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BIG DATA ANALYTICS

MongoDB

Advantages | Environment

<https://www.youtube.com/c/RASINENIMADANAMOHANA>

MongoDB: Advantages

MongoDB: *Advantages*

- Any relational database has a typical schema design that shows number of tables and the relationship between these tables.
- While in **MongoDB**, there is no concept of relationship.

MongoDB: *Advantages*

Advantages of MongoDB over RDBMS:

- Schema less: **MongoDB** is a document database in which one collection holds different documents. Number of fields, content and size of the document can differ from one document to another.
- Structure of a single object is clear.
- No complex joins.

MongoDB: *Advantages*

Advantages of MongoDB over RDBMS:

- **Deep query-ability.** MongoDB supports dynamic queries on documents using a document-based query language that's nearly as powerful as SQL.
- Tuning.
- **Ease of scale-out:** MongoDB is easy to scale.
- Conversion/mapping of application objects to database objects not needed.
- Uses internal memory for storing the (windowed) working set, enabling faster access of data.

MongoDB: *Advantages*

Why Use MongoDB?

- **Document Oriented Storage**: Data is stored in the form of **JSON (JavaScript Object Notation)** style documents.
- **Index** on any attribute.
- **Replication** and **high availability**.
- Auto-**Sharding**.
- Rich queries.
- Fast in-place updates.
- Professional support by **MongoDB**.

MongoDB: *Advantages*

Where to Use MongoDB?

- Big Data
- Content Management and Delivery
- Mobile and Social Infrastructure
- User Data Management
- Data Hub



MongoDB: Environment

MongoDB: *Environment*

How to install MongoDB on Windows:

- To install **MongoDB** on **Windows**, first download the stable version of **MongoDB** from <https://www.mongodb.com/>

MongoDB: *Environment*

-  **Atlas**
MongoDB as a service
-  **On-premises**
MongoDB locally
-  **Tools**
Boost productivity
-  **Mobile & Edge**
Realm Datastore

MongoDB Community Server

The Community version of our distributed database offers a flexible document data model along with support for ad-hoc queries, secondary indexing, and real-time aggregations to provide powerful ways to access and analyze your data.

The database is also offered as a fully-managed service with [MongoDB Atlas](#). Get access to advanced functionality such as auto-scaling, serverless instances (in preview), full-text search, and data distribution across regions and clouds. Deploy in minutes on AWS, Google Cloud, and/or Azure, with no downloads necessary.

Give it a try with a free, highly-available 512 MB cluster.

Available Downloads

Version: 5.0.12 ✓

Platform: Windows ✓

Package: msi ✓

 **Download** [Copy Link](#)

- [Current releases & packages](#)
- [Development releases](#)
- [Archived releases](#)
- [Changelog](#)
- [Release Notes](#)

MongoDB: *Environment*

How to install MongoDB on Windows:

For Full Installation watch the following video:

<https://youtu.be/iiyALQpExM8>