

Cloud Annotate

Guide

Cloud Annotate is a set of zero-footprint annotation tools that can be accessed through the web or integrated into any PACS. Easy to use tools are available for applying NLP to radiology reports, annotating medical images and videos, measurements, human-in-the-loop tasks and more.

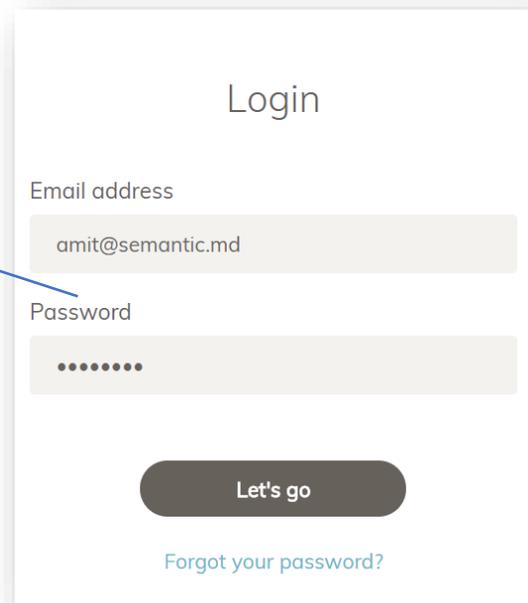
Getting Started

SemanticMD Cloud

Point your web browser to:

<https://cloud.semantic.md>

Sign in with your credentials.



Login

Email address
amit@semantic.md

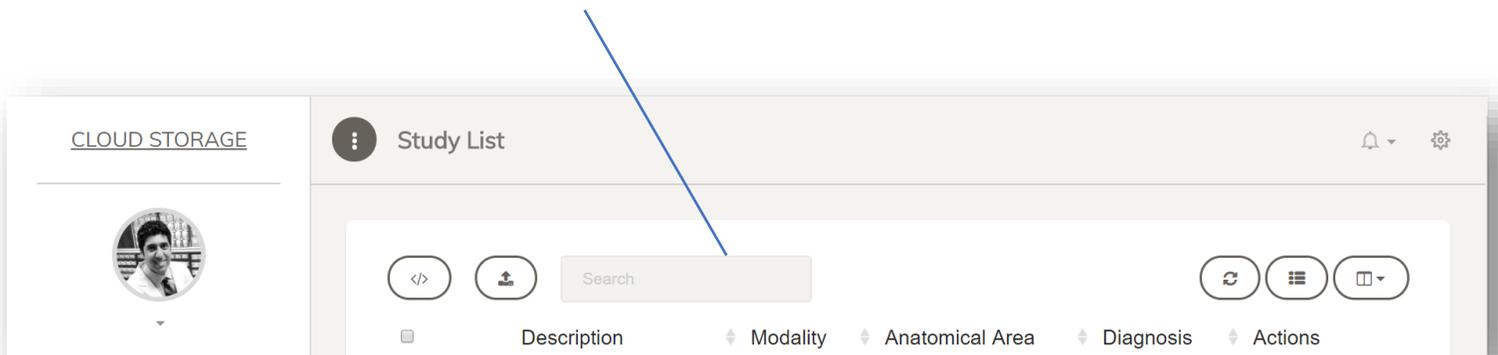
Password
.....

Let's go

[Forgot your password?](#)

Study List

After logging in you will be taken to the Study List. You can search for studies using keywords across all available fields.



Annotate Reports

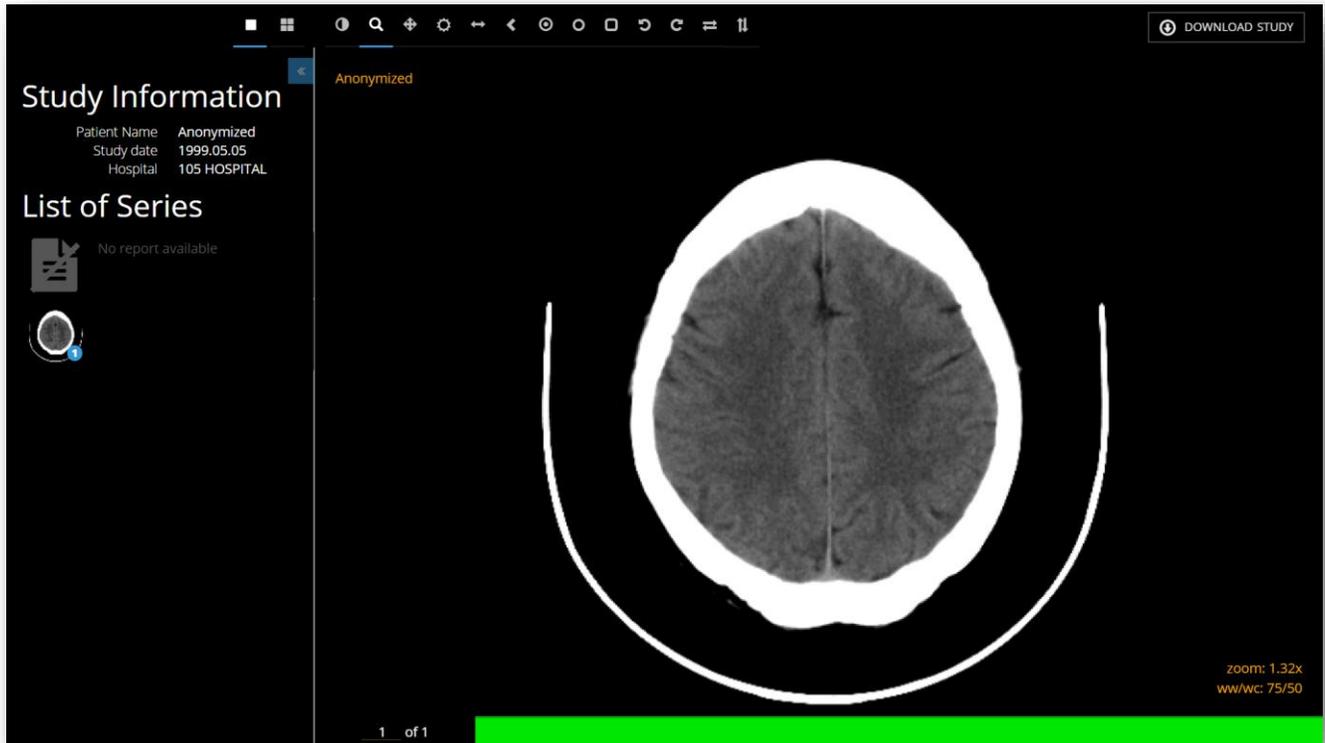
After selecting studies, clicking the “NLP button” will automatically apply OCR to attached reports and extract clinical diagnoses (e.g. SNOMED) from the studies.

The screenshot displays the 'Study List' interface. At the top, there are two notification banners: 'Applying OCR to report...' and 'Extracting terms...'. Below these, a search bar contains the text 'ankle'. A toolbar includes a code icon (NLP button), a user profile icon, and several utility icons. The main area is a table with columns: Description, Modality, Anatomical Area, Diagnosis, and Actions. The table lists several studies, with the 'Diagnosis' column containing extracted clinical terms like 'NORMAL', 'AVULSION FRACTURE', 'JOINT EFFUSION', 'SOFT TISSUE SWELLING', 'TWISTING', 'LATERAL PAIN', 'AVULSION FRACTURES', 'PAIN', 'FRACTURE', 'FRACTURE OF THE DISTAL FIBULA', and 'OSTEOPENIA'. A blue arrow points from the text above to the code icon in the toolbar.

Description	Modality	Anatomical Area	Diagnosis	Actions
RT ANKLE	CT	-		[Icon] [X]
RT ANKLE	DX	-	NORMAL	[Icon] [Icon] [X]
LT ANKLE	DX	-	AVULSION FRACTURE, JOINT EFFUSION, SOFT TISSUE SWELLING	[Icon] [Icon] [X]
ANKLE XRAY COMPLETE - L	CR	-	TWISTING, LATERAL PAIN, AVULSION FRACTURES, NORMAL	[Icon] [Icon] [X]
ANKLE XRAY 2 VIEWS - L	CR	-	PAIN, FRACTURE	[Icon] [Icon] [X]
ANKLE XRAY 2 VIEWS - L	SR	-	FRACTURE, SOFT TISSUE SWELLING, CALCANEAL SPUR, OSTEOPENIA	[Icon] [Icon] [X]
ANKLE XRAY 2 VIEWS - L	CR	-	SOFT TISSUE SWELLING, FRACTURE, FRACTURE OF THE DISTAL FIBULA	[Icon] [Icon] [X]
ANKLE XRAY 2 VIEWS - L	CR	-	FRACTURE	[Icon] [Icon] [X]

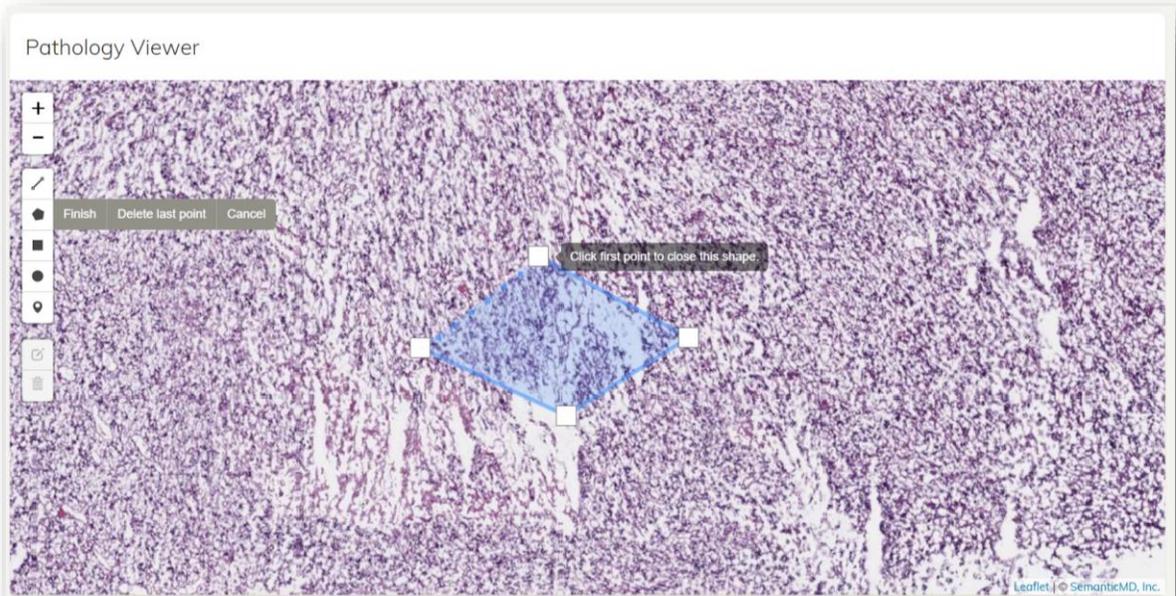
Annotate DICOM Images

We provide a lightweight, HTML5-based DICOM viewer for rapidly annotating DICOM data. Our viewer is CE-mark certified but not available for diagnostic use.



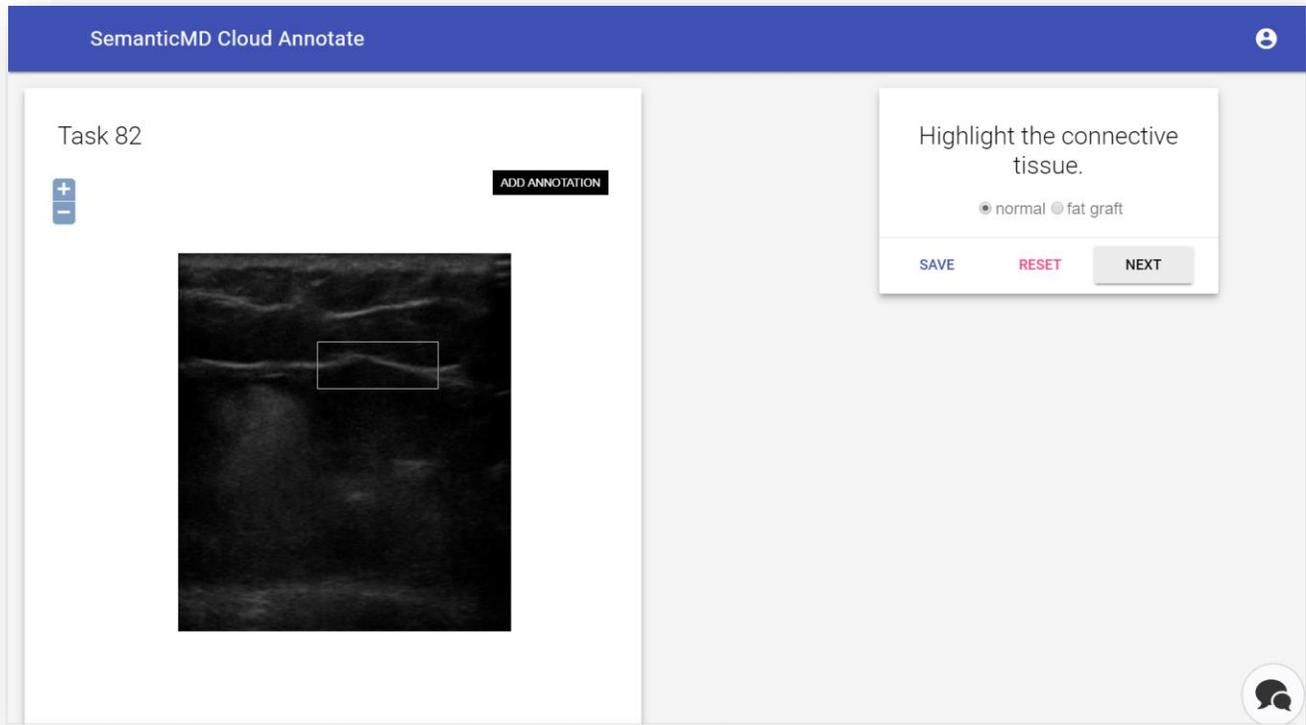
Annotate Gigapixel Images

For all other imaging data, we provide a viewer and rich set of annotation tools capable of handling gigapixel resolution images of any format. Upload your favorite pathology slide or OCT image.



Crowdsourced Annotator

In some cases, you need multiple annotators to establish a ground truth or you may want a human-in-the-loop system for training algorithms. We provide a crowdsourced annotation platform that enables you to gather annotations from multiple sources and schedule tasks across multiple annotators.



A Platform for Enterprise

Overview

Cloud Annotate gives enterprises a single annotation platform to enable the rapid curation of imaging datasets across and beyond their organizations. It incorporates secure image transport, HIPAA compliance, and robust image annotation control to create customized workflows, but in a smart and governed way.

Configurable Deployment

We know that every enterprise has unique imaging data, reports, and patient populations. Cloud Annotate can be configured to parse your report formats and image formats and integrate the outputs back into your own databases. We provide both cloud and on premise deployments where we optimize our code to fit your compute resources.

Extend with Governance

Cloud Annotate comes integrated with an enterprise-focused clinical trial management platform, and we are partnered with a leading imaging core lab. This provides enterprises a single governance framework to allow for common security, manageability, and scalability. Through our partners we provide de-identification, long-term image storage, auditing and consulting for clinical trials.

About SemanticMD

SemanticMD is a leader in providing medical imaging analytics powered by deep learning. Its portfolio of products meets customers' growing needs from annotating data and self-service analytics to managed, embedded and custom image analysis solutions. Our customers rely on SemanticMD solutions to gain meaning out of medical imaging data from varied sources and exploring the hidden relationships within data that lead to diagnostics, workflow tools, and improved clinical outcomes.