

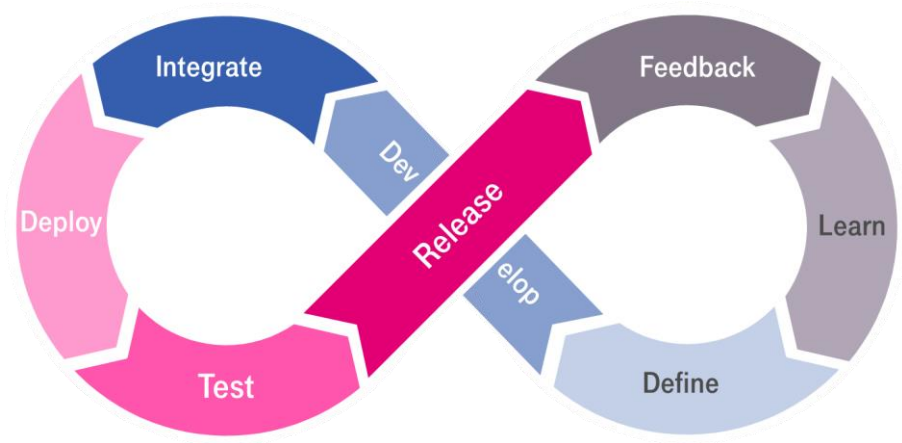


DevOps-as-a-Service

Product Information | October 2024

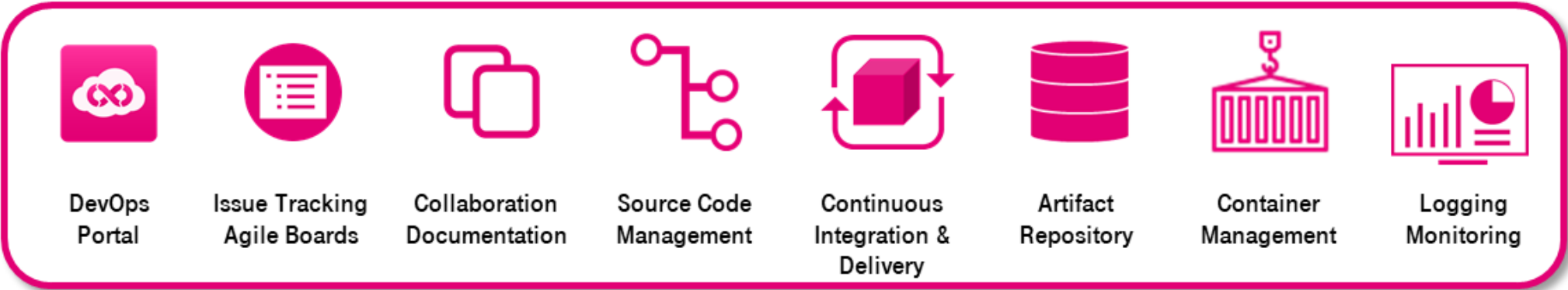
T · Systems · Let's power
higher performance

General Information



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

- KUBERNETES
BASED
- ATLASSIAN OR
OPEN SOURCE
PACKAGES
- ORDER YOUR
OWN
COMBINATION



DevOps-as-a-Service - Features

Popular Tools

- Offered in different variants
- Tools for all stages of the DevOps cycle
- Powerful DevOps Portal
- Integrated and automatically provisioned

Cloud Service

- Systems and tools operated by TSI
- Developer simply uses tools
- One-stop toolchain
- Tool lifecycle management
- New toolchain within minutes

Approach

- Kubernetes-based
- Helm-based Tools/Update Deployment
- Rancher for container orchestration
- Target platform independent

Data Security

- Any tenant has its own tools
- Virtual private cloud
- Dedicated VMs
- Infrastructure for tools in OTC

Flexibility

- Even for small teams
- T-Shirt sizes
- Seat based billing
- No investments for infrastructure
- Pay-as-you-go



DevOps
Portal



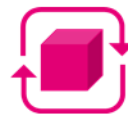
Issue Tracking
Agile Boards



Collaboration
Documentation



Source Code
Management



Continuous
Integration &
Delivery



Artifact
Repository

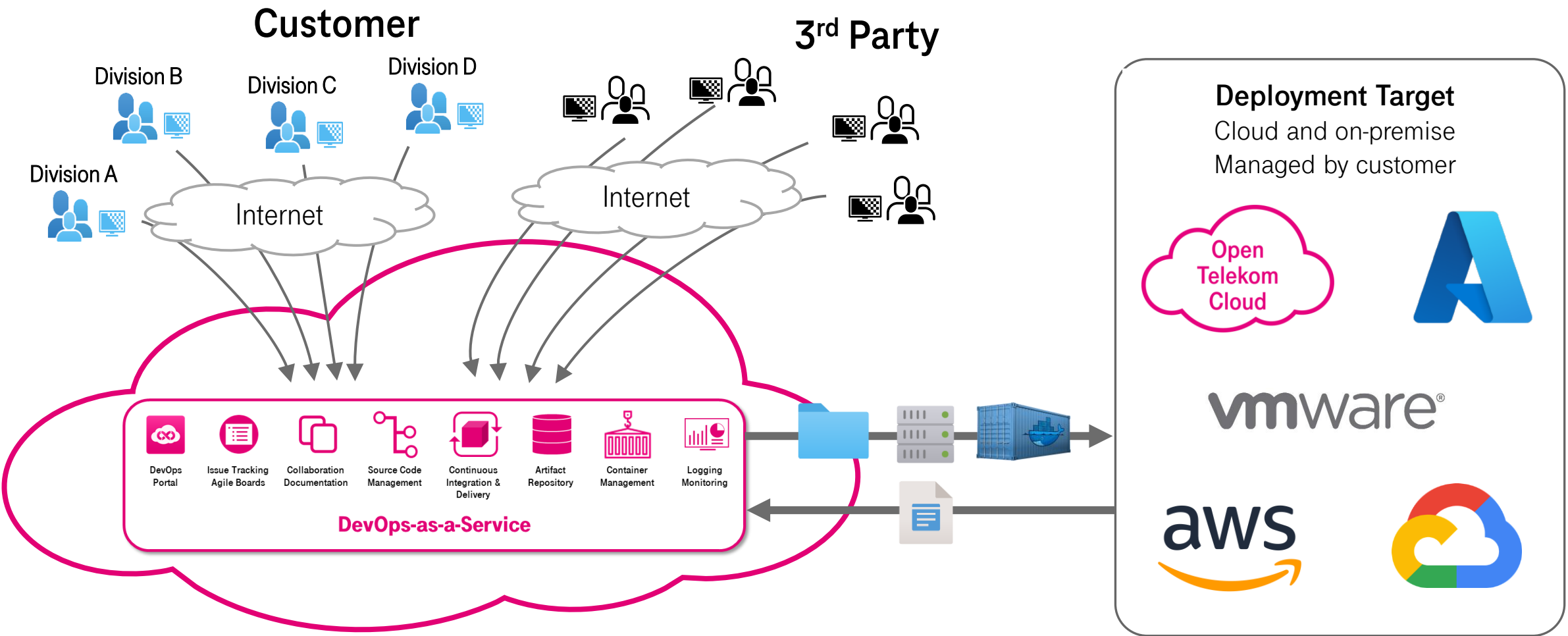


Container
Management



Logging
Monitoring

Collaborative work with the Toolchain



DevOps Portal

Projects

Displayed: 3/10 | Remaining: 6

+ Create Project

dev

Project Key ^	Name	Type	Status	Created	Tools	Members	My Role
SDCLOUD	SoftwareDevCloud	PRIVATE	ACTIVE	2019-08-26 13:14	Jira, Confluence, Bitbucket, Jenkins, Nexus, Rancher	1	<div>More ... ▼</div>
SHOWCASE	DevOps Showcase	PRIVATE	ACTIVE	2019-03-01 09:26	Jira, Confluence, Bitbucket, Jenkins, Nexus, Rancher	19	<div>View</div> <div>Edit</div>
TRAINING	Demos for DevOps and PaaS Training	PRIVATE	ACTIVE	2021-04-07 11:0	T · Systems ·		

Users

Displayed: 4/38 | JIRA 34 in use / 12 remaining | SERVICEMGMT 0 in use / 0 remaining | CONFLUENCE 35 in use / 13 remaining | BITBUCKET 33 in use / 6 remaining | JENKINS 35 in use / 2462 remaining | NEXUS 34 in use / 2442 remaining | RANCHER 34 in use / 2464 remaining

+ Create User

t-online

Last Name ^	First Name	Email	Organization	Global Role	Projects	Tools	Status	Created	
Folgmann	Boris	bf-otc@t-online.de	T-Systems	USER	2	__x__x__x	ACTIVE	2020-07-01 09:39	More ... ▼
Mustermann	Max	devops-user01@t-online.de	FutureScope	USER	1	__x__	ACTIVE	2021-12-16 11:50	More ... ▼
user01	doaas-demo	doaas-demo-user01@t-online.de	FutureScope	USER	2	x_x__	ACTIVE	2021-07-20 13:37	View Edit
user02	doaas-demo	doaas-demo-user02@t-online.de	FutureScope	USER	1	__x__	ACTIVE	2021-07-20 13:43	Lock Unlock Delete Reinvite Activate

- Manage all your Projects, Users and Roles in one place
- Automatically auto-provisions all tools
- Sophisticated license management
- SSO for all tools
- Optional 2FA

Extend to Modular Approach



Atlassian Toolchain with Jenkins

Key Facts

- New infrastructure based on **OTC** and **Kubernetes** → orchestrated by **Rancher 2**
- Brand new toolchain alternatives:
 - **Atlassian Toolchain with Jenkins**
 - **Atlassian Toolchain with Gitlab**
 - **Competitive Toolchain with Jenkins**
- Customer decides: **Atlassian** or **Open-Source**
- highest flexibility for small and large DevOps-Teams
- Increased high availability
- Best-of-breed Tools in ready-to-use packages
- Package sizes from 10 to 10000 users



DevOps
Portal



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Agile Boards



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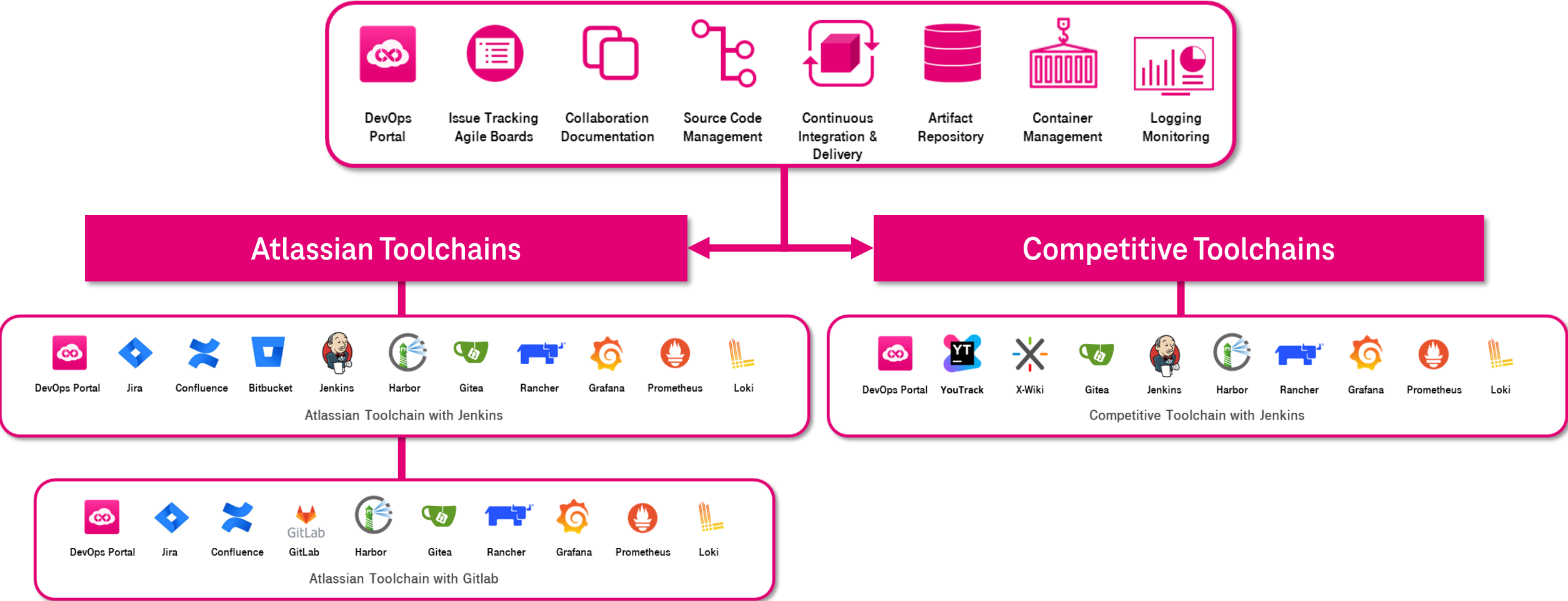
Container
Management



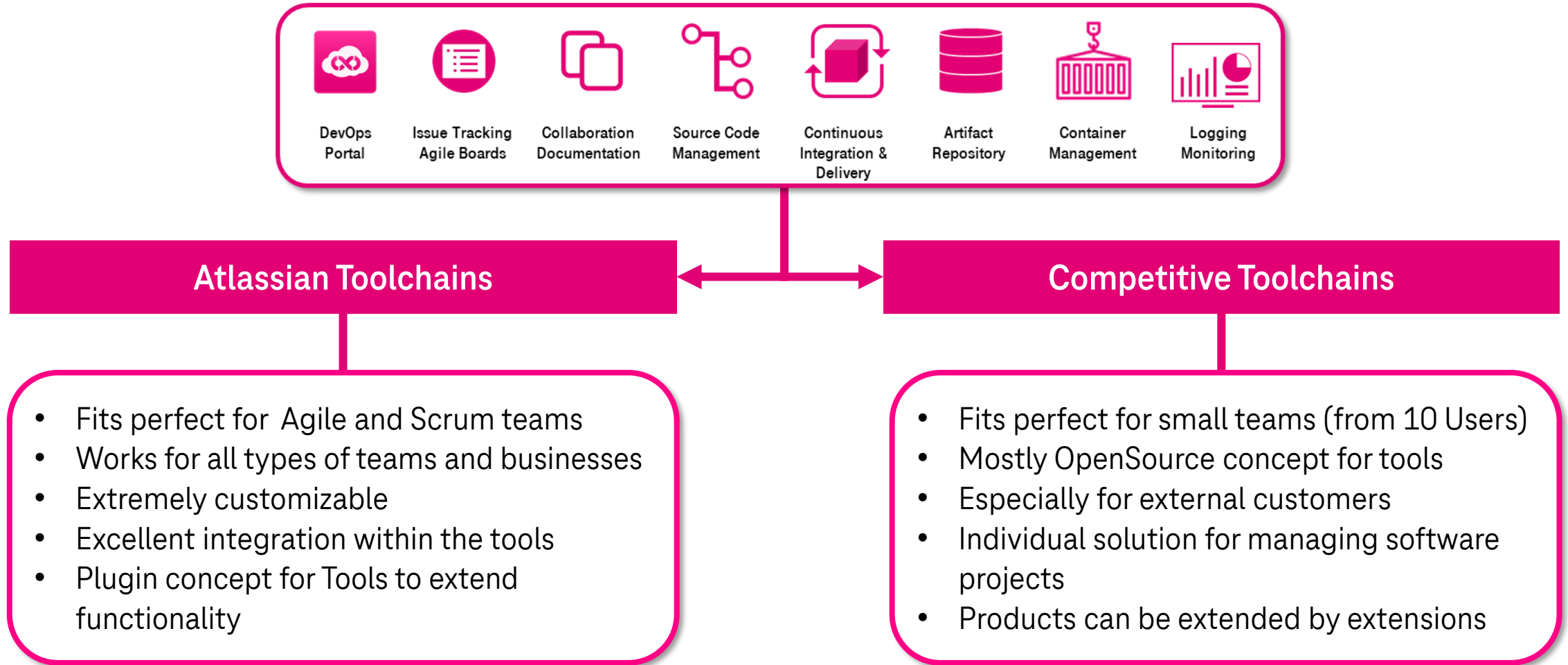
Logging
Monitoring

DevOps-as-a-Service

Toolchain Alternatives



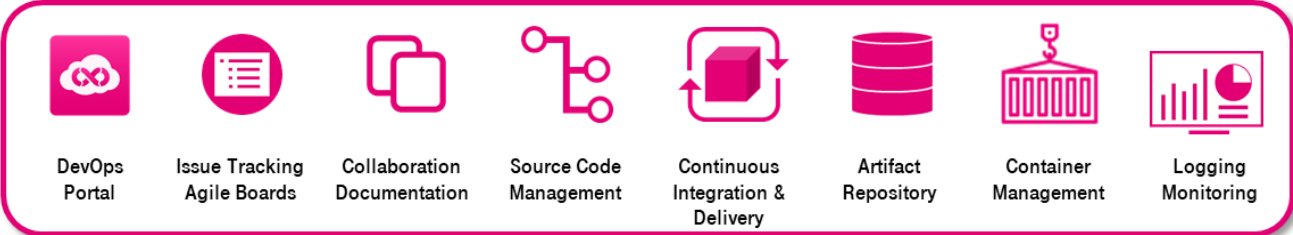
Toolchain Mapping



On request Telekom offers also bigger user packages.

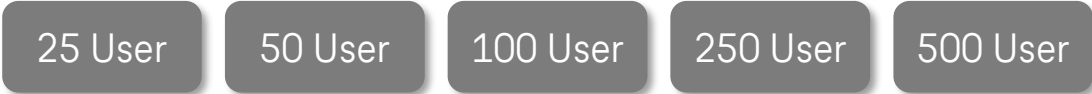
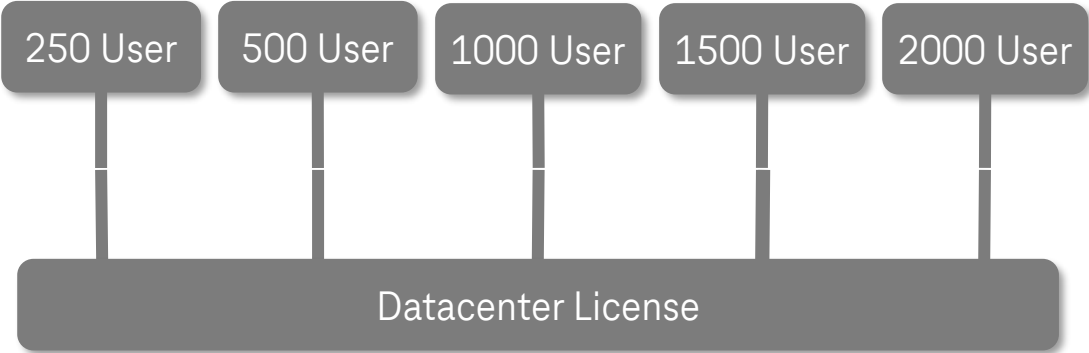
License Packages

Reduced prices
for external
customers due
to BYOL



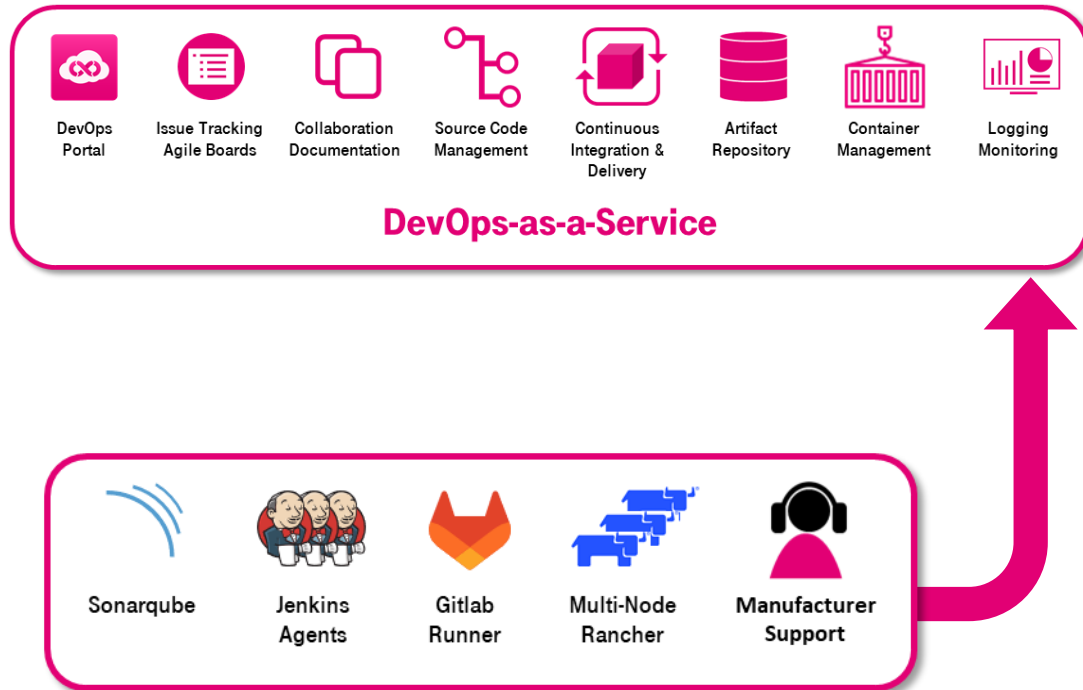
Atlassian Toolchains

Competitive Toolchains



“Bring your own license” prices on request.
On request Telekom offers also bigger user packages.

Add-Ons

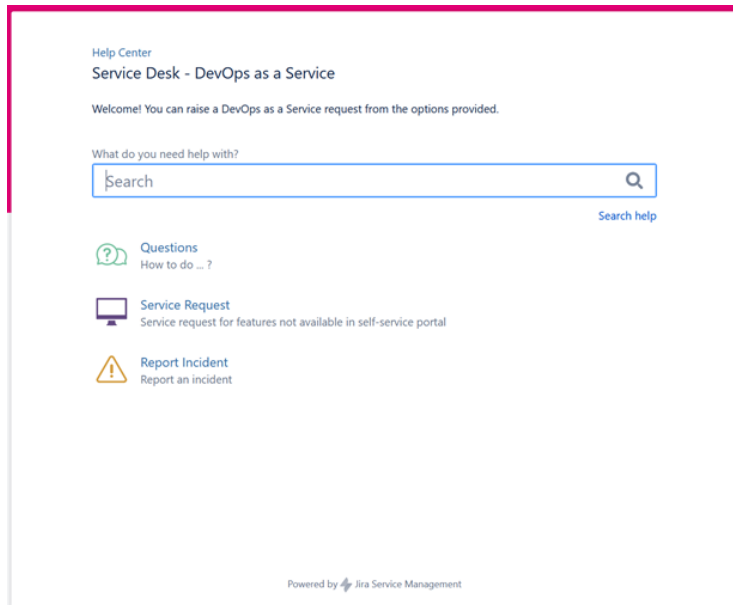


As extensions for existing functionalities

- SonarQube (Community, Developer, Enterprise)
- Jenkins-Agents
- Gitlab-Runner
- Multi-node Rancher for highest availability
- Kubernetes-Downstream-Cluster hosted and ready to use
- Additional Manufacturer Support for Tools:
 - Gitlab
 - X-Wiki
 - Rancher

Must be ordered additionally

Operations & Support



- Operations
 - Operated by experienced teams in Romania and Germany
 - 24h Operating Time for the Customer
 - Environments are OTC based and compliant with EU Data-Security laws
 - Constantly maintained tool versions
 - Weekly recurring maintenance windows for Tools and Environments
- Support
 - Support Center in Romania (dedicated team)
 - Additional support from Germany available
 - Attended Operations Time 08-18 CET, excl. German public holidays
 - Available for questions, service requests, incidents
- Communication
 - via Jira Service Management (preferred, because automatic & structured)
 - Email (devops@t-systems.com)
 - Phone (+49-69-973179-9115)

Training Offerings

Toolchain Intro

2h virtual with live demo

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

DevOps Training

3 days on-site or virtual

- Understanding DevOps and the DevOps principles
- Covers all DevOps elements and phases
- Agile, Scrum, Lean, Continuous Delivery, Culture, Architecture, Cloud ...

DevOps Tools Training

3 days on-site or virtual

- DevOps Portal
- Issue Tracking & Agile Boards (Jira, Agile, Backlog, Confluence)
- Git (Branching, Bitbucket) & Delivery Pipelines (Jenkins)
- Container Management (Kubernetes, Rancher, Container Images, Helm Charts)

New in
2023!

Consulting Offerings

Migration Support

- Moving in ...
- Data migration from old to new tools
- Questions and answering

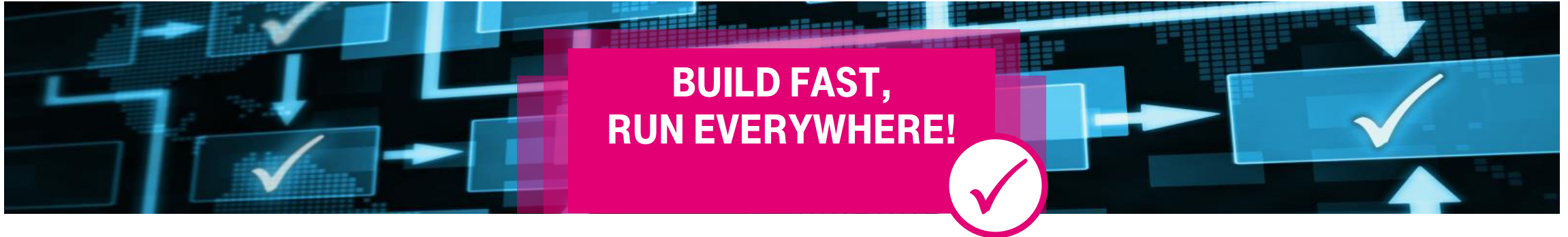
Integration Support

- Discussion and solution of 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 Multi-Cloud Consultant / Architect
- Get the best out of DevOps-as-a-Service
- Transform your software to cloud native

Customer Benefits



INTEGRATED CLOUD SERVICE

- Coverage of the whole DevOps cycle
- Worldwide 24/7 accessible
- Scalable & modern architecture

INNOVATIVE TOOLS

- Popular & Open Source tools with plugins
- No vendor lock-in
- Customized Deployment

MANAGEMENT & COACHING

- Central user management
- Administration using DevOps Portal
- Coaching & Training (agile framework)

CLOUD-AGNOSTIC

- Fast provisioning
- Usage of any target environment
- Container-based apps for any cloud

SECURITY

- Logically dedicated tool environment
- Cloud in DC of T-Systems
- Hosted in Germany

NO EXPENSE RISKS

- No investments for infrastructure
- Flexible user-based pricing model
- Pay as you grow

Thank you!