

# CARIAD, Inc. Partners with Security Compass to Securely Transform Automotive Mobility



## 100% of Software Development Organization Completed Security Training

CARIAD, Inc. is a global automotive software company that bundles together Volkswagen Group's software competencies and further expands them, building upon Volkswagen's heritage of bringing automotive innovation to everyone.

### Challenge

World-renowned for their long-standing tenure as automotive leaders, Volkswagen Automobile Group was looking inward to build out their vision to transform automotive mobility. Volkswagen launched their technology group, CARIAD, Inc., to bring focus to their mission to transform automotive mobility by building a leading technology stack to make automotive mobility safer, more sustainable and more comfortable.

In 2021, CARIAD, Inc. announced its collaboration with Microsoft Azure to build a cloud-based Automotive Driving Platform. However, on the path to be a software-driven mobility provider, CARIAD, Inc. still required an extensive training program that would create a foundational baseline for their technology group, covering various topics for their internal learners. **In particular, CARIAD, Inc. needed a baseline of security knowledge for their development organization.** They needed to arm their developers with security knowledge that would allow them to build and ship secure solutions for Volkswagen Automobile Group.

CARIAD, Inc.'s internal training program was using an outdated learning management system (LMS). The training organization was burdened by a system that was slow and had significant content gaps. Among its gaps was the lack of security content CARIAD, Inc.'s development organization needed to create that foundational security baseline for upholding a Secure Software Development Life Cycle. While IT and training projects existed to fill in the gaps with training content that could be imported and used on the aging and inflexible LMS until it could be replaced, CARIAD, Inc. was also looking for the right partner to deliver secure development training. They knew they needed this to put them on the path for better security posture and achieving their vision for secure automotive mobility. The right partner would at minimum, have a security curriculum that would cover the depth and breadth of their security requirements.

"We're progressing toward transforming automotive mobility and delivering secure applications for an enhanced driving experience. With Security Compass' Application Security Training, we achieved our goal of delivering security training and creating a baseline security knowledge base for our developers."

#### GERALD CHANG

CyberSecurity Analyst and  
Learning Program Manager

## Solution

In the search for the right partner, CARIAD, Inc. evaluated and ultimately selected Security Compass as their secure development training provider for delivering:

- ▶ **A comprehensive secure development training curriculum** with the right depth and breadth that met CARIAD, Inc.'s needs for training their development organization, management, general staff and executives. Security Compass also worked with CARIAD, Inc. to tailor 4 targeted learning paths that were highly relevant to the learners' roles in building and maturing CARIAD, Inc.'s culture of security, from general security awareness, application security, compliance and operational security.
- ▶ **Flexible and scalable product onboarding**, beginning with a SaaS offering to support CARIAD, Inc.'s training in Security Compass' hosted LMS, which one year later transitioned to a full export of Security Compass' Application Security Training courses into a new internal LMS at CARIAD, Inc..
- ▶ **Customer success processes** that enabled
  - A top-down paradigm shift by leadership to prioritize security
  - Bottom up compliance and participation from their developer organization to shift left and secure software by design
  - Complementary actions by management to enable learners to build in the time and capacity for completing their learning objective

## Key Business Impact

As a result of selecting Application Security Training by Security Compass and working with the Security Compass Customer Success team, CARIAD, Inc. was able to achieve:

### 100% adoption of the curriculum across 4 learner groups

- ▶ 100% of developers accomplished their mandated training. CARIAD, Inc. enabled their front line to shift left and obtain the baseline security knowledge required to be able to ship automated driving platform applications and updates securely.
- ▶ 100% of the executive team completed learning. CARIAD, Inc. successfully put into practice their leadership's prioritization of security, in alignment with their vision to make automotive mobility safer.
- ▶ 100% of general staff were onboarded, indicating security was a shared responsibility and wasn't just for the developers on the team.
- ▶ 100% of management finished their learning assignments. Managers shared in the training load and were empowering their staff to make time and have capacity for their training requirements along with their day-to-day deliverables.

## Improved Learner and Developer Engagement

- ▶ Relying on their own onboarding and roll-out efforts, only 3% of completions were achieved within 60 days. However, **after CARIAD, Inc. partnered with the Security Compass Customer Success team, they closed the gap with the remaining 97% of completions within 90 days.** Leveraging Security Compass' Customer Success resources, CARIAD, Inc.:
  - Prevented learner overwhelm by using Security Compass' Learning Paths to break out required vs. optional training. This meant learners didn't have to worry about content that was complementary and learners could stay engaged with the material they absolutely needed, as well as have the flexibility to continue learning the optional curriculum as desired.
  - Shared accountability for training responsibilities with better visibility into learner progress and completions through automated manager reports supported by automated notifications, completion reminders, and custom, personalized follow-ups for managers and learner groups.
  - Made learning fun, with a learner incentive program that rewarded those who tracked the fastest toward completion.

## Baseline Security Knowledge for the Developer Organization

- ▶ Prior to using Security Compass Application Security Training, CARIAD, Inc.'s developers did not have a common baseline of security knowledge. CARIAD, Inc. also did not have the confidence to say that their developers had the foundational training for securing their development cycle and understanding security as a requirement and not as a bug or issue to resolve after code was written, but before application delivery.
- ▶ With the completion of Security Compass Application Security Training, developers at CARIAD, Inc. were now equipped with foundational security knowledge. "Our developer organization is certainly better equipped now with this training. They are invested in security as a priority in our work towards powering the premier driving platform for Volkswagen Group and its industry leading brands," says Gerald Chang, CyberSecurity Analyst and Learning Program Manager.

CARIAD, Inc.'s vision to reshape the automotive experience for everyone, everywhere requires a secure development culture and environment. Utilizing Security Compass Application Security Training helps ensure CARIAD, Inc. can achieve their vision for transforming automotive mobility securely.

For more information on Security Compass' Application Security Training, visit us at <https://www.securitycompass.com/application-security-training/>

**Security Compass enables organizations to accelerate software time to market, while managing risk with automated threat modeling and best practice, role-based training.**