IdentityIQ 8.3 Installation in Windows 11

Introduction:

This document helps you for (local-machine) installation of IdentityIQ version 8.3. The installation demonstrated here is not suitable for a production environment. Refer to the IdentityIQ Hardware Sizing Guide for guidance on the right installation architecture for production environments.

This example install uses these supporting OS/applications:

- Operating System: Windows 11
- Application Server: Java JDK version 1.8.0_351 / Apache Tomcat version 9
- Database: MySQL version 5.8

Instructions

The steps below give you a simple summary of the steps for installing IdentityIQ 8.3 on single PC. You can find a more detailed sandbox-install document here: Setting Up an IdentityIQ Sandbox on Windows.

Step 1: Install the JDK

1. Download JDK 1.8

2. Run the installer as an administrator: right-click on the installer file and choose Run as administrator

2. During installation, you can accept the wizard defaults

3. After the installation is complete, 1. Click on windows button on your keyboard and then type "env". Click on Edit the system environmental variables.
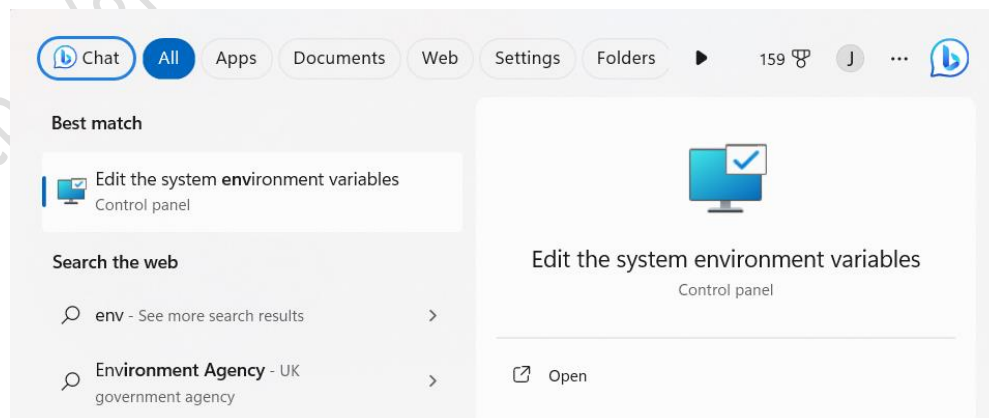
4. Then Click Environment Variables
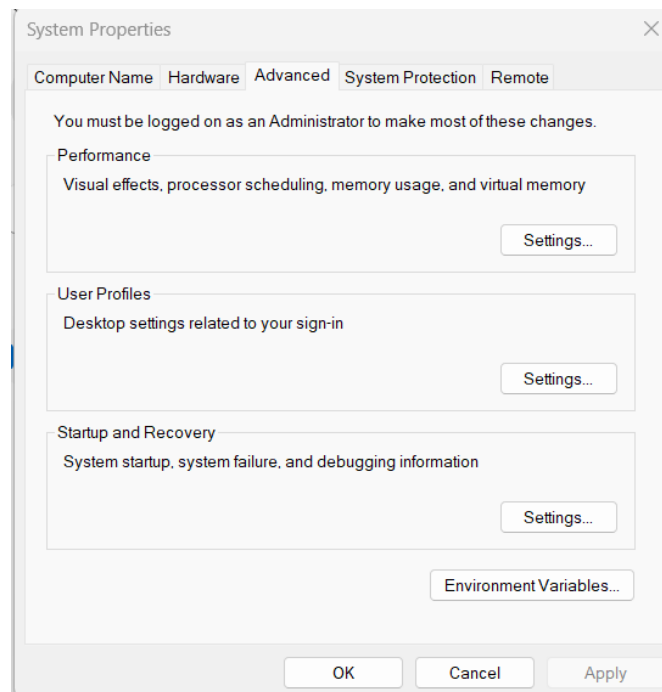
5. Under System variables (lower box in dialog) click New
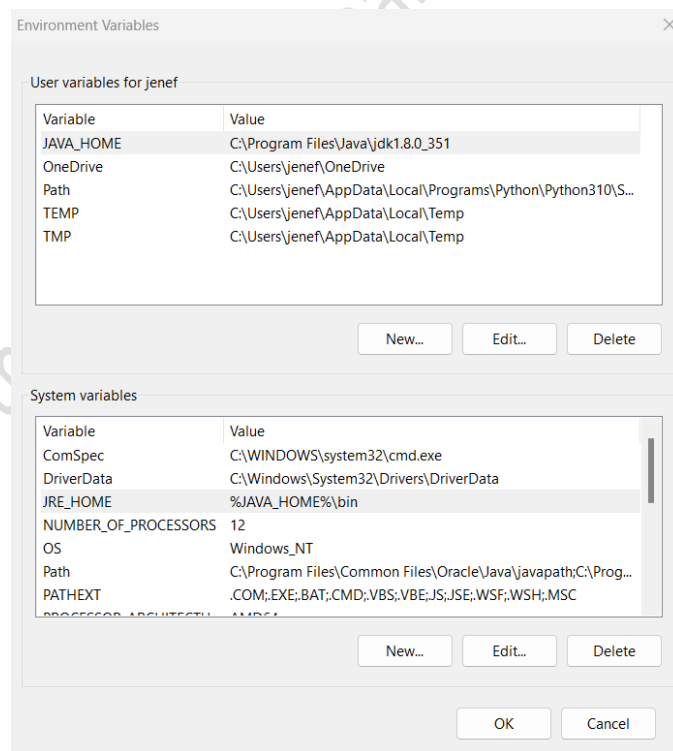
6. Add a JAVA_HOME variable: Enter JAVA_HOME as the variable name, and the path to your JDK install (for example, C:\Program Files\Java\jdk1.8.0_351) as the variable value

7. In the System variables area, find the Path variable and click Edit.

8. Click New to add a new variable: Enter JRE_HOME as the variable name, and the path to your JDK install (for example, %JAVA_HOME%\bin) as the variable value

9. Click OK twice to exit.

10. Test your JDK install: open a command prompt and type javac -version (hit return) and java -version (hit return). If both commands return information about your installed version of the Java toolkit, this indicates that the JDK was installed successfully.

Step 2: Install Apache Tomcat 9.0 Server:

1. Download Apache Tomcat 9.0

   *Note: The JDK must be installed before you install Tomcat*

2. Run the installer as an administrator: right-click on the installer file and choose Run as administrator

apache-tomcat-9.0.82
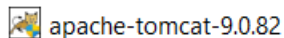
3. During the installation, you can accept the wizard defaults with these two exceptions:

- Check Host Manager to include it with the installed components
- Change the Tomcat install directory to C:\SailPoint\tomcat
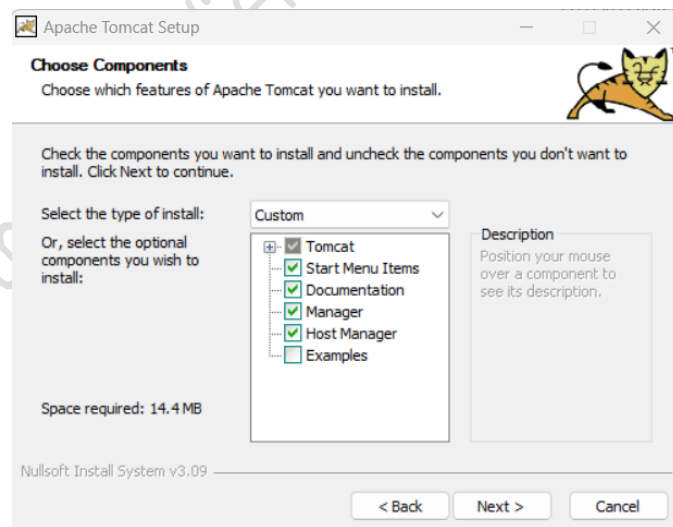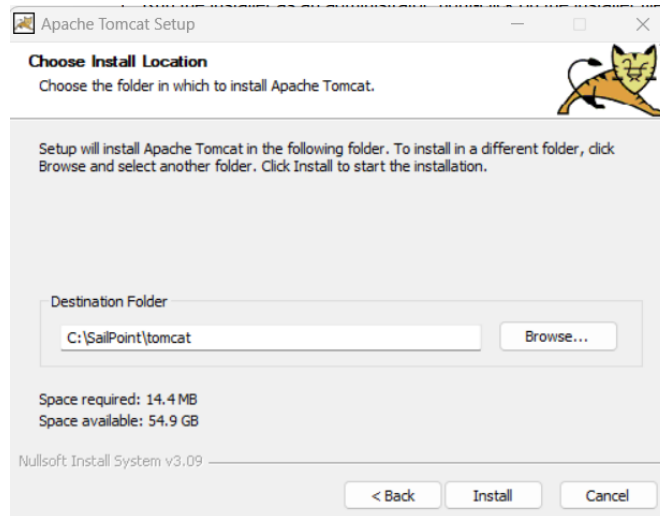
3. When the installation is complete, test the success of the installation by opening a browser and typing this URL: http://localhost:8080 URL A Tomcat splash screen indicates a successful install.
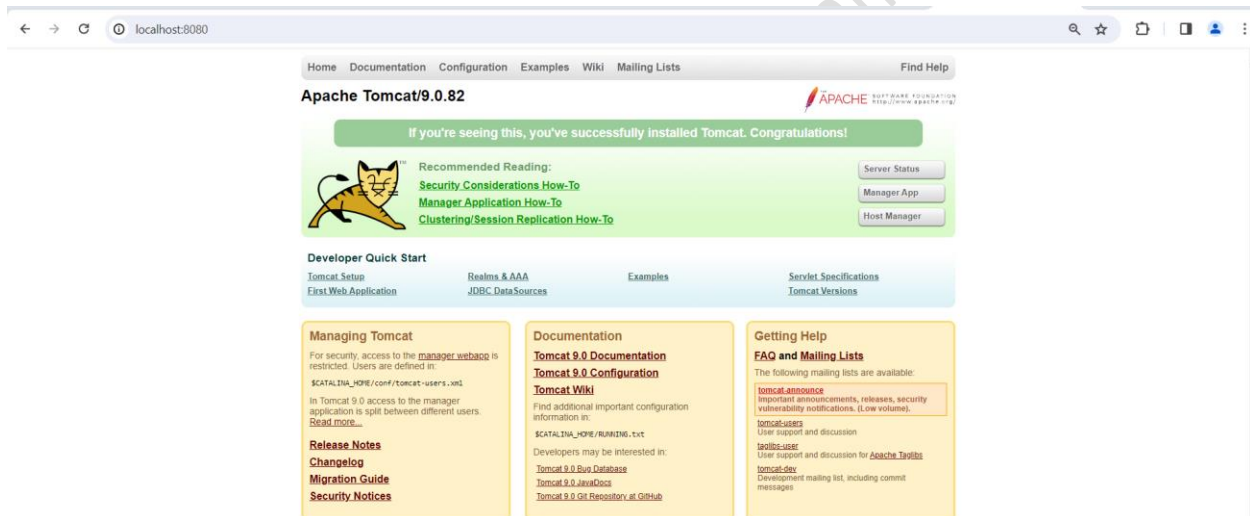
4. Edit some Tomcat settings to optimize for IdentityIQ:

1. Navigate to the \bin directory of your Tomcat install (for example, C:\SailPoint\tomcat\bin). Right click on Tomcat9w and choose Run as administrator
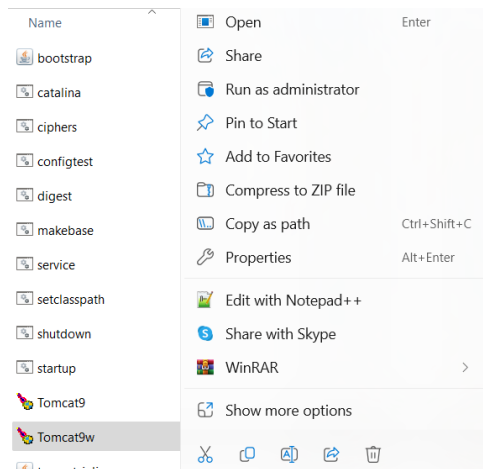
2. On the General tab, set Startup type to Automatic (this will save you having to manually start Tomcat every time you want to launch IdentityIQ)
3. On the Java tab, set the Initial memory pool to 4096 and the Maximum memory pool to 6000.
4. In the Java Options box, add these lines to the end of the text block:

-Dsun.lang.ClassLoader.allowArraySyntax=true

-XX:MaxPermSize=256m

-Djavax.xml.soap.SOAPConnectionFactory=org.apache.axis.soap.SOAPConnectionFactoryImpl

-Djavax.xml.soap.MessageFactory=org.apache.axis.soap.MessageFactoryImpl

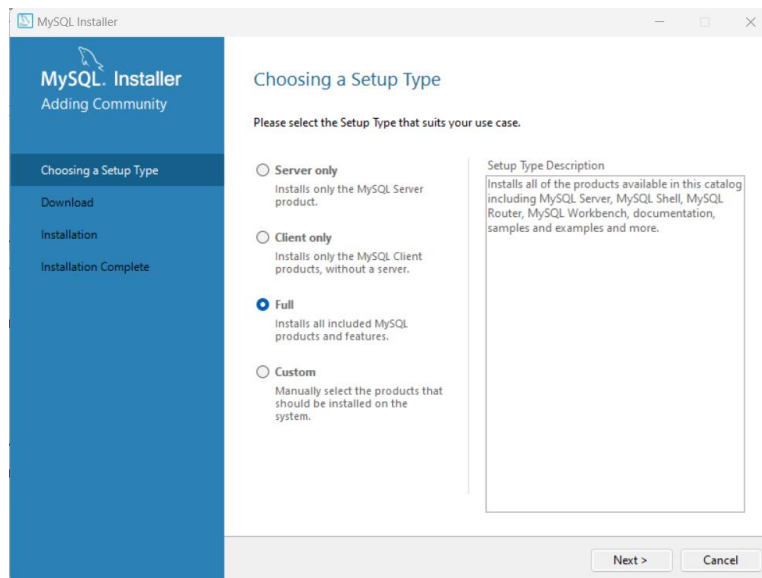-Djavax.xml.soap.SOAPFactory=org.apache.axis.soap.SOAPFactoryImpl
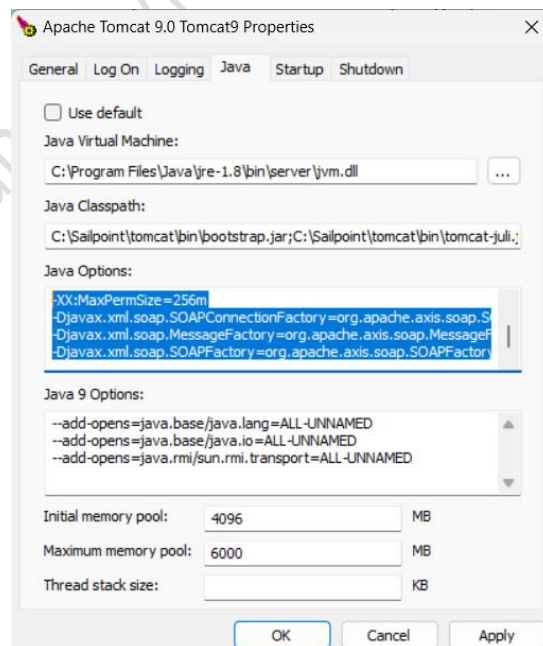
5. Click OK, then on the General tab, use the Stop and Start buttons to restart Tomcat.

Step 3: Install MySQL

Download MySql Installer

1. Double-click the MySQL installer.

2. You can accept the default wizard options for this install. A few things to keep in mind:


- While it is not required to install the MySQL Workbench, this is a useful component that you may want to opt to install.
- As part of the setup, you will need to choose a root password for your MySQL database. Make a note of this password, which you will need later for other configuration steps
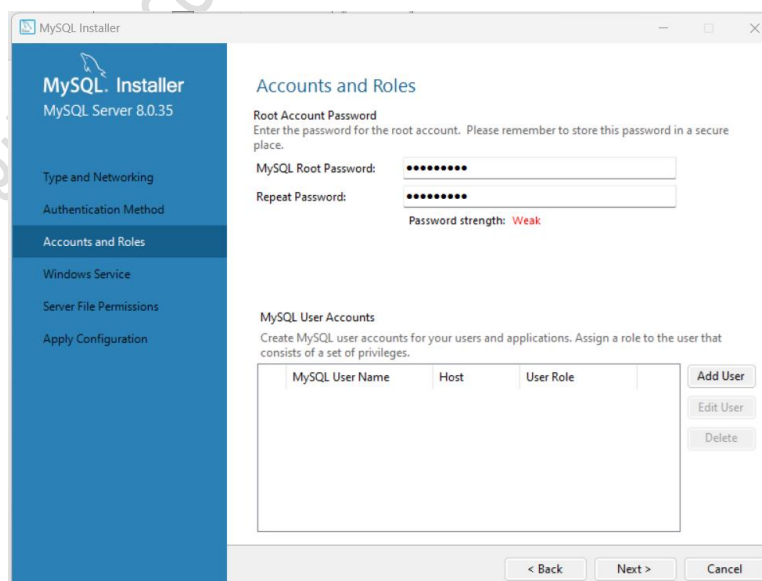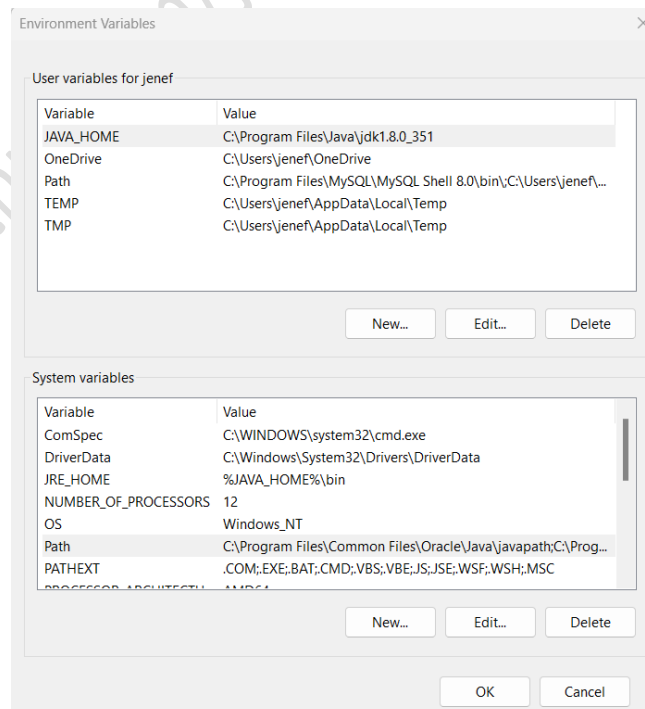
3. After Completing the installation. Now, copy the MySQL bin path as follows.
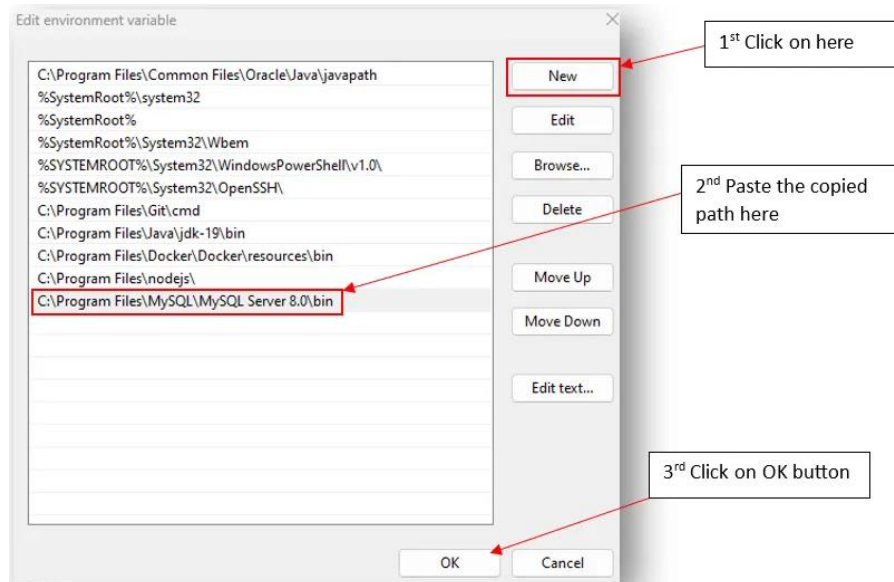
C:\Program Files\MySQL\MySQL Server 8.0\bin

4. Click on windows button on your keyboard and then type "env". Click on Edit the system environmental variables.
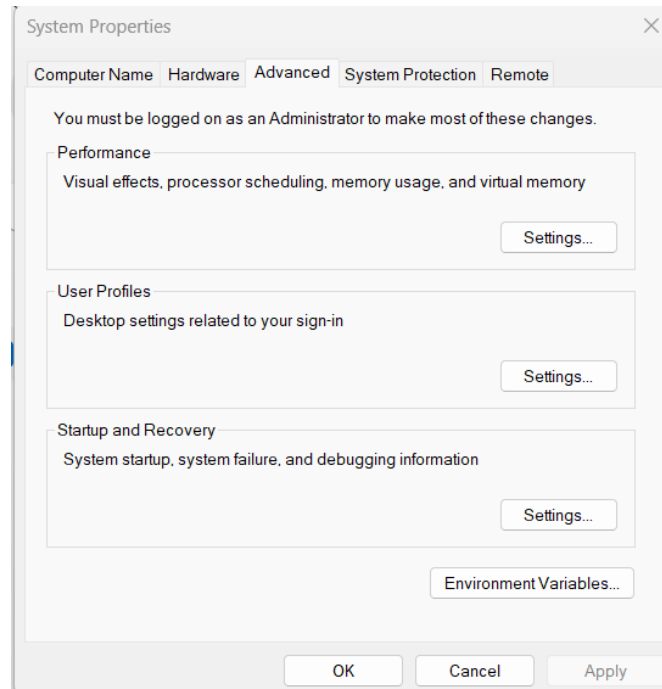
5. Click on "Environment Variables" and then you will see another pop-up window like this.

6. Select "path" and click on the "Edit" button under "System Variables" Then you will see another pop-up window as follows.

7. Restart the Machine.

Step 5: Install IdentityIQ

Sailpoint IdentityIQ 8.3 application

You may require to login into [Sailpoint community](#) to download. The installation files are contained in a .zip file available from SailPoint.
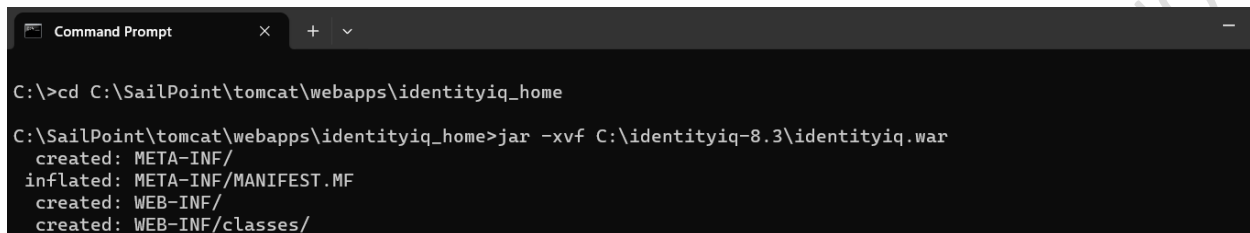
📁 identityiq-8.3

The IdentityIQ installation files and directories are as follows:

- identityiq.war
- database
- doc
- integration
- ConnectorGateway-Feb-2022

1. Unzip the identityiq-8.3.zip file. You can leave the default extraction path of C:\InstallerFiles
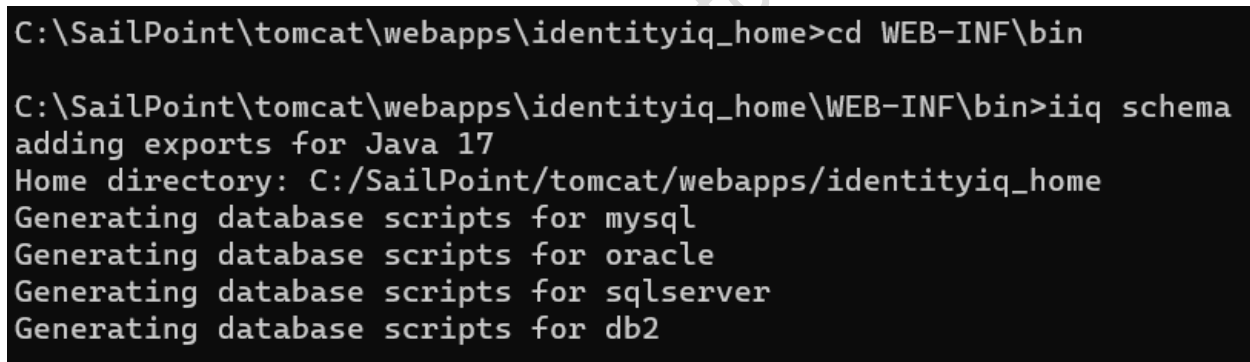\identityiq-8.3 as the destination folder

2. Create an \identityiq_home directory under the Tomcat webapps directory: for example, C:\SailPoint\tomcat\webapps\identityiq_home

3. Open a command prompt as administrator and change to the unzip directory from step one (for example, cd C:\InstallerFiles\identityiq-8.3)

4. Extract the identityiq.war file to the C:\SailPoint\tomcat\webapps\identityiq_home directory by typing jar -xvf C:\InstallerFiles\identityiq-8.3\identityiq.war

```
Command Prompt                 ×    +  ∨                                                    —

C:\>cd C:\SailPoint\tomcat\webapps\identityiq_home

C:\SailPoint\tomcat\webapps\identityiq_home>jar -xvf C:\identityiq-8.3\identityiq.war
 created: META-INF/
inflated: META-INF/MANIFEST.MF
 created: WEB-INF/
 created: WEB-INF/classes/
```

5. Create the database schema:

- In the command prompt window, change to the C:\SailPoint\tomcat\webapps\identityiq\WEB-INF\bin directory
- Enter iiq schema to create the schema

```
C:\SailPoint\tomcat\webapps\identityiq_home>cd WEB-INF\bin

C:\SailPoint\tomcat\webapps\identityiq_home\WEB-INF\bin>iiq schema
adding exports for Java 17
Home directory: C:/SailPoint/tomcat/webapps/identityiq_home
Generating database scripts for mysql
Generating database scripts for oracle
Generating database scripts for sqlserver
Generating database scripts for db2
```

6. Create the database from the schema

- In the command prompt window, change to the C:\SailPoint\tomcat\webapps\identityiq_home\WEB-INF\database directory
- Log in to MySQL by typing mysql -u root -p followed by your MySQL password
- Run this command to load the schema into MySQL: source create_identityiq_tables.mysql

- Check that the database was created by typing show databases; You should see identityiq listed among the databases (there will be other databases listed; these don't matter for IdentityIQ).

- Type quit to exit MySQL.

Step 6: Initialize and launch IdentityIQ

1. Open a command prompt.

2. Navigate to the C:\SailPoint\tomcat\webapps\identityiq_home\WEB-INF\bin directory

3. Launch the iiq console by running this command: iiq console

Allow the console a few moments to launch. The console is running when you see a > symbol in the command prompt.

```
Command Prompt - iiq  consc    ×    +    ∨

Microsoft Windows [Version 10.0.22621.2428]
(c) Microsoft Corporation. All rights reserved.

C:\Users\jenef>cd C:\SailPoint\tomcat\webapps\identityiq_home\WEB-INF\bin

C:\SailPoint\tomcat\webapps\identityiq_home\WEB-INF\bin>iiq console
adding exports for Java 17
Setting iiq.hostname to DESKTOP-RC806PO-console
>
```

4. In the IdentityIQ console, run this command: import init.xml and import init-lcm.xml

```
Command Prompt - iiq  consc    ×    +    ∨

Microsoft Windows [Version 10.0.22621.2428]
(c) Microsoft Corporation. All rights reserved.

C:\Users\jenef>cd C:\SailPoint\tomcat\webapps\identityiq_home\WEB-INF\bin

C:\SailPoint\tomcat\webapps\identityiq_home\WEB-INF\bin>iiq console
adding exports for Java 17
Setting iiq.hostname to DESKTOP-RC806PO-console
> import init.xml
```

```
Command Prompt - iiq  consc    ×    +    ∨

> import init-lcm.xml
```
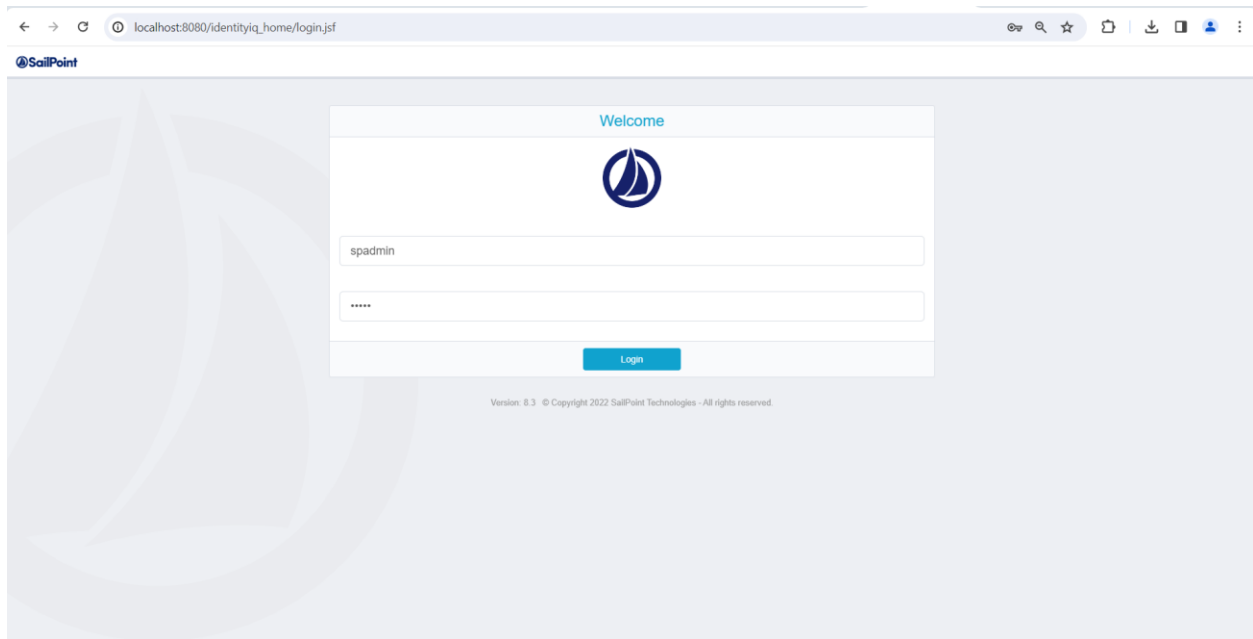
5. When the import is complete, type quit to exit from the IdentityIQ console.
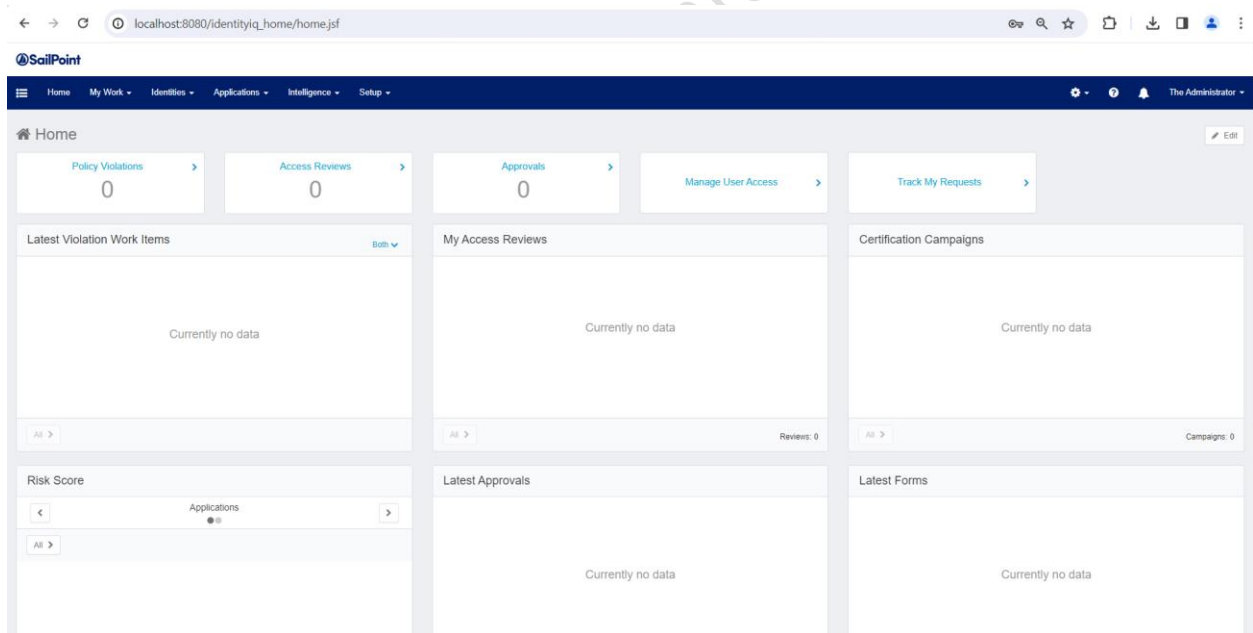
```
> quit

C:\SailPoint\tomcat\webapps\identityiq_home\WEB-INF\bin>
```

6. Restart Tomcat.

7. Open a browser and go to the address http://localhost:8080/identityiq_home/. If this is the first time this server has been logged in to it may take the server a few seconds to respond. An IdentityIQ login screen indicates a successful install.

Login with spadmin/admin credentials

Additional Resources:

- [8.3 IdentityIQ Installation Guide](#)
- [IdentityIQ 8.3 Release Notes](#) for a full list of supported software.
- Download IdentityIQ 8.3 [here](#)