Overview[¶](https://docs.mongodb.com/manual/tutorial/install-mongodb-on-windows/#overview)

Use this tutorial to install MongoDB Community Edition on Windows systems.

**PLATFORM SUPPORT**

Starting in version 2.2, MongoDB does not support Windows XP. Please use a more recent version of Windows to use more recent releases of MongoDB.

**IMPORTANT**

If you are running any edition of Windows Server 2008 R2 or Windows 7, please install [a hotfix to resolve an issue with memory mapped files on Windows](http://support.microsoft.com/kb/2731284).

Requirements

MongoDB Community Edition requires Windows Server 2008 R2, Windows Vista, or later. The .msi installer includes all other software dependencies and will automatically upgrade any older version of MongoDB installed using an .msi file.

Get MongoDB Community Edition

**NOTE**

To install a version of MongoDB prior to 3.2, please refer to that version’s documentation. For example, see version [3.0](https://docs.mongodb.com/v3.0/tutorial/install-mongodb-on-windows/).

**1**

**Determine which MongoDB build you need.**

The following MongoDB builds are available for Windows:

**MongoDB for Windows 64-bit** runs only on Windows Server 2008 R2, Windows 7 64-bit, and newer versions of Windows. This build takes advantage of recent enhancements to the Windows Platform and cannot operate on older versions of Windows.

**MongoDB for Windows 64-bit Legacy** runs on Windows Vista, and Windows Server 2008 and does not include recent performance enhancements.

To find which version of Windows you are running, enter the following commands in the **Command Prompt** or **Powershell**:

wmic os get caption

wmic os get osarchitecture

**2**

**Download MongoDB for Windows.**

Download the latest production release of MongoDB from the [MongoDB downloads page](http://www.mongodb.org/downloads). Ensure you download the correct version of MongoDB for your Windows system. The 64-bit versions of MongoDB do not work with 32-bit Windows.

Install MongoDB Community Edition

**Interactive Installation**

**1**

**Install MongoDB for Windows.**

In Windows Explorer, locate the downloaded MongoDB .msi file, which typically is located in the default Downloads folder. Double-click the .msi file. A set of screens will appear to guide you through the installation process.

You may specify an installation directory if you choose the “Custom” installation option.

**NOTE**

These instructions assume that you have installed MongoDB to C:\ProgramFiles\MongoDB\Server\3.2\.

MongoDB is self-contained and does not have any other system dependencies. You can run MongoDB from any folder you choose. You may install MongoDB in any folder (e.g. D:\test\mongodb).

**Unattended Installation**

You may install MongoDB Community unattended on Windows from the command line using msiexec.exe.

**1**

**Open an Administrator command prompt.**

Press the Win key, type cmd.exe, and press Ctrl + Shift + Enter to run the **Command Prompt** as Administrator.

Execute the remaining steps from the Administrator command prompt.

**2**

**Install MongoDB for Windows.**

Change to the directory containing the .msi installation binary of your choice and invoke:

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msiexec.exe /q /i mongodb-win32-x86\_64-2008plus-ssl-3.4.2-signed.msi ^

INSTALLLOCATION="C:\Program Files\MongoDB\Server\3.4.2\" ^

ADDLOCAL="all"

You can specify the installation location for the executable by modifying the INSTALLLOCATION value.

By default, this method installs all MongoDB binaries. To install specific MongoDB component sets, you can specify them in the ADDLOCAL argument using a comma-separated list including one or more of the following component sets:

|  |  |
| --- | --- |
| **Component Set** | **Binaries** |
| Server | mongod.exe |
| Router | mongos.exe |
| Client | mongo.exe |
| MonitoringTools | mongostat.exe, mongotop.exe |
| ImportExportTools | mongodump.exe, mongorestore.exe, mongoexport.exe, mongoimport.exe |
| MiscellaneousTools | bsondump.exe, mongofiles.exe, mongooplog.exe, mongoperf.exe |

For instance, to install *only* the MongoDB utilities, invoke:

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msiexec.exe /q /i mongodb-win32-x86\_64-2008plus-ssl-3.4.2-signed.msi ^

INSTALLLOCATION="C:\Program Files\MongoDB\Server\3.4.2\" ^

ADDLOCAL="MonitoringTools,ImportExportTools,MiscellaneousTools"

Run MongoDB Community Edition

**WARNING**

Do not make [mongod.exe](https://docs.mongodb.com/manual/reference/program/mongod.exe/#bin.mongod.exe) visible on public networks without running in “Secure Mode” with the authsetting. MongoDB is designed to be run in trusted environments, and the database does not  enable “Secure Mode” by default.

**1**

**Set up the MongoDB environment.**

MongoDB requires a [data directory](https://docs.mongodb.com/manual/reference/glossary/#term-dbpath) to store all data. MongoDB’s default data directory path is the absolute path \data\db on the drive from which you start MongoDB. Create this folder by running the following command in a **Command Prompt**:

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md \data\db

You can specify an alternate path for data files using the --dbpath option to [mongod.exe](https://docs.mongodb.com/manual/reference/program/mongod.exe/#bin.mongod.exe), for example:

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"C:\Program Files\MongoDB\Server\3.4\bin\mongod.exe" --dbpath d:\test\mongodb\data

If your path includes spaces, enclose the entire path in double quotes, for example:

Copy

"C:\Program Files\MongoDB\Server\3.4\bin\mongod.exe" --dbpath "d:\test\mongo db data"

You may also specify the dbpath in a [configuration file](https://docs.mongodb.com/manual/reference/configuration-options/).

**2**

**Start MongoDB.**

To start MongoDB, run [mongod.exe](https://docs.mongodb.com/manual/reference/program/mongod.exe/#bin.mongod.exe). For example, from the **Command Prompt**:

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"C:\Program Files\MongoDB\Server\3.4\bin\mongod.exe"

This starts the main MongoDB database process. The waiting for connections message in the console output indicates that the [mongod.exe](https://docs.mongodb.com/manual/reference/program/mongod.exe/#bin.mongod.exe) process is running successfully.

Depending on the security level of your system, Windows may pop up a **Security Alert** dialog box about blocking “some features” of C:\ProgramFiles\MongoDB\Server\3.4\bin\mongod.exe from communicating on networks. All users should select Private Networks, such as my home or work network and click Allowaccess. For additional information on security and MongoDB, please see the [Security Documentation](https://docs.mongodb.com/manual/security/).

**3**

**Connect to MongoDB.**

To connect to MongoDB through the [mongo.exe](https://docs.mongodb.com/manual/reference/program/mongo/#bin.mongo) shell, open another **Command Prompt**.

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"C:\Program Files\MongoDB\Server\3.4\bin\mongo.exe

If you want to develop applications using .NET, see the documentation of [C# and MongoDB](https://docs.mongodb.com/ecosystem/drivers/csharp) for more information.

**4**

**Begin using MongoDB.**

To help you start using MongoDB, MongoDB provides [Getting Started Guides](https://docs.mongodb.com/manual/#getting-started) in various driver editions. See [Getting Started](https://docs.mongodb.com/manual/#getting-started) for the available editions.

Before deploying MongoDB in a production environment, consider the [Production Notes](https://docs.mongodb.com/manual/administration/production-notes/) document.

Later, to stop MongoDB, press Control+C in the terminal where the [mongod](https://docs.mongodb.com/manual/reference/program/mongod/#bin.mongod) instance is running.

Configure a Windows Service for MongoDB Community Edition

**1**

**Open an Administrator command prompt.**

Press the Win key, type cmd.exe, and press Ctrl + Shift + Enter to run the **Command Prompt** as Administrator.

Execute the remaining steps from the Administrator command prompt.

**2**

**Create directories.**

Create directories for your database and log files:

mkdir c:\data\db

mkdir c:\data\log

**3**

**Create a configuration file.**

Create a configuration file. The file **must** set [systemLog.path](https://docs.mongodb.com/manual/reference/configuration-options/#systemLog.path). Include additional [configuration options](https://docs.mongodb.com/manual/reference/configuration-options/) as appropriate.

For example, create a file at C:\Program Files\MongoDB\Server\3.4\mongod.cfg that specifies both [systemLog.path](https://docs.mongodb.com/manual/reference/configuration-options/#systemLog.path) and [storage.dbPath](https://docs.mongodb.com/manual/reference/configuration-options/#storage.dbPath):

systemLog:

destination: file

path: c:\data\log\mongod.log

storage:

dbPath: c:\data\db

**4**

**Install the MongoDB service.**

**IMPORTANT**

Run all of the following commands in **Command Prompt** with “Administrative Privileges”.

Install the MongoDB service by starting [mongod.exe](https://docs.mongodb.com/manual/reference/program/mongod.exe/#bin.mongod.exe) with the --install option and the -configoption to specify the previously created configuration file.

"C:\Program Files\MongoDB\Server\3.4\bin\mongod.exe" --config "C:\Program Files\MongoDB\Server\3.4\mongod.cfg" --install

To use an alternate dbpath, specify the path in the configuration file (e.g. C:\mongodb\mongod.cfg) or on the command line with the --dbpath option.

If needed, you can install services for multiple instances of [mongod.exe](https://docs.mongodb.com/manual/reference/program/mongod.exe/#bin.mongod.exe) or [mongos.exe](https://docs.mongodb.com/manual/reference/program/mongos.exe/#bin.mongos.exe). Install each service with a unique --serviceName and --serviceDisplayName. Use multiple instances only when sufficient system resources exist and your system design requires it.

**5**

**Start the MongoDB service.**

net start MongoDB

**6**

**Stop or remove the MongoDB service as needed.**

To stop the MongoDB service use the following command:

net stop MongoDB

To remove the MongoDB service use the following command:

"C:\Program Files\MongoDB\Server\3.4\bin\mongod.exe" --remove