

# Factsheet



## StackAnalyzer for PPC

Release 24.04, b15284646

April 19, 2024





StackAnalyzer automatically determines the worst-case stack usage of the tasks in your application. The analysis results of the analyzed binary executable are shown as annotations in the call graph and control flow graph.

## Key benefits

- Detailed and precise information on stack usage by application tasks.
- Stack analysis for all hierarchy levels: routines, basic blocks, assembly instructions.
- Freely selectable entry points for the analysis.
- Easy recognition of critical program sections thanks to customizable color coding.
- Fully integrated, feature-rich graphical and textual viewers for control flow, analysis results, source code, assembly code, and configuration files.
- Seamless integration with other analysis tools from AbsInt in an intuitive user interface.

## Supported compilers

- CodeWarrior C/C++ (NXP)
- CompCert C Compiler
- DDC-I SCORE Compiler
- GNU C/C++ Compiler (GCC)
- AdaCore GNAT Pro Compiler (C/C++ and Ada source code)
- Green Hills Optimizing Compiler (C/C++ and Ada source code)
- HighTec GNU C/C++ Compiler
- Wind River Diab C/C++ Compiler

## Supported architecture variants and extensions

- General 32- and 64-bit PowerPC processors with PPC and VLE instruction set.

## System requirements

- Windows: x86-64 Windows 10 or newer
- Linux: x86-64 CentOS/RHEL 7 or compatible
- 4 GB of RAM (16 GB recommended)
- 4 GB of disk space

## Also available

The following AbsInt products are also available for this target:

- TimingProfiler
- ValueAnalyzer
- TimeWeaver
- Qualification Support Kit

## More information

- Visit our website: [www.absint.com](http://www.absint.com)
- Speak with a product specialist:  
call +49 681 383 600

## About AbsInt

AbsInt provides advanced development tools for embedded systems, and tools for analysis, optimization and verification of safety-critical software. Our customers are located in more than 40 countries worldwide. We have distribution agreements with major software distributors in Asia, North America, Middle East, and throughout Europe.

## Our headquarters

Science Park 1  
66123 Saarbrücken, Germany  
Phone: +49 681 383 600  
Fax: +49 681 383 60 20  
Email: [info@absint.com](mailto:info@absint.com)  
Web: [www.absint.com](http://www.absint.com)