



# Web Services for Preservation through CERN Departmental Record Officers (DROs)

Code	IT7684
Programme	FCT
Department	IT
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## Title

Web Services for Preservation through CERN Departmental Record Officers (DROs)

## Description

The associate will ensure the development, deployment and extensions of the CERN Digital Memory project aiming at the digital preservation of CERN patrimony. On top of the CERN Cloud Infrastructure, a prototype OAIS-compliant platform already exists and is built with the Archivematica and Invenio open-source software. Various systems running the latest version of Invenio, like Zenodo, CERN Document Server or Open Data, will need specific acquisition gateways to feed the preservation platform. The associate will be in charge of the communication between the clients and the archival store. He/She will also be involved in the technical part during the ISO Trustworthy Repositories Audit & Certification process that CERN intends to gain.

Finally, he will implement or supervise the implementation of dedicated web services designed for DROs. The goal is to trigger the transmission of relevant documents and multimedia from individuals to the appropriate platform when individuals are departing CERN.

## Skills

Databases: MySQL, PostgreSQL. Information Technologies: Building web applications (e.g. with jQuery, HTML5), Using software development tools (e.g. Git, Jira, Trac), Using web application frameworks (e.g. Django, GWT, APEX). Programming Languages: Javascript, Python

## Disciplines

Information Technologies

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