

2018 THINK IN CLOUD BEIJING

基于云计算构建机器学习系统的实践

UCloud 叶理灯

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应用案例

云计算的发展

You Manage

Traditional

Applications

Runtimes

Security &

Integration

Databases

Servers

Virtualizatio

n

Server HW

Storage

Networking

You Manage

IT

1aaS

Applications

Runtimes

Security &

Integration

Databases

Servers

Server HW

Storage

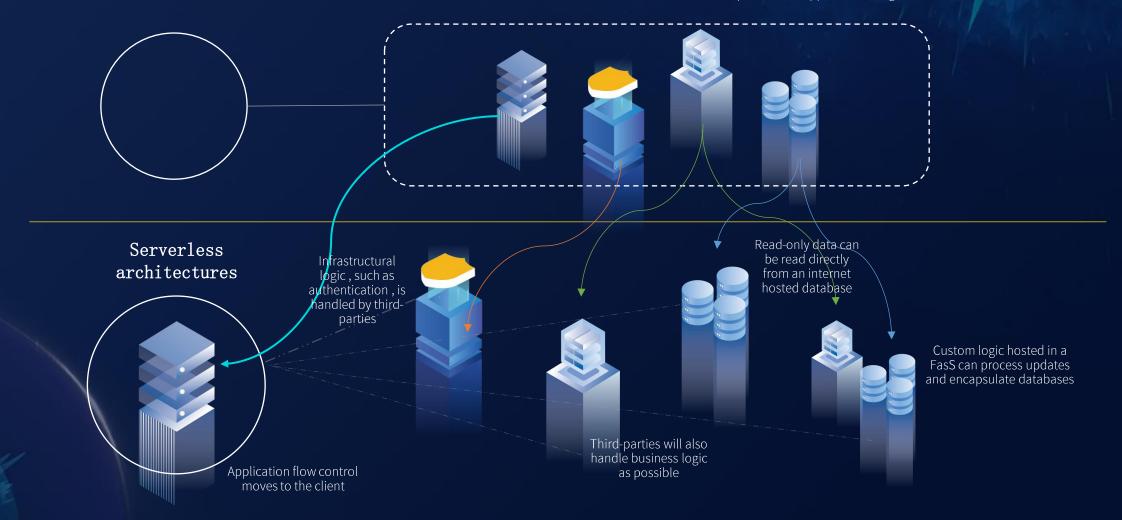
Networking

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硬件 托管 运行环 境托管 架构 托管 托管 K语 FaaS

Serverless 产品及架构

A traditional internet app has a client communicating with a long-lived server process that handles most aspects of the application's logic



Serverless Means…



No Server Management



Flexible Scaling





No Idle Capacity

机器学习在线推测

■ 机器学习系统



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■ 机器学习系统



构建在线推测系统



上层app管理



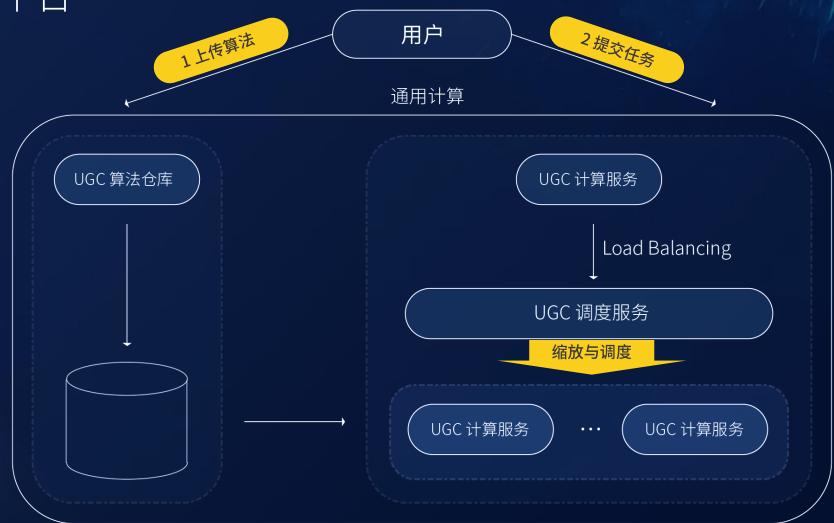
底层计算平台

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计算服务化

- 算法容器化

- HTTP API: 输入+算法+输出

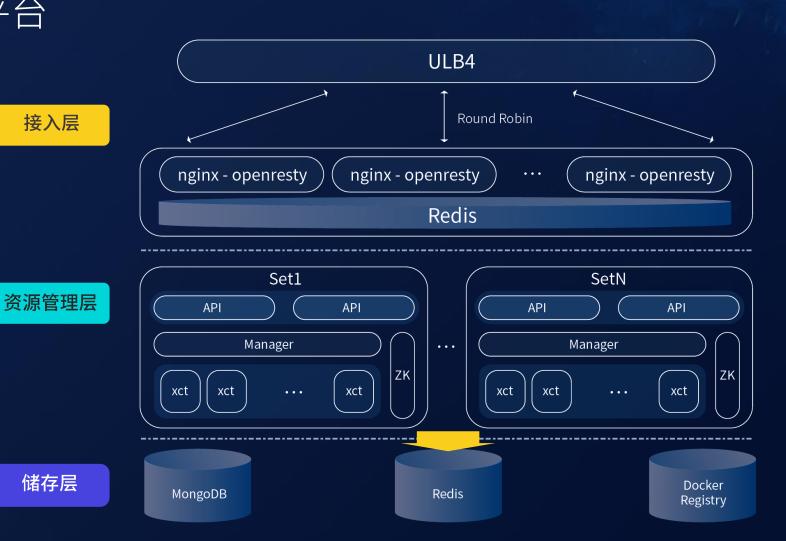


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接入层

储存层

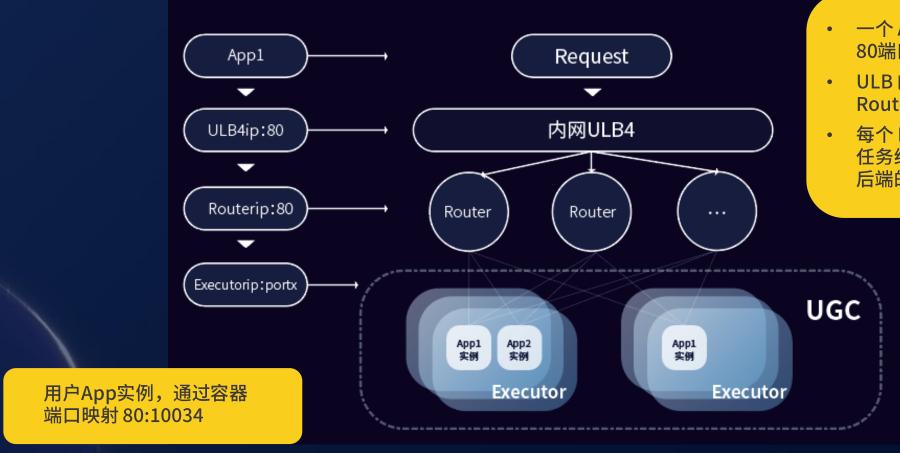


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■ App Engine

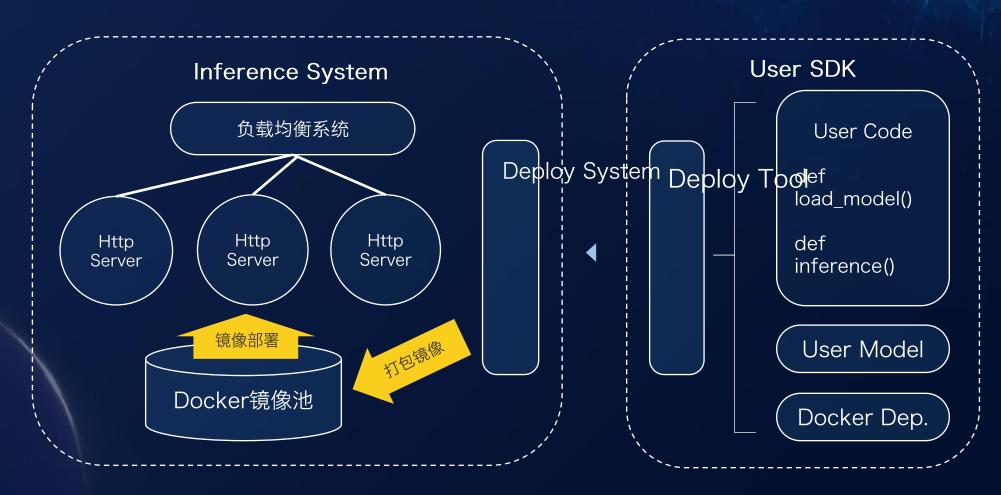


- 一个 App 访问 ULB 的 80端口
- · ULB 的端口与每个 Router 的端口——对应
- 每个 Router 机器上提交 任务给 UGC ,UGC 负责 后端的转发

■ 在线分类系统

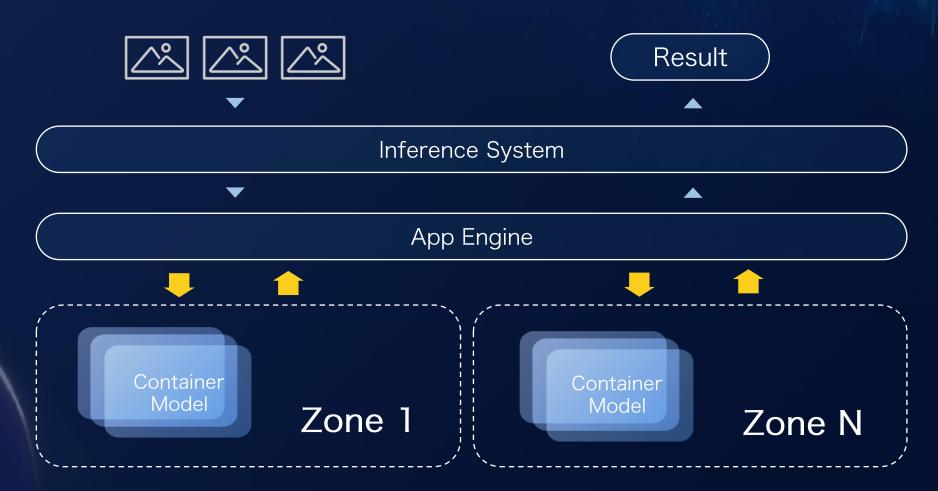


■ 在线分类系统



应用案例

∭ 头像识别



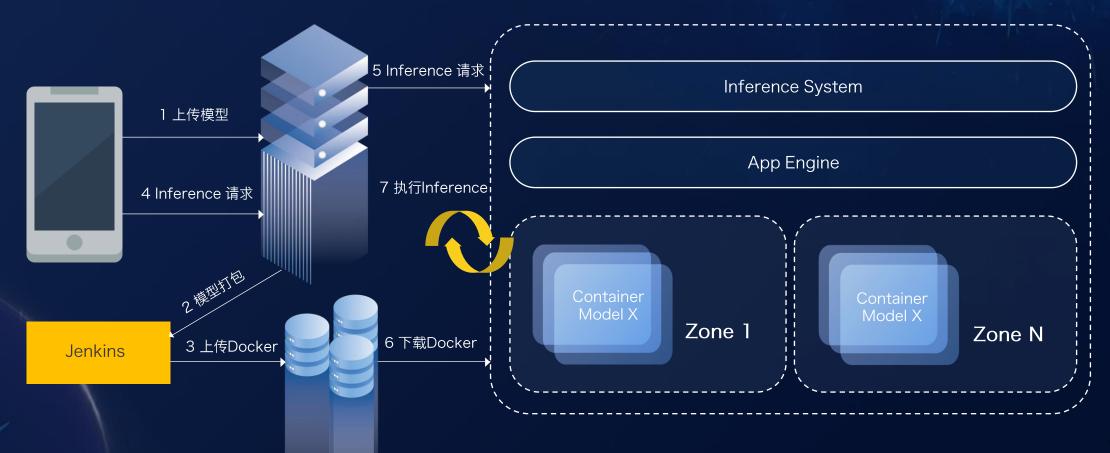
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https://github.com/ucloud/uai-sdk/

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THANKS