Turiba University

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(Installing Intellij)

PROFESSIONAL BACHELOR THESIS

Study programme (Computer systems)

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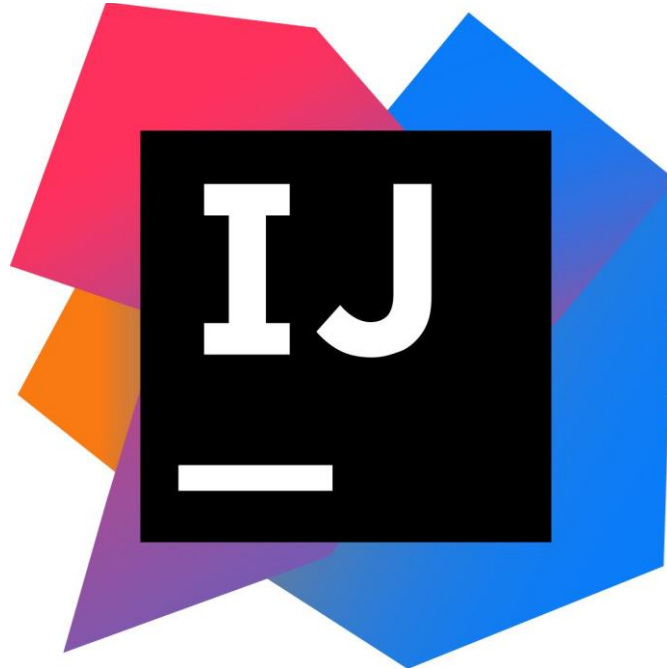
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Report on Setting Up IntelliJ IDEA

IntelliJ IDEA is a highly-respected development toolkit (Integrated Development Environment or IDE) created by JetBrains. While it is best known for working with Java and Kotlin, it can support many other programming languages and technical tools. Getting it set up is easy and clear-cut on all the main computer operating systems, and you can handle the process either with a single installation file or through the JetBrains Toolbox Application.

☐ Computer Needs (What Works Best)

To make sure the program runs smoothly and quickly, these specifications are generally suggested:

RAM (Memory): 8 GB of available memory (at least 2 GB is the absolute minimum).

CPU (Processor): A chip with multiple cores (four cores or more is ideal).

Storage Space: At least 5 GB of empty room on your hard drive.

Operating System (OS): The latest 64-bit versions of Windows (Windows 10 or newer), macOS (either Intel or Apple Silicon), or a compatible Linux version (using desktop environments like GNOME, KDE, or XFCE).

Screen Size: A display resolution of 1920×1080 (Minimum 1024×768).

Essential Requirement: A Java Development Kit (JDK) must be present on your system either before or during the IntelliJ setup, as the IDE is specifically designed for Java programming.
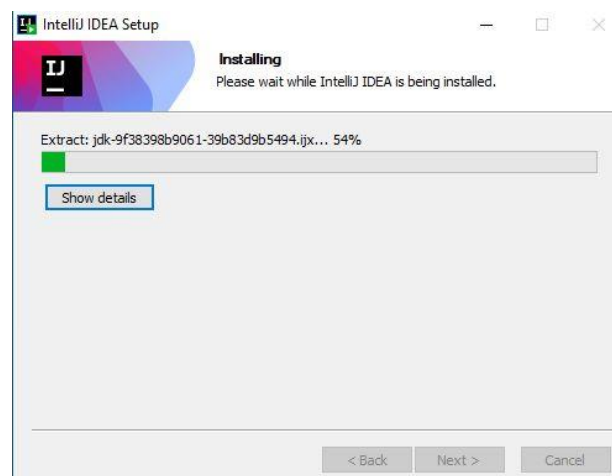
☐ How to Install It

There are two main ways to begin the setup:

JetBrains Toolbox App (Recommended): This piece of software manages all the tools, permits, and software updates from JetBrains in a single place. This simplifies the task of installing and maintaining the IDE.

Standalone Installer: Downloading a specific setup file (like an .exe for Windows, .dmg for macOS, or .tar.gz for Linux) gives you greater oversight of where the program is placed and how its settings files are organized.

The setup directions work for both the Community Version (which is free and open-source) and the Ultimate Version (which requires payment and offers more advanced features).

☼ Quick Installation Steps

The overall process for setting up the IDE using the single installation file goes like this:

Download: Go to the official JetBrains IntelliJ IDEA download page and pick your computer's operating system and the version you want (Community or Ultimate).
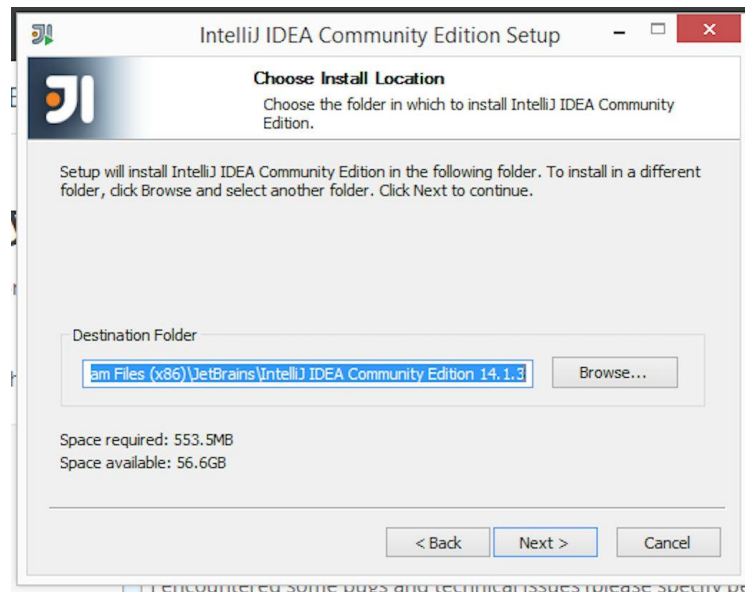
Start the Setup File:

Windows: Run the downloaded .exe setup file.

macOS: Open the downloaded .dmg file and drag the IntelliJ IDEA program into your Applications folder.

Linux: Unpack the downloaded .tar.gz compressed file into a suitable folder (like /opt) and execute the idea.sh file from the bin directory.

Complete the Setup Prompts (Windows/Linux): For the Windows installer, follow the on-screen instructions, choosing things like:
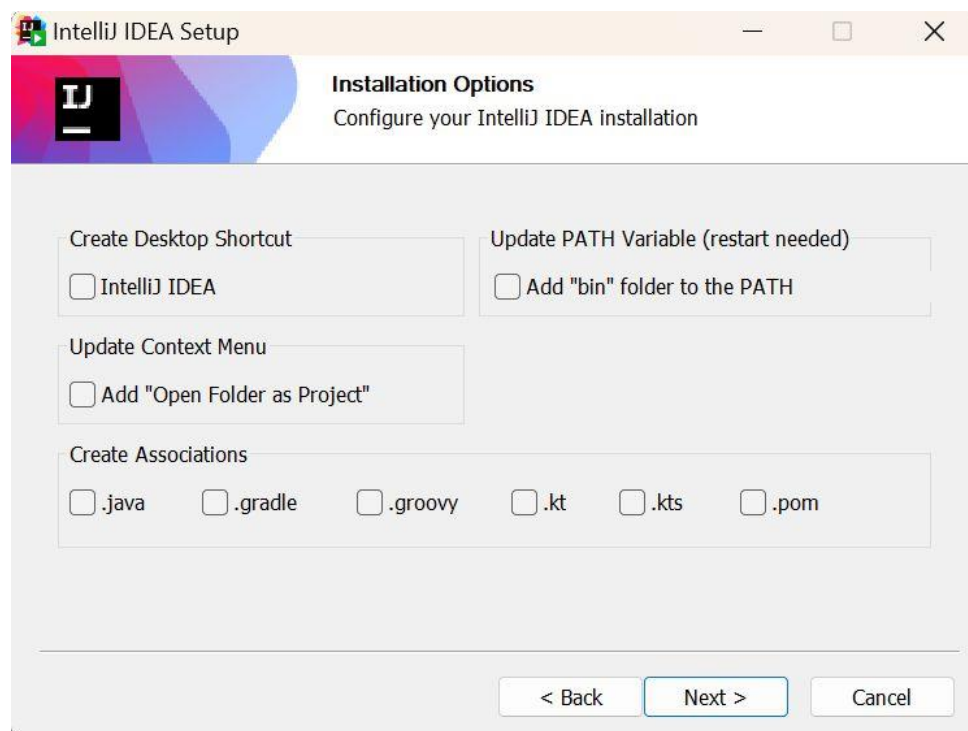
The location where the program will be installed.

Whether to create a shortcut on your desktop.

Updating the PATH Variable (this is strongly suggested for using the program via the command line).

Connecting specific file types (like .java, .kt) to IntelliJ.

Launch and Configure:

Open IntelliJ IDEA using the desktop shortcut or from your applications list.

Agree to the User Agreement and select the visual look you prefer (the UI theme).

If the program asks, set up your Java Development Kit (JDK) by either selecting a version already on your computer or downloading one directly through the IDE's suggestion.

If you are using the Ultimate Edition, activate your paid license or begin the free trial period.