

## Category:Static\_Analysis

So what is it? Static analysis means the study of things that are not changing. However, in software terms, this definition can be refined as the study of source or binary code that is not currently running. You already know that you need a debugger or profiler to analyze running code, but you can learn a lot from code without ever running a program.

You can ensure that the source code is free from critical defects and adheres to following the Symbian API conventions. You can also detect common performance problems, such as Resource leaks, high stack use, and infinite loops. You can even examine the imports of each class to understand what other classes it depends on or which classes depend on it. None of this requires the program to run or even to compile.

Static Analysis- BEST Practices- Symbian OS and Coverity

Overview: Automated Defect Detection in Symbian OS Environments with Coverity Static Analysis

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"For us to ensure stability of mobile applications, we must be able to find and fix critical code defects with accuracy and efficiency."