



Cluster 2 - eInfrastruktur

im Cluster-Koordinatoren-Karussell

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Querschnittsaufgaben und Methoden

Cluster 2 – eInfrastruktur

stellt Technologie zur Verfügung,

- auf deren Basis Forschungsdaten und Werkzeuge im wissenschaftlichen Prozess verknüpft und kollaborativ genutzt werden können,
- die die Weiterentwicklung von fachwissenschaftlichen Diensten unterstützt und
- die die Vertrauenswürdigkeit und Langfristigkeit von Forschungsdaten garantiert.

Technische Infrastruktur

Fragestellungen in Cluster 2 – eInfrastruktur:

- Wie lässt sich der Dialog zwischen wissenschaftlicher Fragestellung und technischer Machbarkeit organisieren?
- Wie können höherwertige geisteswissenschaftliche Dienste auf welche generischen Services aufgebaut werden?
- Welche Eigenschaften braucht ein Speicherbackend (DARIAH-Storage API), um in einem komplexen Workflow, wie dem DARIAH-Repository und Publikationsservice, nutzbar zu werden?
- Wie kann bei einer Replikation auf Objektebene (iRODS) eine Replikation der Services erfolgen?

eInfrastruktur Services



Collaboration Tools

To support collaborative and joint working on text, data and other research artifacts both in realtime as well as asynchronously, we offer the following services, which are deeply integrated into the overall DARIAH-DE infrastructure:

- Wiki System
- Collaborative Text Editor
- Cloud Share



Consulting

Our professional partners have a deep expertise and competence in IT and are here to consult DH scholars regarding:

- Quality Assurance
- Security
- Databases



Support

The DARIAH-DE Helpdesk offers help in case you need some. Our supporters answer your questions competently, but the real strength of support is the community itself. The supporters connect you with the community's power users to find the right solution to your problem.



Monitoring

The DARIAH-DE infrastructure and service monitoring is a system based on well-known building blocks. It integrates the existing monitoring systems of the different participating computing centres. This ensures the constant availability and reliability of the DARIAH-DE services.



Persistent Identifiers

The DARIAH-DE community uses Persistent Identifiers (PIDs) in different contexts, from data citation to referencing digital objects in long term archiving systems of the data centers. The PID Resolution has a high degree of robustness and reliability in the long term.



Developer Tools

The goal of our developer portal is to support software development within the DARIAH-DE community. This is done by:

- Making software development tools available.
- Helping collaboration in distributed teams and between the different actors in software development (developers, researchers, librarians, etc.).
- Improving software quality with guidelines and services of the DARIAH-DE infrastructure.



Authentication Authorization

The DARIAH-DE AAI (Authentication and Authorization Infrastructure) enables all our users to use one account for all our services. Even better – you can use the account you already have at your organization, if your institution provides a Shibboleth IdP (Identity Provider).

We are also here to help you integrate our AAI solution into your tool or service.



Storage

The DARIAH-DE Storage Service provides a “low-barrier” entrance for new scientific disciplines and infrastructure providers to build-up scientific data networks. We offer

- Synchronizing and Sharing Data
- Long Term Archiving, Bit Preservation
- Repositories



Hosting Environment

DARIAH-DE offers both Virtual Machine Hosting as well as Assisted Hosting:

- High-end resources (compute, storage, network)
- Basic system configuration provided (firewall, domain, security updates)
- Computer center services (monitoring, backup if needed)
- Integration with other DARIAH-DE services

Zugang zur eInfrastruktur

Der Service Lifecycle in DARIAH-DE

