



AdaCore DIGEST

JULY 2025

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NEWSLETTER

07/25

25.2 Release

We're happy to announce the release of the second stable version of our technology, GNAT Pro 25.2. This is the bugfix version of branch 25 that we recommend for production builds and the last release for enterprise customers. After that point, subscribers to GNAT Pro Assurance products will still be eligible for critical bugfix releases on the 25 branch. [Full release notes are available here.](#)

Coming in 26.0: MC/DC Coverage for Rust

Standards covering the certification of safety-critical software typically require measuring and analyzing structural coverage of source code. The highest levels of certification typically require modified-condition / decision coverage (MC/DC). To date, the Rust ecosystem does not offer tooling to measure and analyze structural coverage of Rust code to MC/DC. This lack represents a significant barrier to the use of Rust for the highest levels of certifiable safety-critical software development.

This fall, AdaCore's 26.0 release will introduce support in GNAT Pro for Rust, which instruments Rust code and generates traces that contain structural-coverage information up to MC/DC. We also introduce support in GNATcoverage, a component of GNAT Dynamic Analysis Suite, which analyzes these traces and generates a coverage report, as it does for Ada, C, and C++.

Events

Summer Events Recap

AdaCore attended:

- [Army Aviation Mission Solutions Summit](#) - exhibitor
- [Avionics & Testing Innovations Conference](#) - exhibitor and speaker
- [AEiC 2025](#) - sponsor
- [Rust Paris](#) - sponsor
- [ASEE](#) - exhibitor
- [On-demand SPARK webinar](#)

Coming soon

Navigating Mars with Rust: Webinar on 8th July

Watch AdaCore expert Stephen Hedrick put Rust to the test by showing you how to create a navigational re-routing system for a M.A.R.S. Rover robot.

Join the webinar or watch on demand

A further update session on programming the M.A.R.S Rover robot with Rust will take place in October. Stay tuned for more dates and details on the [AdaCore Events Calendar](#).

Denver Tech Day: Join us in Denver, Colorado, on 16th September

- Attend exclusive training and briefing sessions on Static Analysis, Dynamic Analysis, Ada, SPARK, C/C++, Rust and more
- Learn about the latest advances in Cybersecurity and critical programming tools & languages
- See how CodeSonar can help your teams detect and remediate vulnerabilities early in the development lifecycle
- Speak to AdaCore experts about your projects in our beautiful Lake House venue
- Meet other critical software engineers from across North America
- Interact with our Rust-based M.A.R.S Rover robot demo (as featured in our [webinar](#))

Sign up for Denver Tech Day

Munich Tech Day: join us in Munich, Germany, on 16th October

- Attend exclusive talks on Static Analysis, Dynamic Analysis, Ada, SPARK, C/C++, Rust and more
- Learn about the latest advances in AI, fuzzing and critical programming tools & languages
- See how CodeSonar can help your teams detect and remediate vulnerabilities early in the development lifecycle
- Speak to AdaCore experts about your projects at our stunning venue in central Munich
- Meet other critical software engineers from across Europe
- Interact with our Ada and SPARK-based M.A.R.S Rover robot demo (as featured in our [webinar](#))

Sign up for Munich Tech Day

High Integrity Software Conference: Join us on 13 November 2025

Our highly anticipated 2025 programme will be announced within the next week. [Google's Dave Kleidermacher will open the conference](#), discussing high assurance in Google connected products and AI. Join us at the ICC Wales on 13 November for this unmissable day of critical software insights, networking and demos. Registration is now open so get your tickets now before they sell out.

[Get tickets for HISC 2025](#)

Ada Training

Places are still available for our training session on 8-12 September. This training course is for [software professionals new to the Ada programming language, live, hands-on training with AdaCore's expert instructors.](#)

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.

We look forward to seeing you there - [sign up for the training here.](#)

AdaCore in the press

News of our merger with CodeSecure has caused much media interest and has been widely welcomed with positivity.

As our CEO, Franco Gasperoni, said in the press release, "This combination marks a significant milestone in our shared mission to secure the world's most critical software. By uniting AdaCore's commitment to safety with CodeSecure's leadership in security, we are positioned to help customers navigate growing regulatory demands and cyber threats with confidence and agility."

Read the full press release [here.](#)

Our big industry news has been NVIDIA's release of their SPARK Ada reference process for ISO 26262 certification. The news was picked up in almost 30 publications, including this excellent article by [eeNews Europe.](#)

We have also had some popular press in military publications, including this article on autonomy in defence systems in [Military Systems & Technology.](#)

The AdaCore Blog

With a variety of topics and articles shared monthly, the [AdaCore blog](#) offers something for everyone to learn and be inspired by.

Recent articles include:

- [Navigating Mars with Rust](#)
- [Formal Methods for an Insecure World](#)
- [AdaCore and Lynx reaffirm longstanding partnership](#)

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