AdaCore DIGEST

MARCH 2025

25.1 Release

We're happy to announce the release 25.1 of our technology, the first stable release of the 25 GNAT Pro branch. It will be followed by a bugfix release in the summer marked 25.2. If you select this branch for productization builds, you can subscribe to the assurance product on the 25.2 branch and receive critical bug fixes past this date. Full release notes are available here.

Ada in Practice, a New Learn Course

A new Learn course has been deployed, titled "Ada in Practice."

You can view it here: https://learn.adacore.com/courses/ada-in-practice/index.html

The goal of the course is to show how to use the language most effectively in non-trivial applications. This new course is intended, in particular, for developers who are familiar with the Ada language syntax and semantics but wonder how best to apply what they know. Their situation is analogous to someone familiar with a spoken language but not the idiomatic expressions used in conversations. In the case of programming languages, an idiom is the recognized expression of a solution to a programming problem or scenario. The scenario might be common to many programming languages or might be specific to a given language. But in either case the implementation of the solution is one recognized by the community as the best in that scenario.

In addition to these language-independent scenarios, we also include solutions for situations specific to the Ada language. These idioms arise due to the language's particular capabilities and can be considered "best practices" for those situations.

More idiom entries will be added over time. Let us know what you think and don't hesitate to suggest new scenarios to cover.

Events

On-demand GNAT Pro webinar: In "What's New in GNAT Pro: Key Features and Roadmap", our Release Briefing webinar on March 6th, AdaCore experts presented top features from our GNAT Pro 25 release, plus previews of what's coming up in our roadmap.

Missed the online briefing? Register to watch the webinar on demand

Meet AdaCore at Embedded World this week at Booth 4-148 in Hall 4. We look forward to showing you our live demos and discussing your high-integrity development projects in Ada/SPARK, C/C++ and Rust.

Arrange a meeting with us at our booth or get your ticket to our Stand Party on Wednesday 12th.

Coming soon: look out for more dates and details to be announced in due course on 2025 AdaCore Tech Days. Planning is in progress for Tech Days in Munich, Germany and Denver, Colorado. Our Events Calendar is kept up to date here on our website. Speak to your Account Manager for more information.

Training

Transform your programming skills with our Public Ada Virtual Training Course. This standardized course is perfect for individuals and small groups who want to master the Ada language when private, customized training is not a feasible option. Over five days, you'll dive into the core features of Ada through instructor-led lectures, participatory quizzes, and hands-on lab exercises.

Our curriculum covers essential programming concepts and advanced Ada language features. This course is suitable for those with a software engineering background or experience in any compilable programming language.

Join us remotely for an immersive learning experience that will enhance your proficiency in Ada.

Upcoming dates are available in both the EU and the US:

EU Public Ada Training:
June 16 - 20, 2025 - sign up now

US Public Ada Training:
September 8 - 12, 2025 - save the date

Register now to secure your spot and elevate your programming capabilities.

AdaCore in the press

Our press year has started with event promotion and thought leadership in defense and automotive publications.

AdaCore has been an active member of The Open Group's FACE Consortium since 2012. This past autumn, AdaCore's FACE team—Ben Brosgol, Dudrey Smith, Michael Frank, and Dana Binkley—reached a major milestone when the FACE Consortium formally approved our proposed approach to FACE conformance verification for Ada software. This news has been shared in Military Systems and Technology and via our own blog.

We discuss how we work to ensure software safety in the automotive industry in Just Auto.

Conversations regarding Rust are continuing to grow, and Electronic Design shares our views on Mission-Critical Rust via this downloadable eBook.

The AdaCore Blog

With a variety of topics and articles shared on a monthly basis, there is always something to learn and be inspired by on the AdaCore blog.

Recent articles include:

- Learning Ada with raytraced teapots
- Open-Source Ada: From Gateware to Application
- Verifying FACE® Conformance for Ada Software
- A new math library for Ada: Neo.SIMD

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