

# Install MongoDB on Windows

## Overview

Use this tutorial to install MongoDB on a 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](#).

## Install MongoDB

### Determine which MongoDB build you need.

There are three builds of MongoDB for Windows:

**MongoDB for Windows Server 2008 R2 edition** (i.e. 2008R2) 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** runs on any 64-bit version of Windows newer than Windows XP, including Windows Server 2008 R2 and Windows 7 64-bit.

**MongoDB for Windows 32-bit** runs on any 32-bit version of Windows newer than Windows XP. 32-bit versions of MongoDB are only intended for older systems and for use in testing and development systems. 32-bit versions of MongoDB only support databases smaller than 2GB.

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

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```
wmic os get osarchitecture
```

## Download MongoDB for Windows.

Download the latest production release of MongoDB from the [MongoDB downloads page](#). Ensure you download the correct version of MongoDB for your Windows system. The 64-bit versions of MongoDB does not work with 32-bit Windows.

## Install the downloaded file.

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.

## Move the MongoDB folder to another location (optional).

To move the MongoDB folder, you must issue the move command as an Administrator. For example, to move the folder to `C:\mongodb`:

Select *Start Menu > All Programs > Accessories*.

Right-click *Command Prompt* and select *Run as Administrator* from the popup menu.

Issue the following commands:

```
cd \  
  
move C:\mongodb-win32-* C:\mongodb
```

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`)

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## Run MongoDB

### WARNING

Do not make [mongod.exe](#) visible on public networks without running in “Secure Mode” with the `auth` setting. MongoDB is designed to be run in trusted environments, and the database does not enable “Secure Mode” by default.

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### Set up the MongoDB environment.

MongoDB requires a [data directory](#) to store all data. MongoDB’s default data directory path is `\data\db`. Create this folder using the following commands from a *Command Prompt*:

```
md \data\db
```

You can specify an alternate path for data files using the `--dbpath` option to [mongod.exe](#), for example:

```
C:\mongodb\bin\mongod.exe --dbpath d:\test\mongodb\data
```

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

```
C:\mongodb\bin\mongod.exe --dbpath "d:\test\mongo db data"
```

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### Start MongoDB.

To start MongoDB, run [mongod.exe](#). For example, from the *Command Prompt*:

```
C:\Program Files\MongoDB\bin\mongod.exe
```

This starts the main MongoDB database process. The `waiting for connections` message in the console output indicates that the [mongod.exe](#) process is running successfully.

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

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### Connect to MongoDB.

To connect to MongoDB through the [mongo.exe](#) shell, open another *Command Prompt*. When connecting, specify the data directory if necessary. This step provides several example connection commands.

If your MongoDB installation uses the default data directory, connect without specifying the data directory:

```
C:\mongodb\bin\mongo.exe
```

If your installation uses a different data directory, specify the directory when connecting, as in this example:

```
C:\mongodb\bin\mongod.exe --dbpath d:\test\mongodb\data
```

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

```
C:\mongodb\bin\mongod.exe --dbpath "d:\test\mongo db data"
```

If you want to develop applications using .NET, see the documentation of [C# and MongoDB](#) for more information.

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## **Begin using MongoDB.**

To begin using MongoDB, see [Getting Started with MongoDB](#). Also consider the [Production Notes](#) document before deploying MongoDB in a production environment.

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.. default-domain:: mongod

Overview

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R2 or Windows 7, please install `a hotfix to resolve an issue with

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Install MongoDB

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.. include:: /includes/steps/install-mongodb-on-windows.rst

Run MongoDB

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.. warning::

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.. include:: /includes/steps/run-mongodb-on-windows.rst

.. \_tutorial-mongod-as-windows-service:

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## Configure a Windows Service for MongoDB

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.. note::

There is a known issue for MongoDB 2.6.0, :issue:`SERVER-13515`, which prevents the use of the instructions in this section. For MongoDB 2.6.0, use :ref:`manually-create-windows-service` to create a Windows Service for MongoDB instead.

.. include:: /includes/steps/configure-windows-service-for-mongodb.rst

.. \_manually-create-windows-service:

## Manually Create a Windows Service for MongoDB

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The following procedure assumes you have installed MongoDB using the



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MSI installer, with the default path ``C:\Program Files\MongoDB

2.6 Standard``.

If you have installed in an alternative directory, you will need to

adjust the paths as appropriate.

.. include:: /includes/steps/create-manually-windows-service-for-mongodb.rst