Topic Name: Build Tools - Gradle
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What is build tool?

A build tool is a program or command-line utility that automates the process of compiling, assembling, and deploying software. Build tools are often used to automate processes such as building an application binary from source code.

Task of build tools

- Automate the process of compiling, packaging, and deploying an application.
- Manage the dependencies of an application.

Some popular examples

Some of the popular Java build tools are **Apache Maven**, **Gradle** and **Apache Ant**.

Among of these 3 build tools, **Apache Maven** used to be the popular choice by the Java developer community. But recently **Gradle** has taken over the industry due to its several upper-hand over **Apache Maven**.

Hence, in this lecture we will discuss about **Gradle** and how we can use it in our project.

Why use Gradle over Apache Maven or Apache Ant?

- Much faster
- Doesn't have the nested dependency conflict issue found in Maven and Ant
- Concise build script
- Improved developer experience

To know more please read this article: https://gradlehero.com/top-gradle-benefits-over-maven/