



T-Systems International – GWDG – Onedata







https://tinyurl.com/y23gskwj





INNOVATE, PERFORM AND SUSTAIN

T-Systems Team of Experts



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Research Data and Preservation Expert, GWDG



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Distributed Data Expert, Onedata

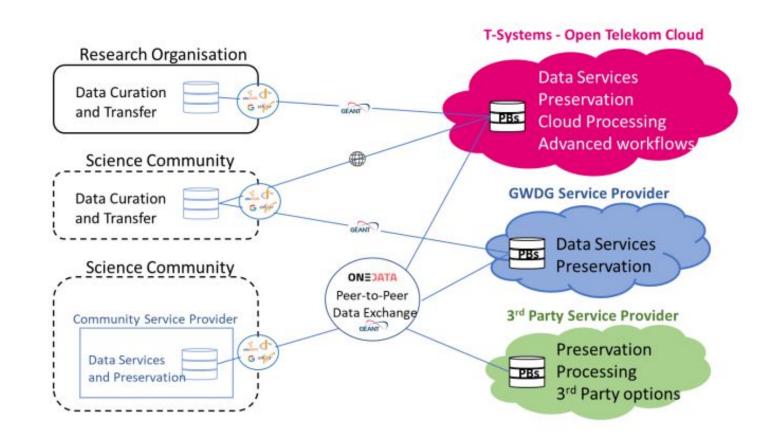


Prof. Dr. Ramin Yahyapour

Research Data and IT Expert, GWDG

DESIGN: OPEN-SOURCE AND CLOUD-AGNOSTIC

- Modern data access and management platform allowing automated push/pull ingestion from legacy data sources
- Creation of arbitrary size standards compliant archive-packages in cost- and energy-effective manner
- Highly scalable and flexible metadata extraction framework
- Flexible setup and control of archiving pipelines with BPMN workflows
- Fully open-source and deployable on Kubernetes



BPMN = Business Process Model and Notation Standard









PROTOTYPE FOCUS

Functionality	Prototype Phase	Pilot Phase
Sustainability	v	V
Sustainability	X	X
Hybrid Deployments	X	X
Data redundancy	X	X
Data-at-rest encryption	Χ	X
Data immutability	X	X
Extended KPI monitoring	X	Χ
CTS/ISO certification	Preparation	Χ
Intelligent caching		X
Cloud UI integration		X



The proof of the pudding is in the eating!









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平... **OPEN TELEKOM CLOUD** Service List + Favorites + Homepage All Services My Favorites Computing v Storage v Elastic Cloud Server (10) Elastic Volume Service (12) Elastic, scalable computing servers Elastic, scalable block storage Bare Metal Server (0) Cloud Server Backup Service (1) Provides dedicated physical servers for tenants Secure, reliable cloud server backup Image Management Service (2) Storage Disaster Recovery Service (0) Self-service image management Storage disaster recovery service Cloud Container Engine (0) Volume Backup Service (1) container service that features high availability and Secure, reliable block storage backup etastic scalability Object Storage Service Auto Scaling (0) Scalable cloud storage Dynamically adjusts computing resources

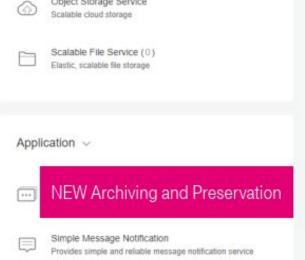


Relational Database Service (0)

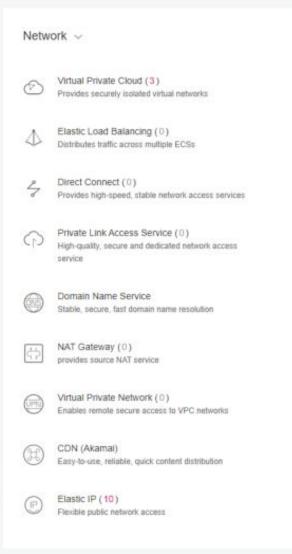
Distributed Cache Service (0)

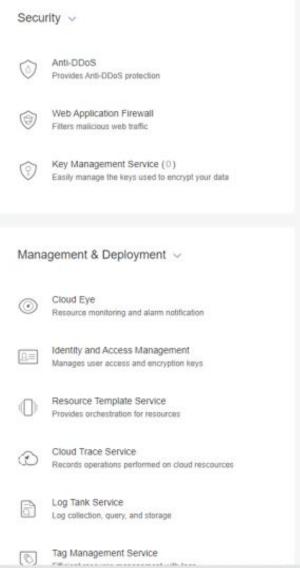
Highly reliable relational database service

Provides secure, convenient, and high-speed cache



Software Repository for Container (0)





Enter a service or function name.

Database v

service

COMMERCIALISATION AND SUSTAINABILITY

Freemium service

- Support **EOSC**
- Long-tail of science
- Quick uptake
- Premium service
 - Advanced and customized solutions
- Collaborate model
 - On-premise services
 - 3rd party service providers
 - Collaboration with GAIA-X
 - Continuous innovation and sustainability of toolsets



The Deutsche Telekom Group-wide program "We care for our planet" objective is to help the company achieve its climate targets: 100% green energy by 2021, 90% emission reductions by 2030, carbon-neutral by 2050.









THANK YOU



LIFE IS FOR SHARING.