

Flutter Utilities:

1- Flutter DevTools:

Provides **Widget Inspector**. This tool help you understand the structure of widgets and how they relate to each other.

(Visualize Widget Hierarchies and diagnose UI related Issues).

Also Provides **Timeline View** that helps you analyze the apps performance. It provides a memory profiler allowing you to monitor your apps usage. Helps identify memory leaks.

Performance View provides insights of your apps performance, allowing you to enhance and optimize user experience.

2- Flutter Inspector:

Allow performing visual debugging.

Help inspect UI layouts and provide visual Hierarchies.

Enables performing layout inspections and helps fine tune UI design and fix layout issues.

3- Dart Analyzer:

Dart Analyzer is a static analysis tool that checks dart code for errors and coding style guidelines.

Allows catching bugs quickly by analyzing code. It provides real time feedback as you code.

4- Flutter Doctor:

Flutter doctor is a command line tool that help identify any missing configurations issues. It ensures that flutter environment is fully setup and is not missing any tools by generating a detailed report.

5- Hot Reload:

Hot Reload is an another flutter utility that allows you to view your code changes instantly. It speeds up the development process by injecting new code while preserving the apps state.

Comparison Between Flutter Inspector and Widget Inspector:

Comparison	Flutter Inspector	Widget Inspector
Scope	Entire Widget Tree and Layout Visualization	Focuses on Individual Widget.
Purpose	Debugging the Structure and Relationship of Widgets.	Debugging the specific Widget details.
Usage	Inspect the overall widget tree and layout issues.	View and Edit Widget Properties.
Integration	Part of Flutter DevTools	Feature within the flutter inspector