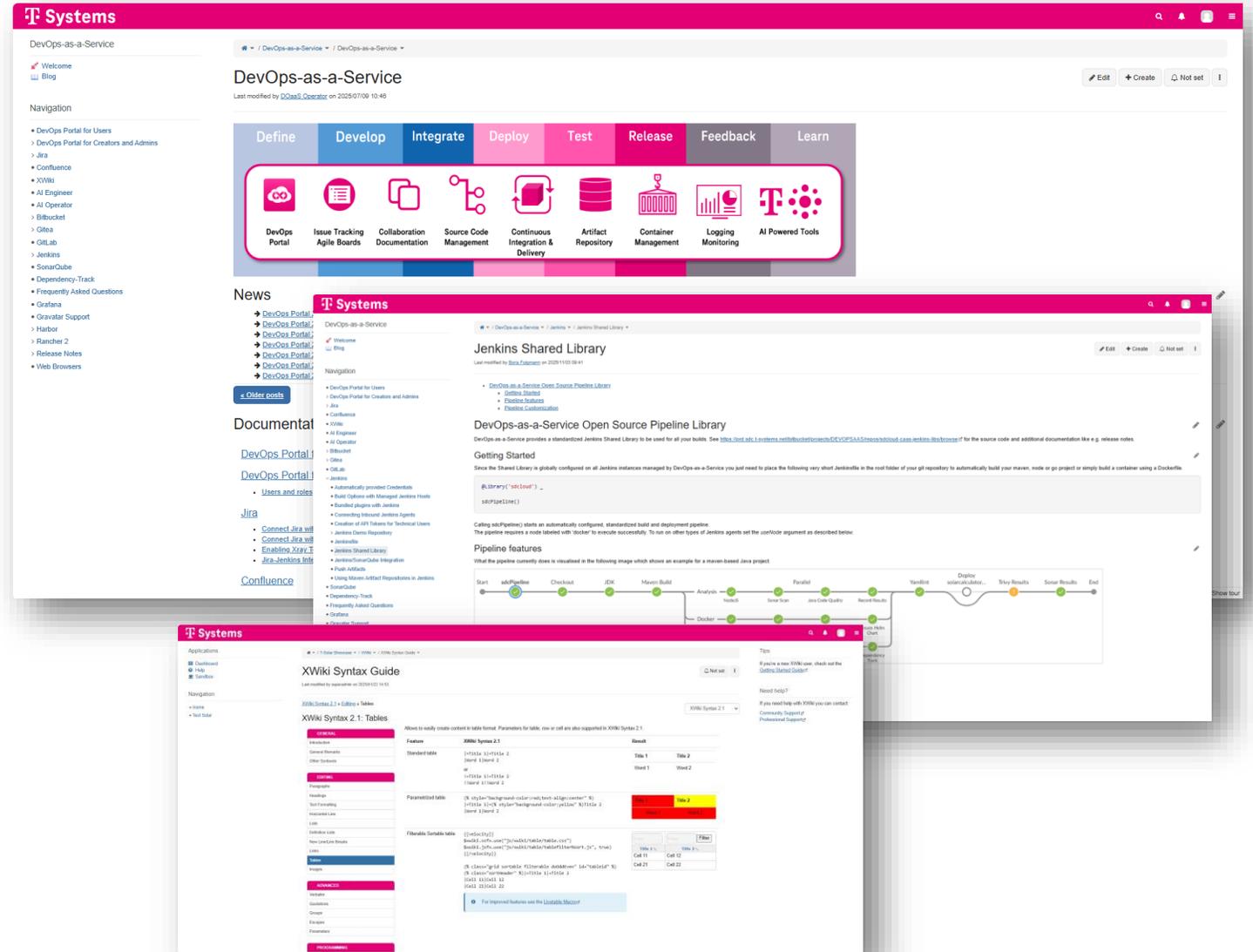
- Collaborative Content Editing
- Advanced Page & Document Management
- Powerful Search & Navigation
- Macros & Widgets
- Attach images and files

Toolchain Integration

- Centralized authentication and role-based access control

Links

- [Vendor Page](#)
- [Documentation at DevOps-as-a-Service](#)



The screenshot displays the T-Systems DevOps-as-a-Service portal. At the top, there's a navigation bar with 'Systems' and user options. Below it, a 'DevOps-as-a-Service' section features a horizontal menu with icons for Define, Develop, Integrate, Deploy, Test, Release, Feedback, and Learn. A central banner highlights key toolchain components: DevOps Portal, Issue Tracking Agile Boards, Collaboration Documentation, Source Code Management, Continuous Integration & Delivery, Artifact Repository, Container Management, Logging Monitoring, and AI Powered Tools.

The main content area is divided into 'News' and 'Documentation'. The 'Documentation' section includes a 'Getting Started' guide and a 'Pipeline features' diagram. The pipeline diagram shows a sequence of steps: Start, sdpPipeline, Checkout, JDK, Maven Build, Analysis, Parallel, Docker, Deploy, Verify, Test Results, and End. Below this, there's a 'XWiki Syntax Guide' section with a table of features and parameters.

Feature	XWiki Syntax 2.1	Remark
Standard table	{table} ... {/table}	Table 1, Table 2, Table 3
Parameterized table	{table} ... {/table}	Table 1, Table 2, Table 3
Filterable sortable table	{table} ... {/table}	Table 1, Table 2, Table 3