

Accelerated Annotation

Maximize model performance quickly with AI-powered labeling.

CloudFactory's Accelerated Annotation brings together the best of automation and human expertise to deliver high-quality data labeling at scale. By combining AI-assisted labeling technology with an experienced data annotation workforce in a single offering, CloudFactory provides critical insights that improve your labeling strategy and workflows to drive continuous quality improvement and maximize efficiency.

Key Features



Adaptive AI-assistance

Stop paying for labels you don't need with our state-of-the-art active learning models that adapt to your specific use case.



Critical Insights

Improve model performance with proactive feedback on where your model struggles or where ambiguity exists in the data, labels, or instructions.



Service and Experience

Tap into the expertise of our managed workforce offering refined over a decade of experience delivering thousands of projects for hundreds of clients.



Workflow

Clear the inevitable hurdles found in all machine learning projects to get results faster with less effort through our proven operational methodology.

By the Numbers

up to
30x
faster than
manual labeling

8M
hours of Vision annotation
experience

700+
clients with a 64 NPS Score
for excellent service

Technical Specifications

Annotations Supported

- Image Tags
- Bounding Boxes
- Instance Segmentation (Polygons + Pixel Masks)
- Semantic Segmentation (Polygons + Pixel Masks)
- Panoptic Segmentation (Polygons + Pixel Masks)
- Keypoints
- Video Understanding
- Attributes: Label metadata for polygons, masks, and bounding boxes

Annotation Formats Supported

- **Import:**
PNG Masks, JSON, COCO
- **Export:**
COCO, Pascal VOC, JSON, PNG Masks

Automation

- **Label Assistants:**
AI-assistance model continuously adapts to your data, getting better at predicting labels and attributes.
- **Fully Automated Labeling:**
Models trained on your data process batches of data.
- **Active Learning:**
Identify and prioritize images to label based on potential impact.
- **AI-Consensus Scoring:**
A quality assurance feature using various AI models presents potential errors for your review.
- **Additional Features:**
Additional automation features are available to speed manual annotation and ramp up model performance.

Storage Options

- **CloudFactory Platform:**
Store your data in our secure cloud environment while maintaining full, exclusive ownership of your uploaded data. Our environment is GDPR compliant, follows ISO27001 standards, and is available in a HIPAA-compliant or extra secure fashion with mounting buckets.
- **Cloud Service Provider:**
Object storage integration with AWS S3, Google Cloud Storage, and Azure Blob Storage.

Data Types Supported

- **2-D Image File:**
PNG, JPG, WEBM, HEIC, BMP, tiff
- **2-D Video Image Still:**
All video types supported by FFmpeg

Project Analytics

- **Images by Stage:**
Track the progress of images from annotation to AI consensus scoring.
- **Label Distributions:**
Track and monitor label classes and distribution of annotations.
- **Confusion Matrix:**
Track issues in annotation strategy, ambiguity, or potential errors with various confusion matrices for different project stages.
- **Model Performance:**
Track the improvement in Loss, Average Loss, mAP, or mask mAP over the annotation lifecycle of your project to understand if your annotation strategy is working, the number of labeled images to get the desired performance level, the potential impact a new or diverse batch of data will have, and much more.

API

REST API to programmatically manage your labeling project. Any task you can do through the interface, you can do through the API at scale, such as creating projects, uploading images and annotations, and exporting images and annotations. This offering supports up to 300 calls per minute.