#### SPRING CLOUD \*

DISCOVERY AND CONFIG SYSTEMS COMPARISON SPENCER GIBB

https://github.com/spencergibb/spring-cloud-star http://spencer.gibb.us



# Pivoto Edile

### CLOUDFQUNDRY















#### SERVICE REGISTRATION É DISCOVERY



SERVICE

SERVICE



#### DISCOULTER

- C @EnableDiscoveryClient
- C ServiceInstance si =
   discoveryClient.choose("serviceId")
- CRestTemplate
- C @FeignClient



#### DISTRIBUTED CONFIGURATION

CONFIG

SERVICE

2 FACTOR APPS
HTTP://12FACTOR.NET

SERVICE B



### CONTEXTLIFECYCLE

SERVICE A



REGULAR APPLICATION CONTEXT



BOOTSTRAP APPLICATION CONTEXT





#### EMICARION

- C @ConfigurationProperties
- C @Value
- C Environment



## SPRING CLOUD CONFIG SERVER

CGREENFIELD

CHTTP API SIMILAR TO NETFLIX CONFIG SERVER

CBACKED BY VCS: GIT,
SVN

CSTATELESS

C@RefreshScope

COUSES SPRING-BOOT CONFIGURATION FILES & SERNANTICSAUTO-CONFIGURED CLIENT

CREFRESH WIA BUS

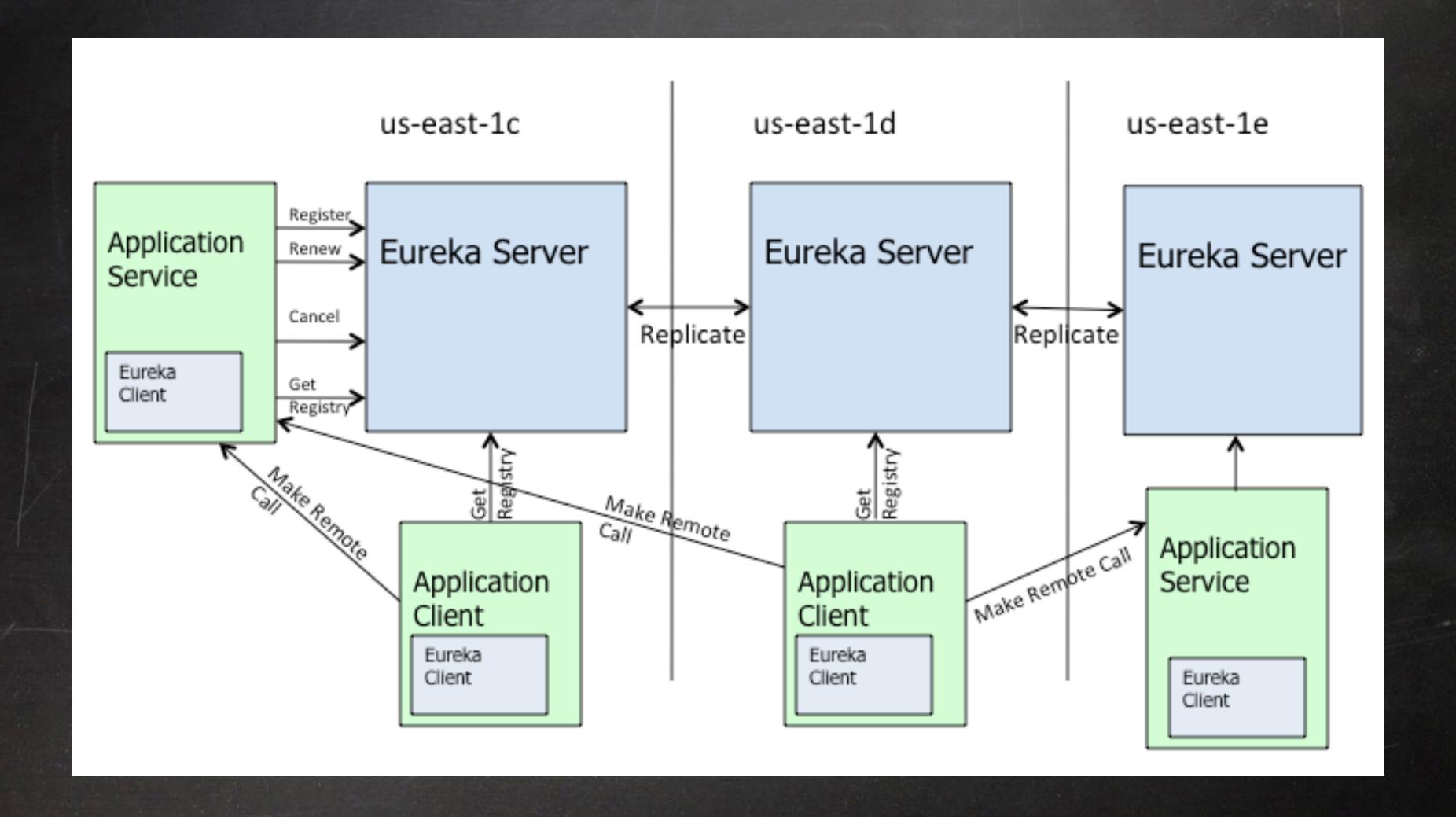
CWEBHOOK SUPPORT FOR GITHUB, GITLAB AND BITBUCKET







# TETEL X EVEL A





#### EURENA PROS

- C HIGHLY-AVAILABLE
- CMATURE / PROVEMBY NETFLIX
- CITIGHT RIBBON INTEGRATION



#### EURENA CONS

CIVIN BASED

CTHICK JAVA CLIENT

CPOLYGLOT BY SIDECAR

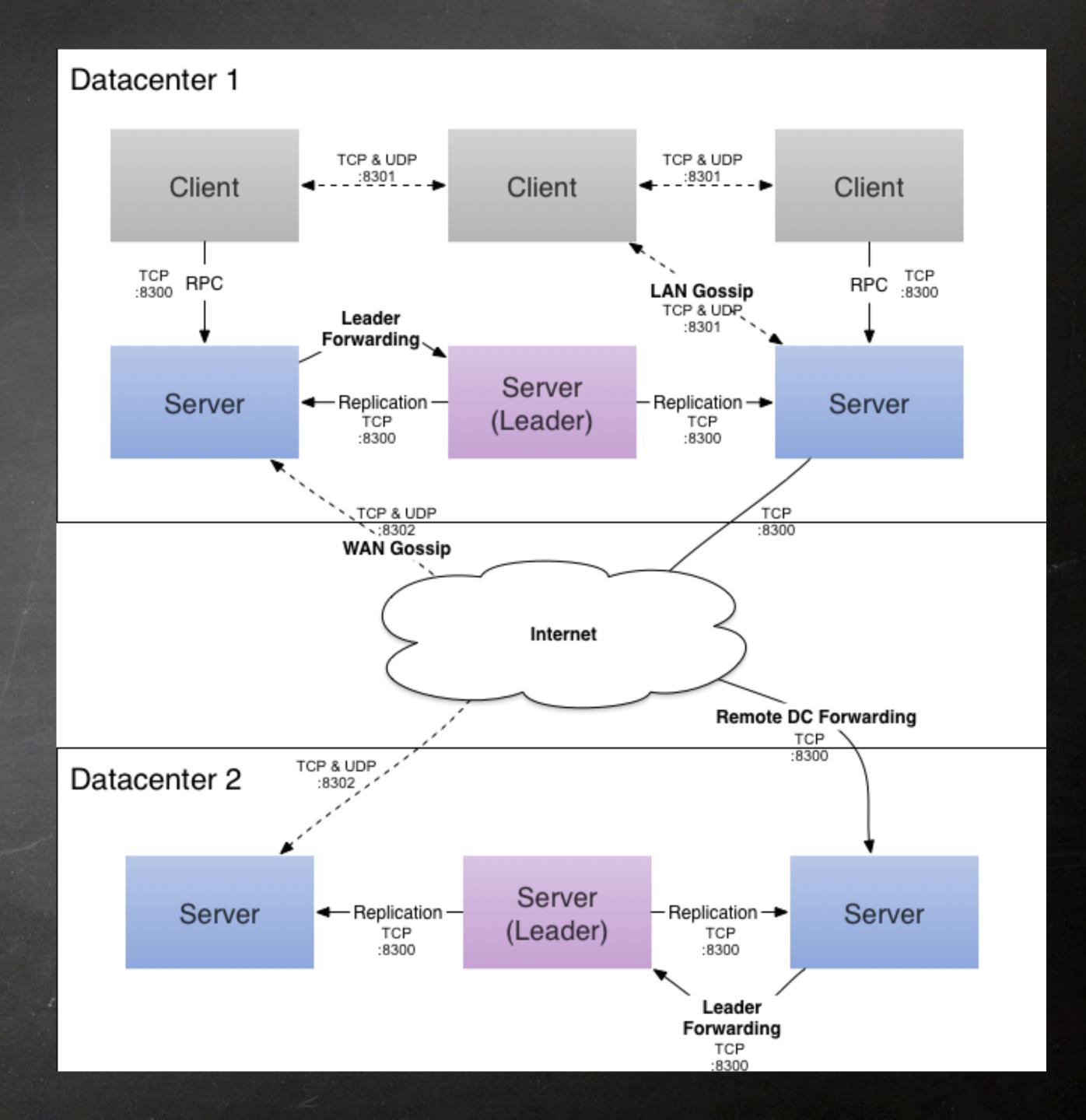
CBUILT FOR AWS MITIALLY

C LONG THRESHOLDS FOR REGISTRAION AND CACHE REFRESH (305)



#### 

#### (HASHICORP\*\*





#### COMSUL PROS

CPOLYGLOT

CHTTP API AND DNS WTERFACE

CACL'S

CHEALTH CHECKS

CAMULTI-DATACEMTER

CVAULT INTEGRATION

CYANNL AND
PROPERTIES BLOBS
SUPPORTED

CPEER-TO-PEER
GOSSIP SYSTEM

CNICEUI



#### COASIA COAS

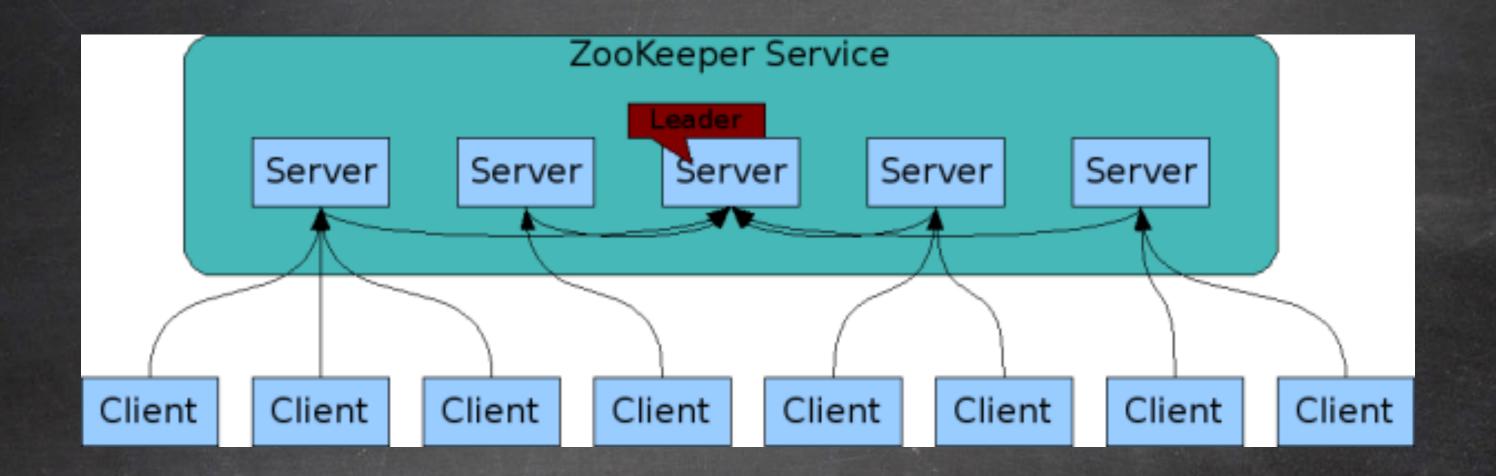
CYOUNG CAGENT ON EVERY HOST







#### ZOOKEEDER







#### ZOOKEEPER PROS

C CONSISTENT STORE

CSTARTED LIFE AS A
HADOOP SUB-PROJECT
(2007?)

CMATURE, USED IN MAMY COMPANIES CUSEFUL IF ZK IS ALREADY
PART OF YOUR
INFRASTRUCTURE

CEPHENNERAL NODES /
PERSISTENT
CONNECTIONS

CIUSES APACHE CURATOR
AND ITS SERVICE
DISCOVERY RECIPE



#### ZOOKEFPER CONS

CSCALE ISSUES

COPSHEADACHES

CNEEDS MANAGEMENT PROCESS LIKE NETFLIX EXHIBITOR

OPERSISTEMT COMMECTIONS



### HONORABLE MENTION

CSPRING CLOUD CLOUDFOUNDRY

CSPRING CLOUD ETCD (EXPERIMENTAL)

CAIRBNB SMART STACK

http://nerds.airbnb.com/smartstack-service-discovery-cloud/

CUBER HYPERBAHN

https://youtu.be/N2472uS5Y6M - https://github.com/uber/hyperbahn



## 

# Pivotol<sub>®</sub>

PIVOTAL IS HIRING
IN ATLANTA
HTTP://PIVOTAL.IO/CAREERS

https://github.com/spencergibb/spring-cloud-star
http://spencer.gibb.us

@spencerbgibb