Bring Your Own Application

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Outline

- Project Idea
- Apps Description
- Usage
- Work done
1. CERNBox is the cloud storage and collaboration hub for more than 16k users.

2. Collaboration happens thanks to integration of ownCloud and various application providers.

3. Since the move to cloud based services, the user freedom was lost.

4. The aim of the project is to allow users to choose the application of their preference to complete their task.
Apps Description

Preferences App
- This app will be used to associated different mime types with application providers.
- The associations will then be used to determine the application to be used to open a certain file.

Root Viewer App
- This app will be used to open .root files in Phoenix. For this a provider must be associated first.
- This will act as a reference implementation of Phoenix app and to integrate any CS3 compliant application to the REVA platform.
## Document Associations

<table>
<thead>
<tr>
<th>Mime Type</th>
<th>Providers</th>
</tr>
</thead>
<tbody>
<tr>
<td>application/x-root</td>
<td>root.cern/js/latest</td>
</tr>
</tbody>
</table>

Register
<table>
<thead>
<tr>
<th>NAME</th>
<th>SIZE</th>
<th>MODIFICATION TIME</th>
<th>ACTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>check.root</td>
<td>0 B</td>
<td>19 days ago</td>
<td></td>
</tr>
<tr>
<td>dir1</td>
<td>4 KB</td>
<td>25 days ago</td>
<td></td>
</tr>
<tr>
<td>file1.ppt</td>
<td>0 B</td>
<td>25 days ago</td>
<td></td>
</tr>
<tr>
<td>file1.txt</td>
<td>0 B</td>
<td>25 days ago</td>
<td></td>
</tr>
</tbody>
</table>

Open check.root in

- RootViewer
- Download
Read a ROOT file

jsROOT version 5.7.0 29/04/2019

http://localhost:9998/data?filename=

Read docs how to open files from other servers.

Load Reset simple

open all | close all | clear

data?filename=AtlasExample.root

cl1

style,1

streamerInfo
Read a ROOT file

JSROOT version 5.7.0 29/04/2019
http://localhost:9998/data?filename=

\[ \frac{d\sigma}{dE_{T_{\text{jet}}}} \left[ \text{fb}/\text{GeV} \right] \]

\( \sqrt{s} = 14 \text{ TeV} \)

\( |\eta_{\text{jet}}| < 0.5 \)

- Data 2009
- NLO QCD
Work Done

- All the proposed tasks are successfully completed.

- The complete description of work can be found here: https://github.com/Mohitty/GSoC2019