

# Compare CockroachDB features



	CockroachDB-as-a-service		Self-hosted	
	Serverless	Dedicated	Self-hosted	Core
<b>Distributed features</b>				
PostgreSQL wire compatibility	✓	✓	✓	✓
Relational Data Model	✓	✓	✓	✓
Guaranteed ACID transactions	✓	✓	✓	✓
Distributed transaction execution	✓	✓	✓	✓
Native JSON support	✓	✓	✓	✓
Spatial data types	✓	✓	✓	✓
Row-level TTL	✓	✓	✓	✓
Online, active dynamic schema changes	✓	✓	✓	✓
Query observability	✓	✓	✓	✓
Follower Reads	✓	✓	✓	✓
Parallel commits	✓	✓	✓	✓
Index analysis tools	✓	✓	✓	✓
Cost-based optimizer	✓	✓	✓	✓
Quality of Service (QoS)	✓	✓	✓	✓
ORM support	✓	✓	✓	✓
<b>Data lifecycle management &amp; deployment</b>				
Node-based scale		✓	✓	✓
Auto-scale	✓			
Intelligent data distribution	✓	✓	✓	✓
Multi-active availability	✓	✓	✓	✓
Multi-region deployments	✓	✓	✓	✓
Multi-cloud deployments			✓	✓
Geo-partitioning and data replication	✓	✓	✓	✓
Distributed backup/restore	✓	✓	✓	✓
Incremental backups and revision history		✓	✓	
Archival-partitioning	✓	✓	✓	

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<b>Database management</b>				
Database Monitoring	✓	✓	✓	✓
CockroachDB Cloud Console	✓	✓	✓	
REST and CLI management interface	✓	✓		
Automatic upgrades	✓	✓	✓	✓
Grafana and Prometheus integration		✓	✓	✓
Scheduled backups	✓	✓	✓	✓
<b>Integration</b>				
SQL export	✓	✓	✓	✓
SQL import	✓	✓	✓	✓
SQL-based non-distributed change data capture	✓	✓	✓	✓
Distributed change data capture	✓	✓	✓	
<b>Security and data protection</b>				
Role-based access control	✓	✓	✓	✓
Encrypted data in motion	✓	✓	✓	✓
Encryption at rest	✓	✓	✓	
Customer Managed Encryption Keys (CMEK)		✓	Self-managed	
Infrastructure-level encryption	✓	✓	✓	
Kerberos authentication		✓	✓	
Client certificate-based authentication		✓	✓	
Enterprise-level uptime SLAs	✓	✓	✓	
Email-based alerts	✓	✓	✓	
Single Sign-On	✓	✓	✓	
SOC 2 certified	✓	✓	✓	
PCI-DSS certified		✓	✓	
HIPAA-ready		✓	✓	
ISO certified	✓	✓	✓	

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<b>Managed cluster</b>				
Hardware provisioning	✓	✓		
Managed cluster configuration	✓	✓		
Automated managed upgrades	✓	✓		
Automated managed backups	✓	✓		
Private Connectivity	✓	✓		
SRE Monitoring	✓	✓		
<b>Support</b>				
Community Slack	✓	✓	✓	✓
Community forum	✓	✓	✓	✓
Priority support	✓	✓	✓	
Customer success manager	✓	✓	✓	