

# Factsheet



## StackAnalyzer for V850

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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

- Wind River Diab C/C++ compiler (C code)
- Green Hills C/C++ Optimizing Compiler (C code)
- Renesas CS+ compiler

## Supported architecture variants and extensions

- V850E/PHO3 (revisions  $\mu$ PD70F3441 and  $\mu$ PD70F3483)
- V850E/FK3-H (revision  $\mu$ PD70F3469)
- V850E2/Fx4-H (revision  $\mu$ PD70F3501F1, umbrella emulation device)
- VFOREST (revisions  $\mu$ PD76F0134,  $\mu$ PD76F0197,  $\mu$ PD76F0198,  $\mu$ PD76F0199)
- FOREST (revisions  $\mu$ PD70F3407,  $\mu$ PD70F3409,  $\mu$ PD70F3410,  $\mu$ PD70F3429,  $\mu$ PD70F3431)

- Generic support for the various V850 E1/ES, E2, E3, and RH850 ISA targets

## 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:

- aiT
- 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.



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## 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)