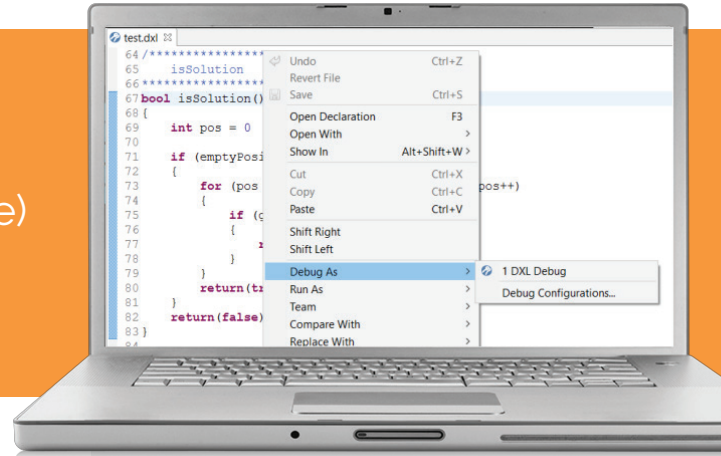




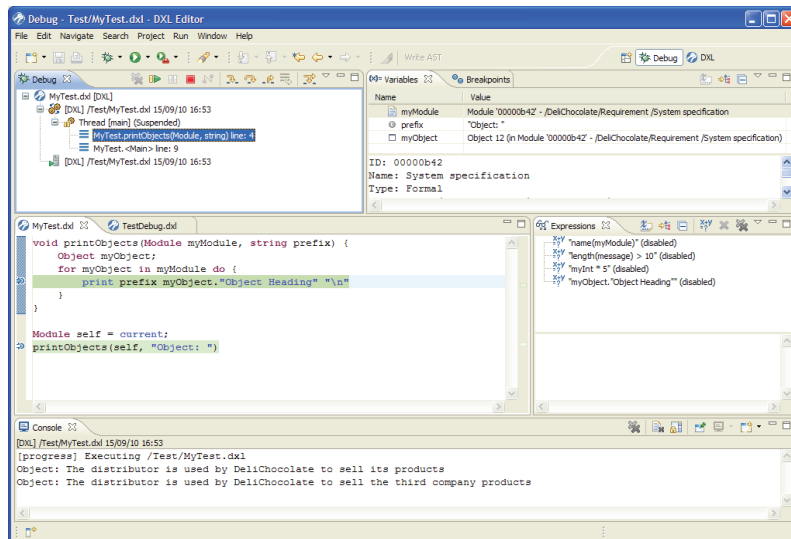
Edit, run, and debug your IBM Rational DOORS DXL (DOORS eXtension Language) scripts from your favorite Eclipse IDE.



IBM Rational DOORS® is a well established platform for engineers, allowing them to manage their project requirements in a flexible environment. DOORS data is manipulated with a dedicated language, DXL (the DOORS eXtension Language).

To overcome the limitations of the DOORS native editor, Sodius has developed the DXL Editor, offering unmatched features to facilitate developers' lives.

Going far beyond syntax highlighting, the DXL Editor is a real development environment for DXL built on the market-leading Eclipse platform, bringing its richness and power to provide a first-class environment for editing, executing and debugging your DXL scripts, on par with other well known languages such as Java and C++.



Improve efficiency  
& reduce development  
time with DXL Editor.

## Features include:

### EDITING

- ✓ Syntax highlight
- ✓ Mark occurrences
- ✓ Content assist
- ✓ Text hover

### BROWSING

- ✓ Outline
- ✓ Project explorer

### COMPILATION

- ✓ Compilation
- ✓ Problems view

### EXECUTION

- ✓ Run
- ✓ Console

### DEBUG

- ✓ Breakpoints insertion
- ✓ Step-by-step debug
- ✓ Variable inspection
- ✓ Expression evaluation

### REFERENCE MANUAL

- ✓ Added to Eclipse help view
- ✓ Copy/paste code



## Feature-rich platform for faster, better results

### Editing Features

#### SYNTAX HIGHLIGHT

Keywords, strings, comments and function calls are highlighted.

#### MARK OCCURRENCES

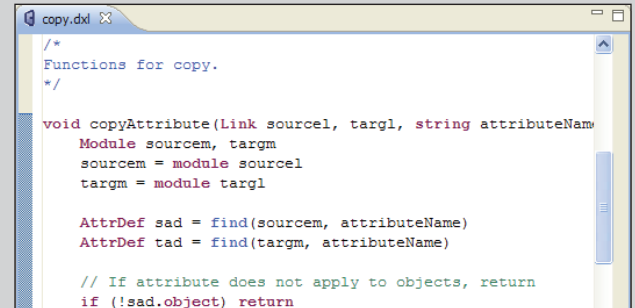
Mark Occurrences dynamically highlights the occurrences of the word currently selected in the editor.

#### CONTENT ASSIST

Content Assist provides a list of suggested completions for partially entered strings. Templates are shown together with the Content Assist proposals. There are existing templates, such as 'for', 'if' and more, but you can also define new templates.

#### TEXT HOVER

When the mouse is over a DXL function call, a tooltip displays the function signature and its associated comment, if any.

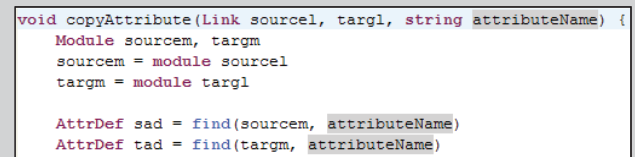


```
/*
Functions for copy.
*/

void copyAttribute(Link source1, targ1, string attributeName
Module source1, targ1
source1 = module source1
targ1 = module targ1

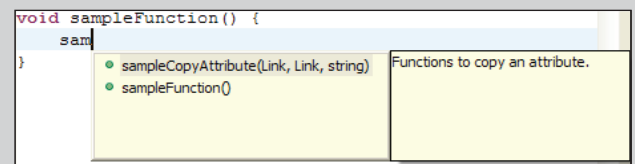
AttrDef sad = find(source1, attributeName)
AttrDef tad = find(targ1, attributeName)

// If attribute does not apply to objects, return
if (!sad.object) return
```



```
void copyAttribute(Link source1, targ1, string attributeName) {
Module source1, targ1
source1 = module source1
targ1 = module targ1

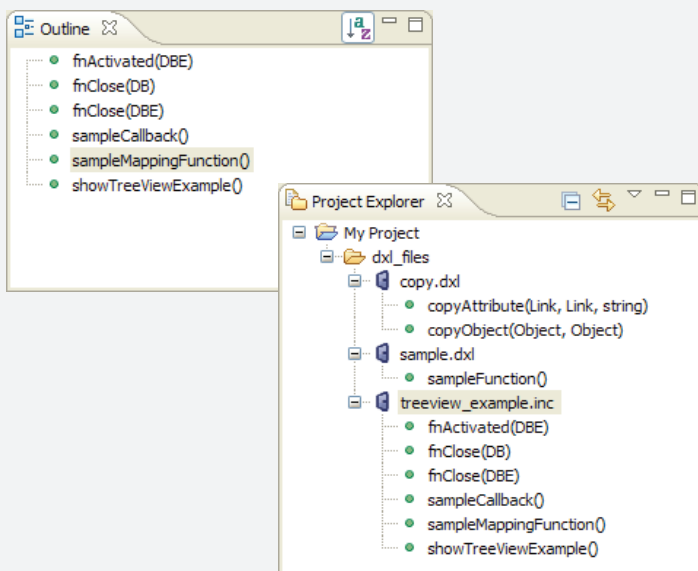
AttrDef sad = find(source1, attributeName)
AttrDef tad = find(targ1, attributeName)
```



```
void sampleFunction() {
    sam
}
```

sampleCopyAttribute(Link, Link, string)  
sampleFunction()

Functions to copy an attribute.



### Browsing Features

#### OUTLINE

The Outline View displays the structure of the DXL file, listing the functions declared within it, and automatically refreshing as you edit the file. Clicking a function in this view causes the editor to jump to the function's declaration.

#### PROJECT EXPLORER

The Project Explorer lets you organize a consistent set of DXL files into projects. DXL Functions are displayed in the project's view, without the need to open the corresponding DXL file in an editor, enabling you to quickly navigate into your project contents.



Feature-rich platform for faster, better results

Debugging is a critical activity when developing source code.

**With DXL Editor, you have full control.**

## WHY DXL EDITOR?

- ✓ Faster coding process
- ✓ Higher quality results
- ✓ Finalize more projects
- ✓ User-friendly interface

## YOU CAN:

- ✓ Add breakpoints
- ✓ Control execution
- ✓ Inspect variables
- ✓ Inspect data

## Debug Features

### DEBUG VIEW

The Debug View is the primary view to manage the debugging of a program. This view displays the stack frame for the suspended DXL execution you are debugging, showing the list of function calls.

### BREAKPOINTS VIEW

The Breakpoints View lists all the breakpoints you currently have set in your workspace.

You can double-click a breakpoint to display its location in the editor (if applicable). You can also enable or disable breakpoints, delete them, add new ones, and group them by working set.

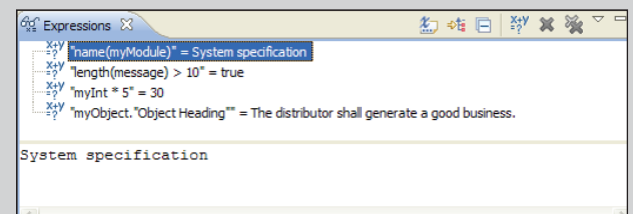
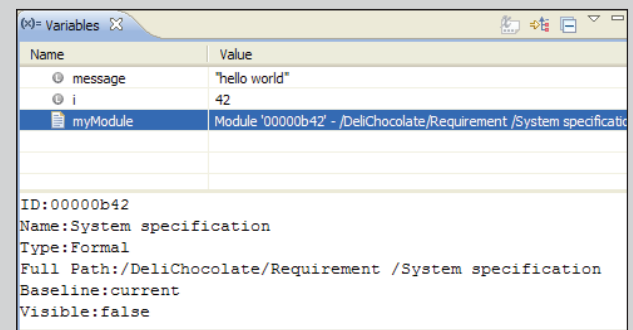
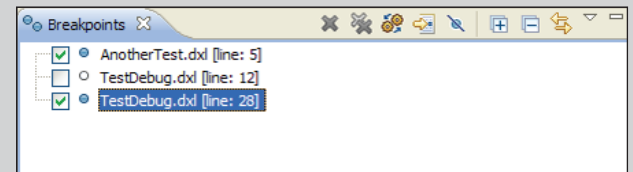
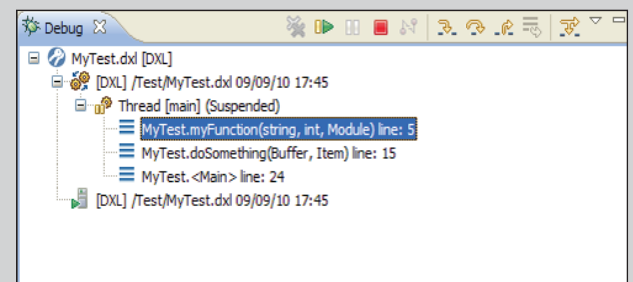
### VARIABLES VIEW

The Variables View displays information about the variables associated with the selected function in the Debug View. Selecting a variable will display more detailed information in the Detail Pane.

### EXPRESSIONS VIEW

The Expressions View allows you to dynamically execute queries to assist your debugging. You can enter any valid code and have the results calculated at every execution step to monitor values. Entries in the Expressions View can be selected to have more detailed information displayed in the Detail Pane.

*Note: Please refer to online documentation for a full description of features and known limitations.*



**COMPATIBLE SOFTWARE:** DOORS® 8.x, 9.x.

**SYSTEM REQUIREMENTS:** Microsoft® Windows®

DXL Editor is expected to run locally on the same machine where DOORS is running.

## Feature-rich platform for faster, better results

### Compilation Features

#### COMPILATION

Each time a DXL file is modified and saved, the DXL compiler is automatically executed on that file. For each error, an annotation is added in the editor sidebar, with a tooltip showing the error message, and the corresponding line is underlined.

#### PROBLEMS VIEW

Navigation through DXL errors for a particular file, a project or the entire workspace is done using the Problems view.

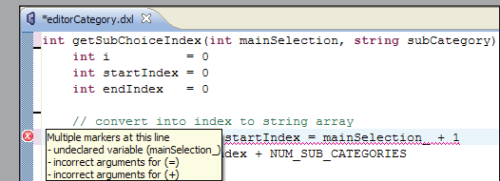
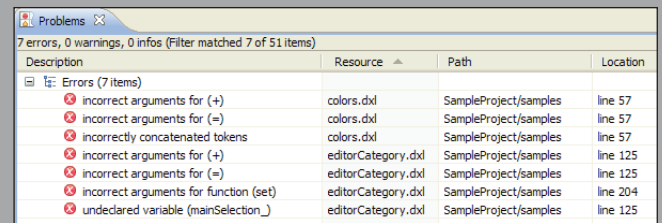
### Execution Features

#### RUN

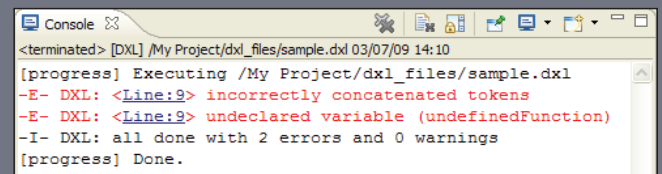
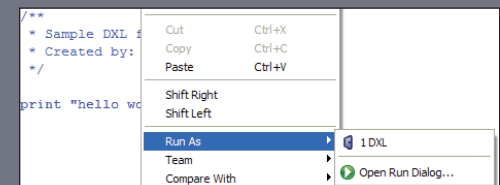
A DXL file can be executed directly from Eclipse.

#### CONSOLE

A console is opened when a DXL file is executed. This console logs any DXL text output, and indicates any DXL windows that may be opened by the executed file. Execution errors are displayed in the console and hyperlinks are available on line numbers to jump to the corresponding location in the DXL editor.

Description	Resource	Path	Location
Incorrect arguments for (+)	colors.dxl	SampleProject/samples	line 57
Incorrect arguments for (+)	colors.dxl	SampleProject/samples	line 57
Incorrectly concatenated tokens	colors.dxl	SampleProject/samples	line 57
Incorrect arguments for (+)	editorCategory.dxl	SampleProject/samples	line 125
Incorrect arguments for (+)	editorCategory.dxl	SampleProject/samples	line 125
Incorrect arguments for function (set)	editorCategory.dxl	SampleProject/samples	line 204
Undeclared variable (mainSelection_)	editorCategory.dxl	SampleProject/samples	line 125

## Other DOORS-related products

### MDConnect

Get DOORS database navigation in an Eclipse environment. The RSA Extension interconnects DOORS and Rational Software Architect, facilitating the setup and maintenance of links between requirements and models.

- ✓ Trace Eclipse designs to DOORS requirements
- ✓ Built-in RSA traceability & analysis tool
- ✓ Produce traceability reports from Eclipse

### MDWorkbench

MDWorkbench for DOORS brings advanced functionality that helps to architect DOORS databases, to reverse engineer DOORS schemas, to generate documents and to exchange any DOORS information with other environments.

- ✓ Leverage, convert & transform data across tools
- ✓ Code complex transformation rules in Java
- ✓ Leverage models across tools