# Tensorflow Framework

High-Level
TensorFlow APIs

**Estimators**

Mid-Level
TensorFlow APIs

**Layers**  **Datasets**  **Metrics**

Low-level
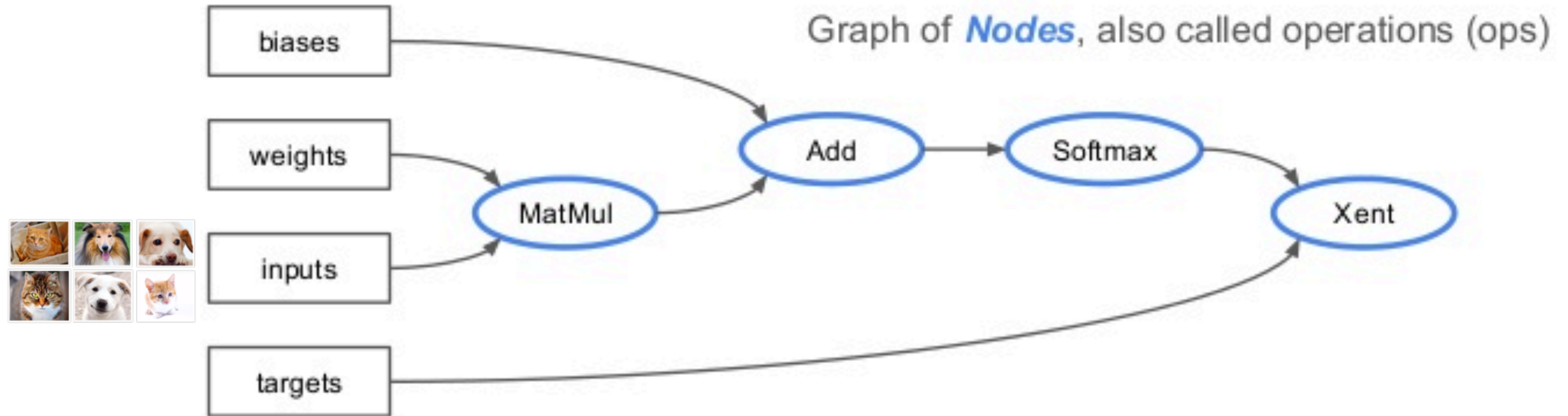TensorFlow APIs

**Python**    C++    Java    Go

TensorFlow
Kernel

**TensorFlow Distributed Execution Engine**

# Computation as a Dataflow Graph



Graph of *Nodes*, also called operations (ops)

classifier = **softmax**(inputs*weights + biases)
cost = **cross_entropy**(classifier, targets)