



CS4296 Group 3 EasyCloud

CS4296 Cloud Computing Group 3

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Agenda

1. Introduction

2. Decision Trees

3. API

4. Conclusion

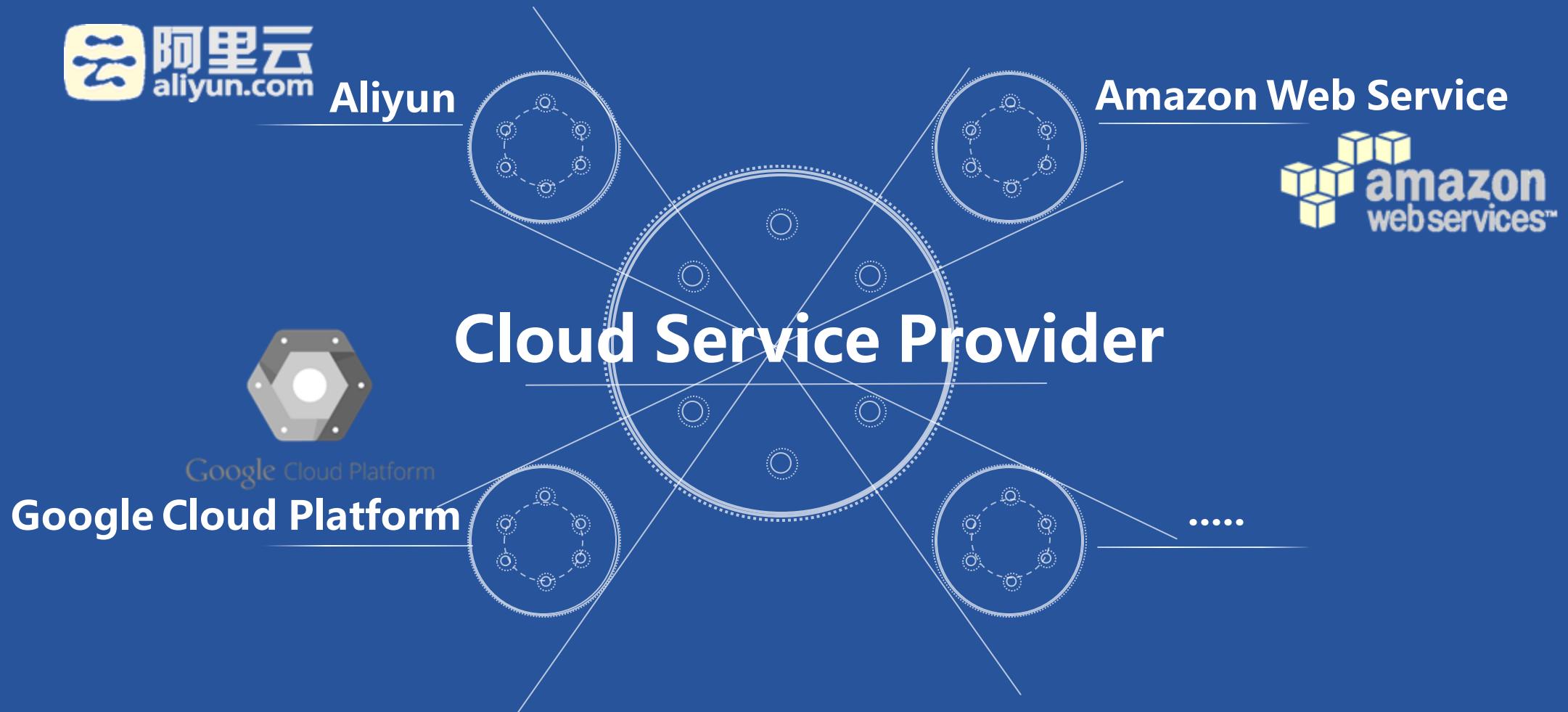


EasyCloud

Introduction

By WANG Yumeng Margaret

1 Introduction





A demo!

By Xu Yaohai Peter

EasyCloud



Agenda

1. Introduction



• 2. Decision Trees

3. API

4. Conclusion



Decision Trees

By MIDDHA Aman Deep

EasyCloud

2 Decision Trees

1

Dataset

2

Training Data and Testing data

3



4

Cross-Validation

2 Decision Trees



11
attributes



Stratified
sampling

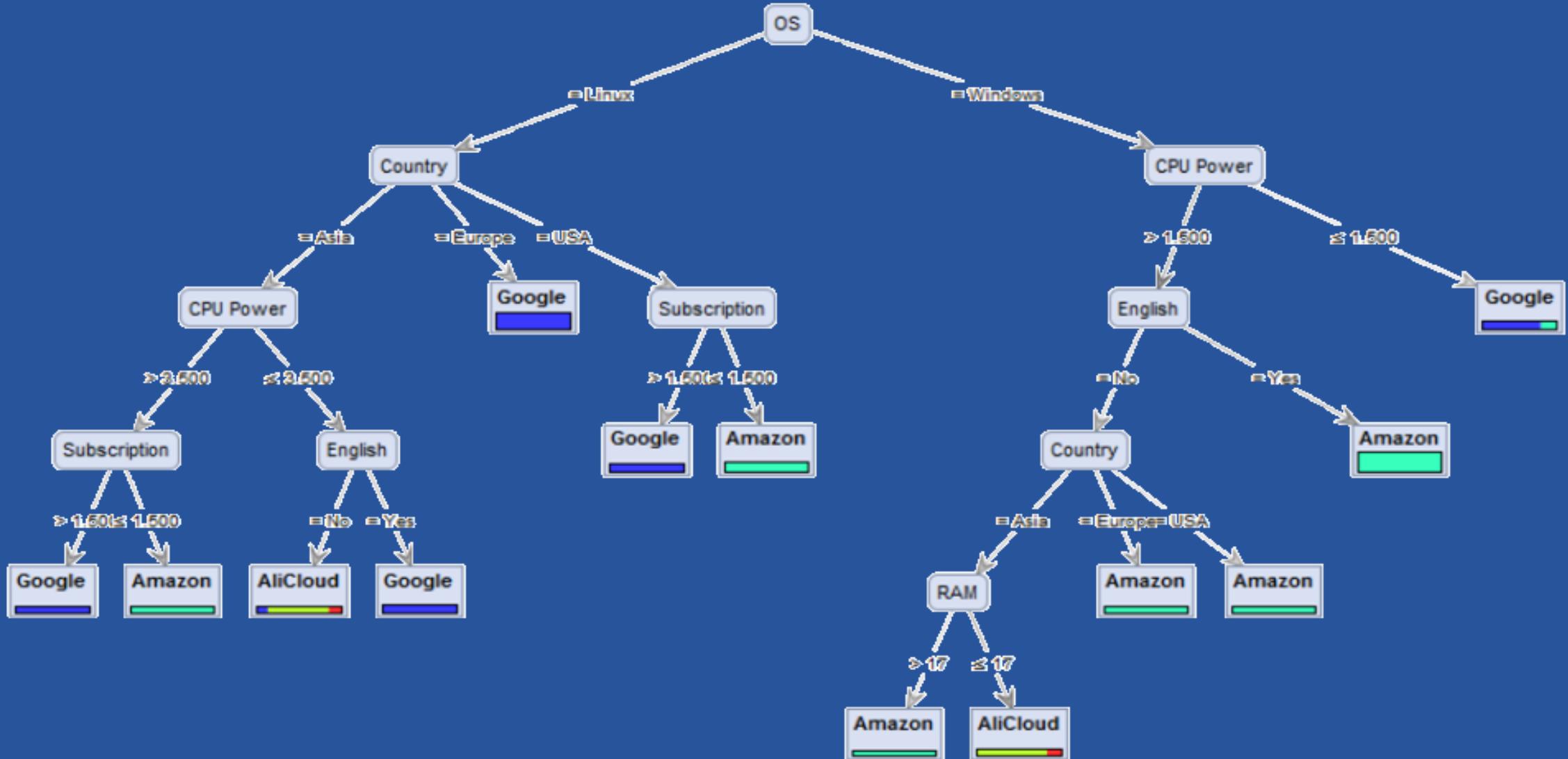


Gain
Ratio



Tree-
Pruning

2 Decision Trees





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API

By Ibrahim Mohammed

EasyCloud

3 API: Aliyun

Officially 4 language SDK:
Java, Python, PHP, C#

Other open source SDK



3 API: Aliyun JavaScript SDK

1

Economic

2

Not comprehensive documentation

3

Limited English Support

4

Open Source Buggy

5

Found two bugs and informed the Ali staff during development

商陆 (2016-04-09 15:17:32):

这是一个 bug，我修复一下。

商陆 (2016-04-09 15:17:37):

谢谢反馈

商陆 (2016-04-09 15:19:13):

改完了，你再更新一下。

AliCloud Staff:

This is a bug, wait me to fix it . Thanks for report.

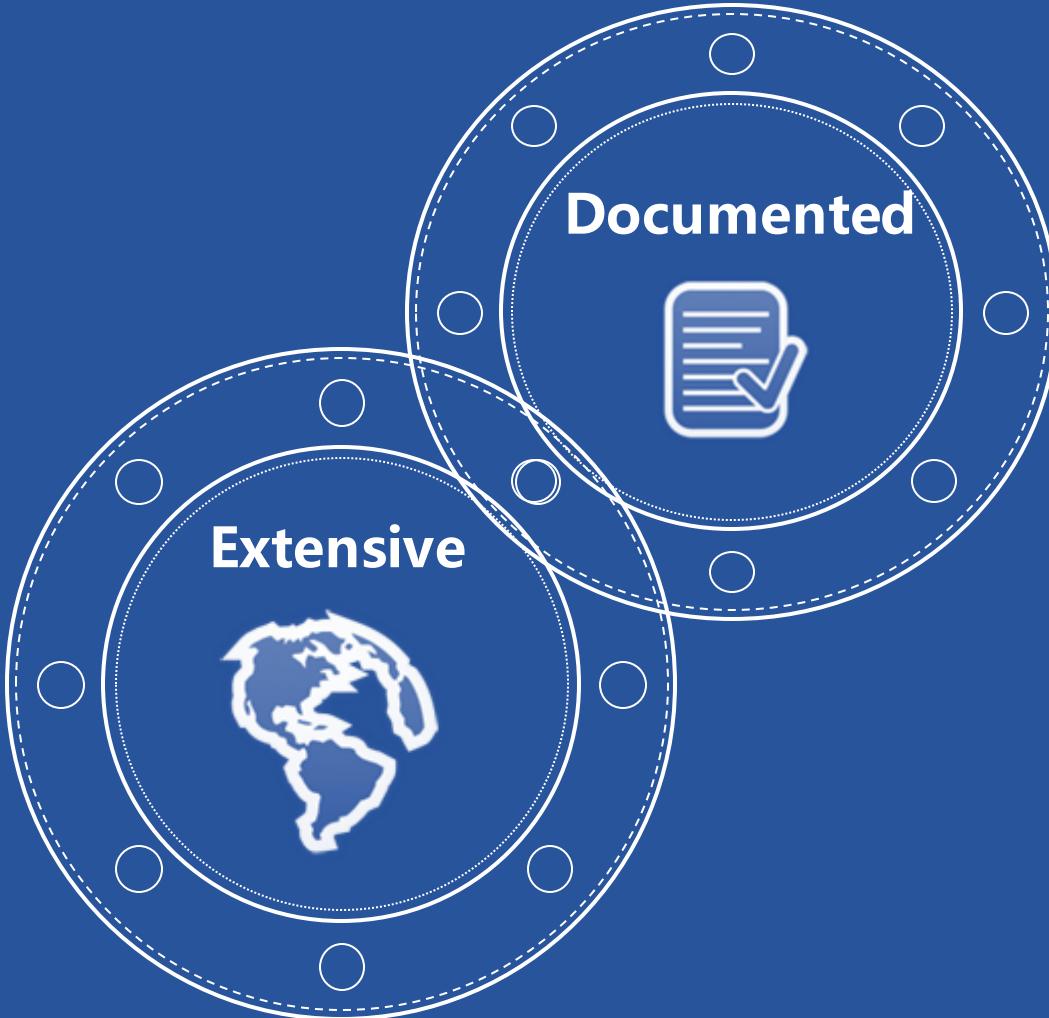
商陆 (2016-04-09 15:32:14):

可能后端有改动，不能跨域了
下周我问问他们

AliCloud Staff:

Maybe they changed the backend, I need to contact my colleagues.

3 API:



Simplifying using AWS services in your applications with an API tailored to your programming language or platform.

SDKs

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Amazon JavaScript SDK

Compatible with famous front-end package management tools: **Bower**

Asynchronous Callbacks (AJAX)

Supported by modern browsers

Google Chrome	28.0+	Microsoft Internet Explorer	10.0+
Mozilla Firefox	23.0+	Apple Safari	5.1+
Opera	17.0+	Android Browser	4.3+

3 API: Instance Life Cycle



Select Specifications

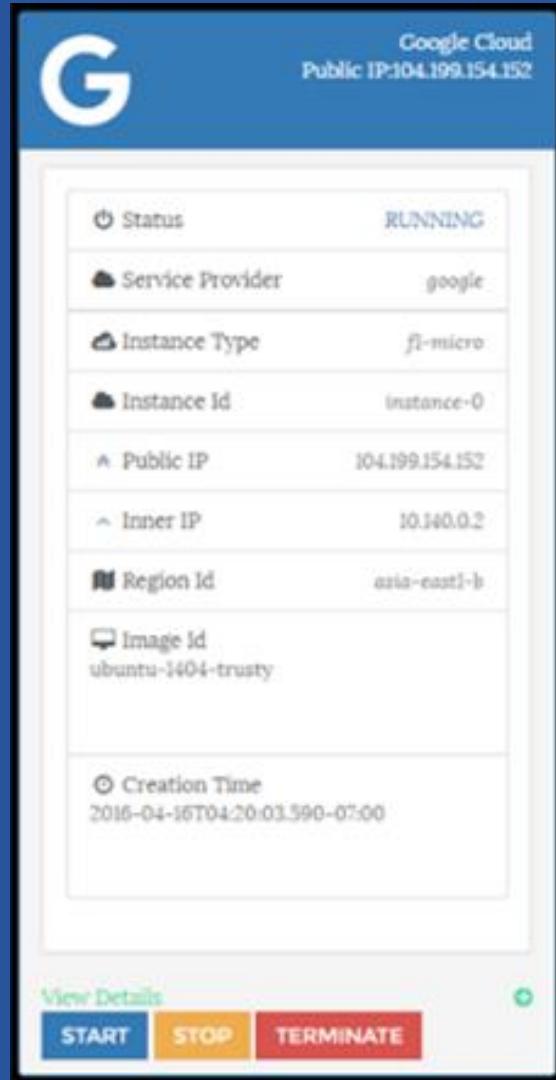


Enter Credentials



Create!

3 API: Instance Life Cycle



- 1 Check status of instance (Listeners - Asynchronous)
- 2 Check info of instance
- 3 Stop / Terminate Instance
- 4 Start Instance (if stopped)

3 API:



Google Cloud Platform

Community libraries

Library	Language(s)	Vendor	Website	Getting started on Compute Engine
libcloud	Python	Community	Website	Documentation
jclouds	Java, Clojure	Community	Website	Documentation
fog.io	Ruby	Community	Website	Documentation

Google API client libraries

Library	Language(s)	Vendor	Website	Getting started on Compute Engine
Google APIs Java Client Library	Java	Google	Website	Documentation
Google APIs .NET Client Library	.NET	Google	Website	Documentation
Google APIs Go Client Library	Go	Google	Website	Documentation
Google APIs JavaScript Client Library	Javascript	Google	Website	Documentation
Google APIs Ruby Client Library	Ruby	Google	Website	Documentation
Google APIs Node.js Client Library	Node.js	Google	Website	Documentation
Google API Objective C Client Library	Objective C	Google	Website	Documentation
Google API PHP Client Library	PHP	Google	Website	Documentation
Google API Python Client Library	Python	Google	Website	Documentation

Community Libraries

Official Google API Libraries

3 API:



Google Cloud Platform

JavaScript Client Library – Authentication

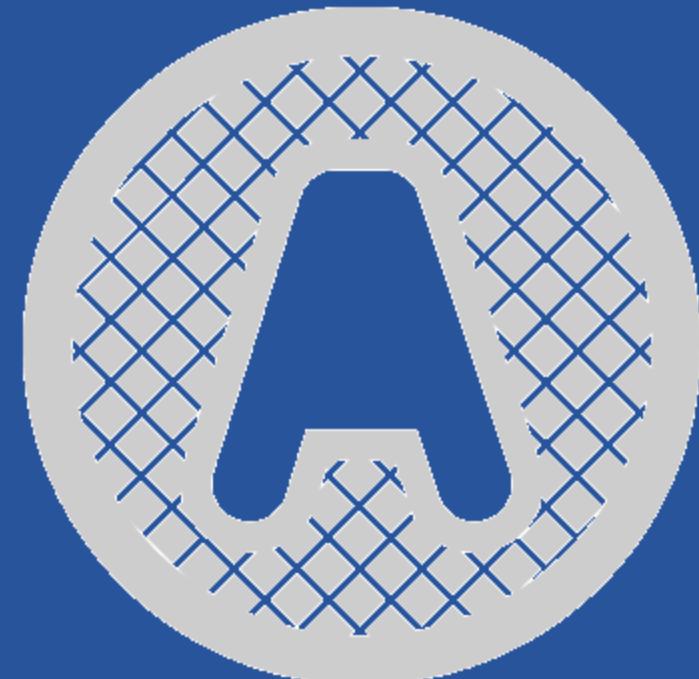
**Only acknowledges authentication
message sent from server**

Must be deployed on server

Authentication through OAuth 2.0

Project Key

Client Key



3 API: Creating an instance

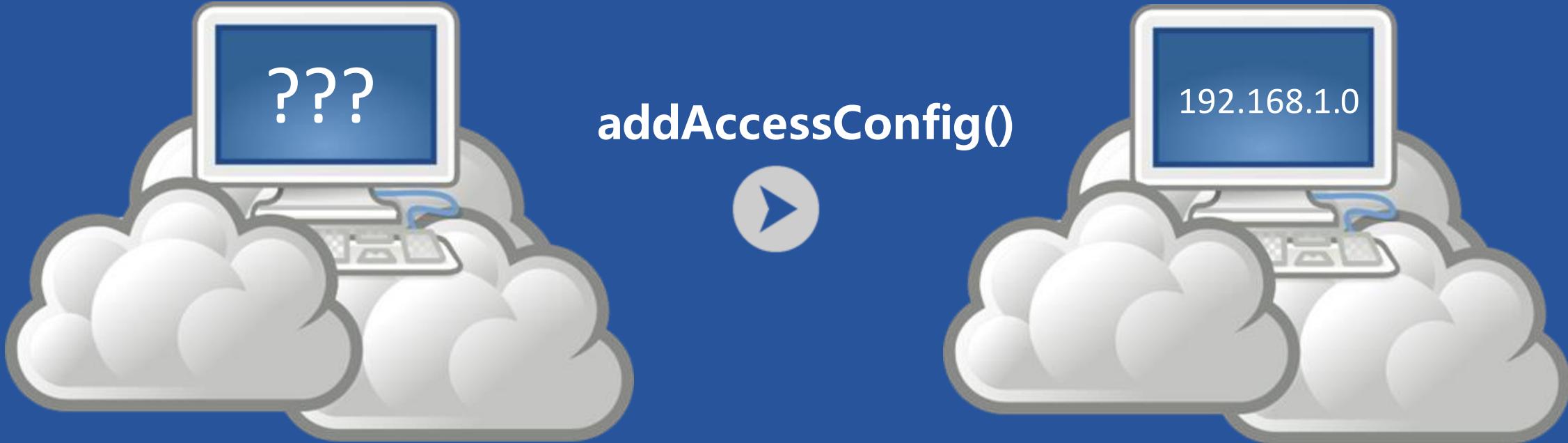


1.Create a disk



2.Create an instance

3 API: Creating Public IP





4

Conclusion

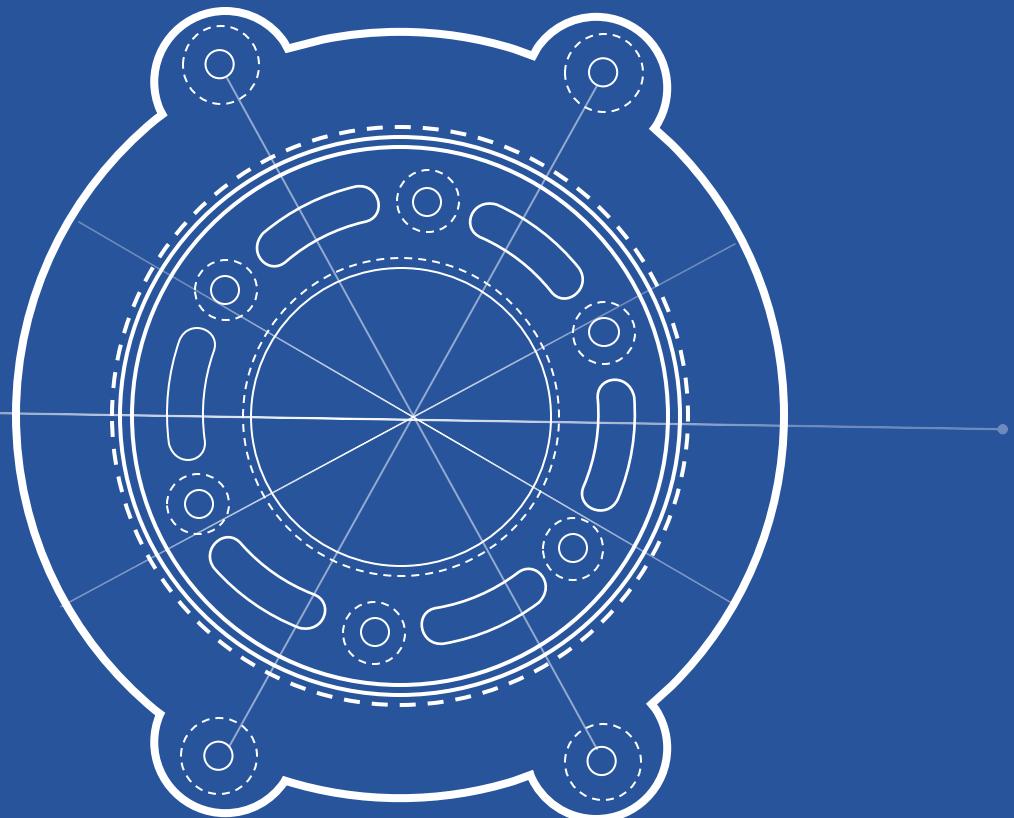
By Chen Haoyuan Tom

2016 PLAN

4 Future Improvement

- 1 **Using session, cookie or other server-side techniques to enrich the user experience of the user.**
- 2 **Enhance the quantity and quality of training data. To improve the recommendation system.**
- 3 **Security Issue.**
- 4 **Provide more operation to the instance.**
- 5 **Add more cloud service providers to the system.**

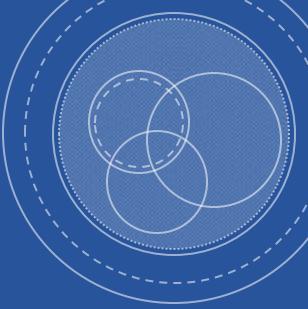
4 Conclusion



**EasyCloud try to provide
Effective
Cost saving
Easy-to-get-start
service.**



Thanks for listening 😊





Q&A