ORTHANC

The future of Orthanc



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October 2013: Orthanc becomes a VNA

Picture archiving and communication system (PACS)



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2016 to 2019: Stone of Orthanc

- Standalone, companion project to Orthanc for viewers
- Lightweight, cross-platform C++ library to render medical images (cf. VTK)
- Can be run by Web applications (WebAssembly)
- 2D hardware acceleration (OpenGL/WebGL)
- Built-in support of 3D coordinates (MPR, volume reslicing)
- Support of oncology: PET-CT fusion, doses, contours...



Ultimate goal: Fast development = build a new viewer in a handful of days

2020: Next generation of Web viewers



This is **WebAssembly using Stone**!

Full access to 3D geometry (MPR, reference lines...) Independent of Orthanc: DICOMweb or any kind of "DICOM source" Not decided yet: Heavyweight (Qt) or Web application?

2020: Radiotherapy viewers for end-users



Goal: Patient empowerment (bring those highly specific images out of hospitals, clinical study)







Thanks for your contributions!