**How to install ArchivesSpace on a Windows server, running against a MySQL database**

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*N.B. For this example we’ll use Windows Server 2008 R2, but ArchivesSpace should install on any Windows OS, including desktop editions.*

Downloads you’ll need (all free):

* Microsoft .NET Framework 4.0 (depending on your version of Windows this way be a component of Windows or a separate download): <https://www.microsoft.com/en-us/download/details.aspx?id=17851>
* MySQL Server (I used MySQL Web Community Server): <http://dev.mysql.com/downloads/>
* MySQL Connector for Java: <http://dev.mysql.com/downloads/connector/j/>
* Java: <https://java.com/en/download/>
* Procrun from Apache: <http://www.apache.org/dist/commons/daemon/binaries/windows/>
* ArchivesSpace: <https://github.com/archivesspace/archivesspace/releases>
1. Install the Microsoft .NET Framework 4.0.
2. Install MySQL Server. The “Server only” choice will be sufficient:



All the defaults are fine. Enter a MySQL Root Password and make a note of it for later use.

1. Install Java.
2. Extract the ArchivesSpace folder from the downloaded ZIP and place it on the root of C:



1. From the downloaded Procrun ZIP, copy prunmgr.exe and prunsrv.exe and place them in the ArchivesSpace folder.



1. Make a note of Java’s install path. For example, in this install the path is C:\Program Files (x86)\Java\jre1.8.0.77:



1. Go into Windows’ Environment Variables by right-clicking Computer, selecting Properties, clicking Advanced Settings, then Environment Variables:







1. Change the “Path” variable to the “bin” directory below the Java path noted above. In this example the path would be C:\Program Files (x86)\Java\jre1.8.0.77\bin



1. Add a new System Variable named JAVA\_HOME and set it to the Java directory above.



1. Reboot.
2. Using the MySQL Command Line Client, create the ArchivesSpace database with default character set UTF-8, username ‘as’ and password ‘as123’. The two lines needed are: “create database archivesspace default character set utf8;” and “grant all on archivesspace.\* to 'as'@'localhost' identified by 'as123';”





1. Open C:\ArchivesSpace\config\config.rb using a text editor.

Change the line starting “#AppConfig[:db\_url]” to: “AppConfig[:db\_url] = "jdbc:mysql://localhost:3306/archivesspace?user=as&password=as123&useUnicode=true&characterEncoding=UTF-8"”

Change the line “#AppConfig[:use\_jetty\_shutdown\_handler] = false” to “AppConfig[:use\_jetty\_shutdown\_handler] = true”

Change the line “#AppConfig[:jetty\_shutdown\_path] = "/xkcd"” to “AppConfig[:jetty\_shutdown\_path] = "/xkcd"”

NB it is important to remove the “#” at the beginning of each of the above lines.

1. From the MySQL connector ZIP, copy the “mysql-connector-java…” JAR file to C:\archivesspace\lib



1. Open a command prompt as an administrator. Navigate to C:\archivesspace\scripts and run setup-database.bat.



1. Navigate to C:\archivesspace\launcher and run service.bat



1. Browse to C:\archivesspace and double-click ArhivesSpaceServicew. Start the service. It will take ArchivesSpace about a minute to start in the background.



1. Go into Windows firewall and allow inbound connections for ArchivesSpace TCP ports 8080, 8081, 8089, and 8090.











1. ArchivesSpace should now be accessible from a web browser using the name of the Windows server and any of the above ports.

