

Natural Optimizer Compiler Version 3.1.5

This document covers the following topics:

- Version 3.1.5 Beta Test Release
 - Enhancements
 - Compatibility
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Version 3.1.5 Beta Test Release

With Natural Version 3.1.5, Natural Optimizer Compiler Version 3.1.5 is available as a beta test release which includes the major enhancements described below.

The Natural Version 3.1.5 product comes with the Natural Optimizer Compiler Version 2.3.7, however, with the new Version 3.1.5 utilities being already integrated. The Natural Optimizer Compiler documentation supplied refers to Version 2.3.7, but is valid for Version 3.1.5, too. All features available with Version 3.1.5 only are marked correspondingly.

If you are interested in participating in the Natural Optimizer Compiler Beta Test, please contact force@softwareag.com.

Enhancements

Version 3.1.5 of the Natural Optimizer Compiler offers the following major enhancements:

- Program execution is speeded up significantly by means of caching variable values internally.
- The EXAMINE statement is optimized for certain clauses.
- Additional options are provided to give more control over how code is generated.
- The effect of the NOSGNTR option has been revised, also respecting the value of the PSIGNF compiler option.
- The NODBG option is also effective when INDEX, RANGE or OVFLW options are specified.

In addition, miscellaneous other improvements increasing the degree of optimization have been made.

For more information on new features, enhancements and corrections, see the Natural Optimizer Compiler documentation.

Compatibility

Natural objects cataloged with Natural Optimizer Compiler Version 2.3.x or with Natural Optimizer Compiler Version 2.1.6 (for Natural Version 2.2) can be executed under Natural Version 3.1.5.

Natural objects cataloged with Natural Optimizer Compiler Version 3.1.5 can be executed under Natural Versions 3.1.2, 3.1.3 and 3.1.4. However, Software AG strongly recommends that you migrate these environments to Natural Version 3.1.5 as soon as possible.