

Milvus Long Term Roadmap and Time schedule

Milvus Project Roadmap and Time Schedule

	Time	Note
2.3.0	2023.8.23	Stable
2.4	2024.2.08	Under development
3.0	2024.4.30	Under Design

Welcome to the Milvus Roadmap! Our journey is an ongoing adventure in improving and evolving Milvus, and we're excited to share with you our achievements, our upcoming plans, and our vision for the future. This roadmap is not just a list of features; it's a reflection of our commitment to innovation and community collaboration. We invite you to explore, provide feedback, and join us in shaping Milvus' future!

Roadmap

Category	Milvus 2.3.x (Achieved in recent releases)	Milvus 2.4.0(End of CY23 release)	Roadmap(3.0)
Scalability and Performance <i>World-class scalability and performance</i>	Growing Index <i>Index for streaming-in data</i> ScaNN Index <i>20% faster than HNSW</i>	Bulk Insert Optimazation <i>Easier import for larger data</i> Scalar Fields Index <i>Indexing for specific scalar fields</i> Holds More Collections/Partitions <i>Support 10000+ collections in small size cluster</i>	Inverted Index for JSON GPU Acceleration Full test for 10 billion+ vectors
Ease of Use Provide flexible usabilities and maintainance	Cluster Rolling Update <i>Update affected window <30s</i> Delete by Expression <i>Easy to delete useless data</i> Upsert <i>Update embeddings for ambiguous scenarios</i>	Support More Datatypes <i>Datetime and various vector types (fp16, bf16)</i>	Add/Delete Collection Fields Support SQL Syntax Upgrade SDK
Enterprise Offering <i>Features for production-ready</i>	RBAC <i>Role based access control</i> Partition Key <i>Performance enhancement for large datasets</i>	Accesslog Enhancement <i>Detailed info recorded for audit and tracing</i> Compaction Optimization <i>Improve system stability</i>	CDC for Online/Cross-Cloud Migration
AI-augment Capability <i>Designed features for AI applications</i>	Dynamic Schema <i>Provide flexibility by schema-free</i>	Group By for Grouping Requests <i>Aggregate split embeddings for one set</i> Multi-Vectors(beta) <i>Multiplex recall and reranking framework</i> Sparse Vector(beta) <i>Local feature extraction or keyword search</i>	Scenario-oriented Vector Search Patterns Spark Connector for large scale data processing Multi-Vectors GA Sparse Vector GA

Notes:

- Our roadmap is dynamic and adapts based on new learnings and community feedback.
- Community engagement is highly encouraged. To provide feedback or raise issues, visit [Milvus GitHub](#).
- Detailed information on recent releases, please refer to [release notes](#).

How to Contribute

As an open-source project, Milvus thrives on community contributions. Here's how you can be a part of our journey.

Share Feedback

- **Issue Reporting:** Encounter a bug or have a suggestion? Open an issue on our [GitHub page](#).
- **Feature Suggestions:** Have ideas for new features or improvements? [We'd love to hear them!](#)

Code Contributions

- **Pull Requests:** Contribute directly to our [codebase](#). Whether it's fixing bugs, adding features, or improving documentation, your contributions are welcome.
- **Development Guide:** Check our [Contributor's Guide](#) for guidelines on code contributions.

Spread the Word

- **Social Sharing:** Love Milvus? Share your use cases and experiences on social media and tech blogs.
- **Star Us on GitHub:** Show your support by starring our [GitHub repository](#).