Orthanc

Orthanc is an open source, modular, lightweight DICOM server designed by Sebastien Jodogne and maintained by a Belgian company called UCLouvain. It has rich API endpoints and several plugins configured to support different databases, different viewers too.

Key Features

Dicom Support – query and retrieval of DICOM files

Web Face Interface for displaying and managing DICOM files.

RESTful API for integration with other systems.

Extensable plugins for additional features.

Offers security of data to ensure information does not leave network/unauthorized access.

Pros

Cons

Dicoogle

Dicoogle is an enterprise-grade open source PACS system. It has a modular structure that is packed with developer-friendly SDK to allow developers to build medical imaging server-ready applications. Dicoogle has powerful archiving, indexing and query options with highly scaled infrastructure that has been tested with +25 million indexed DICOM objects. Dicoogle comes with a set of API to build cloud-based DICOM applications. Dicoogle's documentation includes detailed manual about Dicoogle installation, configuration, and setup, with a comprehensive guide for building plugins for Dicoogle and web/ cloud applications.

Pros

Cons

Comparative analysis

Feature Set

Ease of use

Scalability

Community and Support

Conclusion