



## CockroachDB: Cloud-native distributed SQL Database

Giving all of your apps effortless scale, bulletproof resilience and low latency performance for users anywhere.

### Red Hat Software Partner



- ▶ Truly elastic architecture for effortless growth
- ▶ Indestructible data for business-critical apps
- ▶ Low-latency performance for customers across the globe

*"Our team chose CockroachDB deployed on Red Hat OpenShift to orchestrate everything using Kubernetes. The seamless integration allowed our services to be spun up as needed and closed down when not in use."*

**Stephen Boyd**  
IT Architect, Electrical  
Training Alliance



facebook.com/redhatinc  
@RedHat  
linkedin.com/company/red-hat

redhat.com

### Never worry about your database again

**The reality of today.** Data is the lifeblood of the digital economy and it powers the always-on, personalized experiences that today's customers expect, no matter where they are. While companies have been rapidly evolving to new ways of delivering value, the database has remained largely unchanged. The cloud promised us scale. Yet scaling data has remained largely a manual task. With extensive manual sharding, duct-taped workarounds, and complex configurations. Maintaining transaction consistency has become more complicated with deployments across multiple environments—from on-prem to hybrid to multi-cloud.

**The way we solve it.** Cockroach Labs re-wrote the database from scratch for the demands of today's data-driven world. And we architected it to scale elastically, so it's prepared to handle the demands of tomorrow. Cockroach Labs helps you build and scale apps with fewer obstacles, more freedom, and greater efficiency.

CockroachDB was created to be the most highly evolved, cloud-native, distributed SQL database on the planet. Making scale so simple, you don't even have to think about it. Making data so resilient, it becomes impossible to destroy. Making delivery so seamless, your apps run anywhere. Discover a different breed of database—one born in the cloud and built from the ground up to help companies of any size scale fast, survive disaster, and thrive everywhere.

### Scale fast. Survive disaster. Thrive everywhere.

**Scalability.** CockroachDB dramatically reduces the complexity of building and scaling apps. CockroachDB can handle whatever you—or your users—throw at it by automatically distributing data and workload demand. Add new features and expand services with confidence. Quickly adapt to changing customer requirements knowing your database will adjust, instantly. Eliminate complex schema configurations, manual workarounds, and data sharding—forever.

**Resiliency.** CockroachDB is purpose-built to handle unpredictability. Heavy workloads. Power surges. Natural disasters. We ensure you avoid outages and downtime. Never sacrificing your data's integrity. Always committing consistent transactions. CockroachDB is ACID-compliant, delivering next-level consistency and transaction durability you can trust—in any environment. At local and global scale.

**Locality.** CockroachDB's built-in data locality means your apps deliver peak performance for regional and global deployments alike. A simple, revolutionary feature, called geo-partitioning, allows you to "tag" data by location. You seamlessly control which nodes house data with row-level specificity. This counters latency issues and safeguards your business against ever-changing data privacy laws. With data locking to ensure regulatory compliance. With Cockroach Labs' cloud-native, Kubernetes-friendly architecture, you can deploy your database anywhere. Without being tied to a single vendor or tech stack. For on-prem, hybrid, or multi-cloud deployments—you can choose to build and expand the database infrastructure that works best for your business.

*"The partnership between Cockroach Labs and Red Hat allows customers to grow their business in cloud-native infrastructure. As a distributed database, CockroachDB has the same shared-nothing architecture as Kubernetes, offering customers seamless deployment in OpenShift environments."*

**Keith McClellan**  
Director, Partner  
Solutions Engineering

## Capabilities Overview

### Scale fast

- ▶ Familiar SQL, wire compatible with PostgreSQL
- ▶ Database cluster that is comprised of nodes that appear as a single logical database
- ▶ Serializable isolation for data integrity
- ▶ Every node accepts reads & writes so you also scale transactional volume
- ▶ Deployable across regions and clouds, while delivering a single logical database

### Survive anything

- ▶ Always-on with zero RPO
- ▶ Allows for no downtime rolling upgrades
- ▶ Online schema changes

### Thrive everywhere

- ▶ Ties each row to a physical location based on data within each record
- ▶ Reduces read/write latencies
- ▶ Complies with regulations
- ▶ Ensure customer data privacy

## Learn more

Company: Cockroach Labs    Email: [sales@cockroachlabs.com](mailto:sales@cockroachlabs.com)    [www.cockroachlabs.com](http://www.cockroachlabs.com)



Technology Partner



Certified Technology



[facebook.com/redhatinc](https://facebook.com/redhatinc)  
[@RedHat](https://twitter.com/RedHat)  
[linkedin.com/company/red-hat](https://linkedin.com/company/red-hat)

[redhat.com](https://redhat.com)

### About Cockroach Labs

Cockroach Labs is the creator of CockroachDB, the most highly evolved cloud-native, distributed SQL database on the planet. Helping companies of all sizes – and the apps they develop – to scale fast, survive anything, and thrive everywhere. CockroachDB is in use at some of the world's largest enterprises across all industries.

### About Red Hat

Red Hat is the world's leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high-performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers integrate new and existing IT applications, develop cloud-native applications, standardize on our industry-leading operating system, and automate, secure, and manage complex environments. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500. As a strategic partner to cloud providers, system integrators, application vendors, customers, and open source communities, Red Hat can help organizations prepare for the digital future.

**North America**  
1 888 REDHAT1  
[www.redhat.com](http://www.redhat.com)

**Europe, Middle East,  
and Africa**  
00800 7334 2835  
[europe@redhat.com](mailto:europe@redhat.com)

**Asia Pacific**  
+65 6490 4200  
[apac@redhat.com](mailto:apac@redhat.com)

**Latin America**  
+54 11 4329 7300  
[info-latam@redhat.com](mailto:info-latam@redhat.com)