

# Glossary

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Terminology	Description
CAS	Central Authentication Service. It provides a login server for GakuNin RDM. <a href="https://www.apereo.org/projects/cas">https://www.apereo.org/projects/cas</a>
CD	Continuous Delivery. It stands for a continuous delivery.
Celery	It provides a task management function that retrieves and executes processing from RabbitMQ. <a href="http://www.celeryproject.org/">http://www.celeryproject.org/</a>
CI	Continuous Integration. It stands for a continuous integration.
CiNii Research	CiNii Research is a search infrastructure. <a href="http://cir.nii.ac.jp/">http://cir.nii.ac.jp/</a>
COS	Center for Open Science. The organization that developed the software, OSF, that formed the basis of GakuNin RDM.
DS	IdP search system within an authentication system. Discovery Service.
Elasticsearch	It provides a full-text search engine that records and searches user activities on GakuNin RDM.
Ember	It provides Web service functions within GakuNin RDM.
ePPN	eduPersonPrincipalName (ePPN). It is used as an identifier for GakuNin users in the authentication system on GakuNin RDM.
GakuNin (Shibboleth)	It is used in GakuNin RDM as an authentication system from academic institutions. <a href="https://www.gakunin.jp/">https://www.gakunin.jp/</a>
GakuNin RDM	Research data management service developed by the National Institute of Informatics (NII)
IaaS	Infrastructure as a Service
IdP	ID management system of an authentication system. Identity Provider.
JAIR Cloud	JAIR Cloud (WEKO3) is a public platform. <a href="https://jpcoar.repo.nii.ac.jp/page/42">https://jpcoar.repo.nii.ac.jp/page/42</a>
JupyterHub	Data processing workflow available via JupyterHub add-on on GakuNin RDM
mAP	Group management function of an authentication system. member Attribute Provider.
mAP Core	Group management function within GakuNin Cloud Gateway
MFR	Module File Renderer. It provides the function to render files stored in GakuNin RDM on web pages.
MongoDB	It provides a database for managing the contents edited by ShareJS.
NII	The National Institute of Informatics
NII storage	The standard storage area provided by the NII
OSF	Open Science Framework. The OSS on which GaKuNin RDM is based.
GRDM Admin	It provides management functions for GakuNin RDM.
GRDM API	It provides an API that handles the internal processing of GakuNin RDM such as handling users, projects, and files.
GRDM Web	It provides a Web UI that is the front end of GakuNin RDM.
OSS	Open-Source Software
PaaS	Platform as a Service
PostgreSQL	It is used as the main database of GakuNin RDM.
RabbitMQ	It provides a message queue for asynchronously executing the processing that occurs within GakuNin RDM. <a href="http://www.rabbitmq.com/">http://www.rabbitmq.com/</a>
RIMS	RIMS: Research Integrity Management System. It develops a framework that supports registration, storage, and publication of all research paper data.
SaaS	Software as a Service
ShareJS	It provides a co-editing function within a project's Wiki. <a href="https://github.com/share">https://github.com/share</a>

<b>SP</b>	It refers to the application (service) side of an authentication system. Service Provider.
<b>Unoconv</b>	Universal Office Converter. It provides the function to convert various uploaded documents to PDF so that they can be rendered via MFR.
<b>UPKI</b>	The digital certificate issuing service provided by NII. <a href="https://certs.nii.ac.jp/">https://certs.nii.ac.jp/</a>
<b>WaterButler</b>	It provides the file server function used by GakuNin RDM.
<b>WEKO</b>	A public infrastructure (institutional repository). <a href="http://weko.at.nii.ac.jp/">http://weko.at.nii.ac.jp/</a>
<b>Timestamp token</b>	TST (Time Stamp Token). A timestamp authority digitally signs a timestamp request.
<b>Timestamp request</b>	The hash value of the data is sent to a timestamp authority.
<b>Multi-cloud file manager</b>	A file manager that allows to manage files in multiple cloud storages at once.
<b>Extended storage</b>	You can use the storage area (cloud/on-premises) prepared for your institution on GakuNin RDM.
<b>GakuNin Technical Guide</b>	<a href="https://www.gakunin.jp/technical/">https://www.gakunin.jp/technical/</a>
<b>Management screen</b>	GakuNin RDM provides a management screen on which institutional users can partially restrict the functions of GakuNin RDM or use functions such as viewing usage statistics. You need to set this service separately from the standard service.
<b>Institutional storage</b>	The institution's system administrator designates one of the object-storage as the standard storage on campus. The storage is automatically mounted at the start of a project. The NII storage cannot be used together.
<b>Management function for institutional use</b>	It is a function for the institution's administrator to customize the RDM service within the organization.
<b>Research data sharing function</b>	It is a function to share data by authentication via GakuNin and group management.
<b>Research trail storage function</b>	It is a function to prove the existence of a file with a timestamp from a <b>Time Stamp Authority</b> . It detects data operations and content changes conducted outside of GakuNin RDM. It allows principal investigators and institutional managers to centrally manage research trails.
<b>Time Stamp Authority</b>	TSA (Time Stamp Authority).
<b>NII RDC</b>	Research data infrastructure provided by NII. NII Research Data Cloud.
<b>RDM</b>	Research data management. RDM stands for research data management.
<b>Bibliography management add-ons</b>	You can use the Mendeley/Zotero service from the add-ons function of GakuNin RDM.
<b>Project</b>	The largest unit in GakuNin RDM. It can be created in units of an experiment, a lab group, a paper, etc. <a href="https://help.osf.io/hc/en-us/articles/360019737594-Create-a-Project">https://help.osf.io/hc/en-us/articles/360019737594-Create-a-Project</a>
<b>Quota</b>	By setting the quota, you can limit the disk capacity for each user or group.
<b>Components</b>	Subprojects that can be created under a project. <a href="https://help.osf.io/hc/en-us/articles/360019737614-Create-Components">https://help.osf.io/hc/en-us/articles/360019737614-Create-Components</a>
<b>Private components</b>	Components of which you are not a contributor
<b>Project manager</b>	The administrator has the rights to read/write, manage contributors, delete and register projects. <a href="#">Adding Contributors</a>
<b>Mount</b>	It means to link an external service with GakuNin RDM. <a href="https://help.osf.io/hc/en-us/articles/360055351493-Add-ons">https://help.osf.io/hc/en-us/articles/360055351493-Add-ons</a>
<b>Checksum (MD5 / SHA2)</b>	It is a method to check whether the files are the same. For details of OSF's file backup, please refer here: <a href="https://help.osf.io/hc/en-us/articles/360019737894-FAQs#Backup-Preservation-Policy">https://help.osf.io/hc/en-us/articles/360019737894-FAQs#Backup-Preservation-Policy</a>
<b>Bibliographic status</b>	It can be set to show/hide when citing a project. It can be set from the contributor menu. <a href="https://help.osf.io/hc/en-us/articles/360019737774-Edit-Contributor-Permissions">https://help.osf.io/hc/en-us/articles/360019737774-Edit-Contributor-Permissions</a>
<b>Fork</b>	It means to create a copy of a project and its subordinate components. <a href="https://help.osf.io/hc/en-us/articles/360019737914-Fork-a-Project">https://help.osf.io/hc/en-us/articles/360019737914-Fork-a-Project</a>
<b>Link</b>	By linking projects, you can link related projects in the 'Components'. <a href="https://help.osf.io/hc/en-us/articles/360019930313-Link-to-a-Project">https://help.osf.io/hc/en-us/articles/360019930313-Link-to-a-Project</a>

<b>Access request</b>	Users who are not the contributors of a project can request a permission to view the project. <a href="https://help.osf.io/hc/en-us/sections/360003569234-Requesting-access">https://help.osf.io/hc/en-us/sections/360003569234-Requesting-access</a>
<b>Wiki</b>	A content management system provided as an application of GakuNin RDM. <a href="#">Wiki Settings</a> <a href="#">Editing a Wiki Page</a> <a href="#">Adding and Deleting a Wiki Page/Rename a Wiki Page</a> <a href="#">View Versions of Wiki Page</a> <a href="https://help.osf.io/hc/en-us/sections/360003569274-Wiki">https://help.osf.io/hc/en-us/sections/360003569274-Wiki</a>
<b>Comment</b>	From Settings > Commenting, you can configure commenting settings. <a href="https://help.osf.io/hc/en-us/articles/360019737434-Comment-on-a-Project">https://help.osf.io/hc/en-us/articles/360019737434-Comment-on-a-Project</a>
<b>E-mail notification</b>	From a user's 'Settings' page, each user can set an email notification to be notified of any actions. <a href="https://help.osf.io/hc/en-us/articles/360019738034-Add-a-New-Email-Address-to-Your-Account">https://help.osf.io/hc/en-us/articles/360019738034-Add-a-New-Email-Address-to-Your-Account</a>
<b>Redirect link</b>	From Settings > Redirect Link, you can set to redirect a visitor from a project page to an external web page. <a href="https://help.osf.io/hc/en-us/articles/360019737934-Add-a-Redirect-Link">https://help.osf.io/hc/en-us/articles/360019737934-Add-a-Redirect-Link</a>