

# CasePlayer2

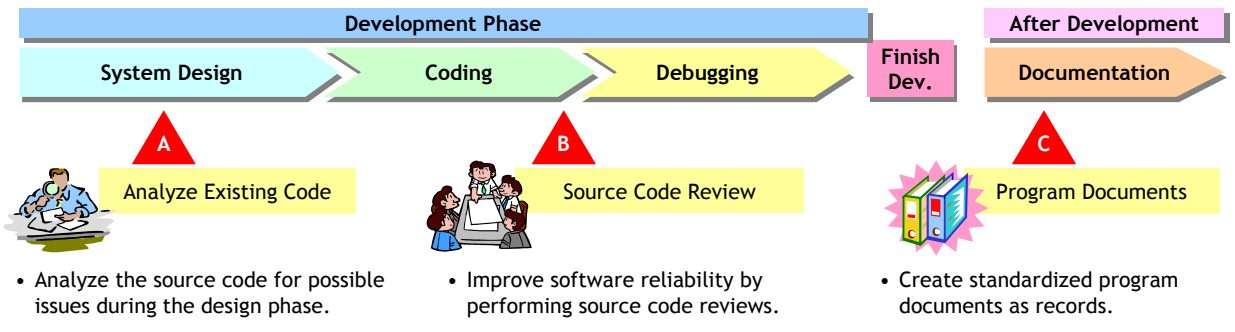
Create program documents and charts  
 Improve software reliability of newly developed source code  
 Aids understanding of existing software resources

CasePlayer2 is an integrated reverse CASE tool that can create program documents such as flowcharts and MISRA-C reports from analyzing the source code. It includes a Document Browser for easy access to the program documents and source code for review.

**Source Code Editor / Document Viewer** → **Create Program Documents** → **Flowchart** and **Program Structure Diagram**

**Static Analysis** → **Global Variable List** and **MISRA-C Report**

## CasePlayer2 : Application Examples



## CasePlayer2 : User Industry Examples

- Automotive**
- Mobile Phone**
- Office Appliances**
- Audio-Video**
- Digital Camera**
- Development Service Company**

## Integrated Reverse CASE Tool for Embedded Development

CasePlayer2 is an integrated reverse CASE tool that can create program documents such as flowcharts and MISRA-C reports from analyzing the source code. It includes a Document Browser for easy access to the program documents and source code for review.

## Fast and Easy Program Document Creation

CasePlayer2's analyzer is easy to use because it reads the actual source code logic without requiring any special comments or #pragma descriptions. It is also fast, capable of scanning 10,000 lines of C code in a matter of seconds.

### Document Examples

Flowchart, Module (Function) Specification Sheet, Module Structure Diagram, Module (Function) List, Structure Specification Sheet, Structure List.

## Create External Variable and Structure Reference Lists

External variable and structure reference/assignment lists may also be created with CasePlayer2. This feature provides a quick reference, and can be useful in finding unexpected read/write external variable and structure errors.

### Static Analysis Report Examples

Global Variable List, typedef List, #define List, Global Variable Reference List, Function Reference List, Structure Reference List, Structure Member Reference List.

## Printer-Friendly, Customizable, Save Documents in MS-Word / HTML File Format

CasePlayer2 documents are printer friendly, user customizable and may be saved in MS-Word or HTML format for easy access from external applications.

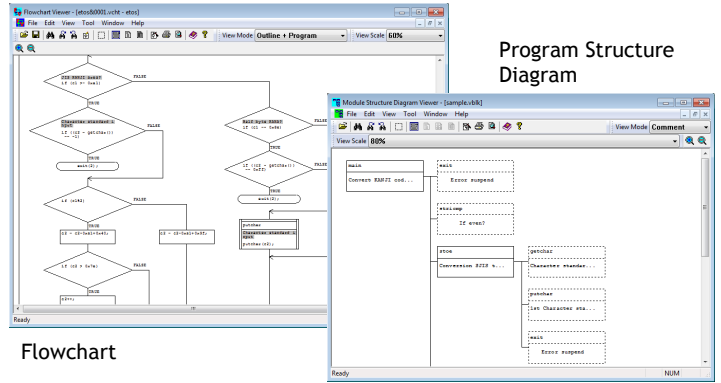
## MISRA-C Checker

MISRA-C 1998 & 2004 rule sets for C code checking are supported with configurable options.

### Source Metrics

Cyclomatic complexity, Myer's interval, nesting count, code size, number of comment lines, static path count, etc.

## Charts

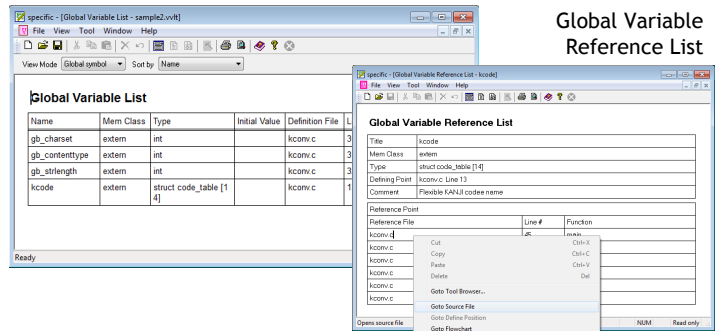


Flowchart

Program Structure Diagram

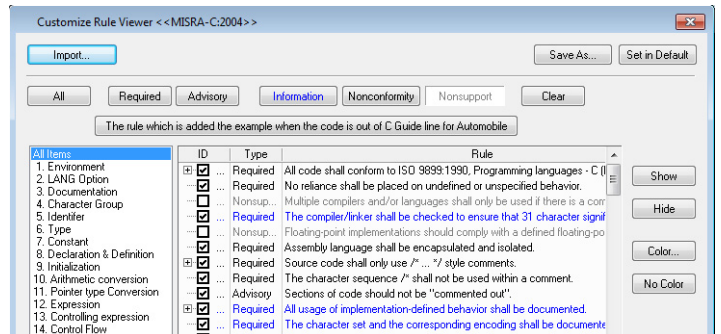
## Global Variable Lists

### Global Variable List



Global Variable Reference List

## MISRA-C Report



MISRA-C 1998 & 2004 rule sets supported for C code checking

## Features

- Document Browser for viewing program documents and source code
- Create a variety of documents including:
  - Module Structure Diagram, Module Specification Sheet, Structure Specification Sheet, Flowchart, Module List, Structure List, etc.
- Compatible Source Code: ANSI C, embedded C and assembly
- Save documents in MS-Word or HTML file format
- Save charts in BMP or PNG image file format
- Printer-friendly
- Fast and easy to use

## System Requirements

- IBM Compatible
- USB port (for USB license key)
- Windows XP, Windows Vista (32-bit), Windows 7 (32/64-bit)
- Hard Drive: 50 MB free space
- Microsoft Internet Explorer 5.5 or newer to view HTML format documents
- Microsoft Word 2000 or newer to view MS-Word format documents