

## SAST (Static Application Security Testing)

It is a type of security testing that is performed on the source code or binary of an application without executing the code. The main goal of SAST is to identify security vulnerabilities, flaws, and weaknesses in the application's codebase.

During a SAST analysis, specialized tools are used to scan the source code (or compiled code) of the application. These tools analyze the code **for potential security issues**:

- Injection vulnerabilities (e.g., SQL injection, command injection).
- Cross-Site Scripting (XSS) vulnerabilities.
- Security misconfigurations.

It is a form of white box testing.

Can be integrated as part of CI/CD DevOps pipeline (Shift Left)

