Managed MongoDB

Overview

JioCloud MongoDB gives you a fully controlled MongoDB cluster — deployed on virtual machines you manage, in your own network, with your preferred setup. You get the flexibility to install your chosen MongoDB version, configure backups, tune infrastructure, and scale on your terms.
It's ideal for workloads that need more than an out-of-the-box service — with the power of full infrastructure control and the support of a secure, enterprise-grade cloud.
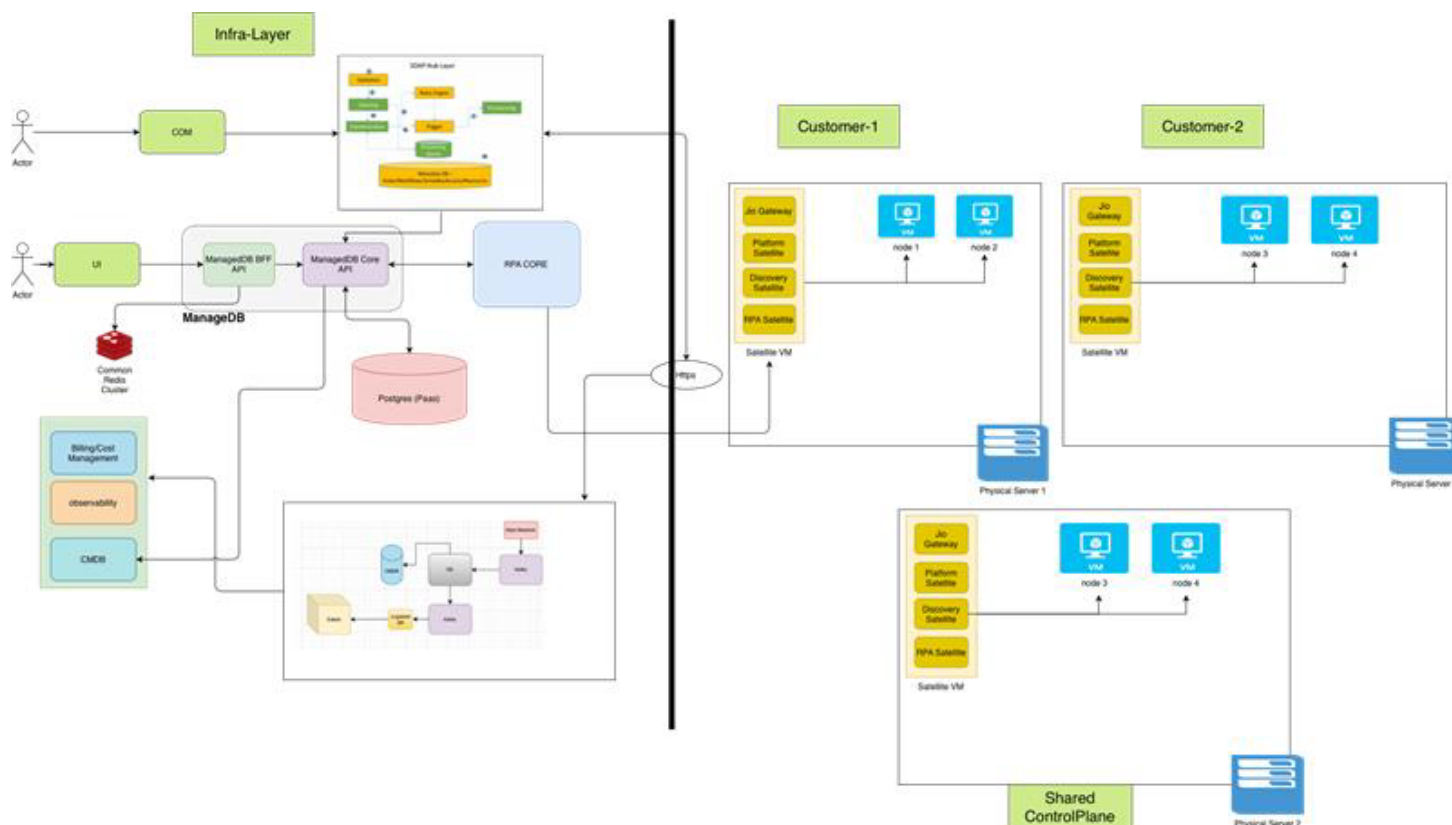
Key Features

- **Dedicated MongoDB clusters**
  Launch deployments — with complete control over CPU, memory, storage, and network settings.

- **Self-managed backup and recovery**
  Create snapshot-based, incremental, or external backups — as aligned to your data protection policies.

- **Version and OS flexibility**
  Run any compatible MongoDB version and OS configuration to match legacy applications or performance needs.

- **Replica sets and failover support**
  Configure high availability using MongoDB's native replication and failover mechanisms.

- **Scalable node architecture**
  Complete control on scaling vertically or horizontally to match data growth, transaction volumes, or read/write loads.

Benefits

- **Full infrastructure control**
  Build, scale, and tune your MongoDB deployment exactly how your workloads demand.

- **High performance at enterprise scale**
  Optimise memory, and storage for low-latency transactions and high throughput.

- **Compliance without constraints**
  Choose data center in line with your setup, enforce policies, and meet regulatory needs with full visibility.

- **Cost transparency and predictability**
  Pay only for the compute and storage you use — with no licensing markups or hidden fees.

Architecture Diagram

Use Cases

- **Custom MongoDB workloads**
  Run legacy versions, custom plugins, or application-specific configurations without platform restrictions.

- **Analytics and real-time insights**
  Store semi-structured data and enable fast queries for dashboards and data science pipelines.

- **Regulated industries**
  Maintain audit trails, access controls, and in-country data processing for compliance-heavy sectors.

- **E-commerce and retail platforms**
  Support catalogs, sessions, carts, and inventory — even during flash traffic spikes.

- **IoT and mobile services**
  Handle high velocity read/write operations from distributed edge devices or global applications.