Telekom Data Science Platform

Enable your data science teams with a cloud-native managed platform for end-to-end machine learning at an enterprise security level. Be sovereign and free to move to any cloud provider - anytime.
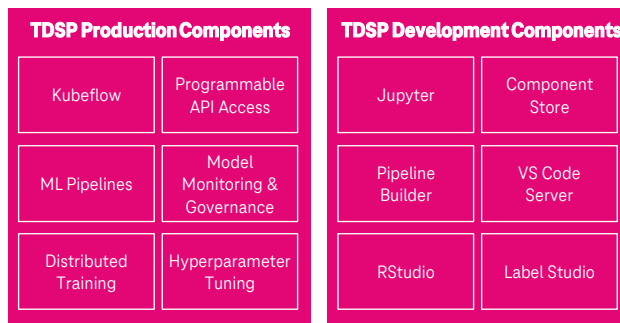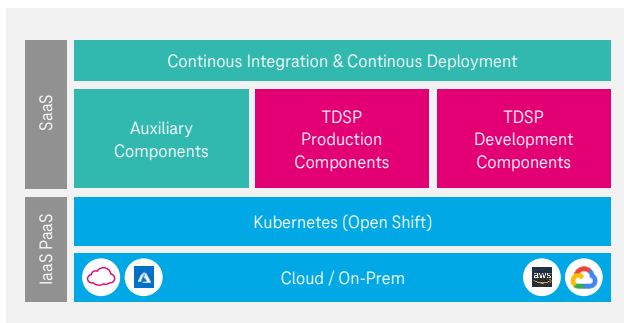
With the Telekom Data Science Platform, T-Systems offers an end-to-end platform for delivering your machine learning stack from the cloud. Eliminate the cost and complexity of traditional local developments. By moving development and production to the cloud, you benefit with a faster development and deployment time. The Telekom Data Science Platform thus enables a secure path for cloud transformation for teams of data scientists and data-driven businesses.

With the Telekom Data Science Platform (TDSP), businesses can completely equip their data science teams, no matter their location or device, enabling fast and direct development of AI project in a cloud-native environment. Bring your AI projects into production in no time at highest security standard and managed operations from within the EU.

As development of AI models remains to be a complex and challenging task for data scientists, it is an additional burden to bring the development and production into the cloud. Additionally, top-notch technical requirements blend with critical requirements for security, which doesn't make the choice of the platform an easy one. The TDSP aims to answer both challenges and deliver a security-hardened solution built up from most relevant opensource developments in the field.

Development Components

- Use your web-browser to instantly access the complete development suite in the cloud
- Work in shareable user-isolated cloud environments
- Enjoy a seamless integration of label studio and state-of-the- art AI/ML development environments
- Combine with auxiliary components and services such as DevOps CI/CD tools and database

SaaS	Continous Integration & Continous Deployment		
	Auxiliary Components	TDSP Production Components	TDSP Development Components
IaaS PaaS	Kubernetes (Open Shift)		
	Cloud / On-Prem		

TDSP Production Components	
Kubeflow	Programmable API Access
ML Pipelines	Model Monitoring & Governance
Distributed Training	Hyperparameter Tuning

TDSP Development Components	
Jupyter	Component Store
Pipeline Builder	VS Code Server
RStudio	Label Studio

👍 Some of the benefits of the TDSP are:

- Managed Service with T-Systems support
- Newest community-driven AI & ML features
- Audited for enterprise security compliance
- No vendor lock-in – possibility to migrate to any cloud provider anytime
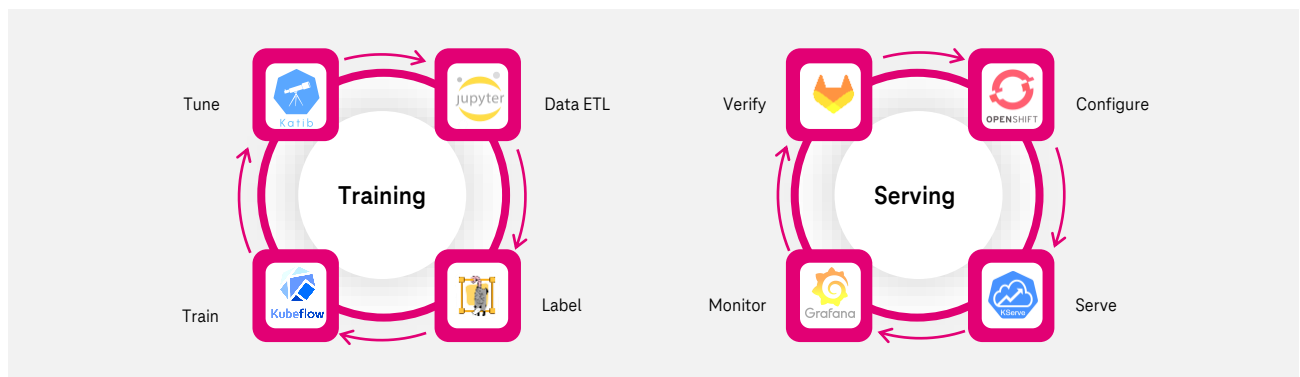
Production Components

- Accelerate model training and hyperparameter tuning using distributed cloud resources
- Make use of serverless model-serving with scale-to-zero autoscaling at enterprise security level
- Monitor the performance of your models and get alerts in case of unexpected behavior
- Integrate TDSP models in your business processes via programmable APIs

·T· Systems

Let's power
higher performance

Auxiliary Components

Accelerate model training and hyperparameter tuning Make use of additional components integrating with the TDSP, such as Databases and DevOps tools.

Telekom Data Science Platform ▶

When to use?	Enterprise solution for data science development in a non-shared environment with enterprise support Can be used in development process for data science teams or for model serving in production environment
What is included?	• Managed service with office time support • Deployment on any Kubernetes-based PaaS system or together with T-Systems' PaaS offerings (e.g., Managed Container Stack Open Shift) • Support for multiple parallel releases • EU-based helpdesk • Patch and release management • Platform/Technology included are Kubeflow, Katib (AutoML), Kserve, KF Pipelines, Grafana, JupyterLab, Rstudio, VS Code Server, Label Studio, Spark
How much does it cost?	Starting at € 2,100 per month per user

Information & Conditions

• Optional services available are Onboarding, Consulting (MLOps, DevOps, Security, AI/ML), Integration with your IAM and processes, Setting up of auxiliary services

• All prices are exclusive of VAT and any travel expenses and will be charged as applicable. This document is for information purposes only and does not constitute a binding offer.

• Minimum contact term of 3 months

·T··Systems·

Let's power
higher performance