

Cloud AutoML

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ML Frameworks:

Total Control



TensorFlow



AI Platform



Spark ML



Cloud Dataproc

AutoML:

Bring Your Own Data
(We Do the Rest)



Machine Learning APIs:

Ready to Go



Cloud
Vision API



Cloud
Speech API



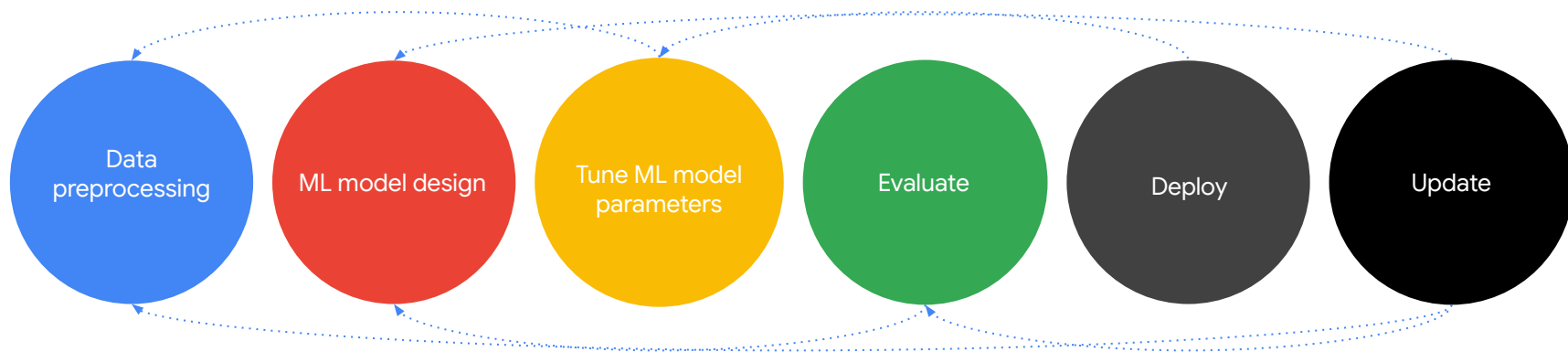
Cloud
Translation API



Cloud Natural
Language API



Cloud Video
Intelligence API







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AutoML
Vision



AutoML Natural
Language



AutoML
Tables



AutoML
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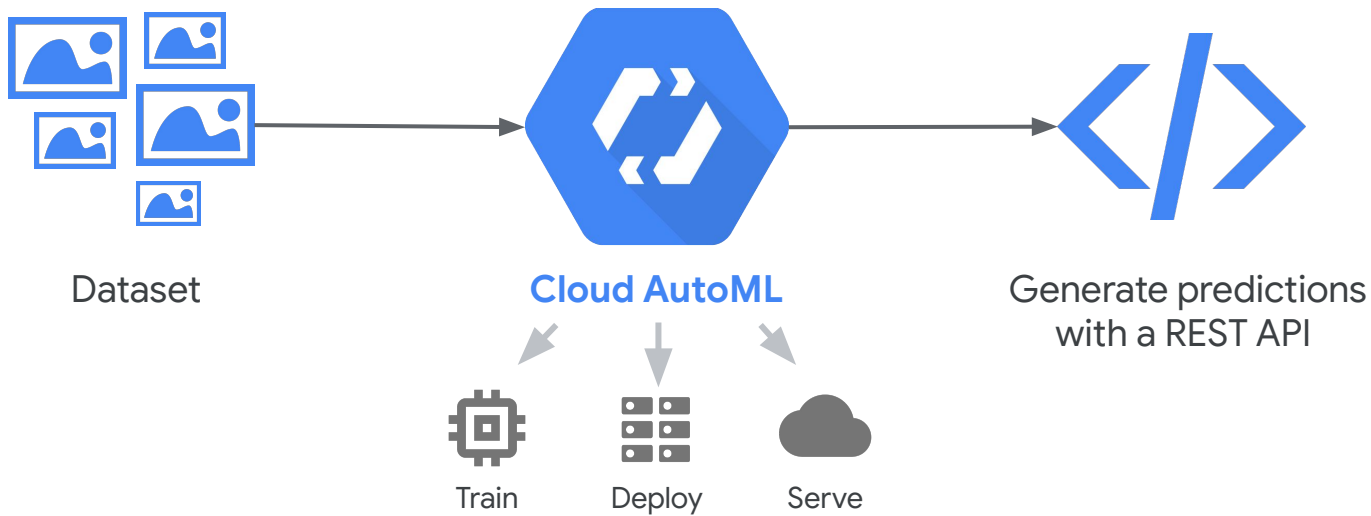
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AutoML Vision

Upload and label images

Train your model

Evaluate



Handbag



Shoe



Hat



Cloud AutoML



AutoML Natural Language

Upload and label text

Train your model

Evaluate



Sports



Lifestyle,
Money



Tech



Cloud AutoML



Sports

Lifestyle

Money

Tech

Travel

AutoML Translation

Upload translated
language pairs

一扇门	a door
两盏台灯	two table lamps
四床被子	four quilts
一壶茶	a pot of tea
五部电话	five telephones
六节电池	six batteries

Train your model



Cloud AutoML

Evaluate



AutoML Tables

Table input

Train your model

Evaluate



Cloud AutoML

AutoML Video Intelligence

Labeled videos

Train your model

Evaluate



Cloud AutoML

Summary

Cloud AutoML offers **higher model accuracy and faster time to create** a production-ready model.

Users need **limited ML expertise to build a custom ML model**.

Simple graphical user interface to upload their images, train and manage their models, and then use those models directly on Cloud.



Repo with demos

<https://github.com/julietsvq/Singularity2020>

Google Cloud AutoML

<https://cloud.google.com/automl>

Cat images dataset

<https://www.kaggle.com/crawford/cat-dataset>



Thank you

