

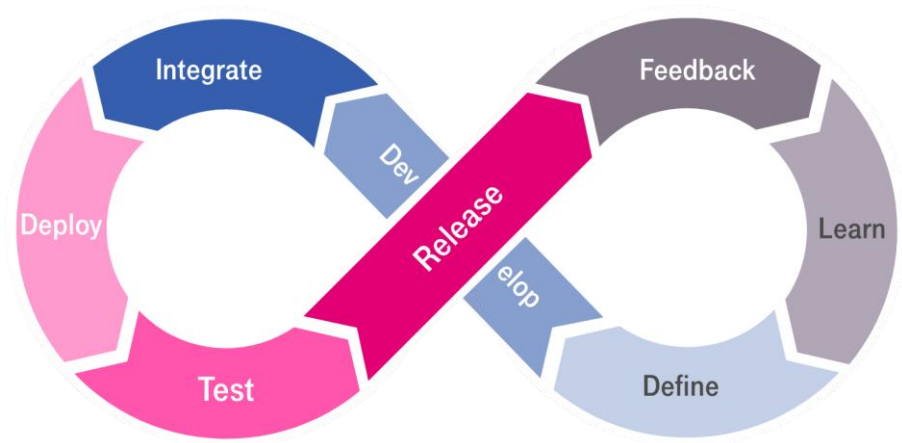


DevOps-as-a-Service

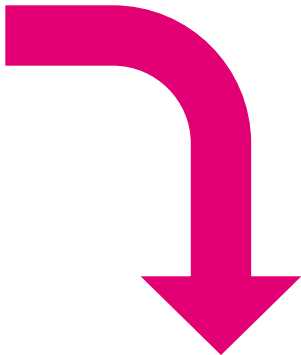
Product Information | October 2023

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 Portal

Issue Tracking Agile Boards

Collaboration Documentation

Source Code Management

Continuous Integration & Delivery

Artifact Repository

Container Management

Logging Monitoring

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



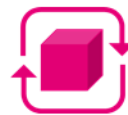
Issue Tracking
Agile Boards



Collaboration
Documentation



Source Code
Management



Continuous
Integration &
Delivery



Artifact
Repository

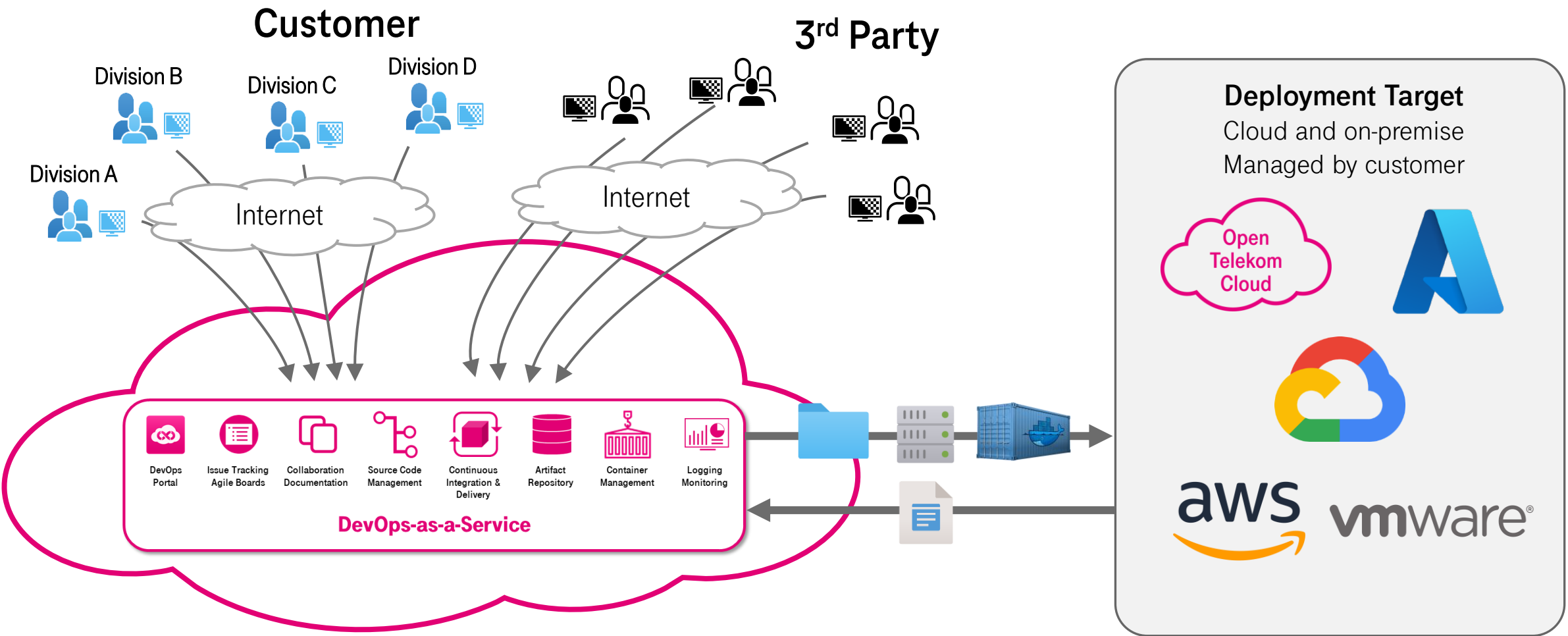


Container
Management



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

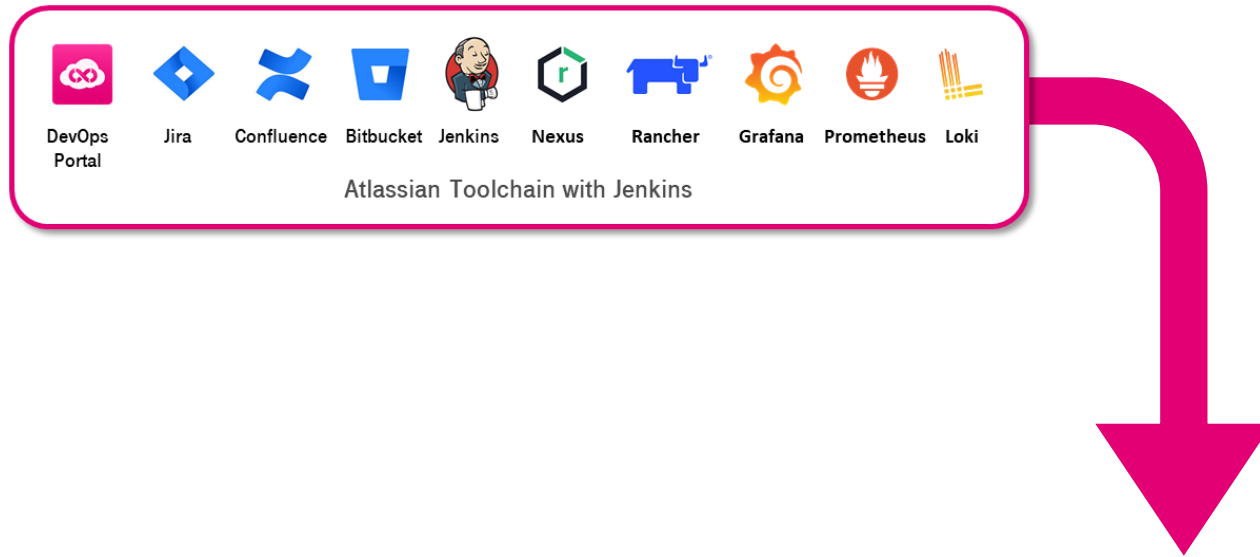
+ Create User

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_____	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

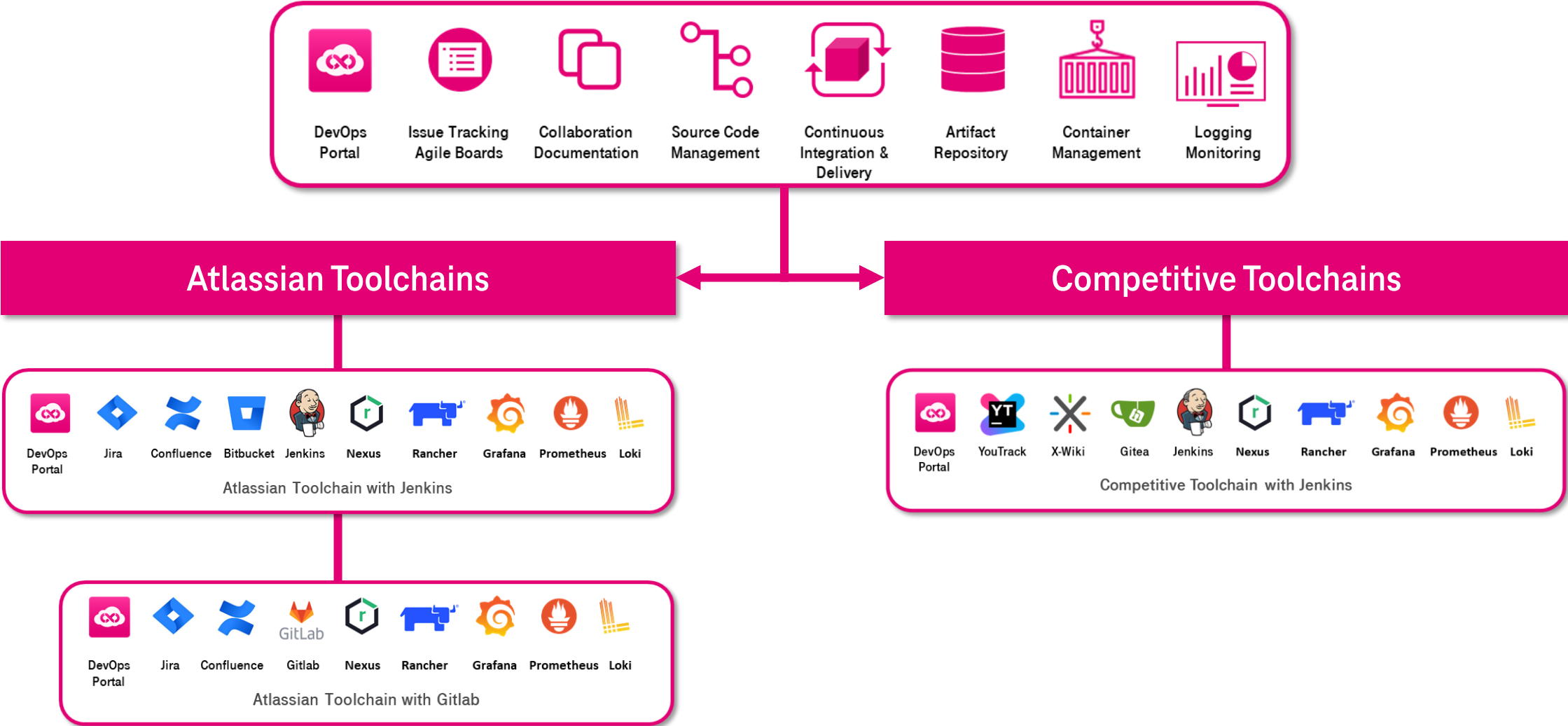
Extend to Modular Approach



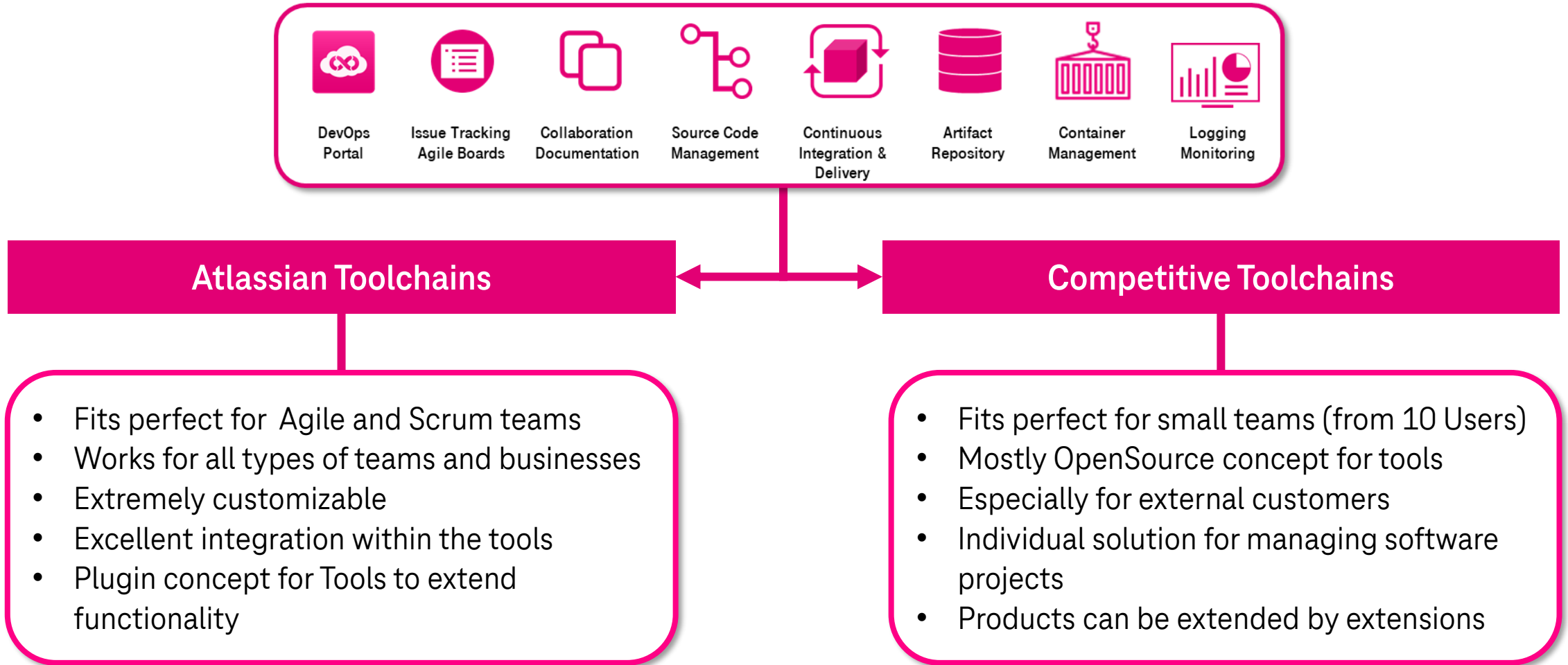
Key Facts

- 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

Toolchain Alternatives

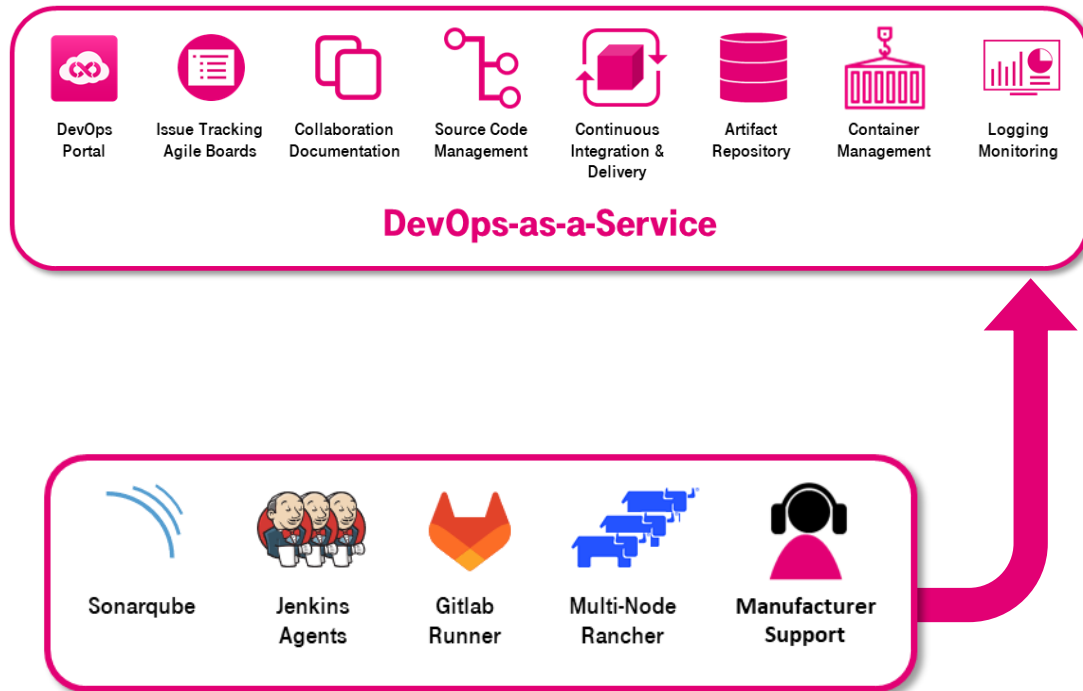


Toolchain Mapping



On request Telekom offers also bigger user packages.

Add-Ons

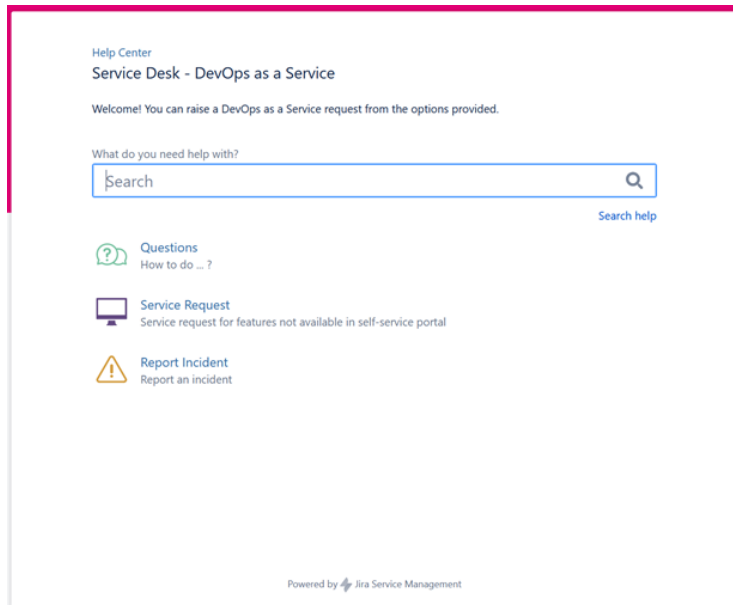


As extensions for existing functionalities

- 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
 - Rancher2

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

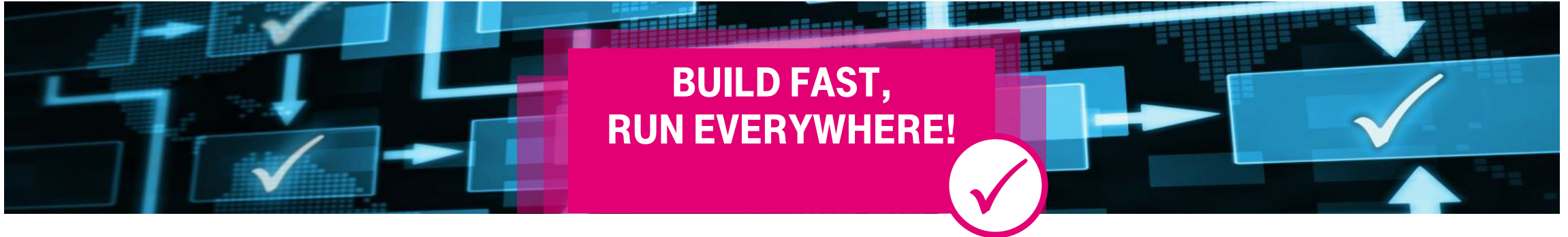
Integration Support

- 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!