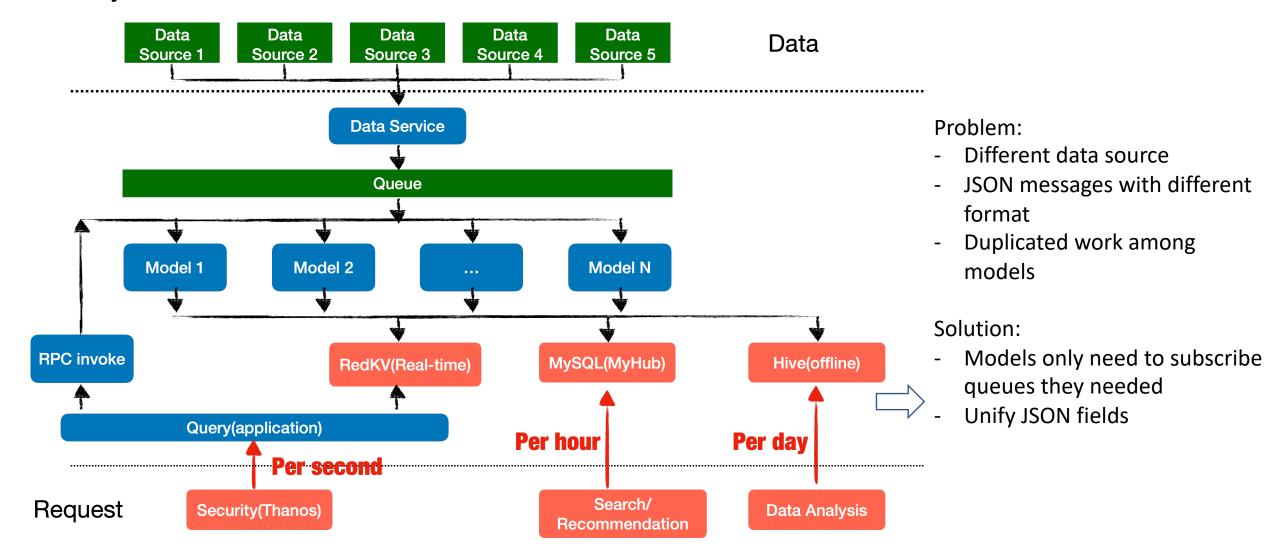
Machine Learning Platform

Content

- I. Data Service
- II. Deployment Service
- III. Model Zoo

I. Data Service

Unify data download method



II. Deploment Service

Simplify services deployment and management process

```
kind: Deployment
apiVersion: apps/v1
metadata:
 name: example
 namespace: ns
 generation: 1
 creationTimestamp: '2021-06-16T07:35:43Z'
 annotations:
   deployment.kubernetes.io/revision: '1'
   description: ''
 replicas: 1
   matchLabels:
     app: example
 template:
   metadata:
     creationTimestamp: null
     labels:
       app: example
     annotations:
       cri.cci.io/container-type: secure-container
       cri.cci.io/qpu-driver: qpu-450.80
        log.stdoutcollection.kubernetes.io: '{"collectionContainers": []}'
       metrics.alpha.kubernetes.io/custom-endpoints: '[{api:'''',path:'''',port:'''
     containers:
       - name: container-0
         image: 'mycloud.com/example/ex:test'
             cpu: '4'
             nvidia.com/gpu-tesla-v100-32GB: '1'
```

Problems:

- Complex deployment and management process
- Inconsistent configuration files

Solutions:

- Provide a single model deployment interface
- Uniform online configuration
- Provide services upgrade/rollback interfaces
- Visualize resources utilization

A simple example of deployment configuration

III. Model Zoo

- Provide a single COS interface to upload / download models
- Upload models after training to prepare the following inference service