



唐源 @TerryTangYuan

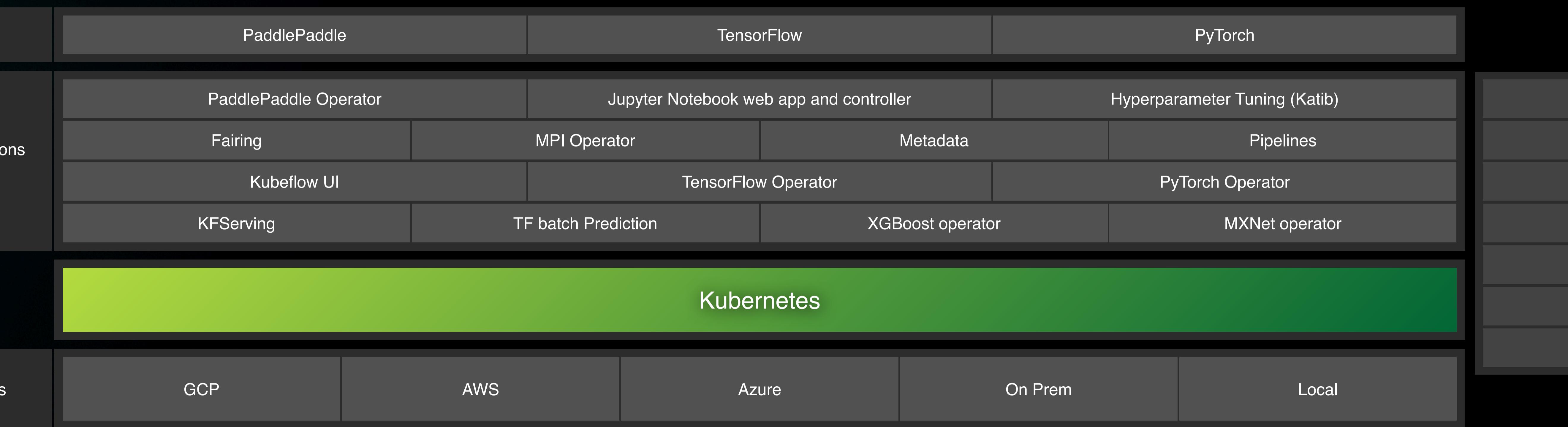
Co-chair of Kubeflow
Founding Engineer at Akuity



飞桨

基于Kubernetes的机器学习工具库遇上飞桨

Kubeflow Landscape

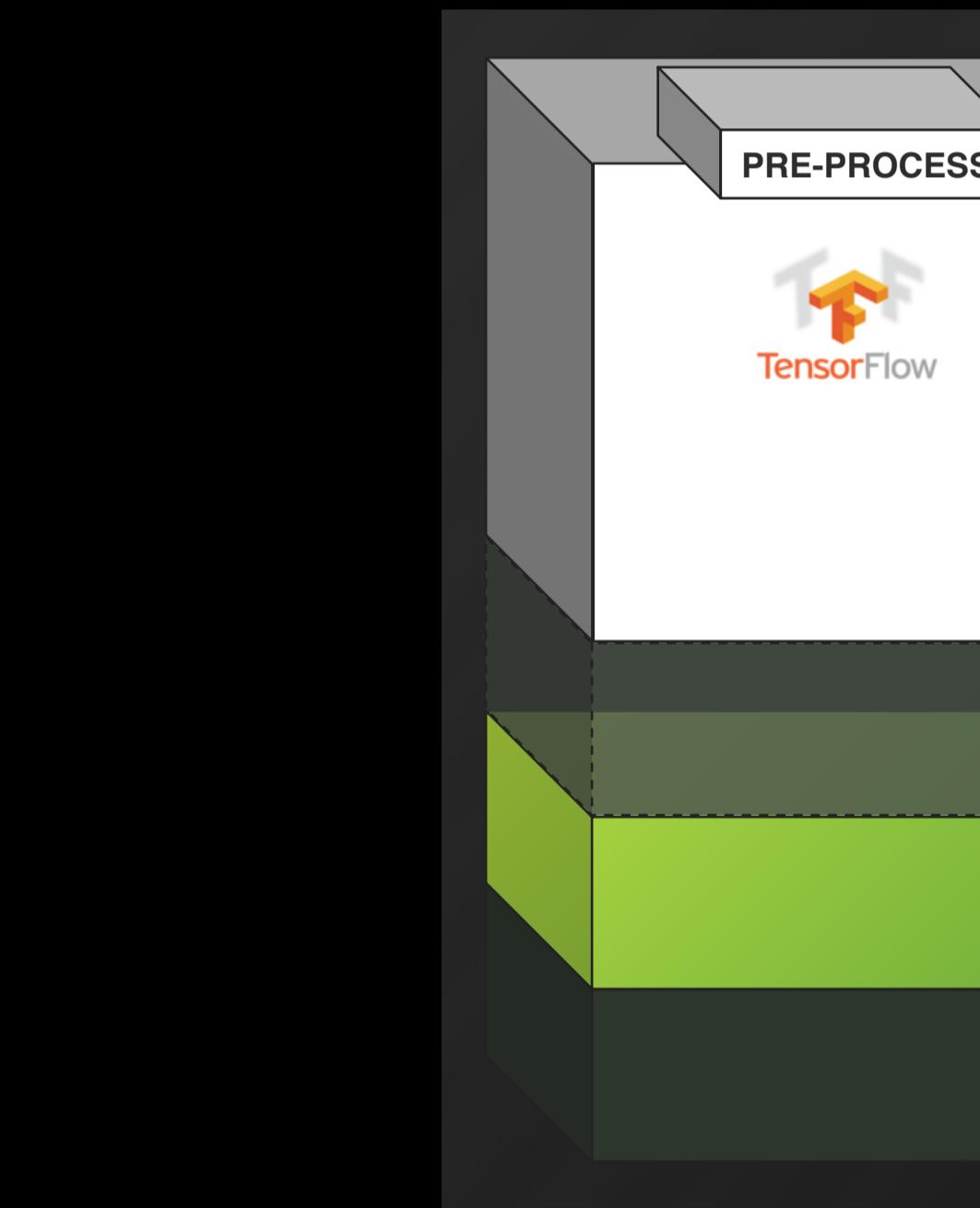


Kubeflow项目总览

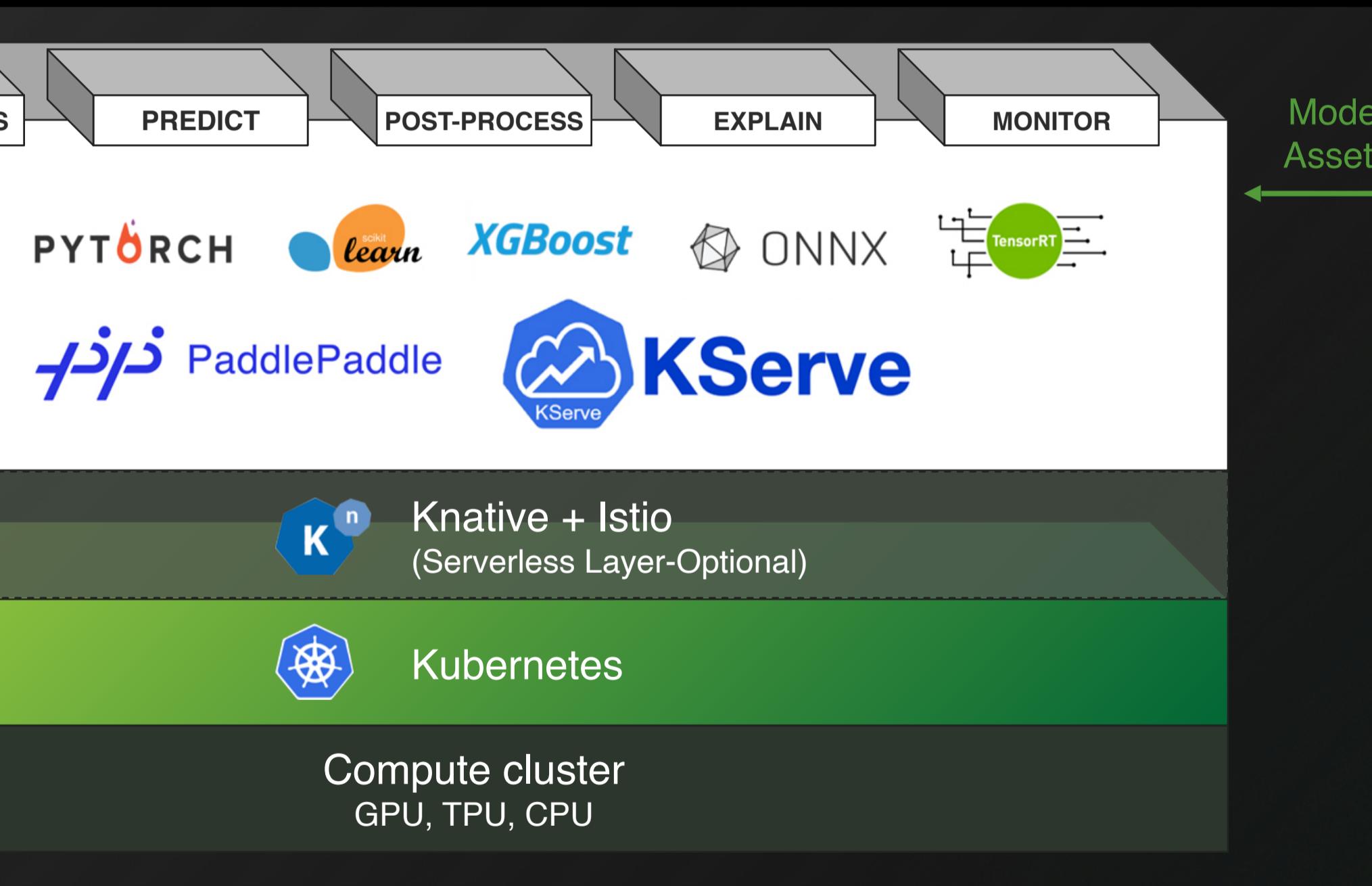
Central Dashboard

The Kubeflow Central Dashboard provides a unified interface for managing machine learning workloads across multiple Kubeflow components. The left sidebar includes links for Home, Notebooks, Tensorboards, Models, Volumes, Experiments (AutoML), Experiments (KFP), Pipelines, Runs, Recurring Runs, and Artifacts. The main content area displays sections for Quick shortcuts, Recent Notebooks, Recent Pipelines, and Documentation. Key features shown include the ability to upload pipelines, view pipeline runs, and create new Notebook servers. The Documentation section offers guides for getting started with Kubeflow, using Minikube, and running Kubeflow on various cloud platforms like GCP and AWS.

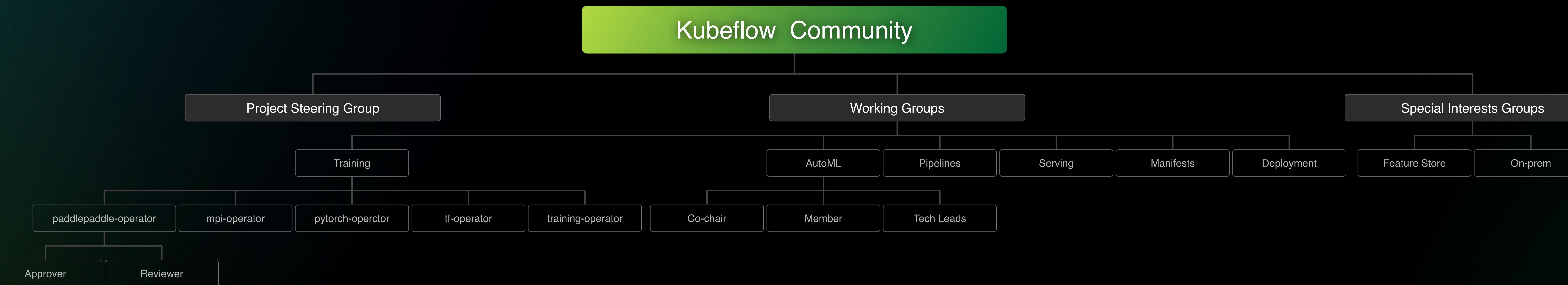
Katib



KServe



Kubeflow社区管理

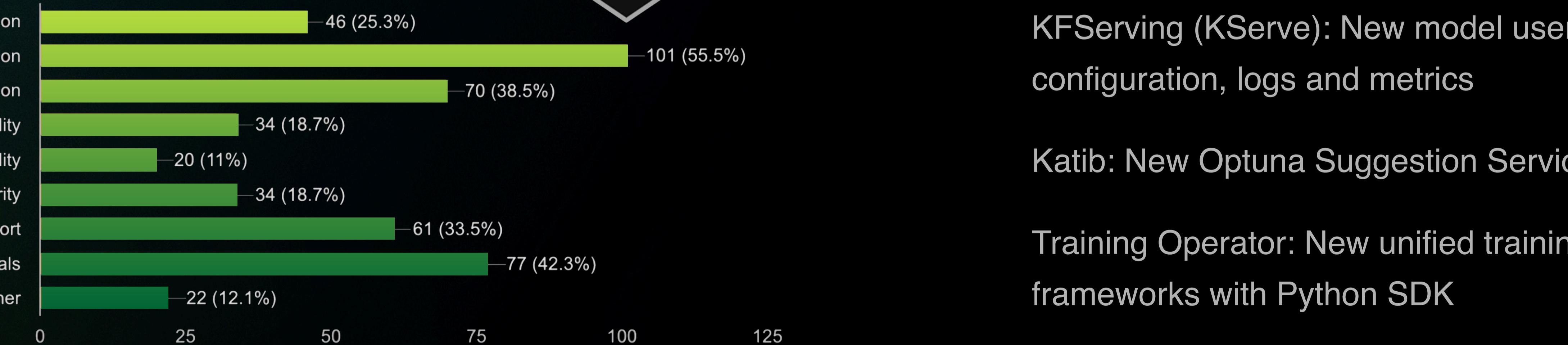


Kubeflow社区进展: v1.4发布

Priorities-Kubeflow 1.4 Docs Sprint

What are the biggest gaps in Kubeflow?

182 responses



Kubeflow 1.4
Docs Sprint
addresses
this user
request

v1.4 Highlights

KFP:

Advanced metadata tracking with metric visualizations and step caching

Simplified installation

KFServing (KServe):

New model user interface with model status,

configuration, logs and metrics

Katib:

New Optuna Suggestion Service with multivariate TPE algorithm

Dependencies,

change logs, tracking issues and

roadmaps

Training Operator:

New unified training operator that supports multiple

frameworks with Python SDK

Goals

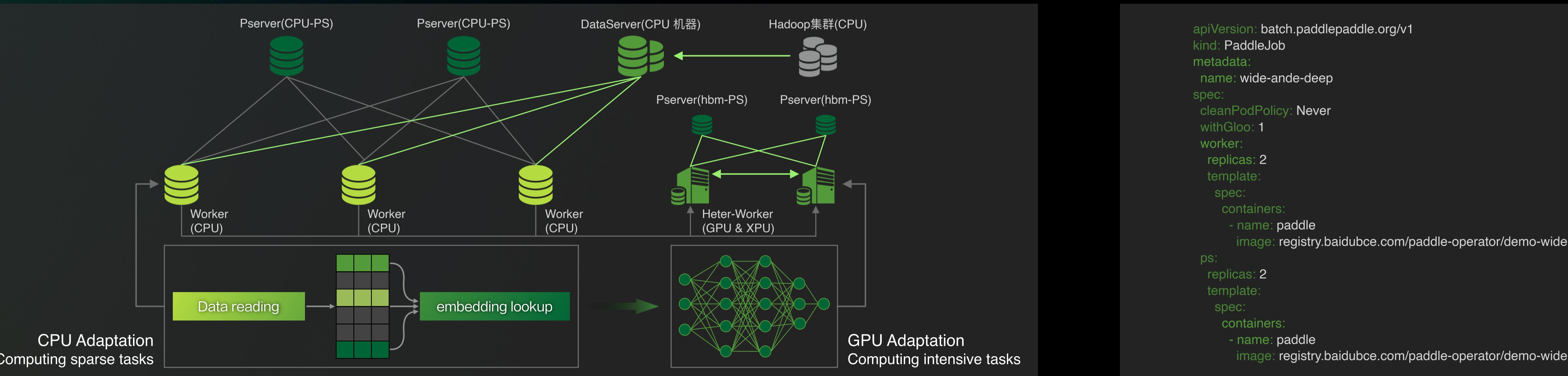
Core improvements to code, process, and documentation

Dependencies, change logs, tracking issues and roadmaps

PaddlePaddle Operator

Paddle-operator v0.3.1发布

支持PaddlePaddle第三代分布式异构集群训练



```
apiVersion: batch.paddlepaddle.org/v1
kind: PaddleJob
metadata:
  name: wide-ande-deep
spec:
  cleanPodPolicy: Never
  withGloo: 1
  worker:
    replicas: 2
    template:
      spec:
        containers:
        - name: paddle
          image: registry.baidubce.com/paddle-operator/demo-wide-and-deep:v1
  ps:
    replicas: 2
    template:
      spec:
        containers:
        - name: paddle
          image: registry.baidubce.com/paddle-operator/demo-wide-and-deep:v1
```

Paddle-operator v0.4 Roadmap

基于百度内部实践通过训练容错扩缩容能力提升异构集群资源利用率

如何参与 Kubeflow 社区贡献

Kubeflow 社区

<https://github.com/kubeflow/community/>

Working Groups (Training, AutoML, Pipelines, Serving, etc.)

联系我

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