

# Natural Optimizer Compiler - Overview

This documentation for Natural Optimizer Compiler describes various aspects which should be taken into consideration when the Natural Optimizer Compiler is installed at your site. In the remainder of the Natural Optimizer Compiler documentation the Natural Optimizer Compiler is also referred to as NOC.

## Attention:

This documentation applies to Natural Optimizer Version 2.3. Features only available with the Beta Version 3.1.5 of the Natural Optimizer are identified with the remark "Applies to NOC Version 3.1.5 only."

-  **New Features in Version 3.1.5**      Brief information on new features, enhancements and corrections.
-  **General Information**      Various aspects of the Natural Optimizer Compiler and how to benefit most from the Natural Optimizer Compiler.
-  **Installing the Optimizer Compiler**      Installation of the Natural Optimizer Compiler.
-  **Using the Optimizer Compiler**      Statements and programs used for compilation.  
Statistical data on programs suitable for processing by the Natural Optimizer Compiler: NOCSTAT command.  
Examples of when to use the Optimizer Compiler.
-  **Activating the Optimizer Compiler**      How to switch on the Natural Optimizer Compiler.
-  **Optimizer Options**      Various options of the Natural Optimizer Compiler.  
How to apply PGEN to output generated code and internal Natural structures for examination.  
Influence by other Natural parameters.
-  **Performance Considerations**      How to achieve best performance considering data formats, arrays, alpha fields, DECIDE ON and numeric values.
-  **Listing ZAPs**      How to receive an overview of the ZAPs that have been applied to the Natural Optimizer Compiler.