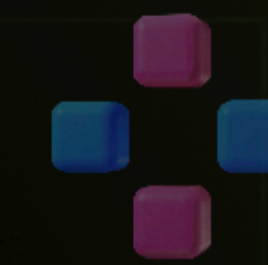


唐源 @TerryTangYuan

Co-chair of Kubeflow
Founding Engineer at Akuity

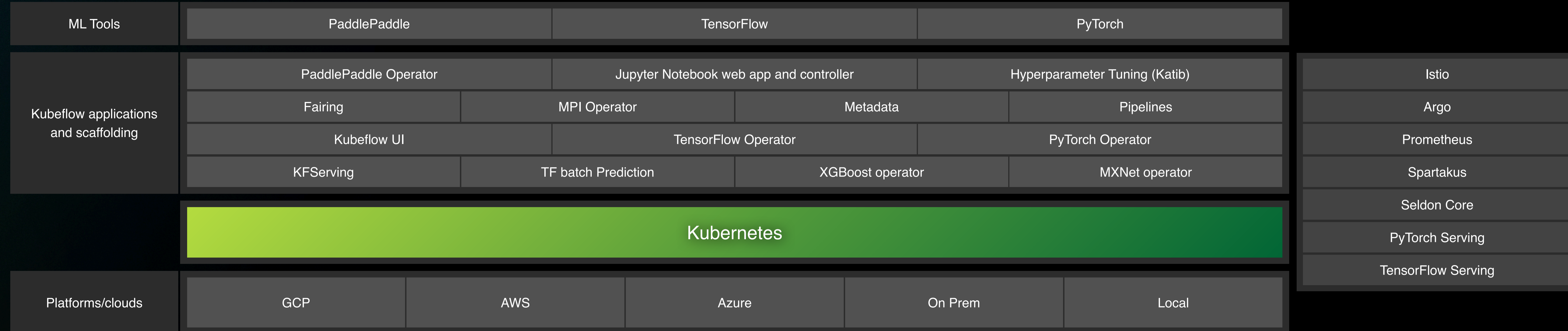




基于Kubernetes的机器学习工具库遇上飞桨



Kubeflow Landscape



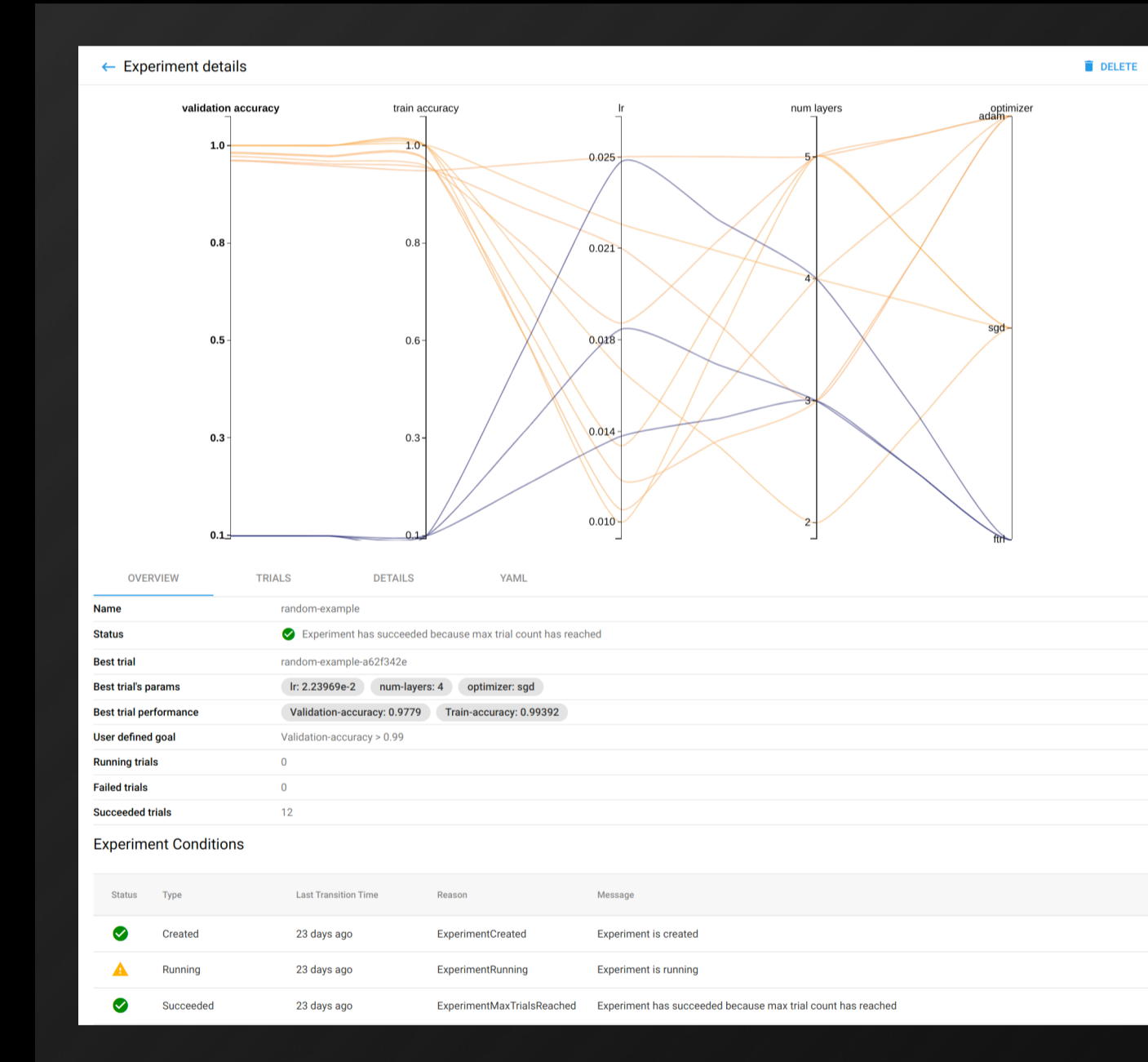
Kubeflow项目总览

Central Dashboard

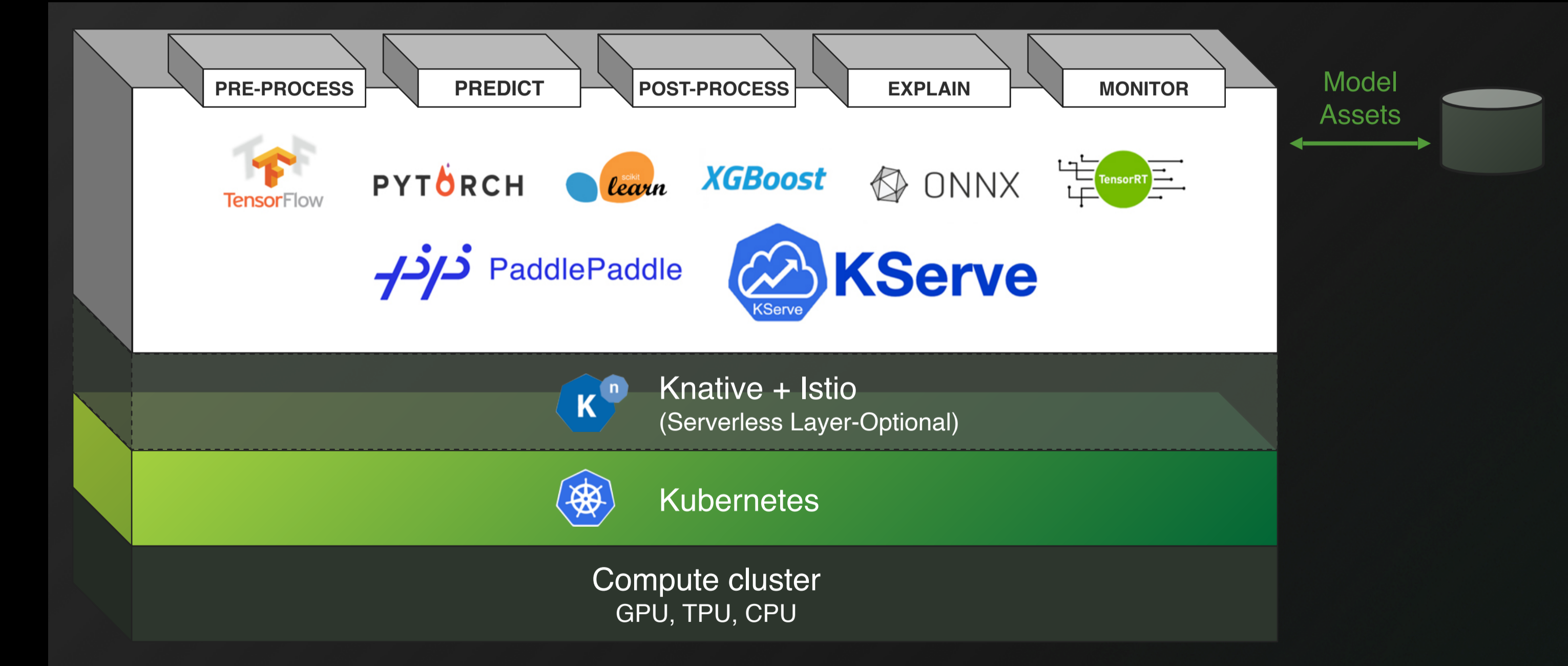
The screenshot shows the Kubeflow Central Dashboard for a user named 'kubeflow-user'. The interface is divided into several sections:

- Quick shortcuts:** Includes 'Upload a pipeline', 'View all pipeline runs', 'Create a new Notebook server', and 'View Katib Experiments'.
- Recent Notebooks:** Lists notebooks like 'kale.log' and 'lost+found'.
- Recent Pipelines:** Lists pipelines such as 'open-vaccine-model', '[Tutorial] DSL - Control structures', '[Tutorial] Data passing in python components', and '[Demo] TFX - Taxi tip prediction model trainer'.
- Documentation:** Provides links to guides for 'Getting Started with Kubeflow', 'Minikube for Kubeflow', 'Microk8s for Kubeflow', 'Kubeflow on GCP', 'Kubeflow on AWS', and 'Requirements for Kubeflow'.

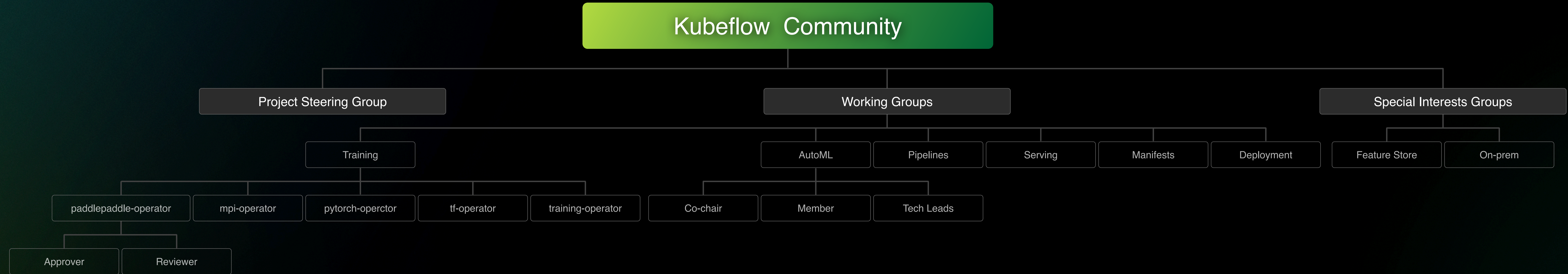
Katib



KServe



Kubeflow社区管理

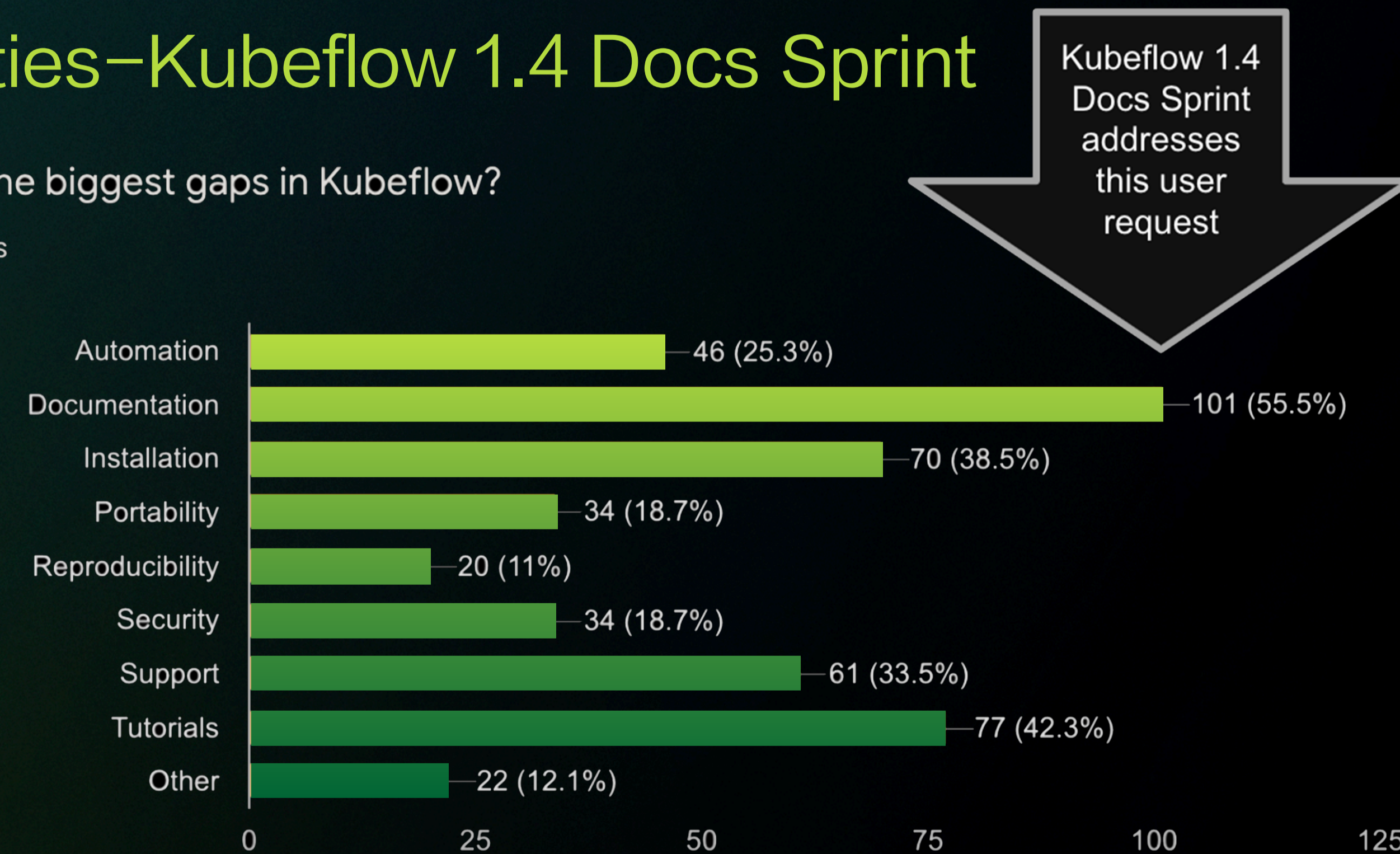


Kubeflow社区进展: v1.4发布

Priorities—Kubeflow 1.4 Docs Sprint

What are the biggest gaps in Kubeflow?

182 responses



v1.4 Highlights

KFP: Advanced metadata tracking with metric visualizations and step caching

KFServing (KServe): New model user interface with model status, configuration, logs and metrics

Katib: New Optuna Suggestion Service with multivariate TPE algorithm

Training Operator: New unified training operator that supports multiple frameworks with Python SDK

Goals

Simplified installation

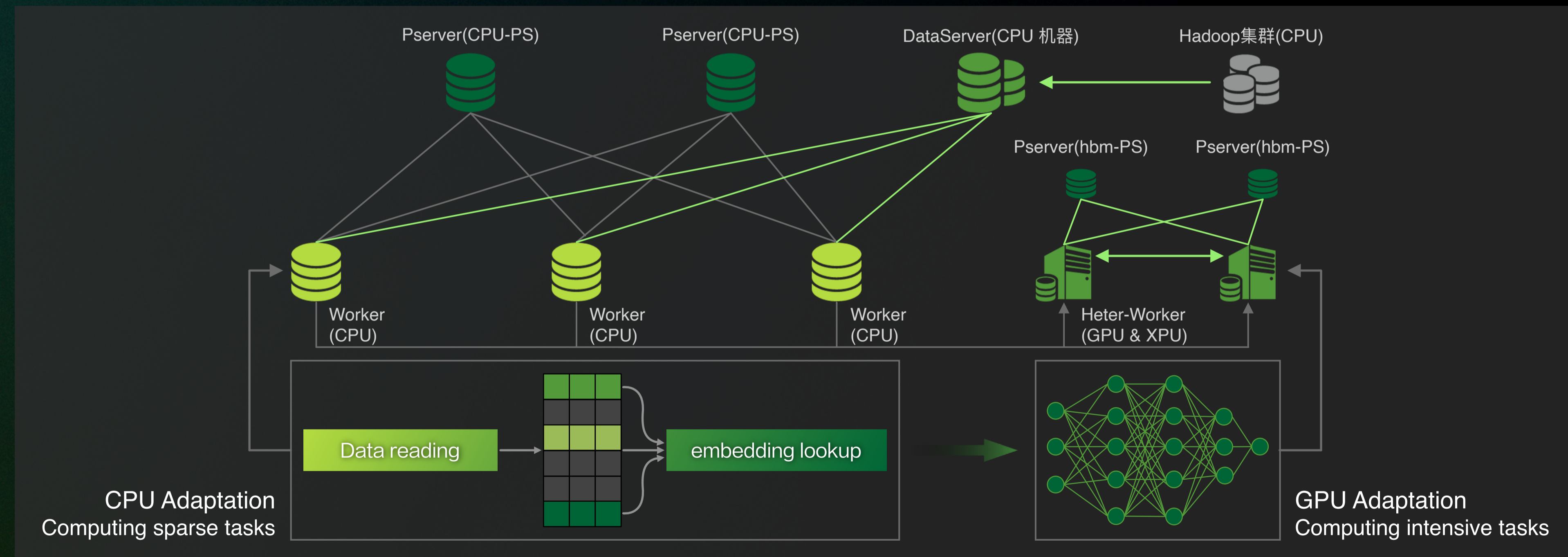
Core improvements to code, process, and documentation

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-and-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.)

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