



Couchbase-as-a-Service with Openshift and Sorint

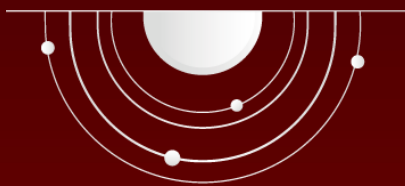
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[Cargo ponente]
Sorint

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Solution Engineer
Couchbase

Índice

- 01.** Modernización y Desafíos
- 02.** Couchbase Autonomous Operator

01. Modernización y Desafíos



01. Modernización

Sorint.Lab

Next Generation System Integrator
providing consultancy and services to accelerate
Digital Transformation.

Focused on:

System integration - Data Integration
Enterprise Architecture Integration
Application Integration - IT Operations
Integration

to add **innovation, flexibility and agility**
to customers digital business.

01. Modernización

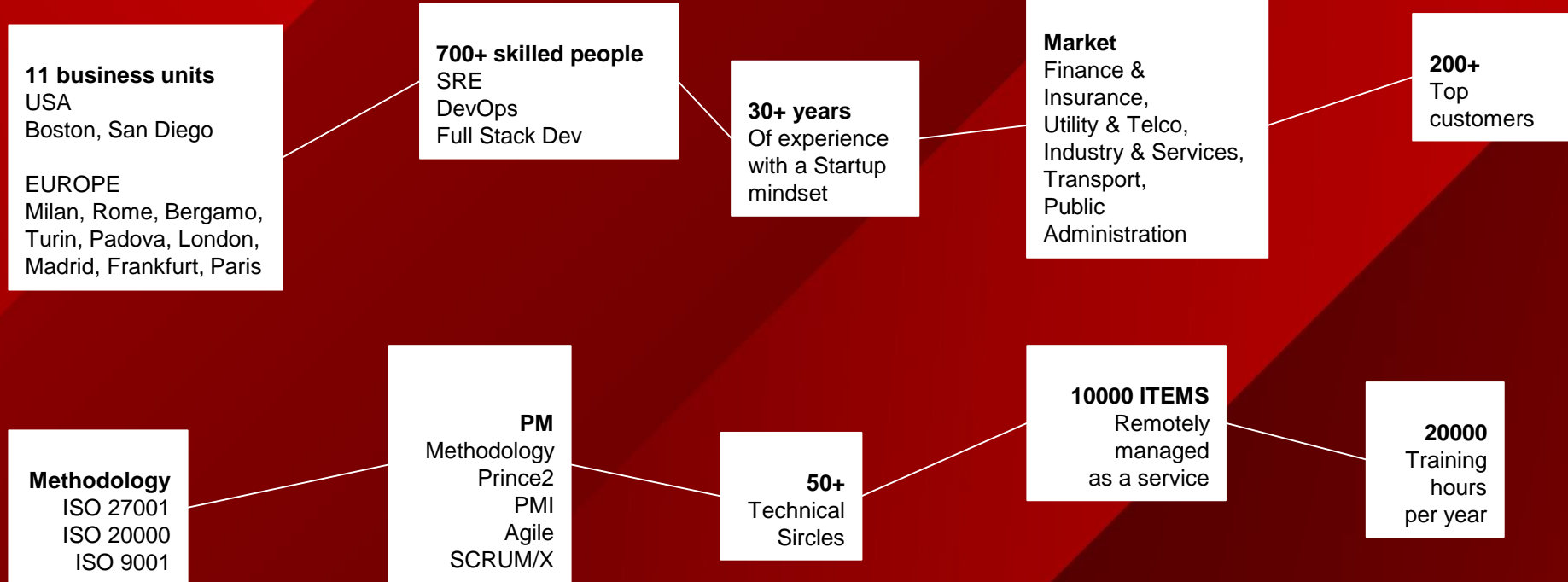
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- | Boston

01. Modernización

Sorint.Lab



01. Modernización

Razonamiento

Por qué, para qué ?

01. Modernización

Cambios

Lo que supone ...

01. Modernización

Beneficios

Qué deberíamos o esperar?

01. Modernización

Desafíos

Fácil de decir, no tanto de hacer

01. Modernización

Desafíos

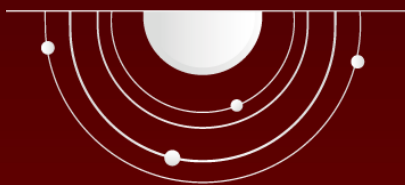
Aplicaciones con estado...

01. Modernización

Sorint's way

Reduciendo las barreras...

02. Couchbase Autonomous Operator



COUCHBASE at a glance

Who we are

Created 2011

+150M in funding

Mayfield

ACCEL
PARTNERS

ignition

NORTH BRIDGE
venture partners

ADAMS STREET
PARTNERS

WEST SUMMIT CAPITAL

SORENSEN
CAPITAL

Key locations

- HQ: Mountain View, CA
- San Francisco, London, Manchester, Paris, Bangalore
- US (various locations), Germany, Spain, Sweden, Israel, Australia
- Headcount: 370+

What we do

- Help customers drive their digital transformation initiatives
- Massively Interactive Database built on the most powerful NoSQL technology
- Subscription-based enterprise software company built on open source foundation

Customers



TESCO



Marriott

AMADEUS

ebay

AT&T

WELLS
FARGO

01. Couchbase Autonomous Operator

Couchbase introduction

Couchbase Data Platform

Core Database Engine

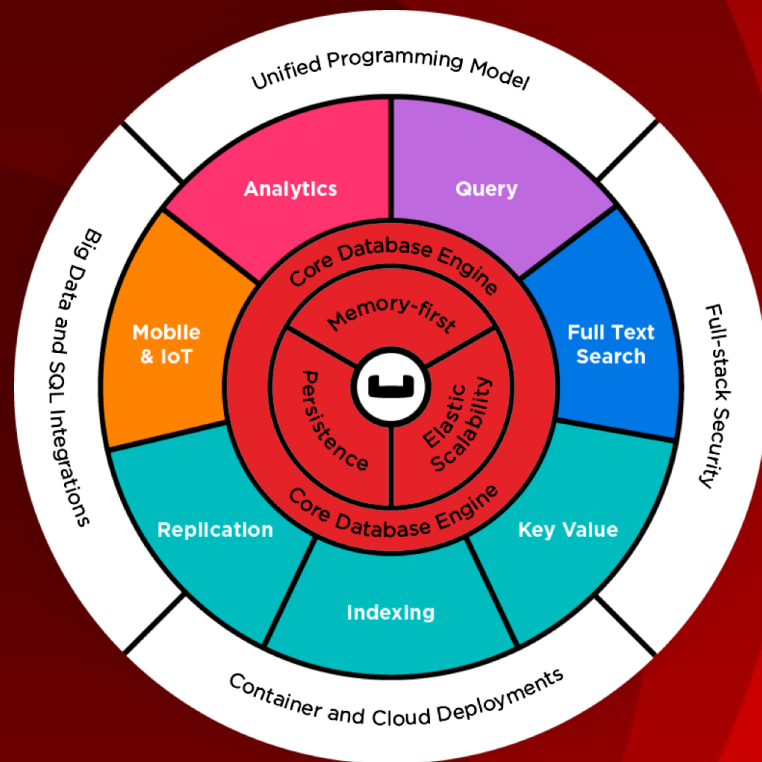
- Memory-first
- Persistence
- Elastic Scalability

Cross stack

- Unified Programming Model
- Big Data and SQL Integrations
- Container and Cloud deployments
- Full-Stack Security

Services and features

- Key Value
- Replication
- Indexing
- Mobile
- Query
- Full Text Search
- Analytics



Develop with agility
Deploy at any scale

01. Couchbase Autonomous Operator

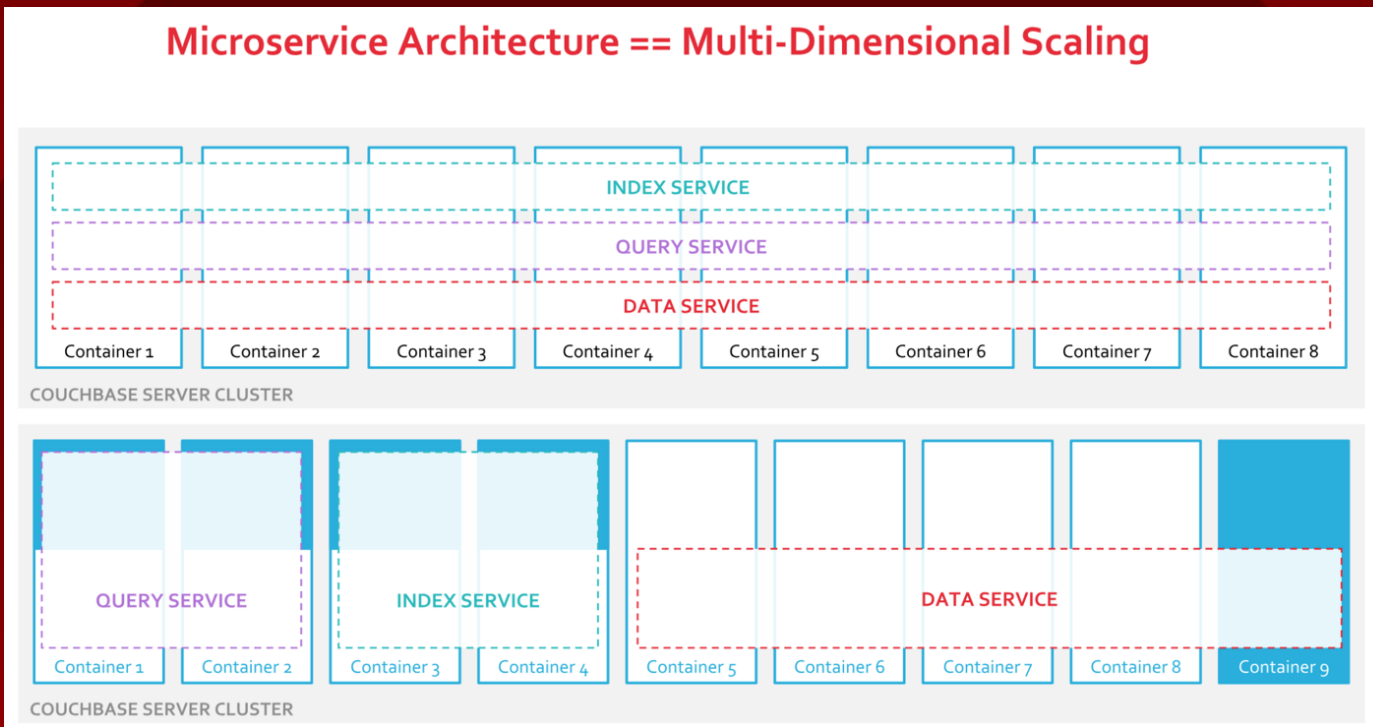
Couchbase introduction

| Apple | | GANNETT | | LinkedIn | | PayPal | |
|--|------------------------------|--|------------------------------------|--|-------------------------------------|---|----------------|
| 1 billion+ user profiles 7 DCs, 740 nodes 300K reads, 20K writes/sec | | 50M Unique monthly visitors 2.5B monthly page views | | 2821 nodes, 100+ clusters 16M entries every 5 min 2.5 million ops/sec. | | 1 billion+ documents 10TB+ data Sub-200ms response time | |
| E-Commerce | Travel | Gaming | Digital Health | Financial Svcs. | Communications | Digital Media | Industrial IoT |
| | | | | | | | |
| 3 of the top 10 eCommerce Companies | 3 of the top 3 GDS Companies | 6 of the top 10 Online Casino Gaming Companies | 3 Fortune 500 Healthcare Companies | 3 of the top 3 Credit Reporting Companies | 6 of the top 10 Broadcast Companies | 2 of the top 2 IoT Platforms | |

02. Couchbase Autonomous Operator

Couchbase designed for containerized applications

Microservice Architecture == Multi-Dimensional Scaling



02. Couchbase Autonomous Operator

Couchbase – Red Hat partnership



Couchbase

START A REVOLUTION



RED HAT®
OPENSIFT
Container Platform

Couchbase is the first NoSQL vendor with native integration with Kubernetes Operator

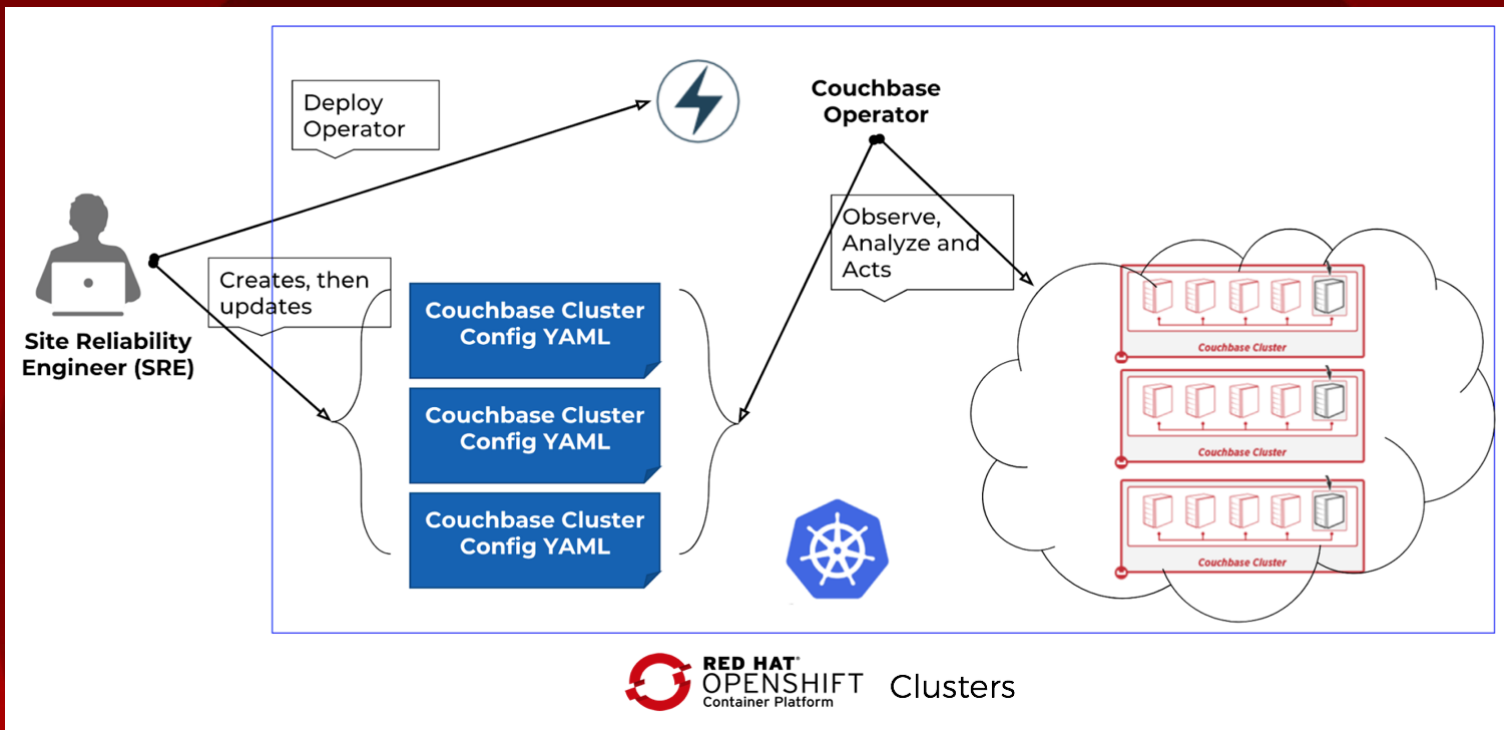
Launch partner for “Operators on Red Hat OpenShift Container Platform”

Run stateful business critical applications for the Enterprise

- Hybrid and cross-cloud portability (no lock-in)
- Automated operational best practices (no downtime)
- Elastic scaling (push-button dynamic scaling)

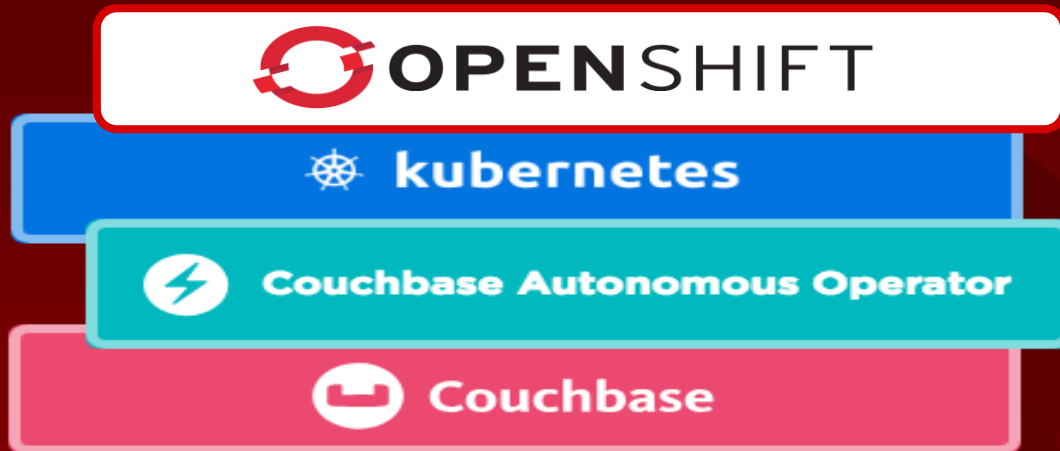
02. Couchbase Autonomous Operator

Architecture



02. Couchbase Autonomous Operator

Architecture

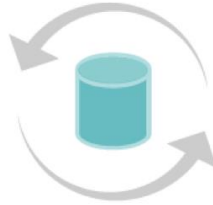


02. Couchbase Autonomous Operator

Features



Auto Provisioning



Auto-Recovery



Geo-Distribution



Centralized Management



Persistent Storage



Supportability Features

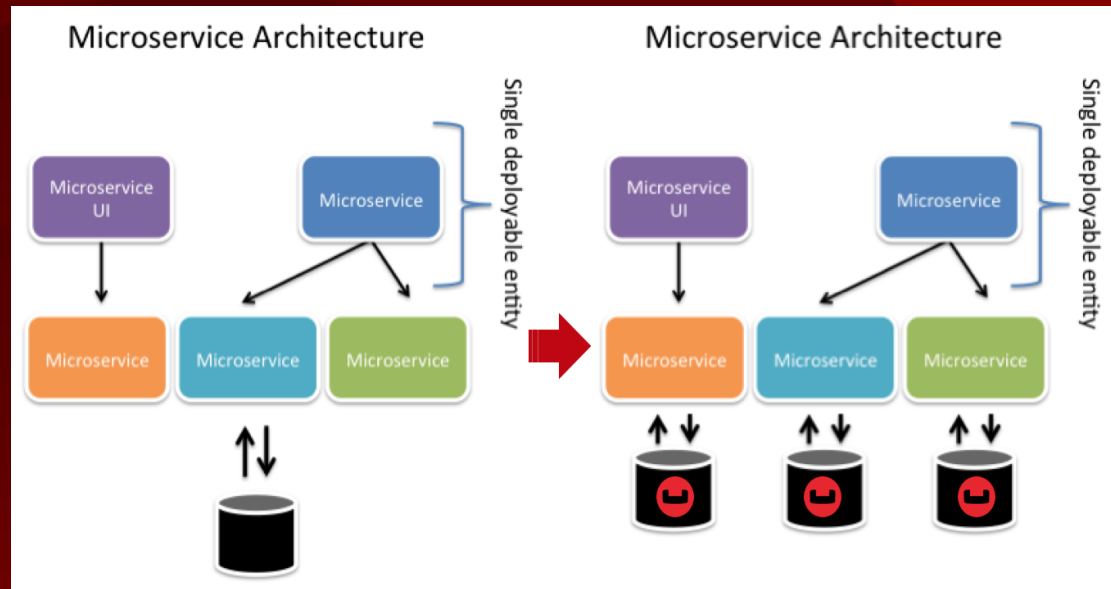
02. Couchbase Autonomous Operator

Key benefits

1 Faster Innovation

Run and Manage Couchbase on **Microservices** Architecture

Reduce your DevOps workload by running the Couchbase Data Platform as an autonomous, fully managed stateful database application next to your microservices applications on the same Kubernetes platform.



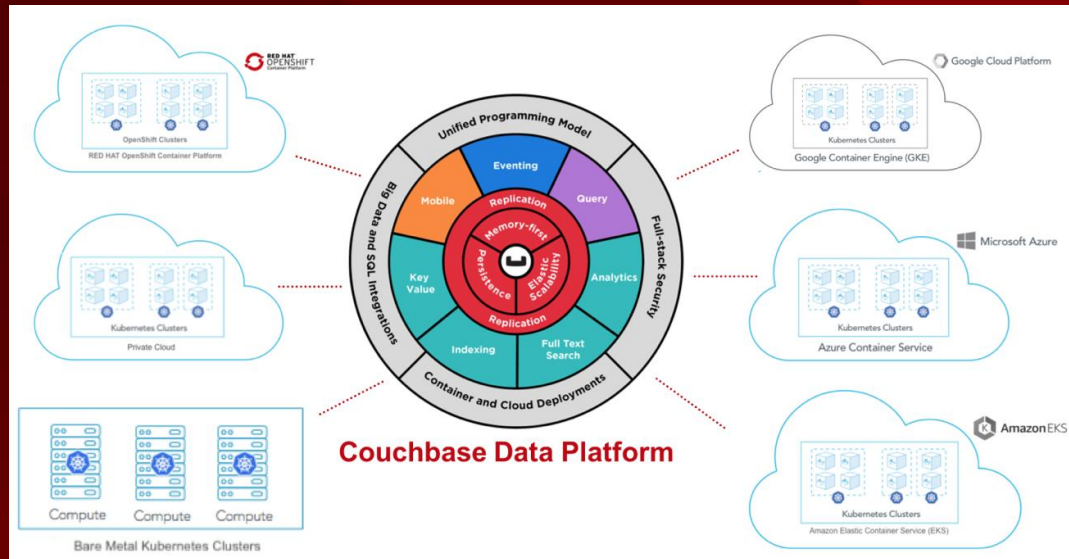
02. Couchbase Autonomous Operator

Key benefits

2 Infrastructure and Cloud Agnostic

Hybrid Cloud and Multi-Cloud Strategy

Provides a cloud-agnostic application deployment and management platform so we treat cloud providers almost like a commodity, as you will be able to deploy and migrate freely between them.



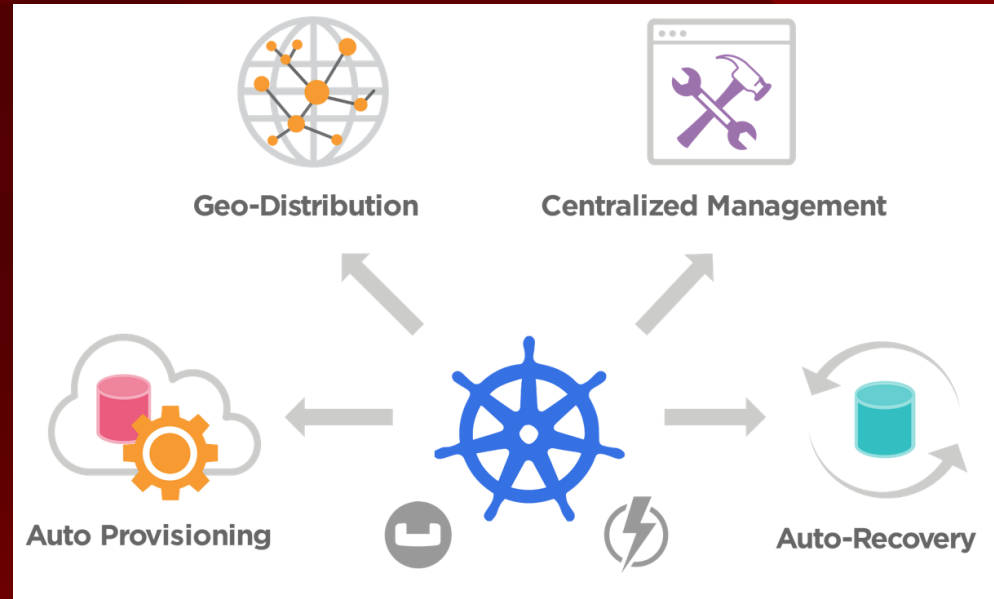
02. Couchbase Autonomous Operator

Key benefits

3 Ease of Management

Automated Operational Best Practices

Provides automated operational best practices to efficiently deploy and manage Couchbase Data Platform, reducing up to 95% of the operational complexity.



02. Couchbase Autonomous Operator

Great customer feedback



*The Couchbase Autonomous Operator for Kubernetes is a **marvelous addition to the Couchbase ecosystem**, reducing our **IT administration overhead by at least 80%**. It sets the bar for all other clustered databases in any cloud environment.*



Jean Philippe Courson DevOps Team Lead at Callsign - *I finally got a chance to try out the Couchbase operator. As a general comment, you guys did a great job.*



Thanks for the update. This is exciting!



Brilliant work!! We initially thought it was just deploying but you guys truly made it autonomous



Abbas Ahmed @solutionguy · Apr 25

Literally in love with the way #Couchbase #kubernetes operator scales the cluster up and down, brilliant piece of work ! @couchbase @perrykrug @Czajkowski @deniswsrosa



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Muchas gracias

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