

OUTPUT:

Step 1: Download The Installer

- Go to the download page at <https://www.mongodb.com/try/download/community>
- Choose your OS and your desired MongoDB version.
- Click Download.

Download MongoDB Community Server

MongoDB Enterprise Server

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

6.0.1 (current) ✓

Platform

Windows ✓

Package

msi ✓

Download

Copy Link

Current releases & packages

Development releases

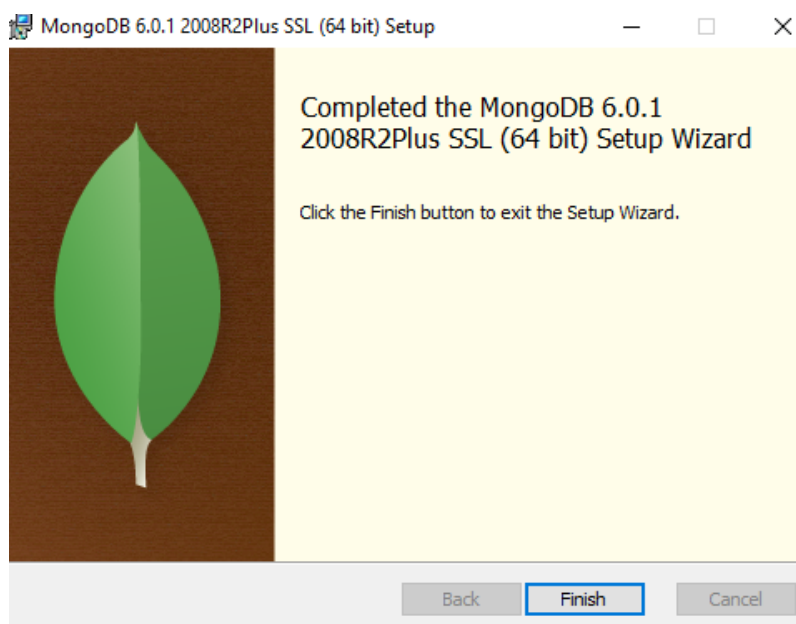
Archived releases

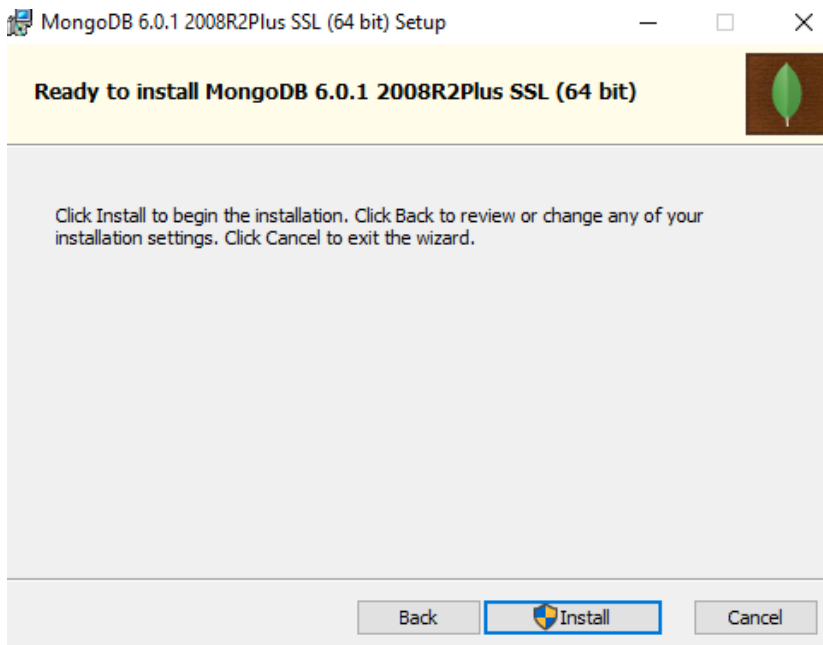
Changelog

Release Notes

Step 2: Run The MongoDB Installer(a .msi file)

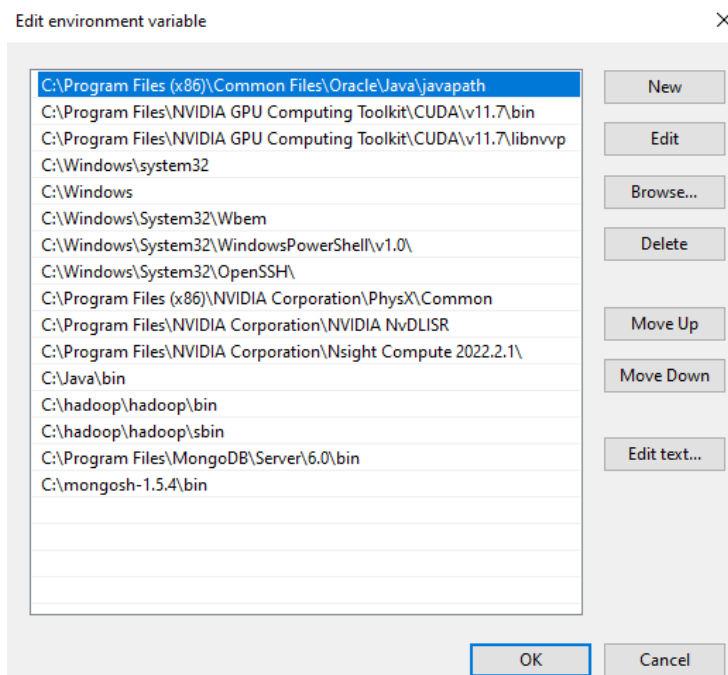
- Go to your 'Downloads' folder.
- Click on the installer.





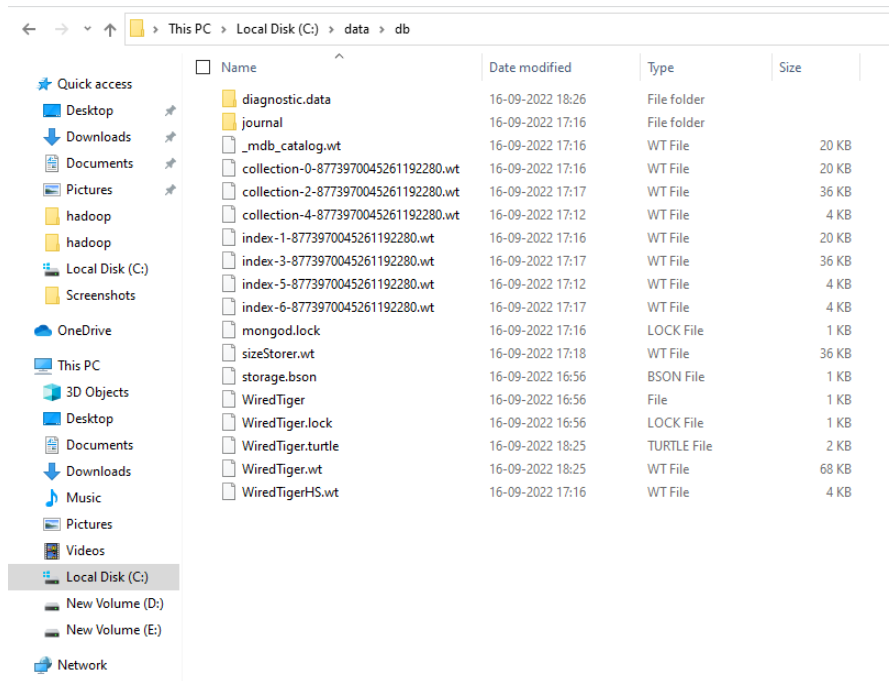
Step 3: Specify An Environment Variable

- Go to your system settings or type “Advanced system settings” in the search bar.
- Click ‘Environment Variables’ under ‘Advanced’.
- Click ‘New’ to create an environment variable.
- Select the ‘Path’ variable and click on ‘Edit’.
- Change the environment variable to C:\Program Files\MongoDB\Server\{version}\bin. Where version is the MongoDB version you downloaded.
- Click Save.



Step 4: Configure a Data Directory For All MongoDB Files

To configure a data directory for MongoDB, create a directory called 'MongoDBFiles' with subdirectories '/data/db'.



Step 5: Check the MongoDB version

Command: `mongod --version`

```
Microsoft Windows [Version 10.0.19044.1889]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Anuja>cd C:\Program Files\MongoDB\Server\6.0\bin

C:\Program Files\MongoDB\Server\6.0\bin>mongod --version
db version v6.0.1
Build Info: {
  "version": "6.0.1",
  "gitVersion": "32f0f9c88dc44a2c8073a5bd47cf779d4bfdee6b",
  "modules": [],
  "allocator": "tcmalloc",
  "environment": {
    "distmod": "windows",
    "distarch": "x86_64",
    "target_arch": "x86_64"
  }
}
```

Step 6: Run the MongoDB server

Command: mongod

Mongod is the "Mongo Daemon" ; it is basically the host process for the database. Mongod is a background process used by MongoDB. The main purpose of mongod is to manage all the MongoDB server tasks. For instance, accepting requests, responding to clients, and memory management. Mongo is a command line shell that can interact with the client.

```
Microsoft Windows [Version 10.0.19044.2006]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Anuja>mongod
{"t":{"$date":"2022-09-20T17:16:30.791+05:30"},"s":"I", "c":"CONTROL", "id":23285, "ctx":"main","msg":"Automatic
ally disabling TLS 1.0, to force-enable TLS 1.0 specify --sslDisabledProtocols 'none'"}
{"t":{"$date":"2022-09-20T17:16:30.793+05:30"},"s":"I", "c":"NETWORK", "id":4915701, "ctx":"main","msg":"Initializ
ed wire specification", "attr":{"spec":{"incomingExternalClient":{"minWireVersion":0,"maxWireVersion":17},"incomingIn
ternalClient":{"minWireVersion":0,"maxWireVersion":17},"outgoing":{"minWireVersion":6,"maxWireVersion":17},"isIntern
alClient":true}}}
{"t":{"$date":"2022-09-20T17:16:32.289+05:30"},"s":"I", "c":"NETWORK", "id":4648602, "ctx":"main","msg":"Implicit
TCP FastOpen in use."}
{"t":{"$date":"2022-09-20T17:16:32.291+05:30"},"s":"I", "c":"REPL", "id":5123008, "ctx":"main","msg":"Successfu
lly registered PrimaryOnlyService", "attr":{"service":"TenantMigrationDonorService", "namespace":"config.tenantMigrati
onDonors"}}
{"t":{"$date":"2022-09-20T17:16:32.291+05:30"},"s":"I", "c":"REPL", "id":5123008, "ctx":"main","msg":"Successfu
lly registered PrimaryOnlyService", "attr":{"service":"TenantMigrationRecipientService", "namespace":"config.tenantMig
rationRecipients"}}
{"t":{"$date":"2022-09-20T17:16:32.291+05:30"},"s":"I", "c":"REPL", "id":5123008, "ctx":"main","msg":"Successfu
lly registered PrimaryOnlyService", "attr":{"service":"ShardSplitDonorService", "namespace":"config.tenantSplitDonors"
}}
{"t":{"$date":"2022-09-20T17:16:32.291+05:30"},"s":"I", "c":"CONTROL", "id":5945603, "ctx":"main","msg":"Multi thr
eading initialized"}
{"t":{"$date":"2022-09-20T17:16:32.292+05:30"},"s":"I", "c":"CONTROL", "id":4615611, "ctx":"initandlisten","msg":"
MongoDB starting", "attr":{"pid":9516, "port":27017, "dbPath":"C:/data/db/", "architecture":"64-bit", "host":"DESKTOP-00U
H6GG"}}
{"t":{"$date":"2022-09-20T17:16:32.292+05:30"},"s":"I", "c":"CONTROL", "id":23398, "ctx":"initandlisten","msg":"
Target operating system minimum version", "attr":{"targetMinOS":"Windows 7/Windows Server 2008 R2"}}

{"t":{"$date":"2022-09-20T17:16:32.293+05:30"},"s":"I", "c":"CONTROL", "id":23403, "ctx":"initandlisten","msg":"
Build Info", "attr":{"buildInfo":{"version":"6.0.1", "gitVersion":"32f0f9c88dc44a2c8073a5bd47cf779d4bfdee6b", "modules"
:[]}, "allocator":"tcmalloc", "environment":{"distmod":"windows", "distarch":"x86_64", "target_arch":"x86_64"}}}
{"t":{"$date":"2022-09-20T17:16:32.293+05:30"},"s":"I", "c":"CONTROL", "id":51765, "ctx":"initandlisten","msg":"
Operating System", "attr":{"os":{"name":"Microsoft Windows 10", "version":"10.0 (build 19044)}}}
{"t":{"$date":"2022-09-20T17:16:32.293+05:30"},"s":"I", "c":"CONTROL", "id":21951, "ctx":"initandlisten","msg":"
Options set by command line", "attr":{"options":{}}}
{"t":{"$date":"2022-09-20T17:16:32.304+05:30"},"s":"I", "c":"STORAGE", "id":22270, "ctx":"initandlisten","msg":"
Storage engine to use detected by data files", "attr":{"dbpath":"C:/data/db/", "storageEngine":"wiredTiger"}}
{"t":{"$date":"2022-09-20T17:16:32.308+05:30"},"s":"I", "c":"STORAGE", "id":22315, "ctx":"initandlisten","msg":"
Opening WiredTiger", "attr":{"config":"create,cache_size=3497M,session_max=33000,eviction=(threads_min=4,threads_max=
4),config_base=false,statistics=(fast),log=(enabled=true,remove=true,path=journal,compressor=snappy),builtin_extensi
on_config=(zstd=(compression_level=6)),file_manager=(close_idle_time=600,close_scan_interval=10,close_handle_minimum
=2000),statistics_log=(wait=0),json_output=(error,message),verbose=[recovery_progress:1,checkpoint_progress:1,compac
t_progress:1,backup:0,checkpoint:0,compact:0,evict:0,history_store:0,recovery:0,rts:0,salvage:0,tiered:0,timestamp:0
,transaction:0,verify:0,log:0],"}]}
{"t":{"$date":"2022-09-20T17:16:32.886+05:30"},"s":"I", "c":"STORAGE", "id":4795906, "ctx":"initandlisten","msg":"
WiredTiger opened", "attr":{"durationMillis":578}}
{"t":{"$date":"2022-09-20T17:16:32.886+05:30"},"s":"I", "c":"RECOVERY", "id":23987, "ctx":"initandlisten","msg":"
WiredTiger recoveryTimestamp", "attr":{"recoveryTimestamp":{"$timestamp":{"t":0,"i":0}}}}
{"t":{"$date":"2022-09-20T17:16:32.888+05:30"},"s":"I", "c":"WT", "id":4366408, "ctx":"initandlisten","msg":"
No table logging settings modifications are required for existing WiredTiger tables", "attr":{"loggingEnabled":true}}

{"t":{"$date":"2022-09-20T17:16:32.906+05:30"},"s":"W", "c":"CONTROL", "id":22120, "ctx":"initandlisten","msg":"
Access control is not enabled for the database. Read and write access to data and configuration is unrestricted", "ta
gs":["startupWarnings"]}
{"t":{"$date":"2022-09-20T17:16:32.907+05:30"},"s":"W", "c":"CONTROL", "id":22140, "ctx":"initandlisten","msg":"
This server is bound to localhost. Remote systems will be unable to connect to this server. Start the server with --
```

```
Command Prompt - mongod

This server is bound to localhost. Remote systems will be unable to connect to this server. Start the server with --bind_ip <address> to specify which IP addresses it should serve responses from, or with --bind_ip_all to bind to all interfaces. If this behavior is desired, start the server with --bind_ip 127.0.0.1 to disable this warning,"tags":["startupWarnings"]}
{"t":{"$date":"2022-09-20T17:16:32.934+05:30"},"s":"I", "c":"NETWORK", "id":4915702, "ctx":"initandlisten","msg":"Updated wire specification","attr":{"oldSpec":{"incomingExternalClient":{"minWireVersion":0,"maxWireVersion":17},"incomingInternalClient":{"minWireVersion":0,"maxWireVersion":17},"outgoing":{"minWireVersion":6,"maxWireVersion":17},"isInternalClient":true},"newSpec":{"incomingExternalClient":{"minWireVersion":0,"maxWireVersion":17},"incomingInternalClient":{"minWireVersion":17,"maxWireVersion":17},"outgoing":{"minWireVersion":17,"maxWireVersion":17},"isInternalClient":true}}}
{"t":{"$date":"2022-09-20T17:16:32.934+05:30"},"s":"I", "c":"REPL", "id":5853300, "ctx":"initandlisten","msg":"current featureCompatibilityVersion value","attr":{"featureCompatibilityVersion":"6.0","context":"startup"}}
{"t":{"$date":"2022-09-20T17:16:32.939+05:30"},"s":"I", "c":"STORAGE", "id":5071100, "ctx":"initandlisten","msg":"Clearing temp directory"}
{"t":{"$date":"2022-09-20T17:16:32.940+05:30"},"s":"I", "c":"CONTROL", "id":20536, "ctx":"initandlisten","msg":"Flow Control is enabled on this deployment"}
{"t":{"$date":"2022-09-20T17:16:33.321+05:30"},"s":"I", "c":"FTDC", "id":20625, "ctx":"initandlisten","msg":"Initializing full-time diagnostic data capture","attr":{"dataDirectory":"C:/data/db/diagnostic.data"}}
{"t":{"$date":"2022-09-20T17:16:33.357+05:30"},"s":"I", "c":"REPL", "id":6015317, "ctx":"initandlisten","msg":"Setting new configuration state","attr":{"newState":"ConfigReplicationDisabled","oldState":"ConfigPreStart"}}
{"t":{"$date":"2022-09-20T17:16:33.357+05:30"},"s":"I", "c":"STORAGE", "id":22262, "ctx":"initandlisten","msg":"Timestamp monitor starting"}
{"t":{"$date":"2022-09-20T17:16:33.366+05:30"},"s":"I", "c":"NETWORK", "id":23015, "ctx":"listener","msg":"Listening on","attr":{"address":"127.0.0.1"}}
{"t":{"$date":"2022-09-20T17:16:33.367+05:30"},"s":"I", "c":"NETWORK", "id":23016, "ctx":"listener","msg":"Waiting for connections","attr":{"port":27017,"ssl":"off"}}
```

Step 7: Running Mongo Shell

MongoDB Mongo shell is an interactive JavaScript interface.

```
Select mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000

Current Mongosh Log ID: 632462659d24bae514203be0
Connecting to:      mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+1.5.4
Using MongoDB:      6.0.1
Using Mongosh:      1.5.4

For mongosh info see: https://docs.mongodb.com/mongodbs-shell/

To help improve our products, anonymous usage data is collected and sent to MongoDB periodically (https://www.mongodb.com/legal/privacy-policy).
You can opt-out by running the disableTelemetry() command.

-----
The server generated these startup warnings when booting
  2022-09-16T16:51:55.414+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
-----

-----
Enable MongoDB's free cloud-based monitoring service, which will then receive and display metrics about your deployment (disk utilization, CPU, operation statistics, etc).

The monitoring data will be available on a MongoDB website with a unique URL accessible to you and anyone you share the URL with. MongoDB may use this information to make product improvements and to suggest MongoDB products and deployment options to you.

To enable free monitoring, run the following command: db.enableFreeMonitoring()
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()
-----

test>
```

Step 8: Example:

📌 Select mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000

```
test> show dbs
admin    40.00 KiB
config   60.00 KiB
local    40.00 KiB
test> use anuja
switched to db anuja
anuja> db
anuja
anuja> show dbs
admin    40.00 KiB
config   108.00 KiB
local    40.00 KiB
anuja> db.createCollection("students")
{ ok: 1 }
anuja> db.students.insertOne({"roll no":17, "name":"anuja"})
{
  acknowledged: true,
  insertedId: ObjectId("63246894b321c513ebab56dc")
}
anuja> show collections
students
anuja> db.students.find().pretty()
[
  {
    _id: ObjectId("63246894b321c513ebab56dc"),
    'roll no': 17,
    name: 'anuja'
  }
]
anuja> db.students.drop()
true
anuja> show collections

anuja> db.dropDatabase()
{ ok: 1, dropped: 'anuja' }
anuja> show dbs
admin    40.00 KiB
config   108.00 KiB
local    40.00 KiB
anuja>
```