

MongoDB Installation on Windows

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Since MongoDB is a NoSQL database and the installation process differs from Linux, this document describes the steps to install MongoDB on a Windows operating system.

1 Installation

Download the MongoDB Community Server installer for Windows from the official MongoDB website. Choose the **MSI installer** and follow the setup wizard.

During installation:

- Select **Complete** installation
- Choose to install MongoDB as a **Windows Service**
- Keep the default port **27017**

2 Verify Installation

After installation, open **Command Prompt** and verify MongoDB by running:

```
1 mongod --version
```

If MongoDB is installed correctly, version details will be displayed.

3 Starting MongoDB Service

If MongoDB was installed as a service, it starts automatically. Otherwise, start it manually:

```
1 net start MongoDB
```

Alternatively, MongoDB can be started using:

```
1 mongod
```

4 Connecting to MongoDB Shell

To connect to MongoDB, open a new command prompt and run:

```
1 mongosh
```

This opens the MongoDB shell and connects to the local MongoDB instance.

5 Common Issues and Fixes

If MongoDB fails to start, it may be due to missing data directories. Create the following folders manually:

```
1 C:\data\db
```

Then restart MongoDB.

If the `mongosh` command is not recognized, ensure that MongoDB's `bin` directory is added to the system PATH:

```
1 C:\Program Files\MongoDB\Server\<version>\bin
```

6 Conclusion

MongoDB installation on Windows is straightforward using the MSI installer. Once installed, MongoDB provides a flexible and scalable NoSQL database solution suitable for handling unstructured and semi-structured data.