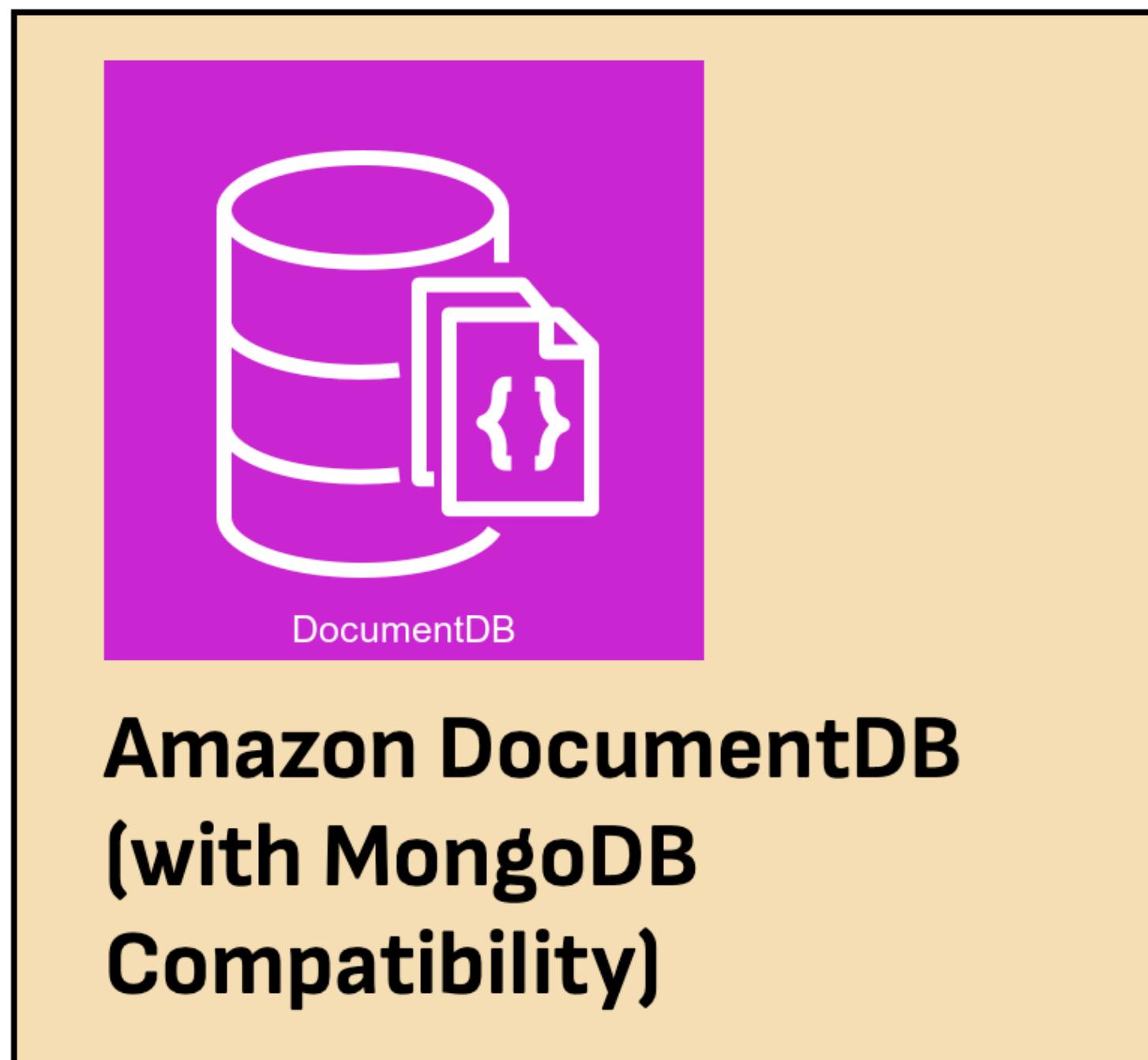


# Amazon DocumentDB (with MongoDB Compatibility)

# Table of Contents



- 1. What is Amazon DocumentDB?
- 2. High-level features
- 3. Clusters
- 4. Instances
- 5. How it works?
- 6. 3 Type of Endpoints
- 7. Replica set mode

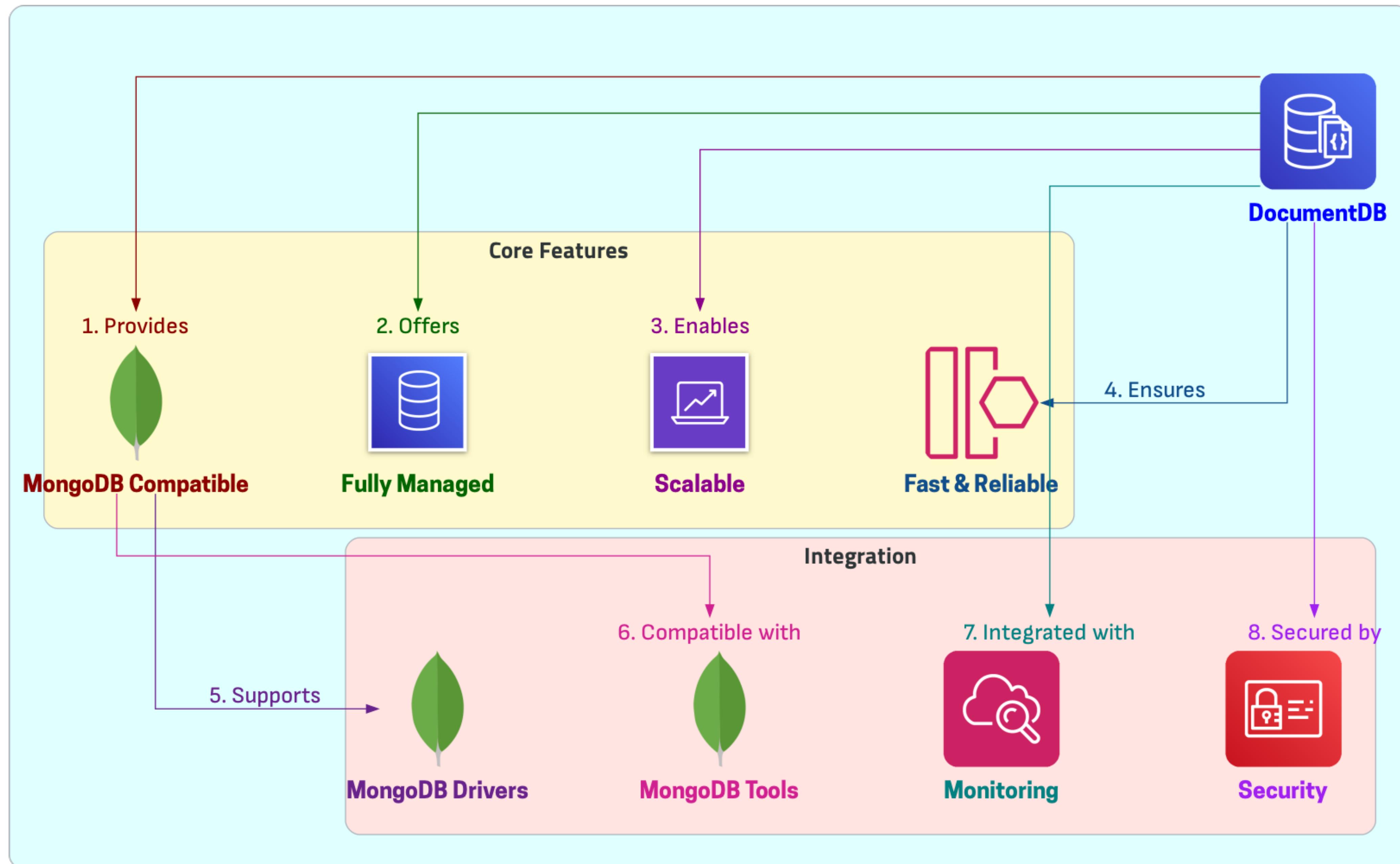
# What is Amazon DocumentDB?

## 1. Core Service Characteristics

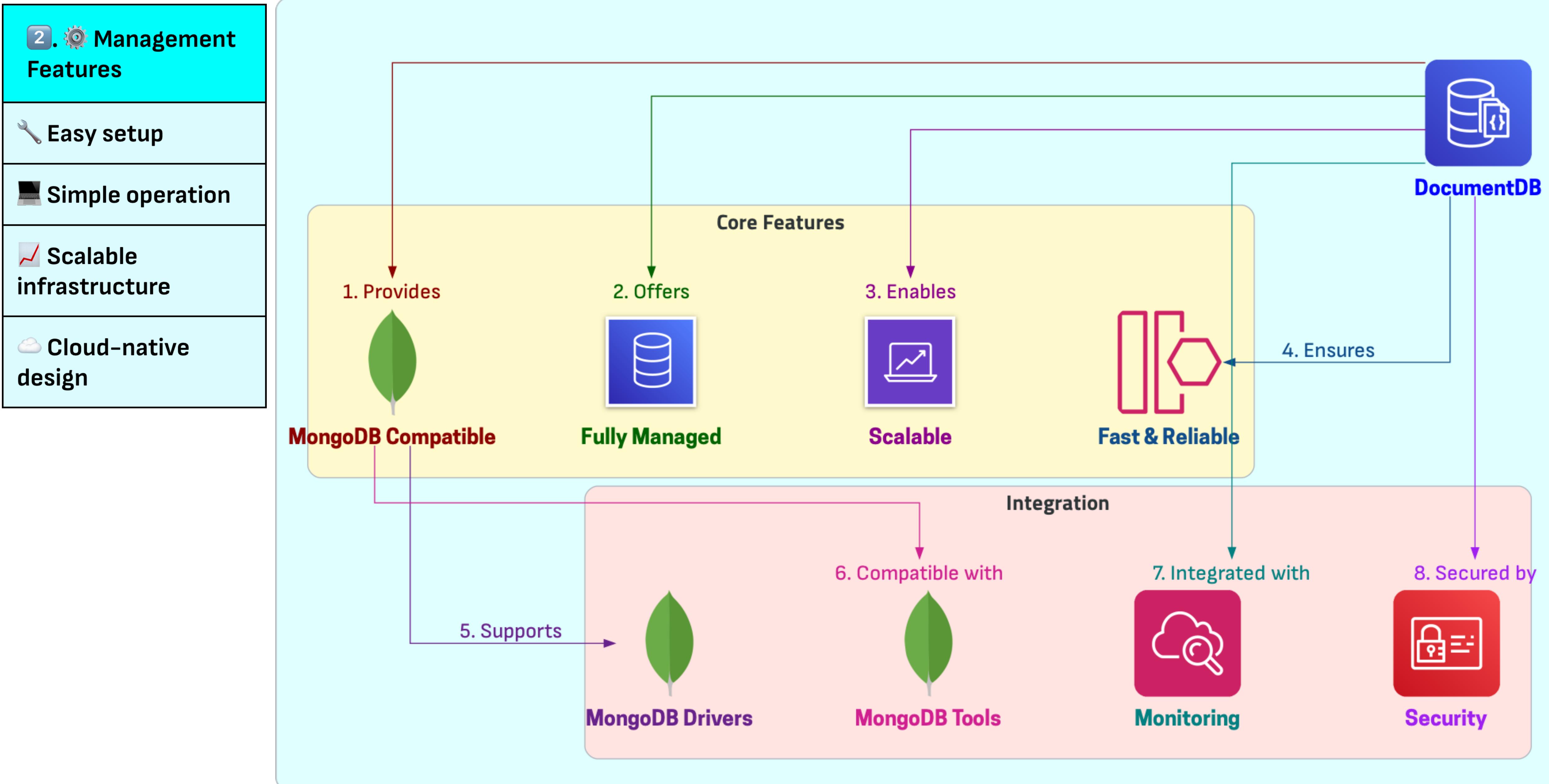
⚡ Fast performance

✓ Reliable operation

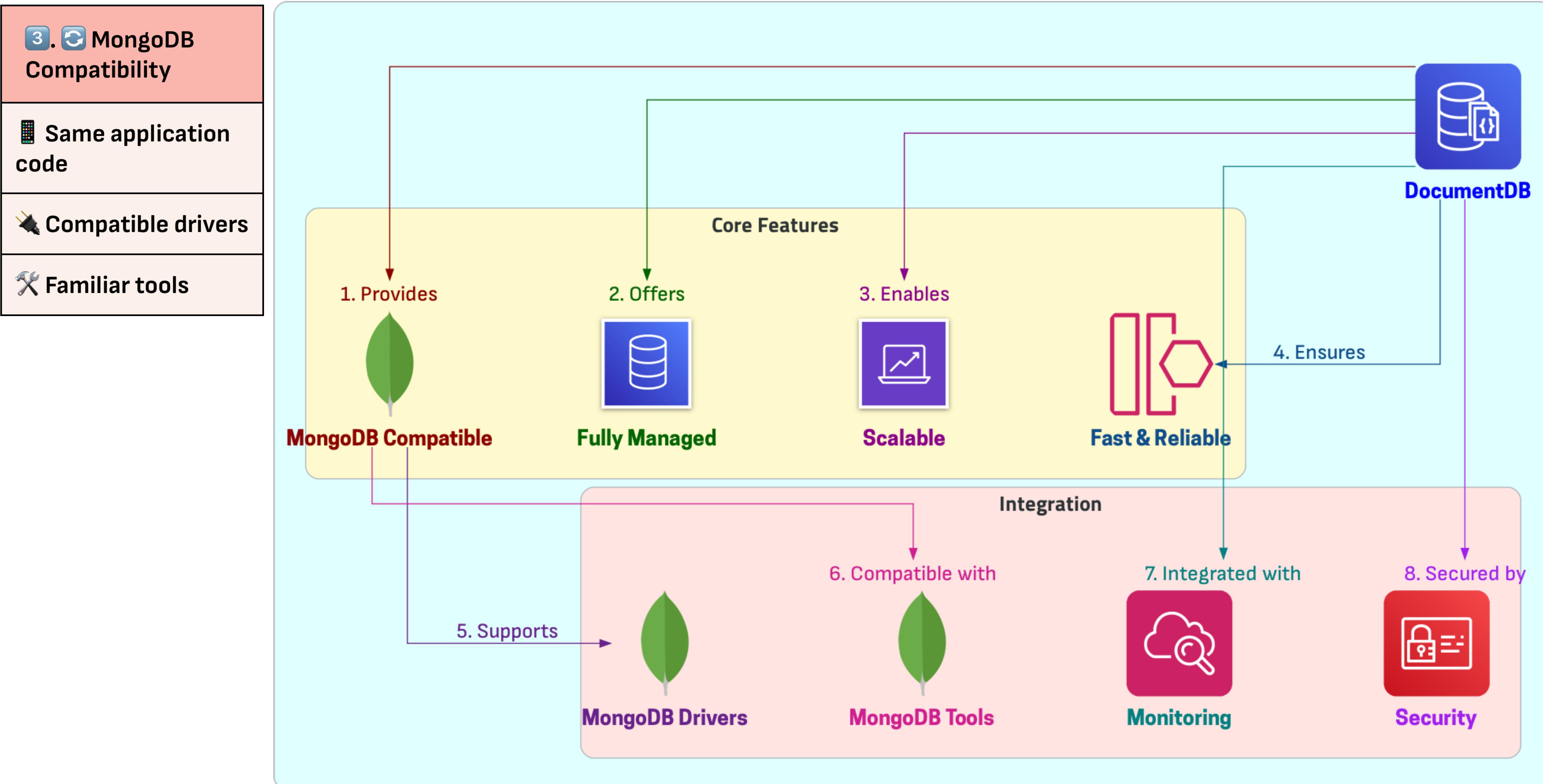
🤖 Fully managed service



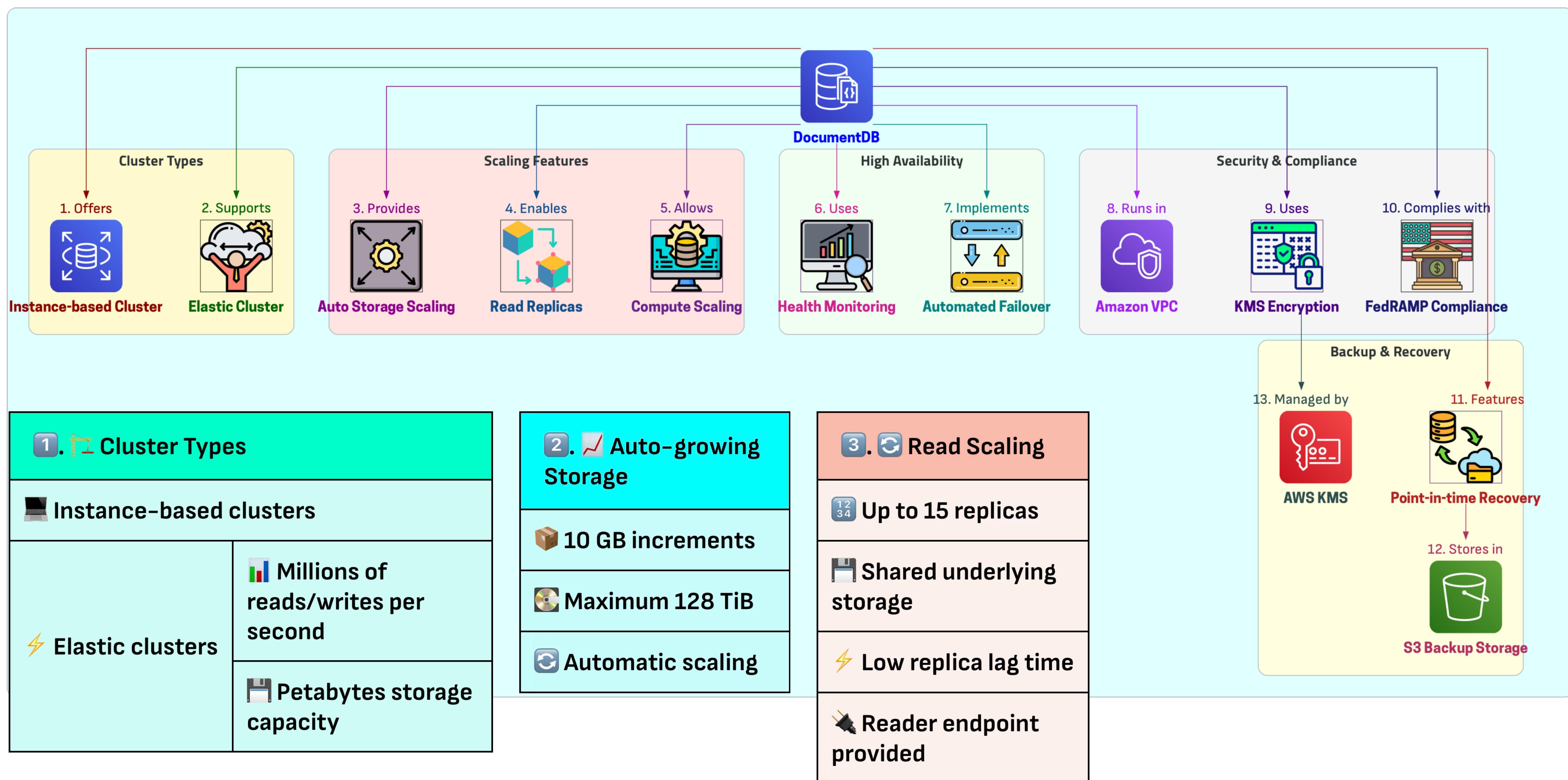
# What is Amazon DocumentDB?



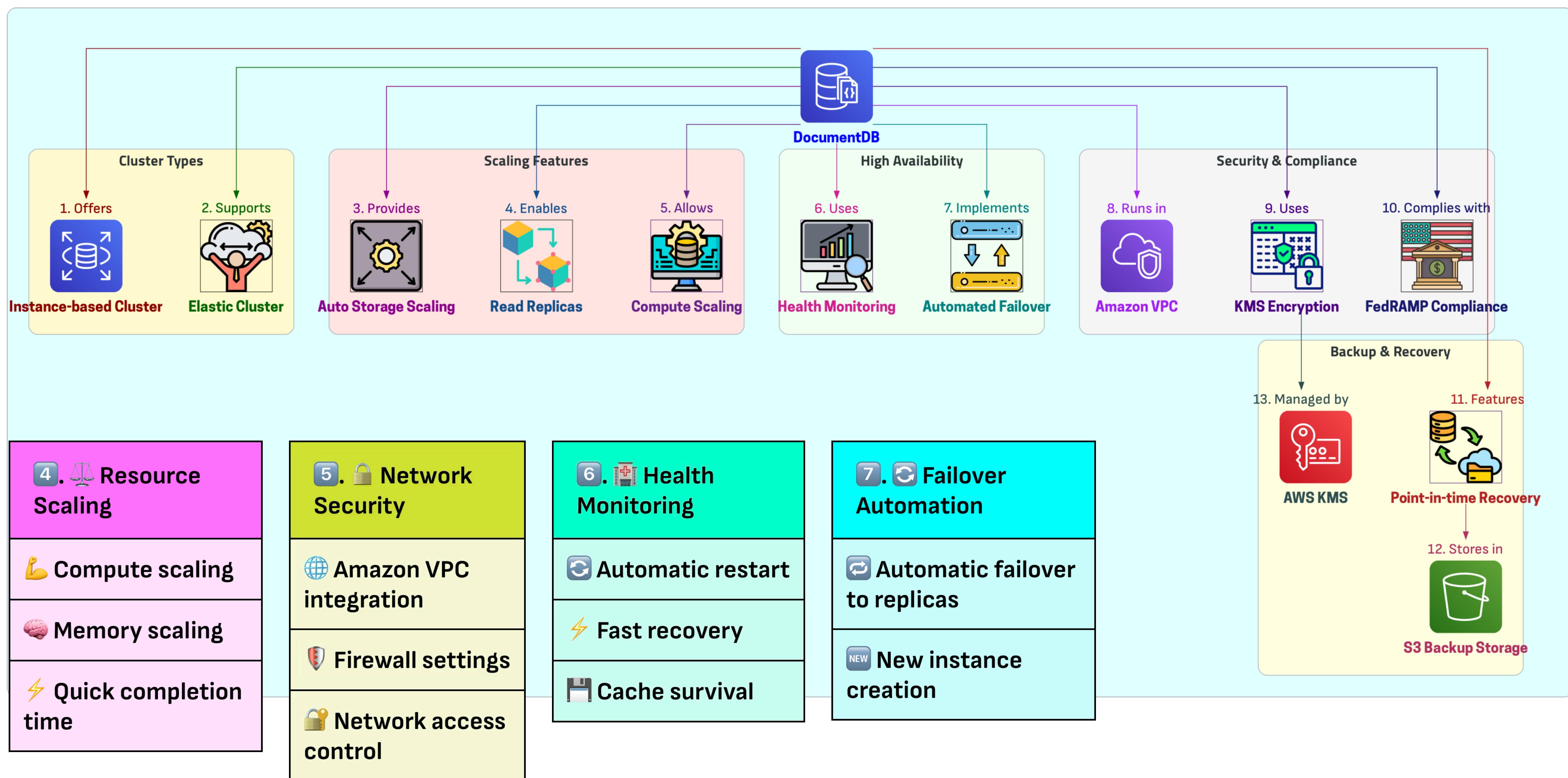
# What is Amazon DocumentDB?



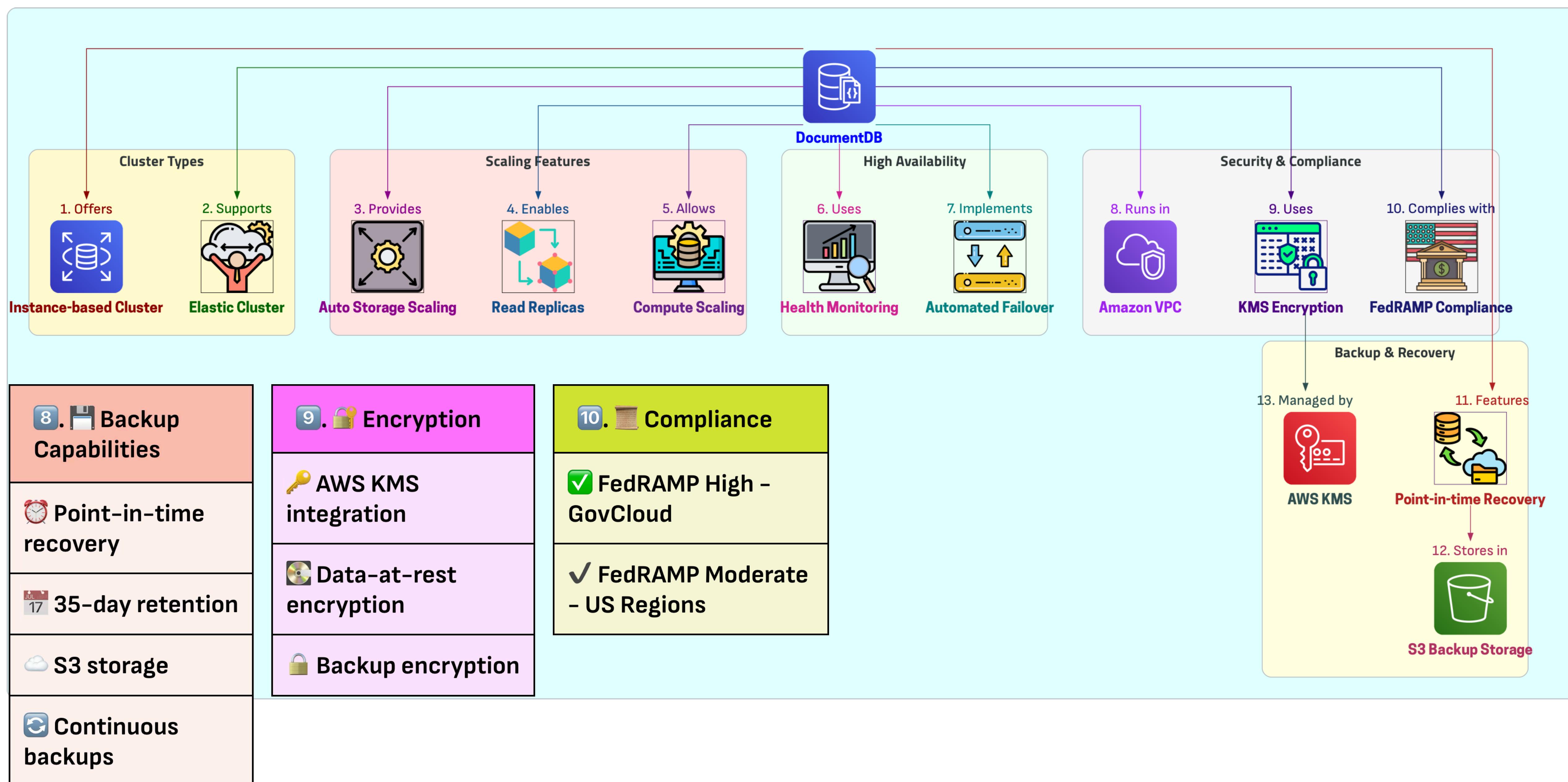
# High-level features



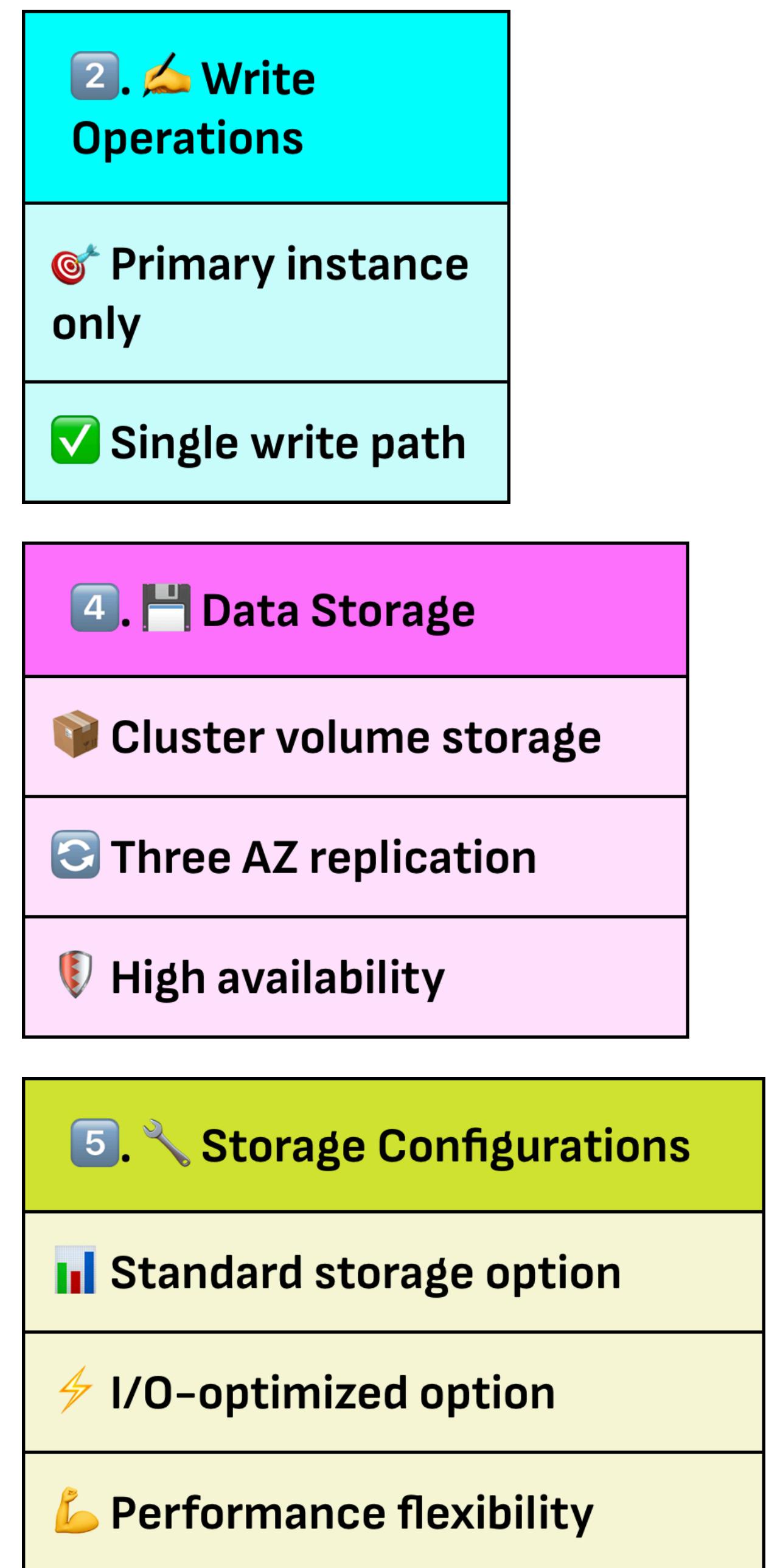
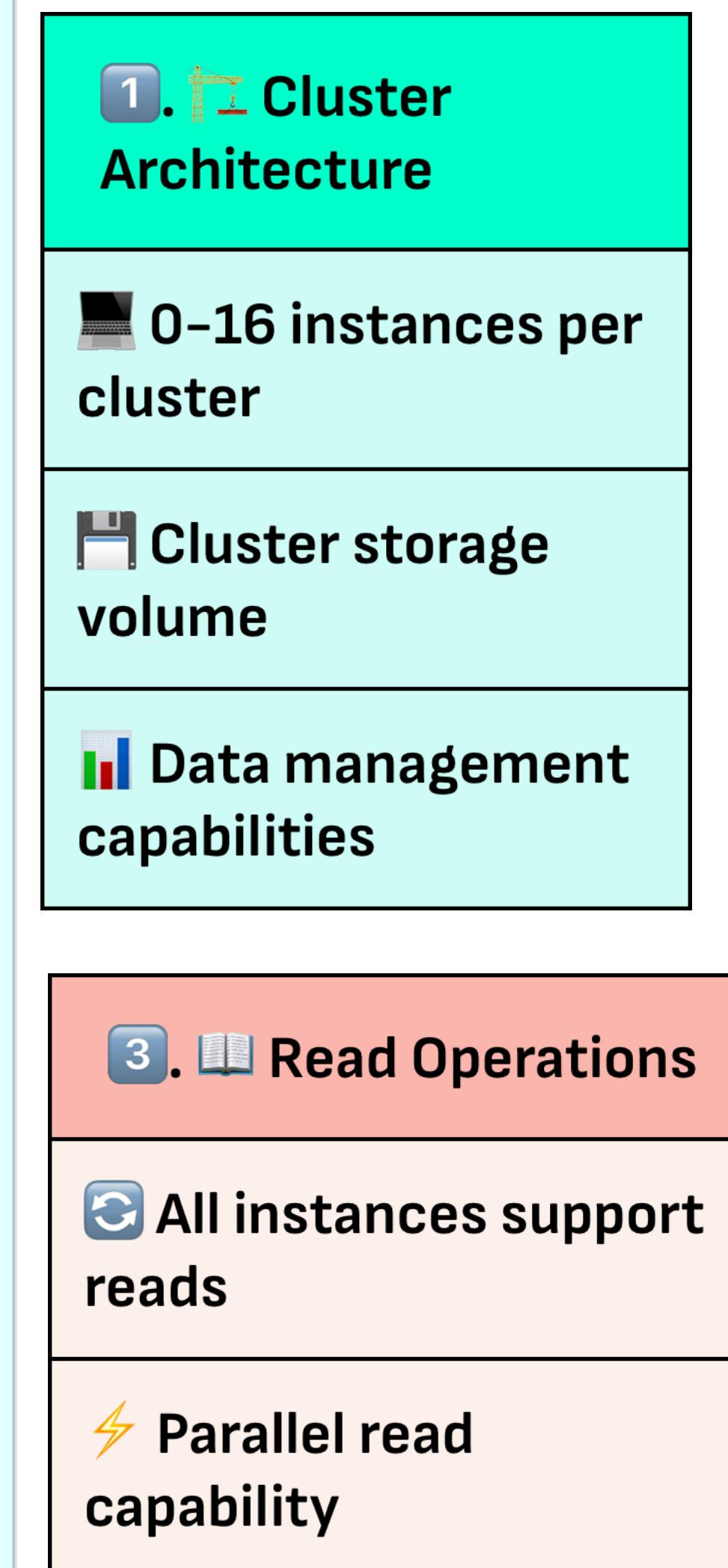
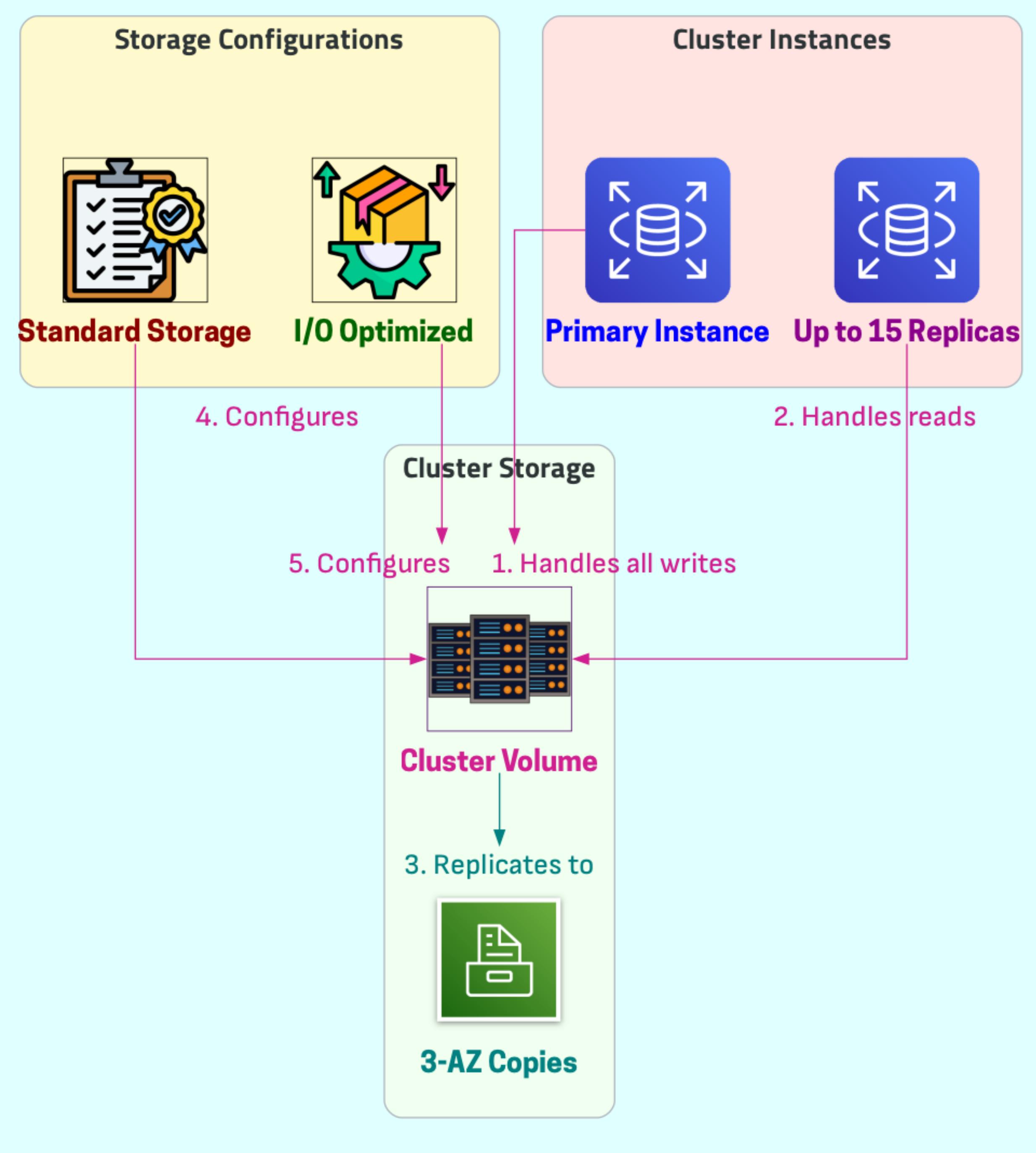
# High-level features



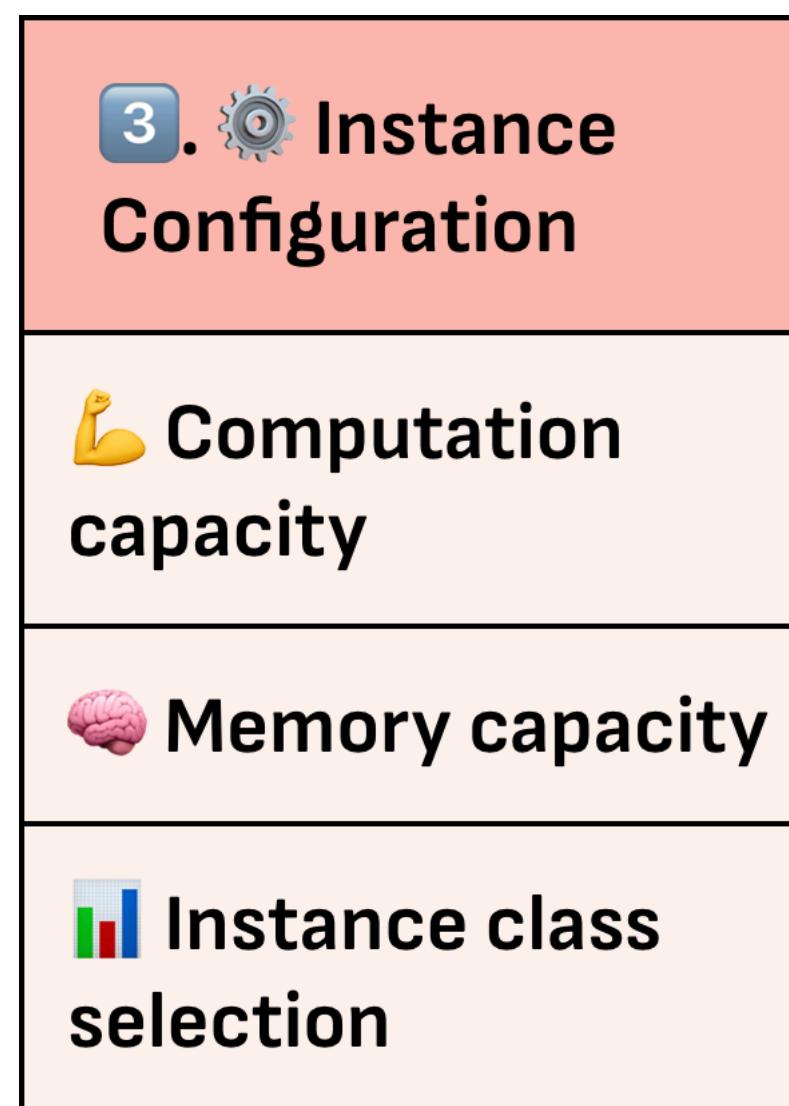
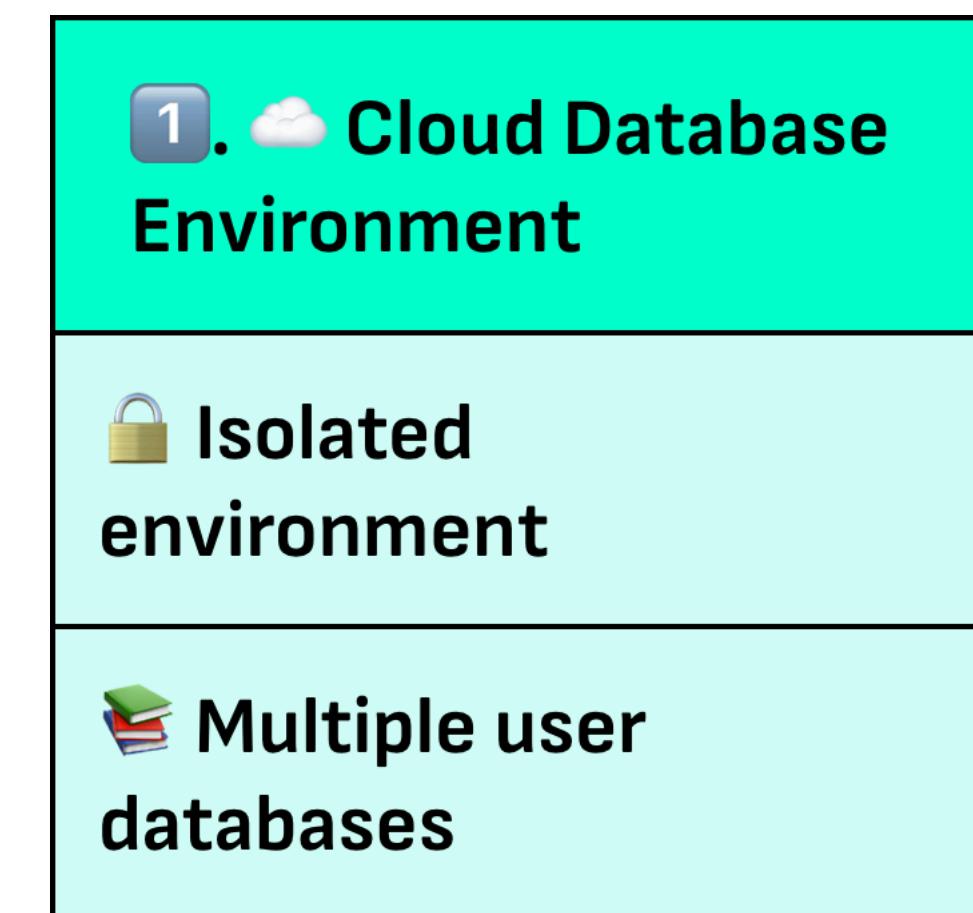
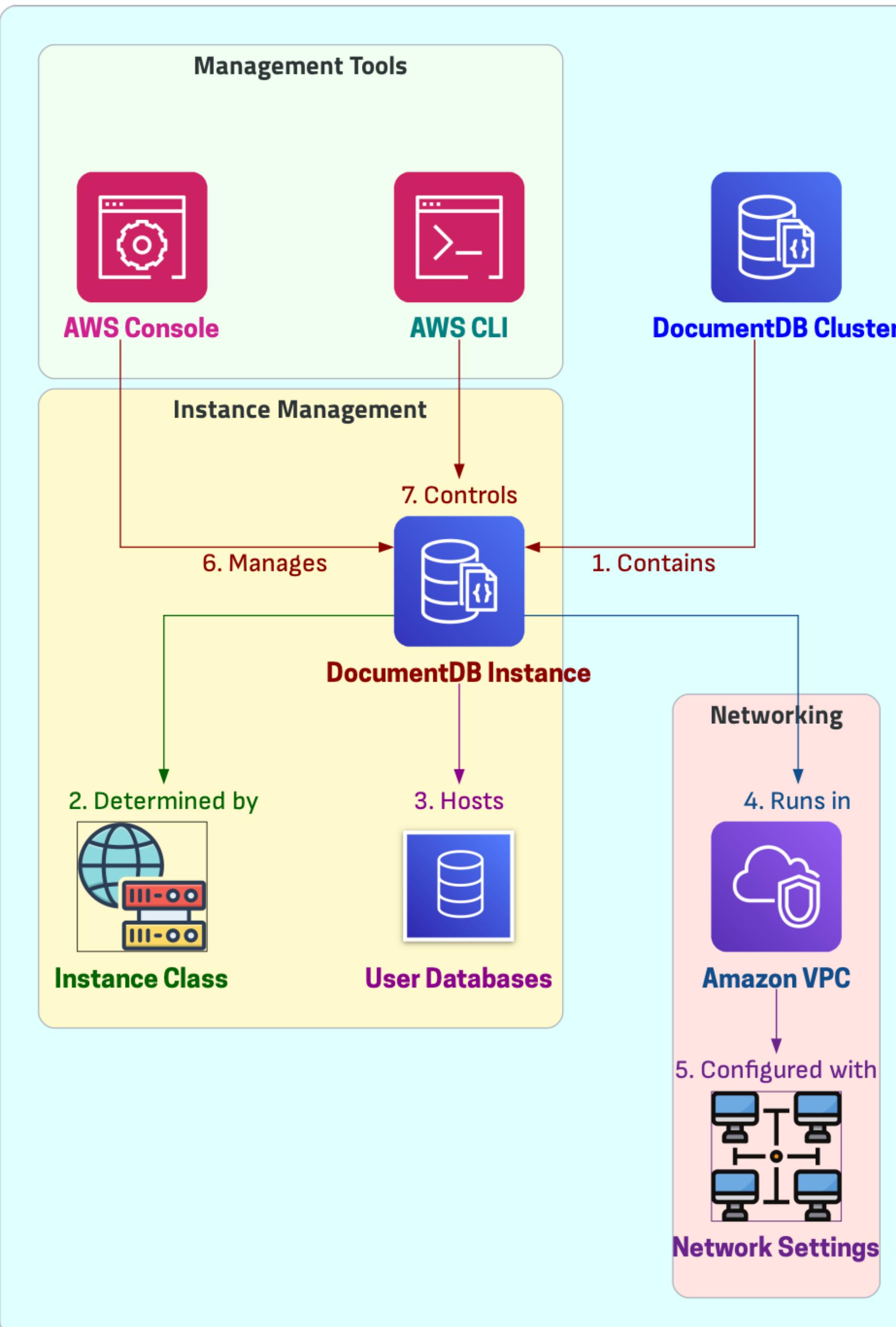
# High-level features



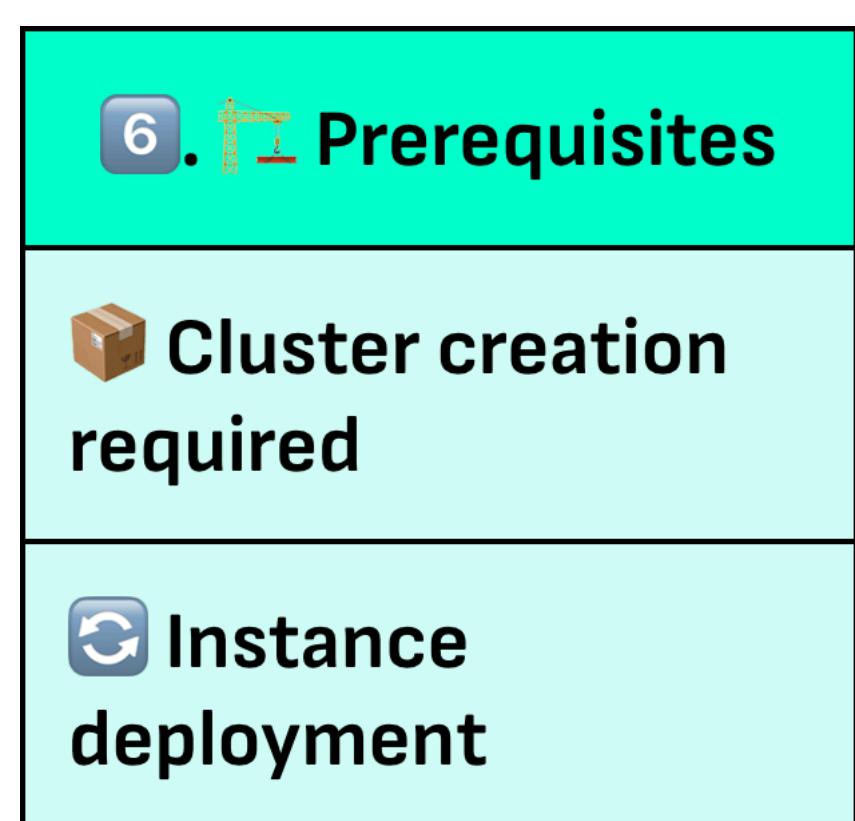
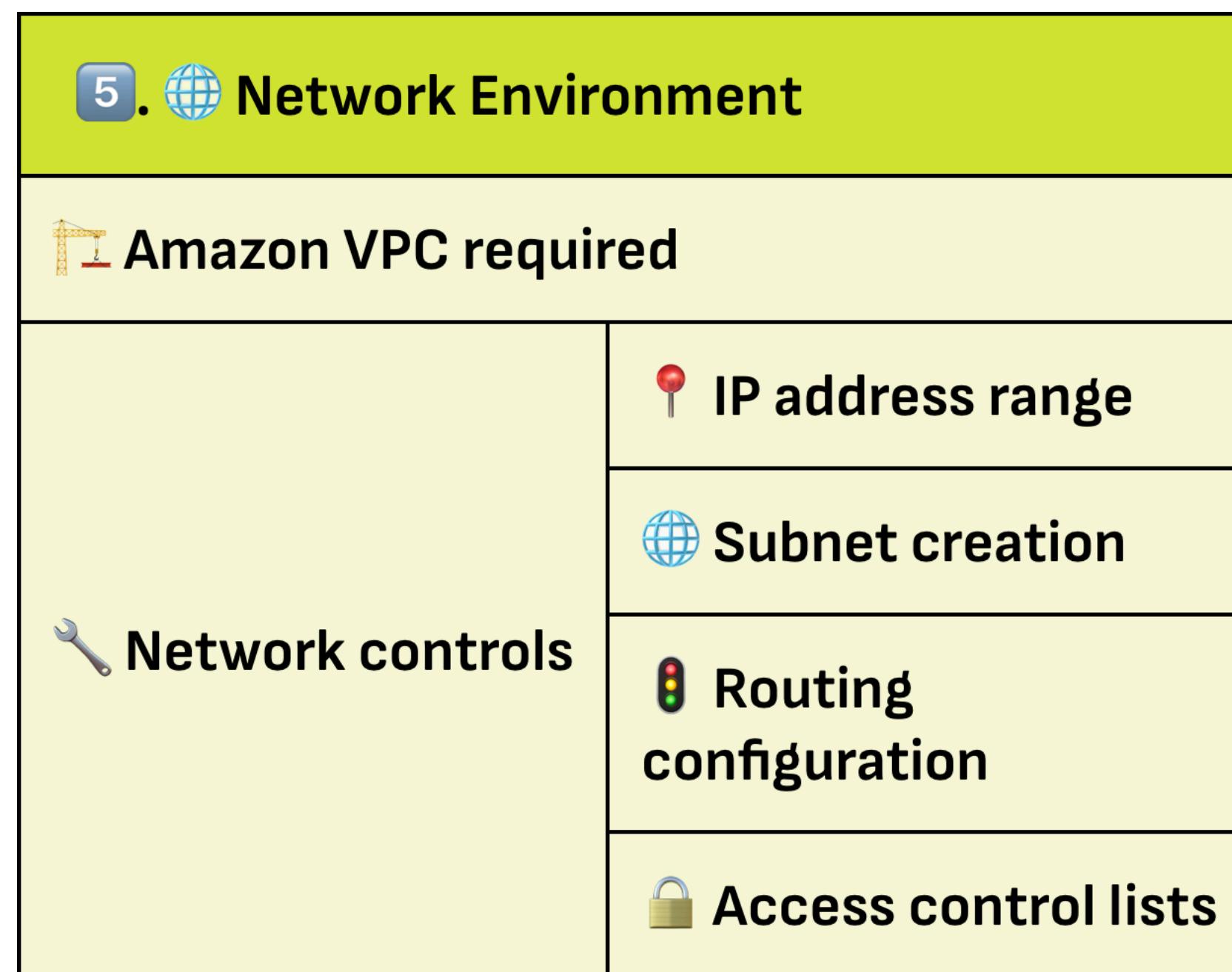
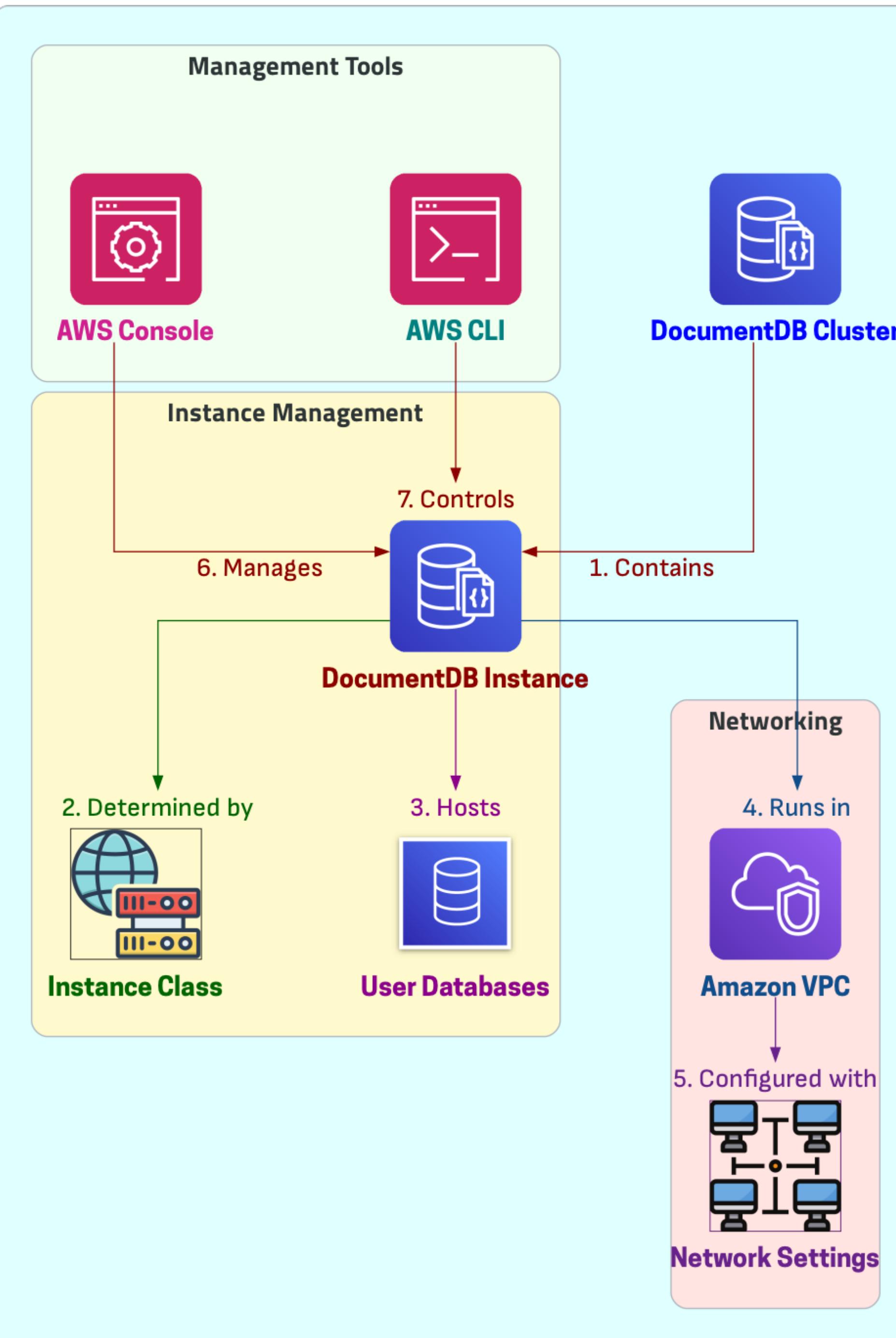
# Clusters



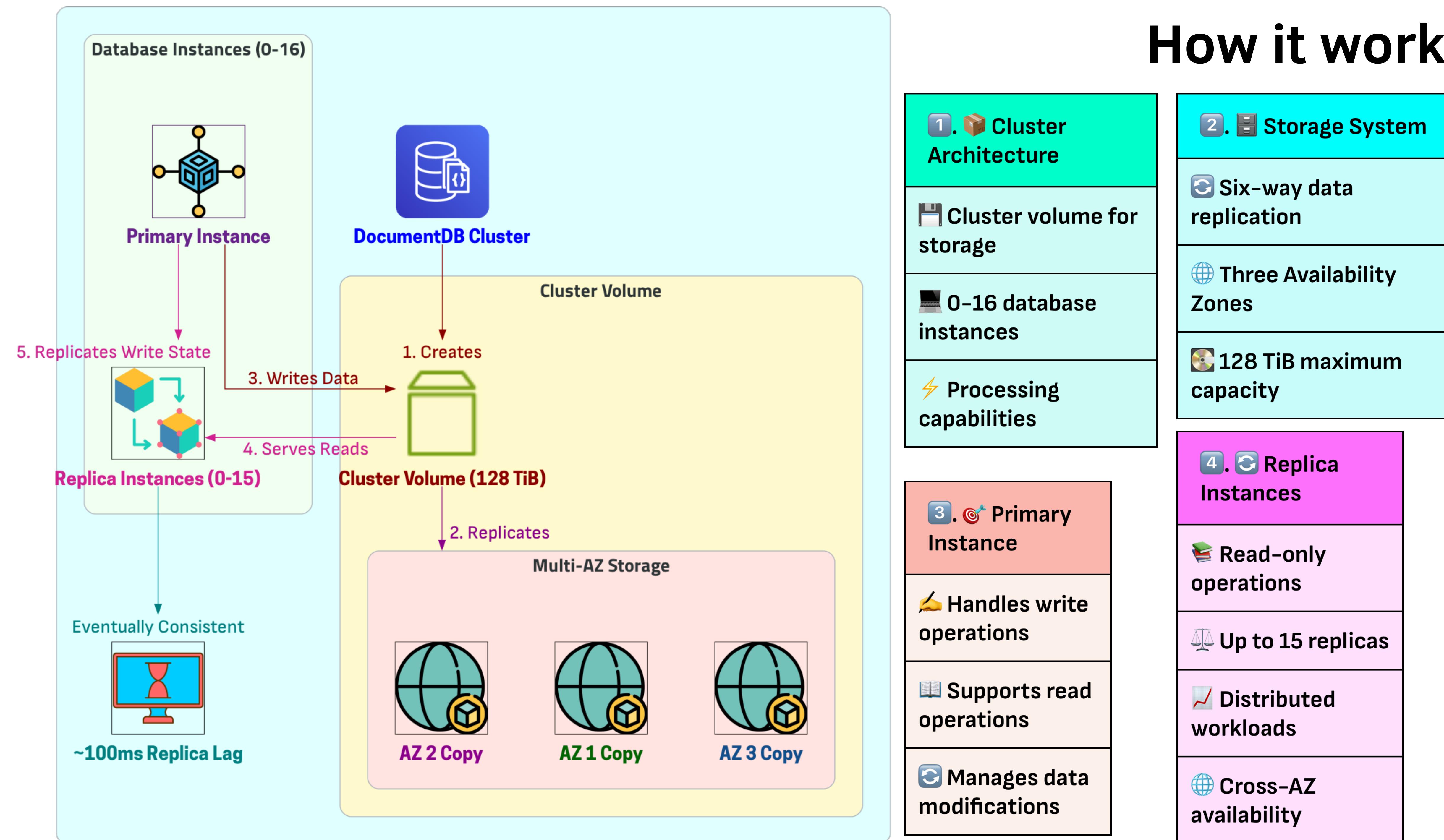
# Instances



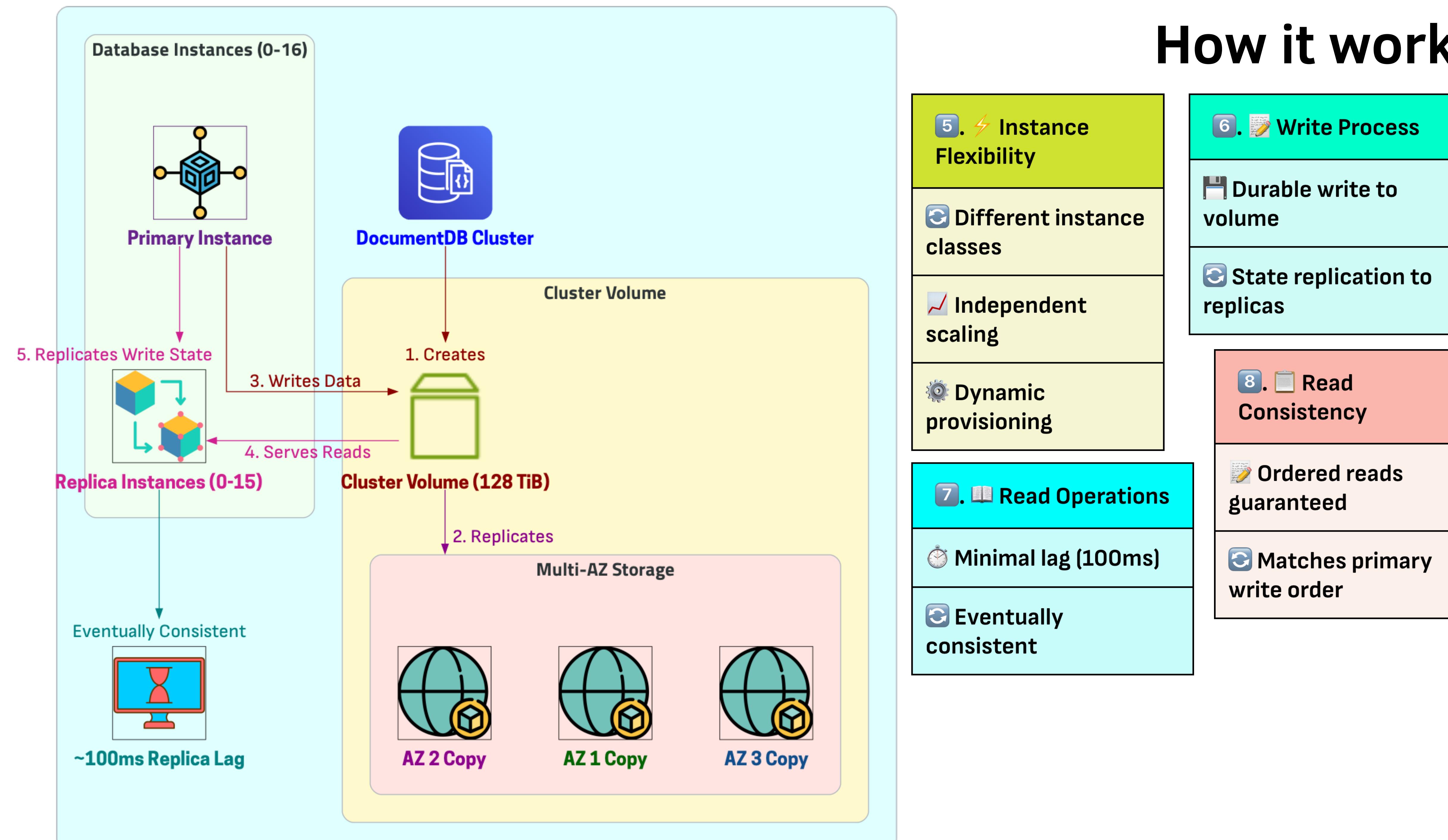
# Instances



# How it works?

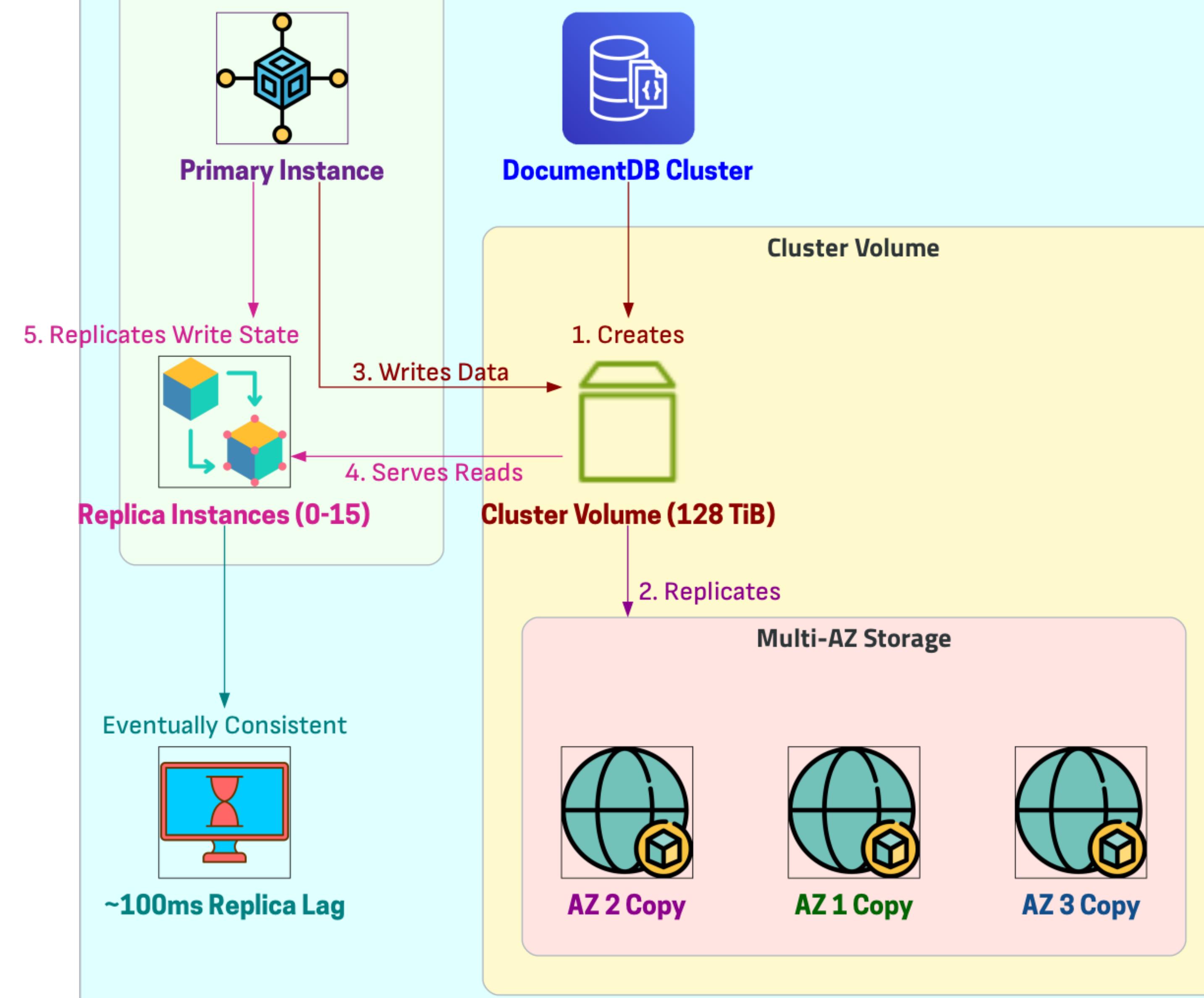


# How it works?



# How it works?

## Database Instances (0-16)



## 9. ⏳ Replica Lag

↗ Varies with write activity

⚠ May increase under load

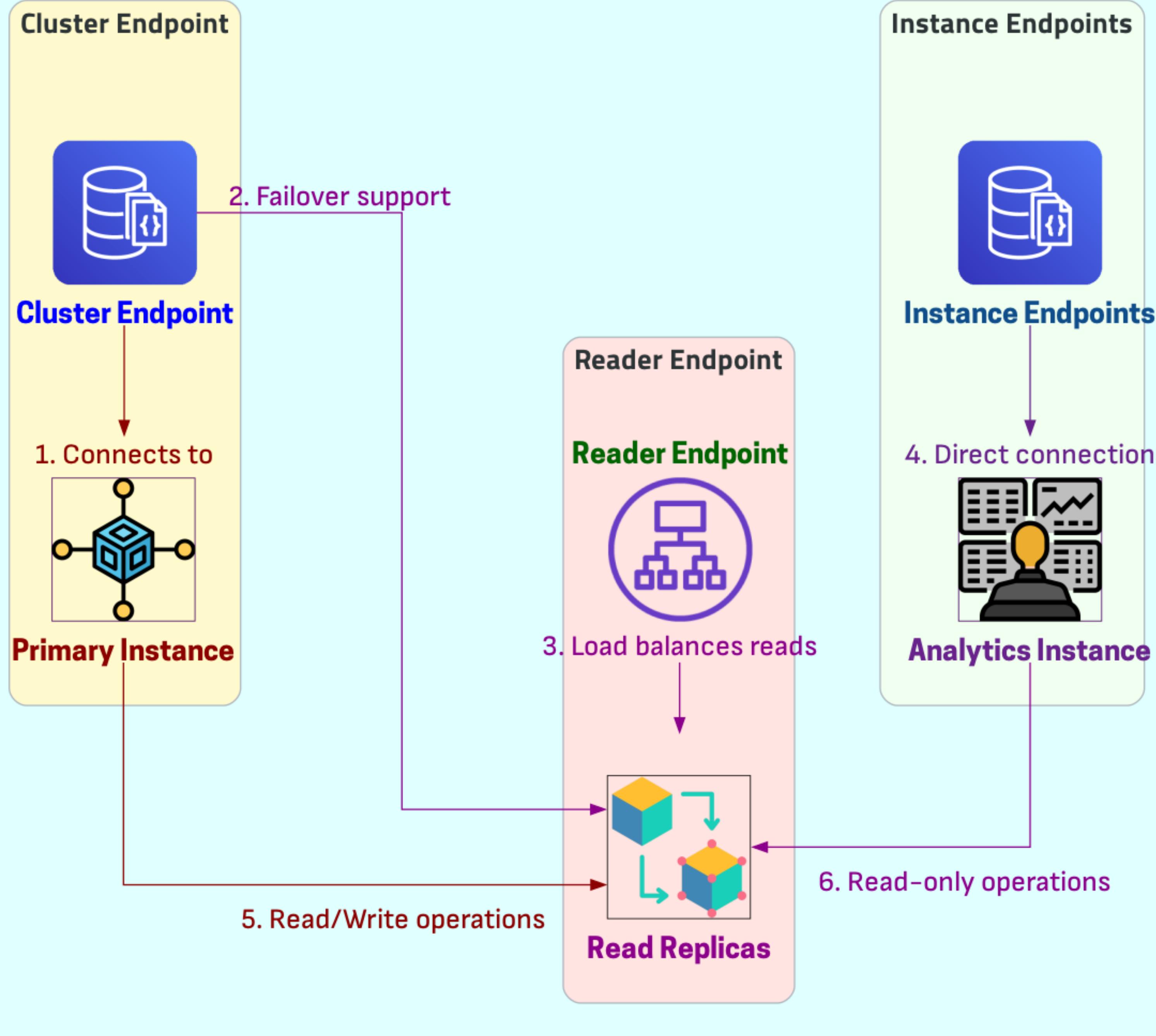
## 10. 🏛️ Architecture Benefits

🔗 Separated storage and compute

🛡️ High durability

⚡ High availability

# 3 Type of Endpoints



## 1. Endpoint Types

🎯 Three specialized endpoints

⭐ Each serves unique purpose

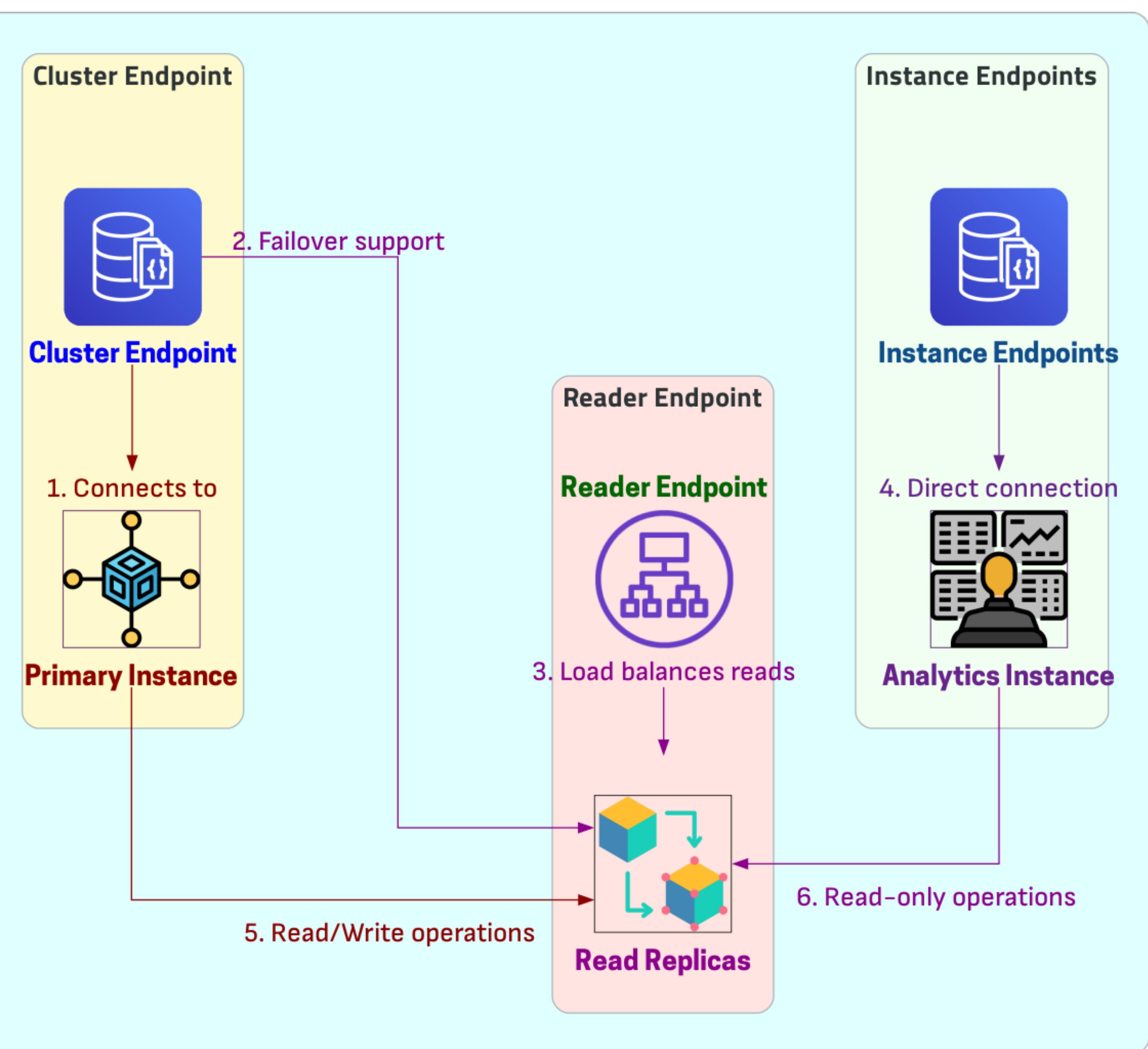
## 2. Cluster Endpoint

1 One per cluster

👉 Read/write operations

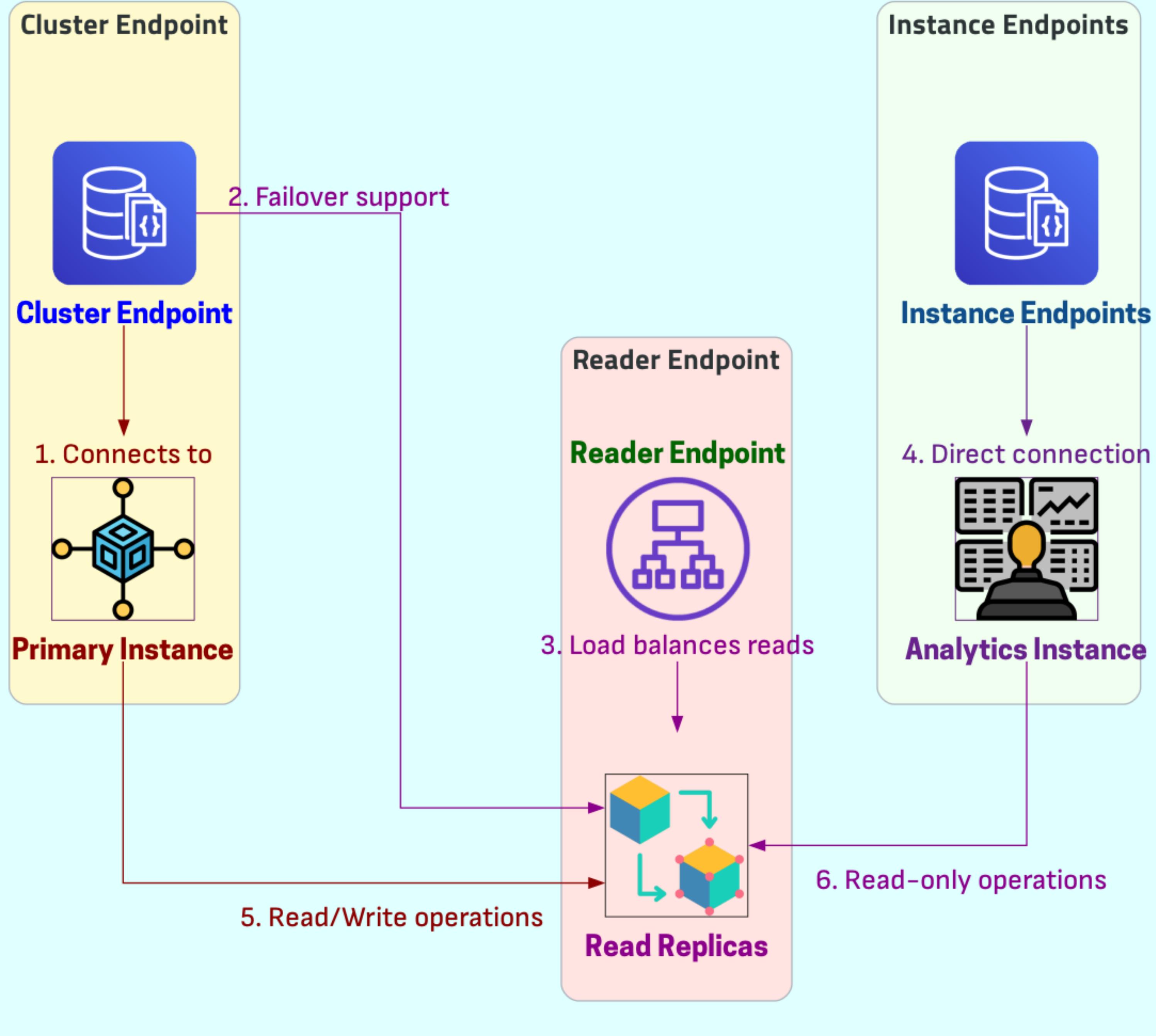
🎯 Connects to primary

# 3 Type of Endpoints



- 3. 🛡️ Failover Support**
  - Automatic redirection
  - Switches to new primary
  - Requires active replica
- 4. ⚖️ Reader Endpoint**
  - One per cluster
  - Read-only connections
  - Load balancing across replicas

# 3 Type of Endpoints



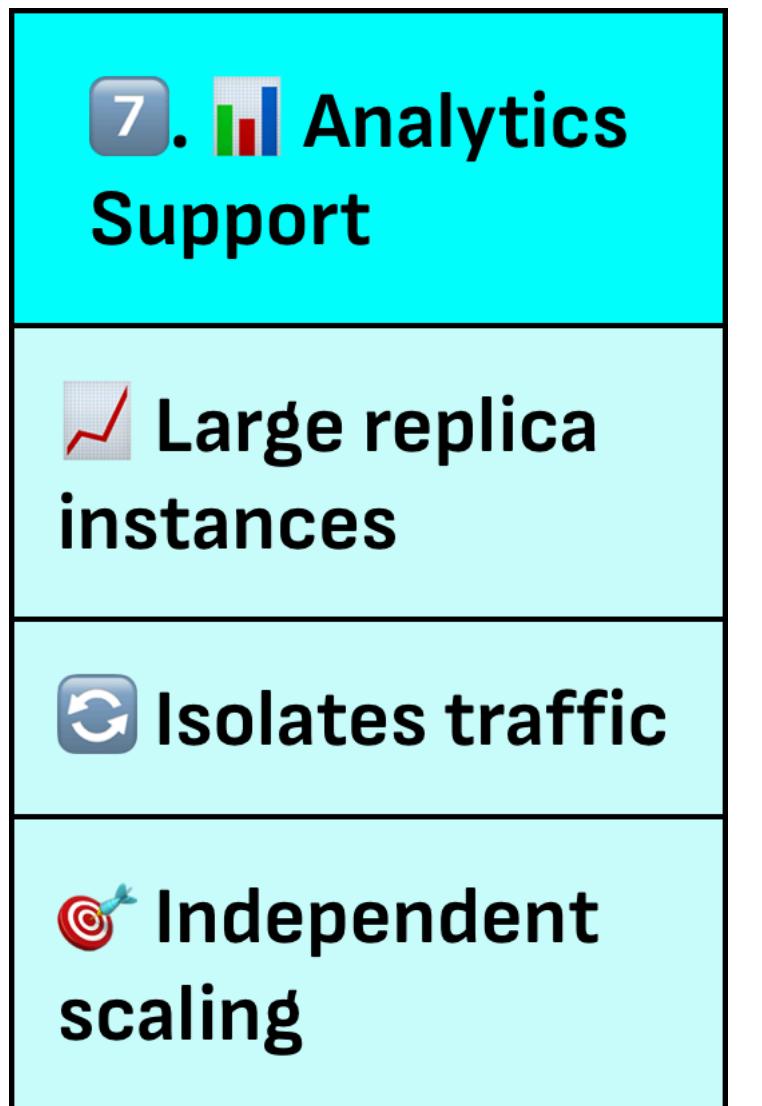
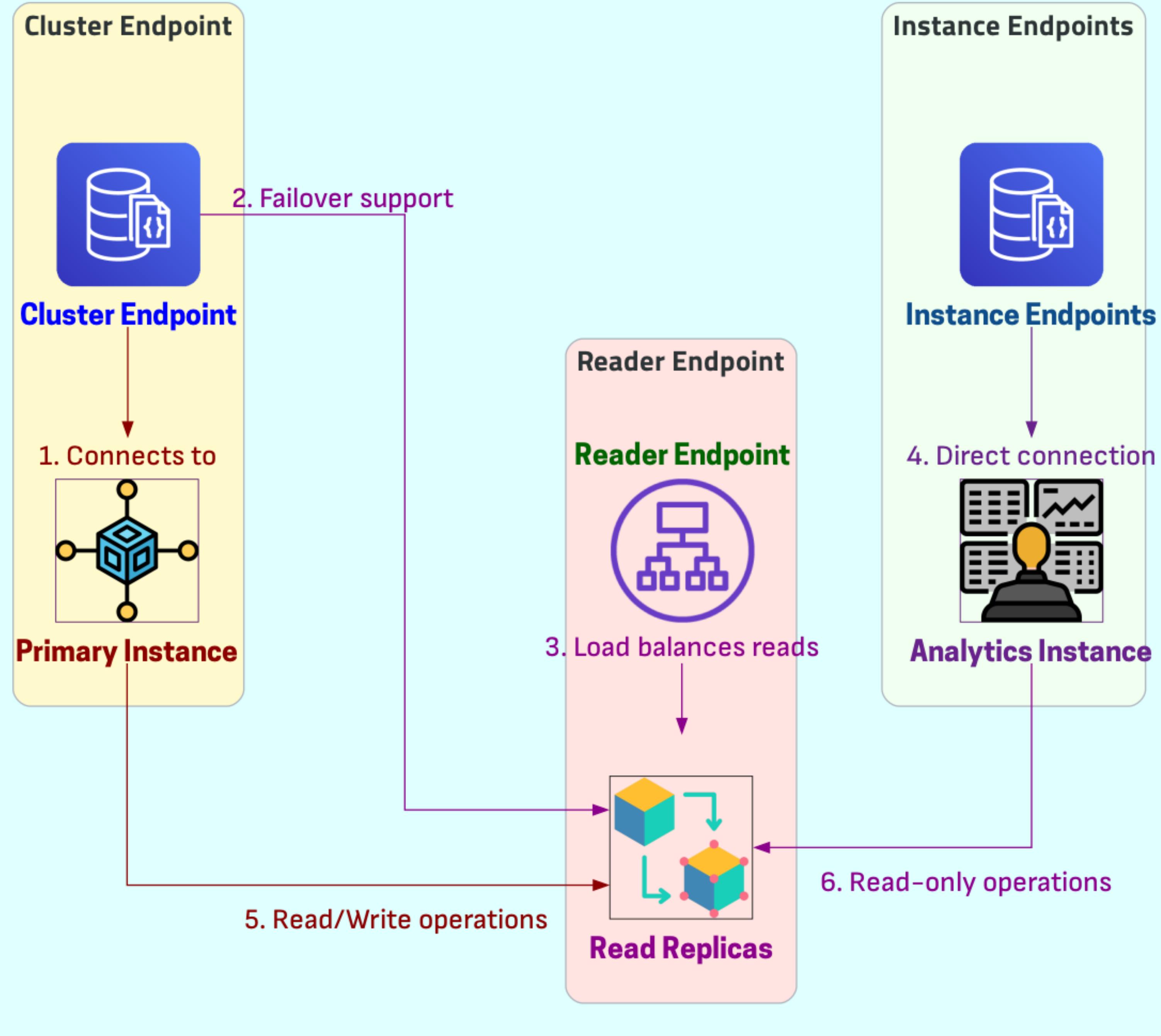
## 5. Connection Modes

<b>ReplicaSet mode configuration</b>	Enables write operations Works like cluster endpoint
<b>Direct Connection mode</b>	Read-only access
	Write operations blocked

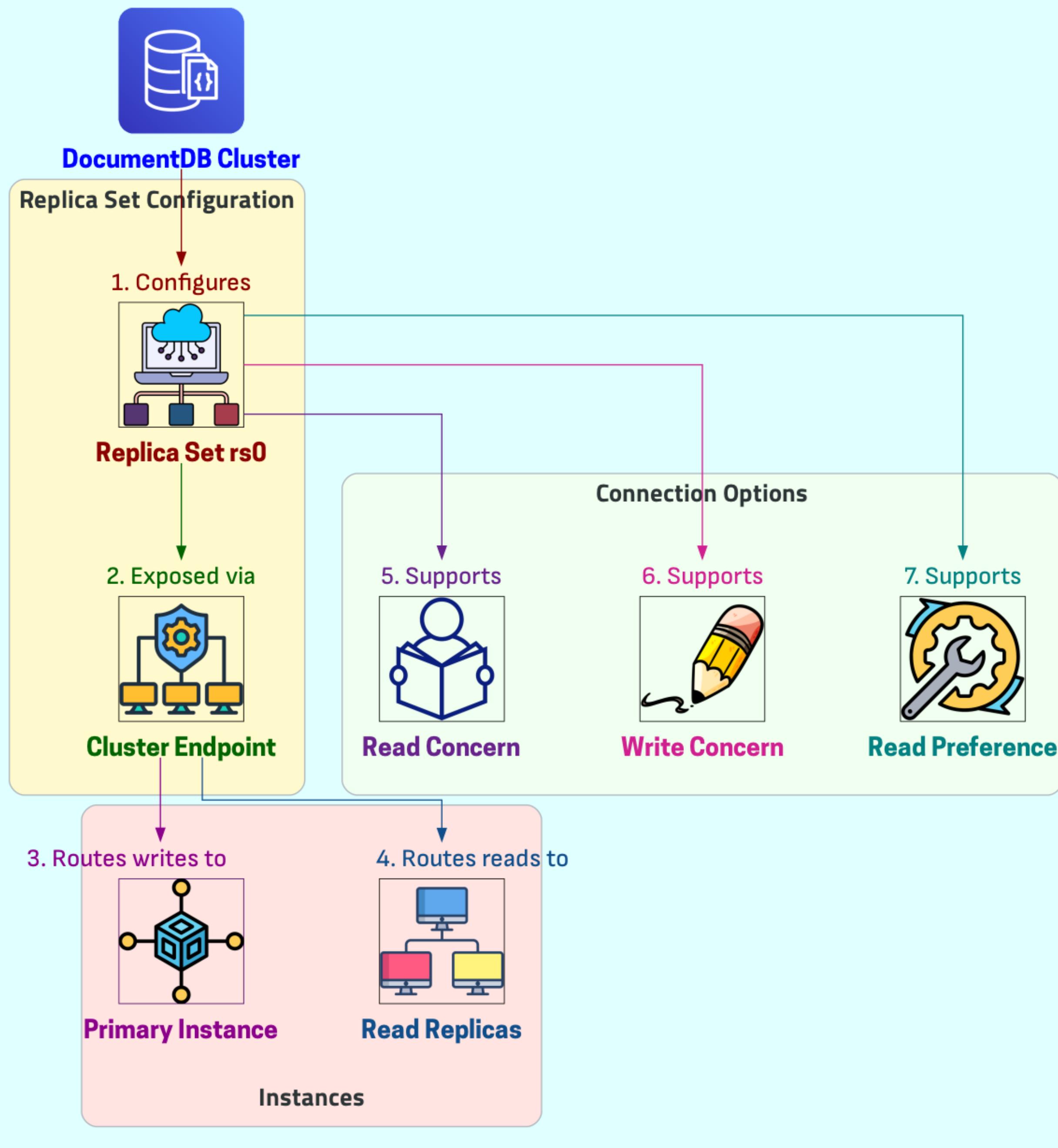
## 6. Instance Endpoints

Direct instance access
One per active instance
Specialized workloads

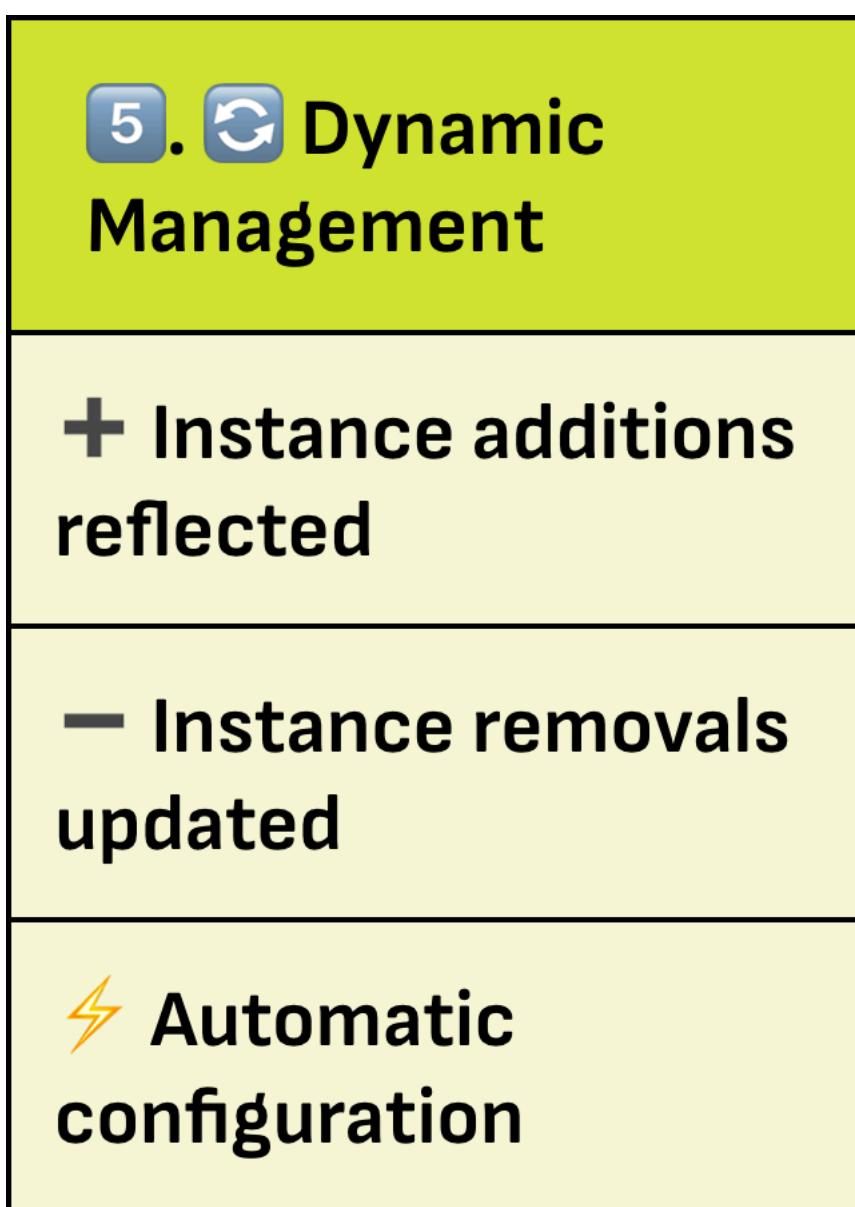
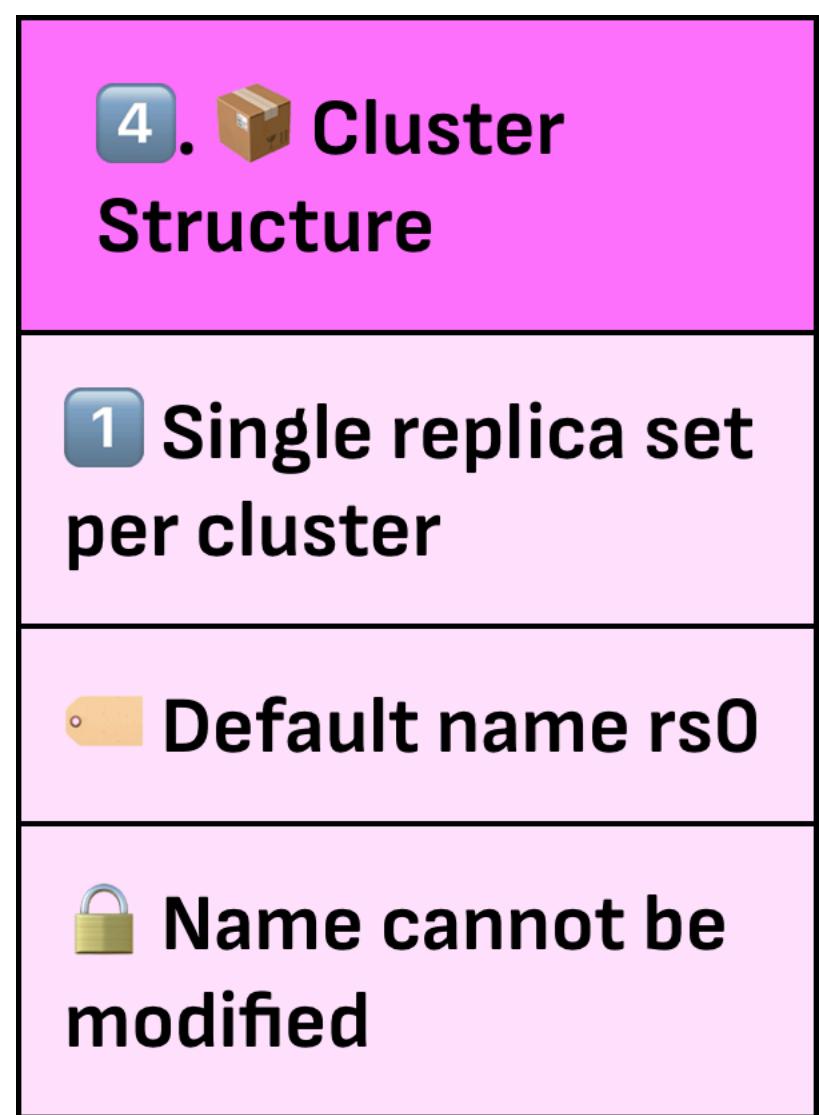
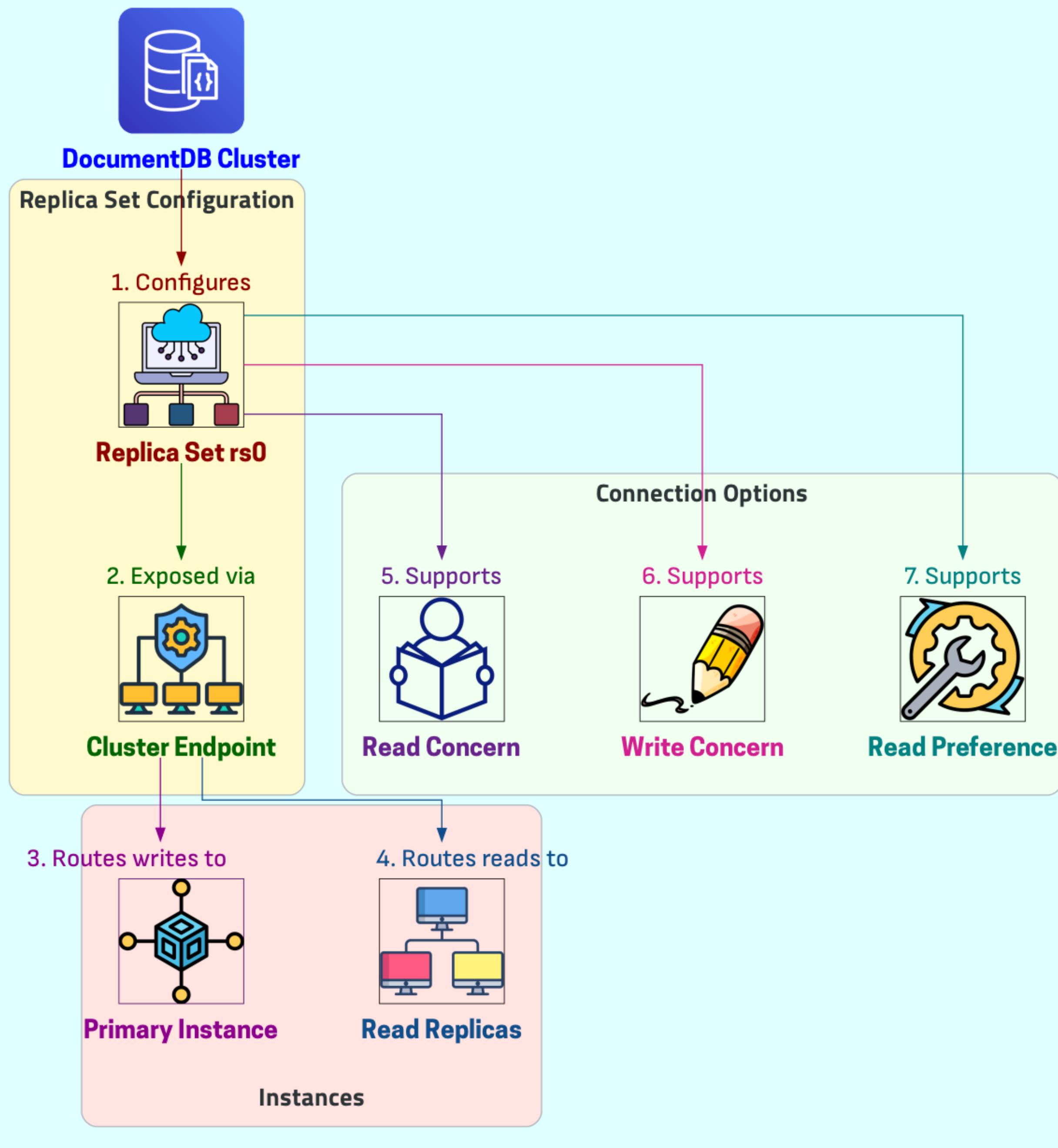
# 3 Type of Endpoints

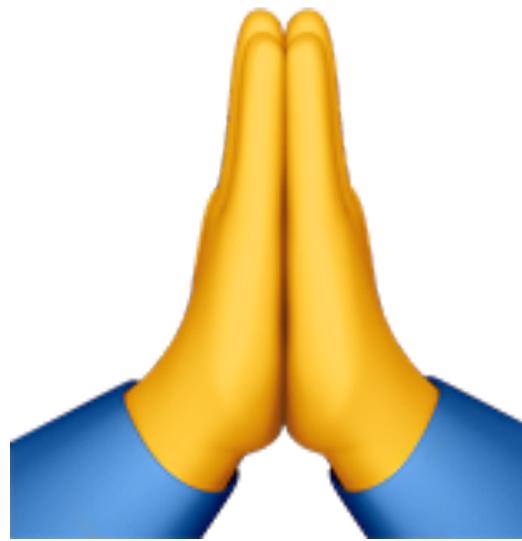


# Replica set mode



# Replica set mode





**Thanks  
for  
Watching**