

# Installing on Windows

## Overview



### Make sure you have reviewed the overall installation process

Before you proceed with the instructions on this page, make sure you have reviewed the whole installation procedure as described in [Installing Artifactory](#).

There are three ways to install Artifactory on your Windows system:

- [Manual Installation](#)
- [Service Installation](#)
- [As a Docker Image](#)

Unzip the Artifactory download file to a location on your file system.

This will be your `%ARTIFACTORY_HOME%` location.

Define this location as an environment variable called `ARTIFACTORY_HOME`.

## Configuring Your Database and Filestore

Once you have completed installing Artifactory, make sure you configure its database and filestore according to your preference. For details, please refer to [Configuring the Database](#) and [Configuring the Filestore](#).

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## Requirements

### Setting JAVA\_HOME

As mentioned in the section on [System Requirements](#), make sure that your `JAVA_HOME` environment variable is correctly set to your JDK installation.



### Troubleshooting

Note that normally the installation path to your `JAVA_HOME` might include a space, e.g. `c:\Program Files (x86)\java\jdk`, this might cause an issue and result in error "Files was unexpected at this time", in which case you will need to replace the `Program Files (x86)` with `PROGR A~2` and make sure there are no spaces in the path.

## Setting Java Memory Parameters

While not a strict requirement, it is recommended to modify the JVM memory parameters used to run Artifactory.

This is done by modifying the `JAVA_OPTIONS` variable in `artifactory.bat`, for a [manual installation](#), or the `JOPTS` variable in `installService.bat` when running Artifactory as a [service](#).

For your changes to take effect you need to stop Artifactory and then rerun the modified file.

If you can reserve at least 512MB for Artifactory, the recommended values for JVM parameters are as follows:



### Recommended JVM parameter settings

The larger your repository or number of concurrent users, the larger you need to make the `-Xms` and `-Xmx` values accordingly.

Recommended values are:

```
-server -Xms512m -Xmx2g -Xss256k -XX:+UseG1GC
```

## Manual Installation

Browse to `%ARTIFACTORY_HOME%\bin` and execute the file `artifactory.bat`. This script searches for the Java executable and runs Artifactory's main class.

### Security settings

Depending on the security settings under Windows, you might need to run *artifactory.bat* using 'Run as administrator'



Don't forget to modify your [JVM parameters](#) as needed by setting `JAVA_OPTIONS` in `ARTIFACTORY_HOME/bin/artifactory.bat`.

To test your installation see [Accessing Artifactory](#).

## Service Installation

Artifactory makes use of the [Apache Commons Procrun](#) components allowing you to install the application as a Windows Service.

To run Artifactory as a Windows service, browse to `%ARTIFACTORY_HOME%\bin`, and execute the file *InstallService.bat*.

By editing *InstallService.bat*, you can modify default properties such as `JOPTS` and the log directory.

For your changes to take effect you need to stop the currently running Artifactory service and run *InstallService.bat* again once you have completed your modifications.

To test your installation see [Accessing Artifactory](#).



### Security

Windows 8 implements strict User Account Control (UAC). You must either disable UAC or right-click on *cmd.exe* and select "Run as administrator" in order to run this script.



### Running on 32 bit Windows

If you are running a 32 bit version of Windows you need to do the following:

- Download the latest version of the [Apache Commons Daemon](#).
- Take *prunsvr.exe* from the downloaded archive and rename it to *artifactory-service.exe*
- Replace the current *artifactory-service.exe* found in your `%ARTIFACTORY_HOME%\bin` directory



Don't forget to modify your [JVM parameters](#) as needed by setting `JAVA_OPTIONS` in `ARTIFACTORY_HOME/etc/default`.

You need to reinstall the service for your changes to take effect.

## Running Artifactory

After installing Artifactory you need to start the service.

To start or stop Artifactory as a service you can use the following command in a **Command Prompt** window:

### Starting and stopping the Artifactory service

```
sc start|stop Artifactory
```



### Checking the status of the Artifactory service

Once Artifactory is correctly installed, you can check if it is running with:

```
sc query Artifactory
```

You can also use any standard text editor to view the artifactory log data found in `ARTIFACTORY_HOME/logs/artifactory.log`

## Running with Docker

From Version 3.6, Artifactory may be pulled as a Docker Image. To run Artifactory in a Docker container on a Windows system, please refer to [Installing with Docker](#).

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## Accessing Artifactory

Artifactory can be accessed using the following URL:

[http://SERVER\\_DOMAIN:8081/artifactory](http://SERVER_DOMAIN:8081/artifactory).

For example, if you are testing on your local machine you would use: <http://localhost:8081/artifactory>