

Activities of National Institute of Informatics in Repository Networks

National Institute of Informatics(NII)

Research Center for Open Science and Data Platform

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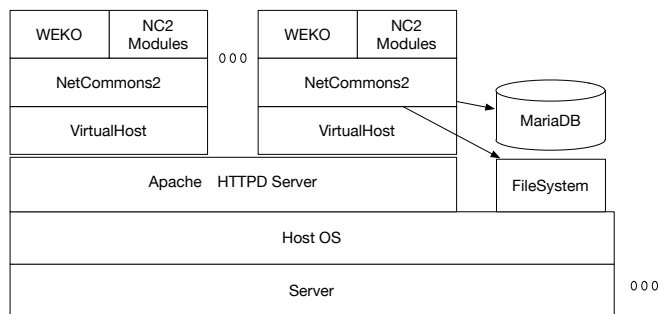
Current status of JAIRO Cloud

Shared repository service since 2012

Over 500 Japanese IR are running on JAIRO Cloud

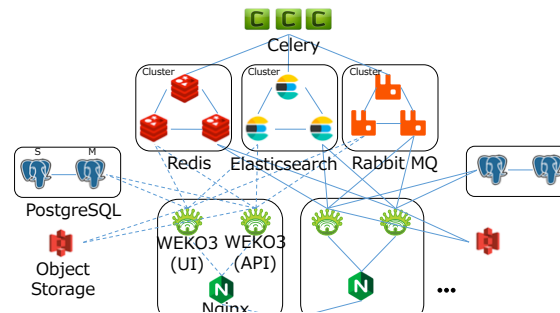
~ FY2019

Based on homemade repository software



FY2020 ~

Based on Invenio v3 based repository software



- ensure scalability and extendibility for data
- contribute to repository networks

next version of JAIRO Cloud will be launched from FY2020

Perspective of next version of JAIRO Cloud

- Target

- Institutional Repository for Japanese universities(main)
- Digital Archive for mainly Japanese universities
- Data Repository for Japanese research institution and community

- User

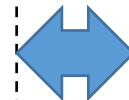
- "Librarian > Researcher" to "Librarian < Researchers"

Publication

Research Data Management



GakuNin RDM



Discovery

CiNii Research

Making a groundwork for Open Science

Development plan of next generation repository

- On September 4th 2018, NII and CERN signed a Memorandum of Understanding on Joint Development of Next Generation Repository System



Status for developing of NGR on Invenio

Status	Technologies	Invenio
Implemented by CERN	Etag	Invenio-REST...
	ORCID	Invenio-ORCID
	Sitemap	Flask-Sitemap
Implementing by CERN	IIIF (Image API)	Invenio-IIIF
	COUNTER	COUNTER-Robots Invenio-Stats
Planning by CERN	Signposting	
	SUSHI	
	WebSub	
implementing by NII	ResourceSync	Extend Flask-Sitemap
	SWORDv3	Next slide

Status of SWORDv3

- SWORD v3 specification: need to update from Release Candidate to final
- SWORDv3 prototype system is required
- Planning and Discussing for proceeding with SWORDv3 implementation work
 - University of Oxford
 - Cottage Labs Ltd
 - CERN
 - NII

We need to choose the best development plan with limited resources.

Status of collaboration with other countries

- Building and expanding our cooperative relationship with West and Central Africa, Myanmar, Malaysia...
- To expand the repository network
 - Providing a repository service for experimental use
 - Supporting to learn how to build their repository
 - Helping to deploy their repository network

We are helping to build the repository network
in other countries

Thank you