System Requirements

Supported Platforms

Artifactory has been tested and verified on Linux, Windows (Vista and higher), Solaris and Mac OS X. You should be able to run Artifactory on other platforms, but these have not been tested.

JDK

Artifactory must run with **JDK 8** (JDK 8 update 45 and above preferred) or **JDK 11** (from Artifactory version 6.10).

Artifactory fully supports running with OracleJDK and OpenJDK.

Latest JDK

You can download the latest JDK from the Oracle Java SE Download Site.

JAVA_HOME and JRE_HOME

Make sure your JAVA_HOME environment variable correctly points to your JDK 8 or 11 installation.

If you also have JRE_HOME defined in your system, this will take precedence over JAVA_HOME and therefore you need to either point JRE_HOME to your JDK installation, or remove the JRE_HOME definition.

JVM Memory Allocation

While not a strict requirement, we recommend that you modify the JVM memory parameters used to run Artifactory.

You should reserve at least 512MB for Artifactory, and the recommended values for JVM parameters are as follows:

Recommended JVM parameters

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 -Xmx4g -Xss256k -XX:+UseG1GC
```

To set your JVM parameters according to your platform, please refer to the corresponding instructions for Linux, Solaris or Mac, or Windows.

Browsers

Artifactory has been tested with the latest versions of Google Chrome, Firefox, Internet Explorer and Safari.

Recommended Hardware

The following table provides hardware recommendations for a single server machine:

Number of developers	OS /JVM	Processor	*Memory (RAM) for JVM Heap	Storage
1 - 20	64 bit	4 cores	4GB	Fast disk with free space that is at least 3 times the total size of stored artifacts
20 - 100	64 bit	4 cores	8GB	Fast disk with free space that is at least 3 times the total size of stored artifacts
100 - 200	64 bit	8 cores (16 cores recommended)	12GB	Fast disk with free space that is at least 3 times the total size of stored artifacts (backup SAN recommended)
200+	64 bit	Please contact JFrog support for a recommended setup.		

***Memory (RAM) for JVM Heap**

This specifies the amount of memory that Artifactory requires from the JVM heap. The server machine should have enough additional memory to run the operating system and any other processes running on the machine.

Build machine

For the purposes of this table, a build machine is considered equivalent to 10 developers

Working with Very Large Storage

In most cases, our recommendation is for storage that is at least 3 times the total size of stored artifacts in order to accommodate system backups. However, when working with a very large volume of artifacts, the recommendation may vary greatly according to the specific setup of your system.

Therefore, when working with over **10 Tb** of stored artifacts, please contact JFrog support who will work with you to provide a recommendation for storage that is customized to your specific setup.

High Availability Configuration

If you are running Artifactory in a High Availability configuration, to maintain high system performance in case of single or multiple server crash, we recommend following the recommended hardware guidelines above for each of the HA server instances. For more details, please refer to Artifactory High Availability.

Database Requirements

To avoid network latency issues when reading and writing artifacts data, we strongly recommend creating the database either on a machine that is network close (latency well below 1 ms) to the machine on which Artifactory is running (database engine and storage) with fast storage. This recommendation is critical when using fullDb (whereby files are served from database BLOBs) and the file system cache is small.

For supported databases and more details, please refer to Configuring the Database.

Servlet Containers

Artifactory should be run with its bundled Tomcat 8 servlet container.

From version 5.0, Artifactory is bundled with Tomcat version 8.0.36.