

Lab Exercise 04: Installing and Running IntelliJ IDEA on Windows

Objective:

This lab exercise provides you with an environment for the running of the Drools Rule Engine by installing and running the IntelliJ IDEA Integrated Development Environment (IDE) and a drools-compatible JDK on a Windows operating system.

Pre-requisites:

- A Windows-based computer (Windows 7 or later)
- Internet connection
- Basic knowledge of operating a Windows computer

Part 1: Downloading IntelliJ IDEA

1. **Open your web browser:** Launch your preferred web browser (e.g., Chrome, Firefox, Edge).
2. **Visit the IntelliJ IDEA website:** Go to the JetBrains website at <https://www.jetbrains.com/idea/download/>.
3. **Choose the correct version:** Select the Windows tab and choose between the Ultimate and Community versions. The Community version is free and open-source, while the Ultimate version is paid and offers additional features.
4. **Download the installer:** Click on the “Download” button for the version you chose. Save the installer file to your computer.

Part 2: Installing IntelliJ IDEA

1. **Locate the installer:** Find the downloaded installer file (usually in the Downloads folder).
2. **Run the installer:** Double-click the installer file to start the installation process.
3. **Follow the installation prompts:**
 - Click 'Next' on the welcome screen.
 - Choose the installation folder (or leave the default).
 - Select additional components if needed (like JRE).
 - Choose a start menu folder.
 - Click 'Install' to begin the installation.
4. **Complete the installation:** Wait for the installation to finish and click 'Finish'.

Part 3: Running IntelliJ IDEA

1. **Launch IntelliJ IDEA:** Find IntelliJ IDEA in your Start menu and click to open it.
2. **Initial setup:** The first time you run IntelliJ IDEA, you will be prompted to accept the license agreement and configure any initial settings (like UI theme).
3. **Create a new project:**
 - On the Welcome screen, click 'Create New Project'.

- Select a project type (e.g., Java).
- Configure project settings (like SDK).
- Click 'Finish' to create the project.

Part 4: Adding JDK Amazon Corretto-17 (optional)

Note: This step is only necessary if Amazon Corretto 17 is not already your default JDK

1. **Open IntelliJ IDEA and Access SDK Settings:**
 - Launch IntelliJ IDEA.
 - Navigate to `File -> Project Structure` to open the Project Structure dialog.
2. **Download JDK Corretto-17 Directly in IntelliJ IDEA:**
 - In the Project Structure dialog, select 'SDKs' under the 'Platform Settings'.
 - Click the '+' button and select 'Download JDK'.
 - In the 'Download JDK' dialog, select 'Amazon Corretto' from the 'Vendor' dropdown menu.
 - Choose version '17' from the 'Version' dropdown menu.
 - Select an appropriate download location if prompted.
 - Click 'Download' and wait for IntelliJ IDEA to download and add the JDK.
3. **Configure Project SDK:**
 - Still in the 'Project Structure' dialog, select 'Project' from the side menu.
 - In the 'Project SDK' section, choose the newly downloaded JDK Corretto-17 from the dropdown list.
 - Click 'Apply' and then 'OK' to save the changes.