



Mestrado em Engenharia Informática e Computação  
Teste, Verificação e Validação de Software  
2021/2022 | 1º Semestre

## STATIC TESTING

### Installation Guide

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## Introduction

The following guide presents information on how to set up the environment for the practical class on Static Testing.

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## Requirements

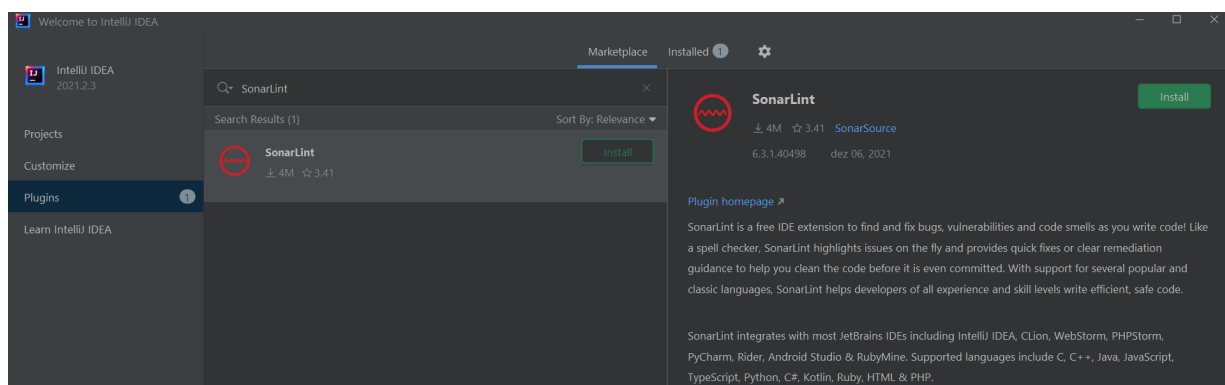
The following tools must be installed on your computer as preparation for the practical class:

- [IntelliJ IDEA](#)
  - SonarLint Plugin (installed inside IntelliJ, as explained on the 2.b. topic)
- [Java SDK \(JDK\)](#)
- [Git](#)

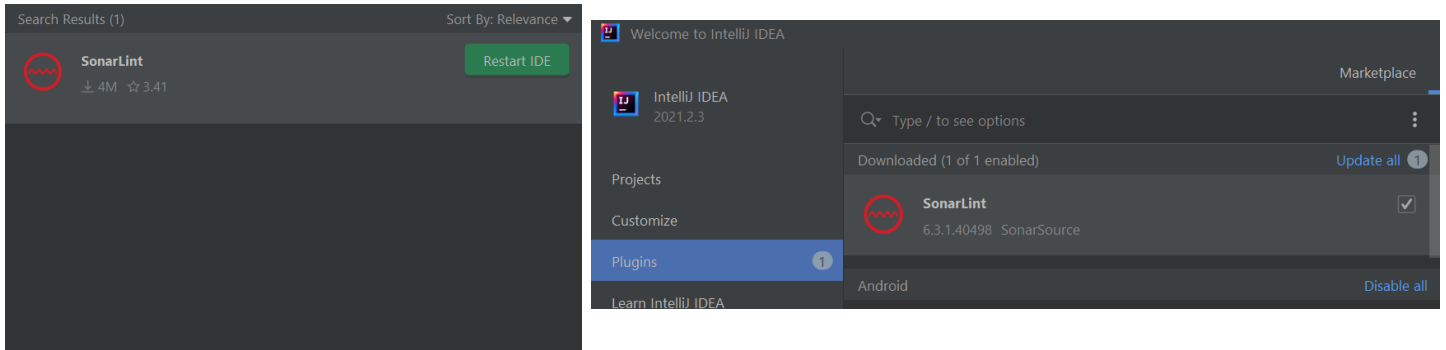
## Setup

After installation, follow the following steps to configure the project in your computer:

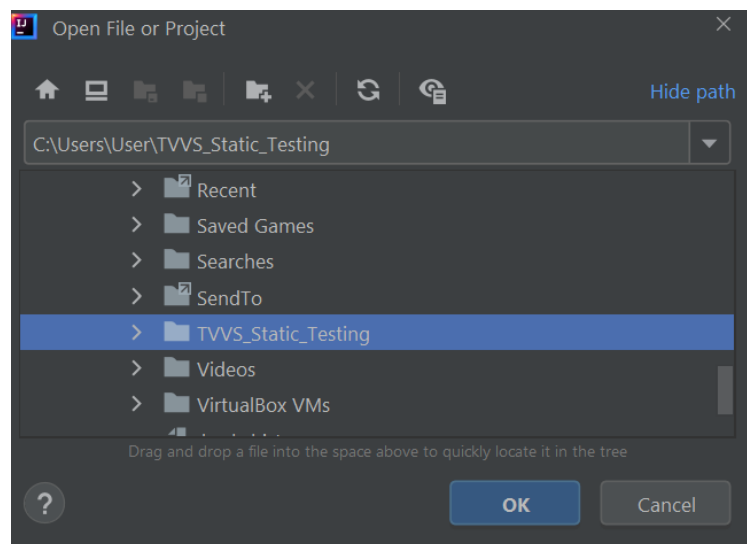
1. Clone the [repository](#) with the source code using git, or download it directly from GitHub.
2. Install the SonarLint plugin and open the project in IntelliJ IDEA:
  - a. Open IntelliJ IDEA;
  - b. On the Plugins Tab, search for “SonarLint” and click on “Install”, as shown below.



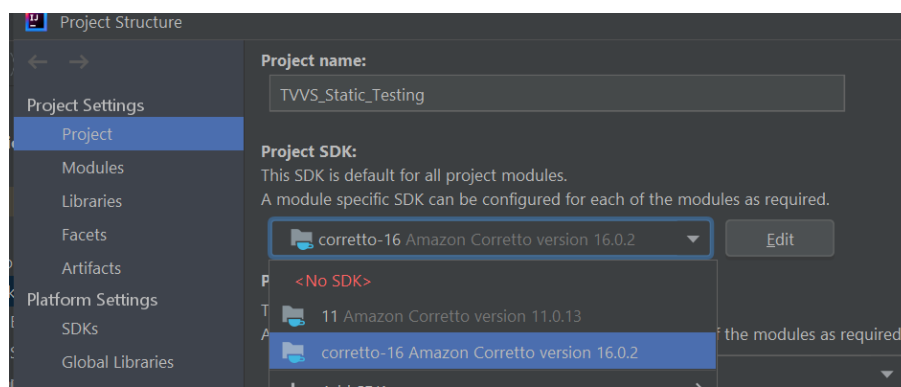
- c. Make sure that, after restarting the IDE, the plugin is enabled.



- d. Return to the initial page, click on “Open” and choose the path to the project previously downloaded.



- e. When the project is loaded and all the dependencies are imported, try to build the project. If you get the “Project JDK is not defined” error, go to File > Project Structure and define the SDK, as shown in the following image.



3. Verify if everything is working as expected:
  - a. Try to build the project again. After that, try to analyze the project with SonarLint. You can either press *Ctrl+Shift+S* or right-click on the *src* folder, go to the SonarLint menu and choose the option “Analyze with SonarLint”.

