

Collaborative editing in CERNBox

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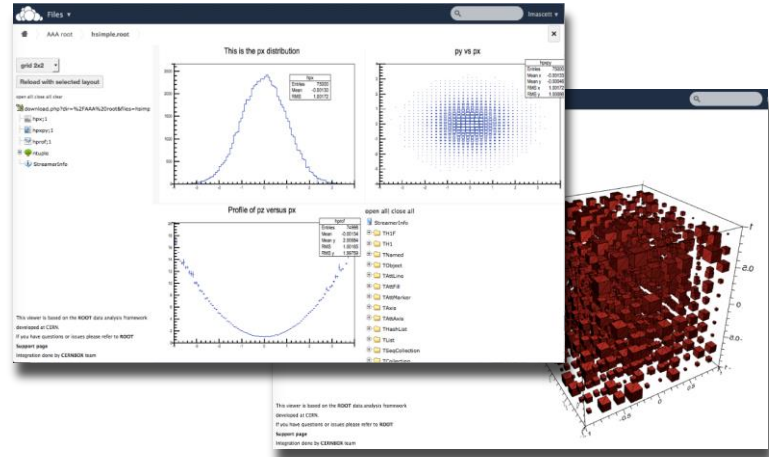


Outline

- The CERNBox/OwnCloud ‘Ecosystem’
- Microsoft Office Online at CERN
- Prototyping the integration

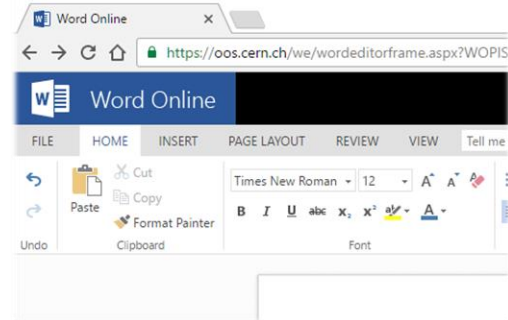
The CERNBox/OwnCloud 'Ecosystem'

- ROOT and Python viewer/editor already incorporated
- Leveraging Jupyter notebooks
- Gallery view coming soon
- Office documents are the natural next targets



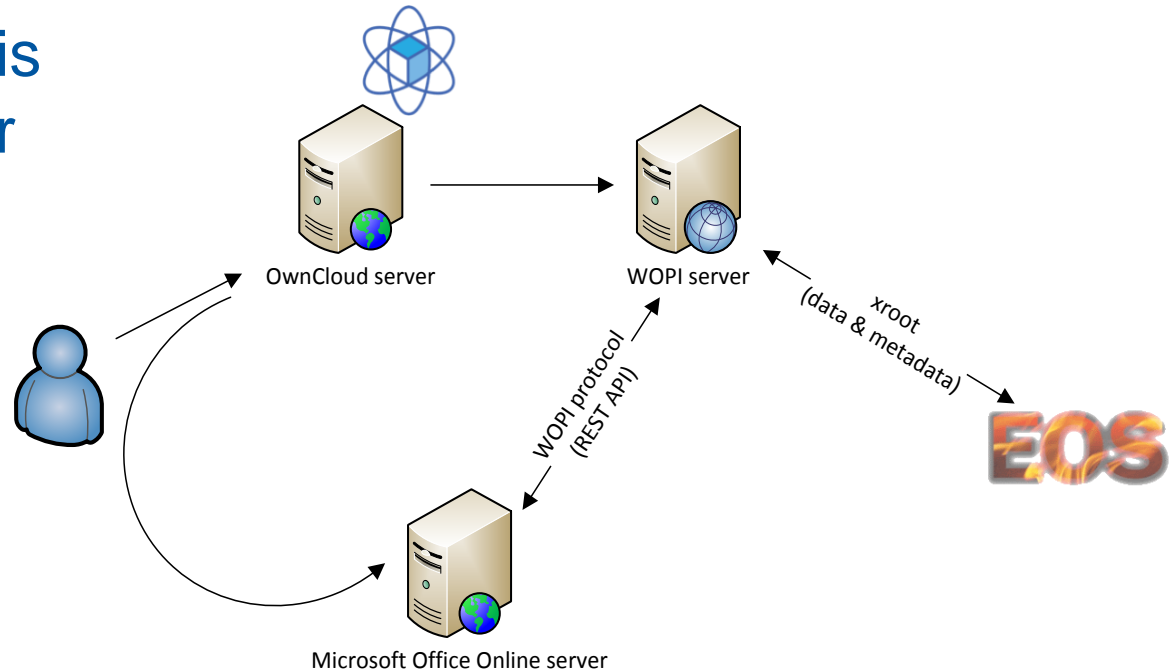
Microsoft Office Online at CERN

- An application server running the Microsoft Office Web Applications
 - In production for OneDrive
 - Supported by IT/CDA
- Based on a public REST API
 - *Web-application Open Platform Interface*



Prototyping the integration

- My contribution is the WOPI server
- It's based on
 - Flask
 - xrootd-python



First experience so far

- Proof of concept developed in Dec 2016
 - And some caveats already unveiled:
conflicts handling & users' expectations mgmt
- Being integrated in the CERNBox pre-prod service
 - Early users to come soon



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