MEDICAI

Archive

Data Sheet - 2022

Limitless Enterprise Imaging Archive

There is a constant increase in the volume of data generated by medical imaging equipment, driven by various factors, that is placing increased pressure on the existing organization's IT infrastructure. Due to the large volume of data, traditional PACS systems can’t scale quickly and are becoming a pain to restore in case of a disaster. To overcome this hurdle, healthcare organizations need a complementary solution that can take the load from their current imaging infrastructure, seamlessly archive their data and keep pace with the evolving demands of the enterprise imaging workflows. Medicai Archive comes in place to meet these demands and help organizations in their cloud adoption journey.

Advantages

Seamless integration

The solution is compatible with your organization’s existing imaging infrastructure and can archive all the medical imaging data produced by your current modalities or PACS systems.

It connects seamlessly to various PACS systems, modalities, and workstations. The system could run in your organization’s infrastructure in a few days.

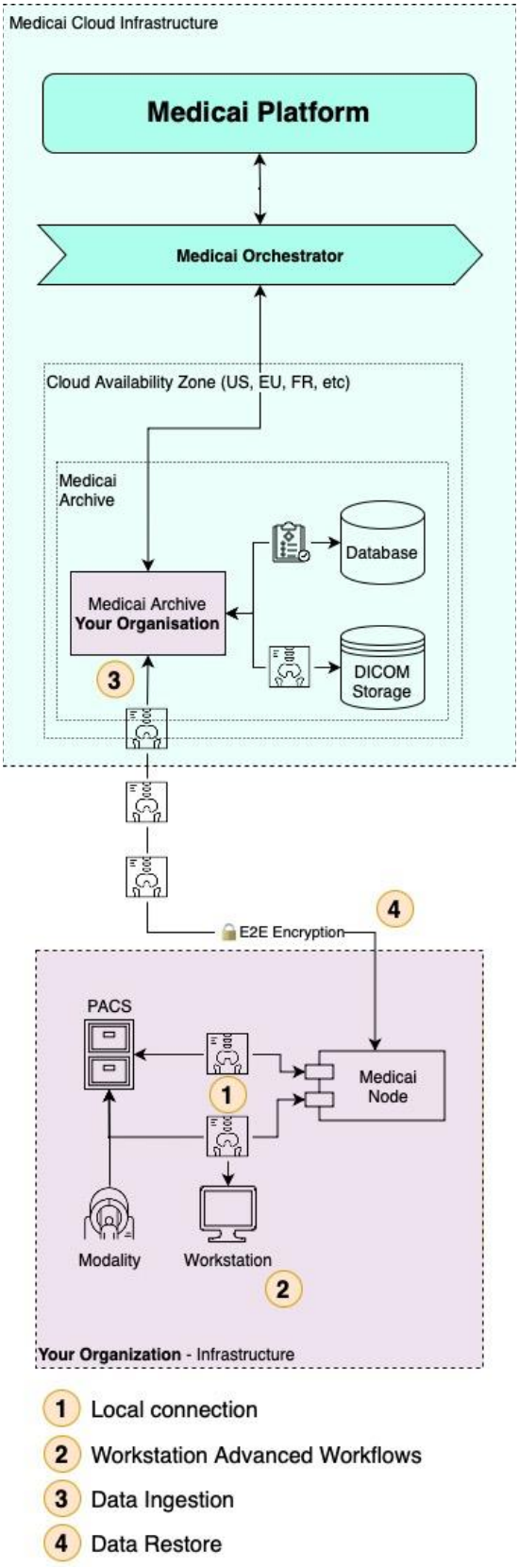
Cloud Native

We built the Medicai Archive to be cloud-native and scalable. Your organization can take advantage of virtually unlimited storage. It can augment your current cloud solutions or be there to support the first steps in the cloud adoption journey.

Smart Restore Workflows

Advanced workflows can be built with the smart archive to restore the data automatically from the Archive in your current workflows (PACS, workstation) when needed.

Archive Architecture



(1) Local connection

Bi-directional workflows with any modality are seamless and easy to add. Everything sent to the Medicai Node is automatically archived. The Node knows to what modality to restore the data.

(2) Workstation Advanced Workflow

Work with the archive as you would with the PACS. Any search operations will instantly return the metadata for the archived studies. When requesting a restore, the Node will know to deliver the studies to the particular workstation that initiated the request. Restore events can be scheduled in advance (e.g., one day before the patient comes for the appointment).

(3) Data ingestion

Any study sent to the Node is automatically transmitted via an end-to-end encrypted channel and immediately stored in the Archive. All data stored is encrypted at rest.

(4) Data Restore

Data restore requests can be triggered via the Medicai Platform or the Workstation Advanced Workflows. In either case, the restore will take between 6 to 24 hours, and the data will be sent securely to the Node and then distributed to one of the PACS systems or the requesting Workstation.