

AdaCore DIGEST

MARCH 2023



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NEWSLETTER

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About this Digest

Welcome to the AdaCore Digest! This communication is the new format for AdaCore news and will be issued three times per year to AdaCore customers. The goal is to provide you with useful and important information and updates on the technology you're using, including new products and features, new resources that could be of benefit, and perspectives on the evolution of the company's direction. We hope you will find it helpful, and we welcome your feedback!

23.1 Release

GNAT Pro 23.1 was released in early February 2023. This release includes GNAT Pro for Ada, C and C++, as well as SPARK Pro, the GNAT Static Analysis Suite, and the GNAT Dynamic Analysis Suite. Release notes for the 23rd branch are available [here for GNATstudio](#), [here for SPARK](#), and [here for the rest of the GNAT technology](#).

Beyond Release 23 - The AdaCore Technology Roadmap

We are proud to share our first official AdaCore technology roadmap with you! This roadmap covers the various enhancements and new capabilities we're planning to integrate in the coming 12 to 24 months. It is meant to be a living document. We may have to move things around, remove or add items as we progress with their implementation. We're also interested to hear your feedback! If there are elements that are of particular interest to you, or conversely, elements that you are expecting but not seeing, feel free to reach out and open a ticket! The roadmap is available [here](#).

AdaCore Joins the Rust Foundation

For over 25 years, AdaCore has been committed to supporting the needs of safety- and mission-critical industries through high-integrity software development tools and services. Over the past few years, the company's focus has expanded to encompass Ada, the formally verifiable SPARK language (an Ada subset), C, C++, and now Rust. AdaCore has joined the Rust Foundation and is partnering with Ferrous Systems, a technology company specializing in the Rust programming language, to share our expertise in safety-certified toolchains with the Rust safety community.

Learn more about the Ferrous Systems partnership [here](#).

GNAT for CUDA Webinar

The GNAT for CUDA webinar recording is now live and available [here](#). As a reminder, this technology allows you to develop Ada and SPARK code running directly on the NVIDIA GPU and interacting with an Ada application hosted on either x86 or ARM Linux. The related beta program is still open - if you're interested in trying out the technology, feel free to contact us at info@adacore.com.

Events

AdaCore exhibited at three events in March 2023, including [Embedded World](#) in Nuremberg, Germany, in partnership with Ferrous Systems; the [SIGCSE Technical Symposium on Computer Science Education](#) in Toronto, Canada, to promote our GNAT Academic Program; and the [Flight Software Workshop](#) in Pasadena, California, where we sponsored a presentation by LASP at the University of Colorado on Adamant - A New Mission-Critical Flight Software Framework Written in Ada.

Check out our [Events page](#) for updates on where we'll be next.

Pro Ada Training

There are still spaces available for our upcoming five-day Pro Ada Training courses! These in-depth courses, conducted remotely by our live expert instructors, will provide you or your team with a fast track to software engineering proficiency in Ada.

Find details about the upcoming courses and registration [here](#).

If you have questions about any of the technologies or services mentioned above, please reach out to your Account Manager or email us at info@adacore.com.