

## Enabling Artificial Intelligence Workflows

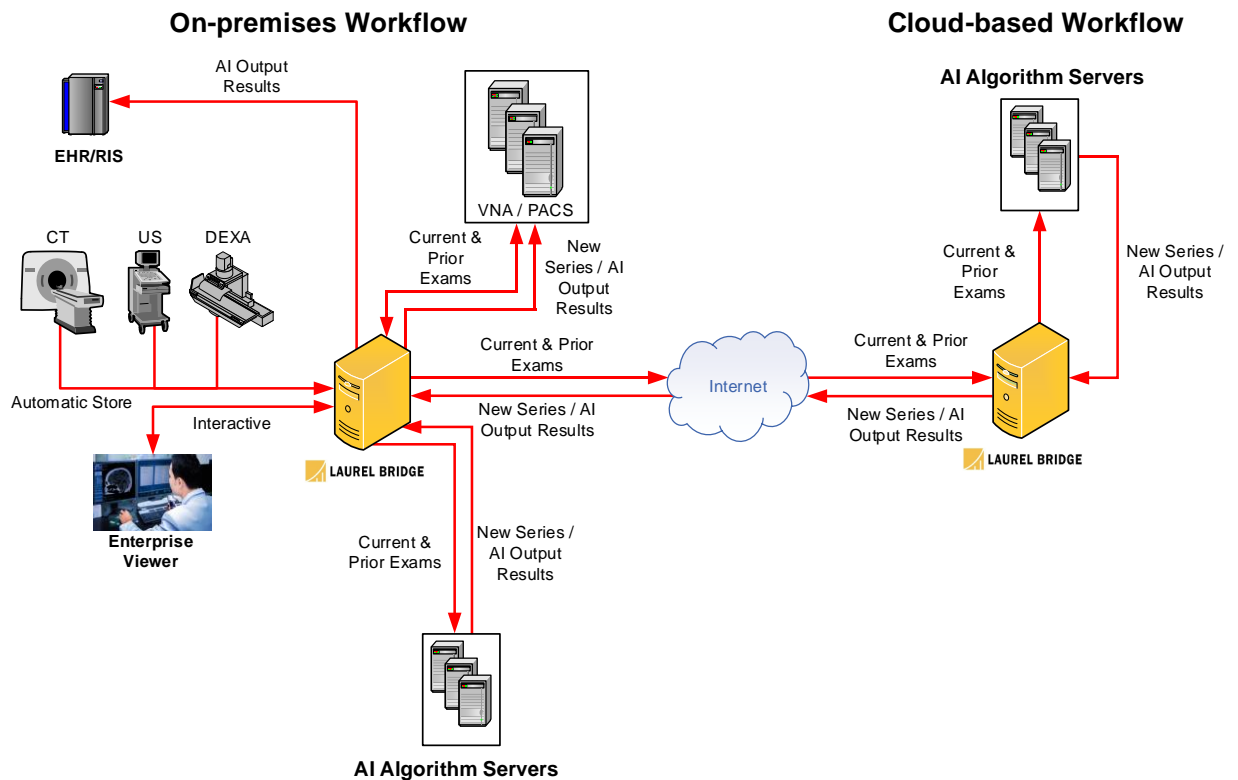
### Challenge

- Integrate enterprise imaging artificial intelligence (AI) algorithms into clinical workflows.

### Solution - The Laurel Bridge AI Workflow Suite

### Benefits

- Automates and manages the secure flow of medical image study data between AI algorithms and existing clinical systems and workflows.
- Ensures seamless interoperability between local facilities and cloud-based algorithms.
- Enables interoperability of 3rd party applications and clinical systems via standards.



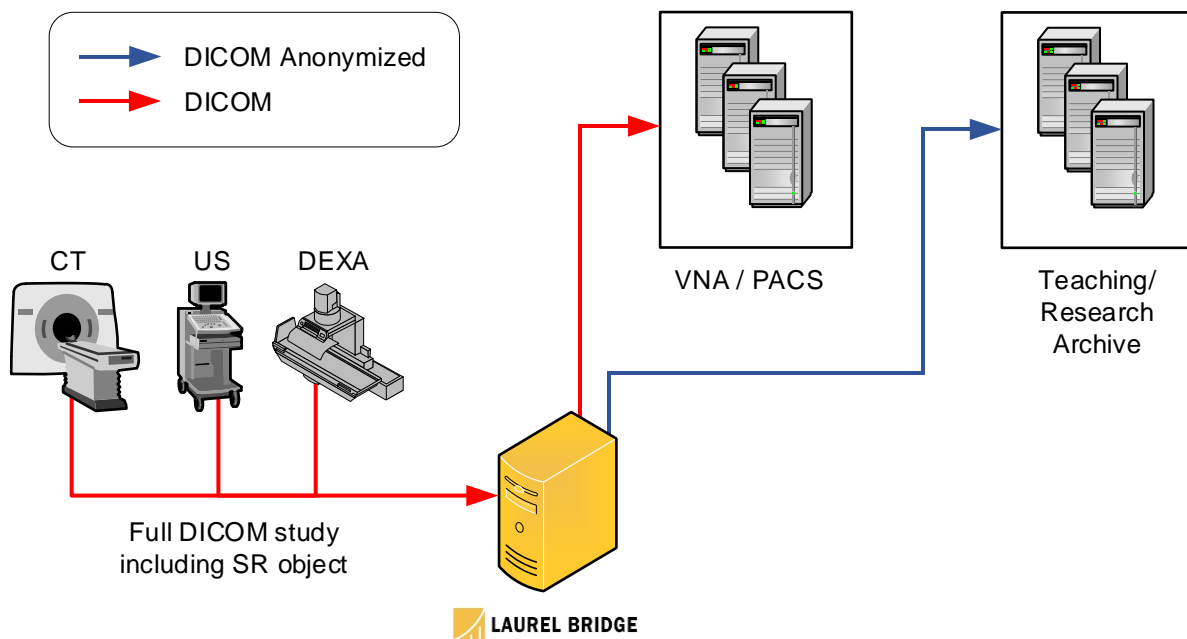
The Laurel Bridge AI Workflow Suite integrates on-premises and cloud-based medical imaging AI algorithms into existing clinical workflows. AI results may be sent to a PACS archive, VNA, EMR, or other destinations via standard DICOM and HL7 protocols, and may be subsequently accessed by enterprise components, including PACS viewers and enterprise radiologist worklists.

## Capabilities Summary

The Laurel Bridge AI Workflow Suite automates the flow of DICOM study data between Artificial Intelligence based medical imaging clinical applications, platforms, imaging modalities, and clinical IT systems.

- Identifies and moves current and prior DICOM studies between modalities, clinical archives, and AI applications and platforms. Applies de-identification/anonymization as needed to allow off-site processing.
- Returns, re-identifies, and matches results to the appropriate patient folder regardless of whether sources and destinations are local, remote, or in public or private clouds.
- Ensures HIPAA compliance and enterprise security requirements are met.
- Supports on-premises ecosystem and cloud-based AI algorithm platform deployment topologies.
- Leverages the full functionality of Laurel Bridge’s Enterprise Imaging Workflow Suite.

## Machine Learning Workflow



Whether you are working with radiology, cardiology, ophthalmic, or other machine learning algorithms for training or production, the Laurel Bridge AI Workflow Suite can automate the secure flow of data from any number of sources and automatically de-identify patient specific information as needed to comply with privacy requirements.