

Security Team Home

As vehicles become increasingly connected and software-powered, GENIVI recognizes an emerging need for a comprehensive, end-to-end security model. The GENIVI Security Team looks at automotive cybersecurity holistically and delivers guidelines, research, and education that help build, deliver and manage more secure vehicles in the future.

The GENIVI Security Team has added experts from [FASTR](#) (The Future of Automotive Security Technology Research), a nonprofit research consortium dedicated to automotive cybersecurity. The expanded GENIVI Security Team will leverage FASTR's foundational research and build upon the foundations both organizations have already established in the areas of threat modeling, secure software over-the-air updates and developing secure software. For more information about the FASTR integration into the GENIVI Security Team, visit the [FASTR FAQ page](#).

Security Team Charter

The Charter of the GENIVI Security Team is to:

1. Assemble emerging automotive cybersecurity challenges/solutions/standards and inform stakeholders through published guidelines, briefs, webinars and event presentations
2. Equip stakeholders to understand and use methods and models for identifying and mitigating cybersecurity attacks on a vehicle
3. Deliver education that equips software developers and architects with an understanding of typical approaches for attacking a vehicle and with methods of mitigating those attacks with sound software development methods and testing
4. Advise GENIVI software development activities to deliver more secure solutions for the connected vehicle.

Getting Involved

Security Team Chair: [Bevan Watkiss](#)

Team Meetings occur on every other Thursday at 10:00am US Eastern Time

Please download and import the following iCalendar (.ics) files to your calendar system.

<https://irdeto.zoom.us/meeting/416732673/ics>

To join Zoom Meeting (<https://irdeto.zoom.us/j/416732673>)

Recent Activities & Deliverables

- [Munich Member Meeting Security Track Presentations](#) (see multiple security-related topics on 4/19 schedule)
- Technical Brief: [Certificate Pinning](#) (with Cloakware/Irdeto)
- White Paper: [Man in the Middle Attacks and Secured Communications](#)
- Webinar: [How to Secure the Connected Vehicle Ecosystem](#) (Presentations by Uber and Irdeto)

FASTR Outputs

- ["Automotive Cybersecurity Literature Review,"](#) a report illuminating crucial research gaps
- ["Automotive Industry Guidelines for Secure Over-the-Air Updates,"](#) a document for assisting automotive manufacturers and others involved in evaluating platforms for secure updates

Past Activities & Deliverables

- [Security Requirements](#)
- [Threat Model](#)

Recent space activity



[Bevan Watkiss](#)

[Security Team Home](#) updated Jan 28, 2019 • [view change](#)



[Stacy Janes](#)

[Security Team Home](#) updated Oct 16, 2018 • [view change](#)



[Steve Crumb](#)

[Security Team Home](#) updated Jun 04, 2018 • [view change](#)

Space contributors

- [Bevan Watkiss](#) (140 days ago)
- [Stacy Janes](#) (245 days ago)
- [Steve Crumb](#) (379 days ago)
- [Nicholas Contino](#) (384 days ago)
- [Gunnar Andersson \(old account, disabled\)](#) (1328 days ago)
- ...

[FASTR FAQ](#) created Jun 04, 2018

[Nicholas Contino](#)

[Past Deliverables](#) updated May 30, 2018 • [view change](#)

