

# RESORT Static Analysis Toolset

Based on the uncompiled source code only, RESORT static analysis tool is an integrated static analysis that simultaneously checks Reliability(Coding Standard), Safety(Run-time Error) and Security(Security Vulnerability), and code metrics based on inter-procedural path analysis.

## RESORT Product Features

- **(No Compile Step)** Works on source code only using "RESORT Code Analysis" technology without building (compile) step
- **(No False Positive)** Inter-procedural Path Analysis
- **(Fully Code Assurance Coverage)** All detection of Reliability, Safety, Security - Supporting One Guide to One Rule for readability
- **(Tool Qualification)** ISO26262, IEC61508, EN50128, CWE Compatibility

### Reliability (Coding Standard)

- (Automobile) MISRA-C:2012/2004, MISRA-C++:2008
- (Aerospace) JSF++, JPL Java/C, BSSC Java/C
- Java, JS, Python, Flex, ABAP, (Mobile) Objective-C, Android



### Safety (Run-time Error)

- CWE-658(for C), CWE-659(for C++), CWE-660(for Java), Others

### Security (Security Vulnerability)

- CWE/OWASP(C, C++, C#, Java, JS, Python, R, Objective-C, Android), CERT

### Code & Quality Metrics

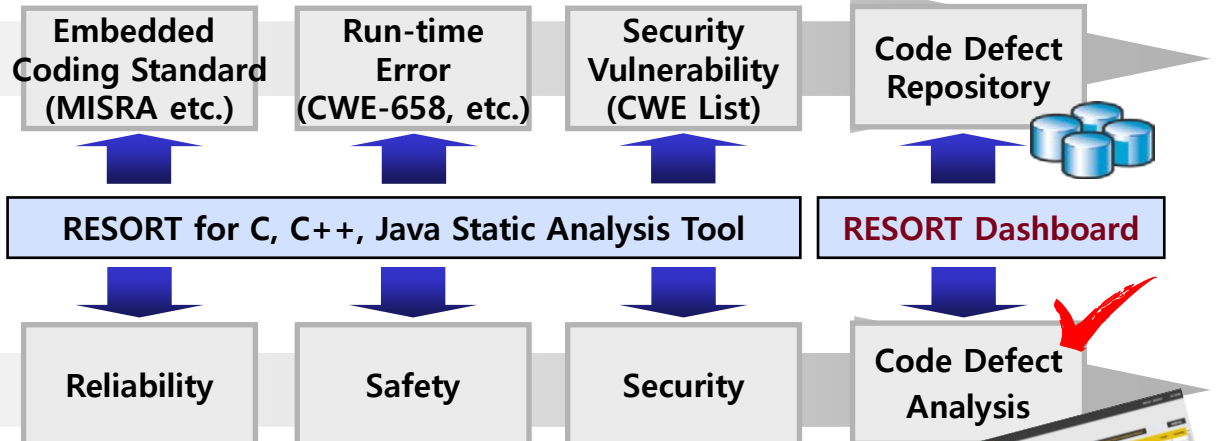
- MISRA Software Metrics, HIS Source Code Metrics
- ISO 9126 Maintainability Quality Metrics

### Function Point

- Java Function Point Counting based on IFPUG

### Web Dashboard

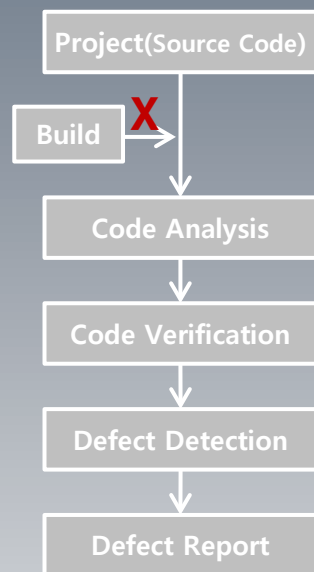
- Code Defect Analysis & Statistics: Assessment of Rule Compliance, etc.
- Code Defect Exception Transaction: Request & Acknowledgment



## Tool Name

- RESORT for C, C++, C# Java(JSP), R Python, JavaScript, Flex, ABAP
- RESORT for Mobile(iOS, Android)
- RESORT for JavaFP

## Using RESORT Toolset



## IDE & CI-Server Plug-in

- Eclipse, IntelliJ, Android Studio, Visual Studio, Xcode, etc.
- Jenkins/Hudson



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