



IriusRisk«

« Axway Case Study

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« CASE STUDY

Axway - Globalizing Threat Modeling within a Leading Data Integration and Digital Experience Company



Enterprise Data Integration and Digital Experiences



Phoenix, Arizona Headquarters



Chris Ramirez, Principal Software Security Engineer
Sandy Blackwell, Director of Software Security

« Background:

Axway is a global enterprise with 6 R&D locations across North America and Europe. In an ideal world, security teams could sit down in a conference room with engineering and product stakeholders to conduct a live threat modeling session on a whiteboard.

However, even pre-pandemic, bringing teams physically together at each R&D site, multiple times per year for threat modeling was cost prohibitive. Using IriusRisk makes online, visual threat modeling with distributed teams a possibility and allows Axway to collaborate in real-time and asynchronously with its globally distributed engineering teams.

Axway has over 100 enterprise products and cloud services in their catalog and each engineering group and product may have different release cadences. Scheduling time with a software security expert to perform a threat model would cause delays and reduce engineering velocity due to an overwhelming number of requests and difficulty in coordinating calendars.

« The results: Collaborative and scalable threat modeling

Through the implementation and use of IriusRisk, automated threat modeling is now integrated into Axway's Secure Software Development Lifecycle (SSDLC), Continuous Security Review, and CI/CD processes. Teams can conduct a threat model as needed for their products, and readily see the list of issues. This allows engineering teams and product owners to catch potential security risks early in the development cycle and address issues before the products are released.



100+ Threat Models and Growing



300 - 400 ENGINEERS & 80 - 100 Security Points of Contact



COLLABORATION ACROSS 6 R&D SITES IN SEVERAL COUNTRIES

Axway now leverages IriusRisk to democratize and standardize the framework for threat modeling to ensure that each engineering team has proper training and tools to conduct their own threat model, on their schedule, and consult with the Software Security Group (SSG) as needed to address risks.

As their development organization and security procedures have evolved, so has the IriusRisk tool. Axway SSG has been pushing the envelope in scaling a world-class DevSecOps program and the IriusRisk Product Management and Customer Success teams have been great partners in our journey.

« About Axway

Axway gives heritage IT infrastructure new life, helping more than 11,000 customers worldwide build on what they already have to digitally transform, add new business capabilities, and drive growth. For 20 years, our B2B integration and MFT solutions, along with our Amplify API Management Platform – the only open, independent platform for managing and governing APIs across teams, the hybrid cloud, and third-party solutions – have helped companies move forward faster, reach new markets, and create brilliant digital experiences. Axway (Euronext: AXW.PA) employs over 1,800 people in 18 countries.

Before: Manual threat modeling	After: Threat modeling with IriusRisk
Bring several multinational teams together is ideal but not a scalable activity	Threat modeling becomes available globally to all product teams. Embedded into existing workflows
Software Security Group (SSG) consisted of 3 people with threat modeling experience	Initial threat modeling activity is now distributed to all SPOCs across the organization.
Intermittent and time-intensive upload, edit, and reporting on progress, results and risk	Fully centralized solution allowing reporting and fully auditable record of threat model creation and iteration.
Inconsistent inputs into Continuous Integration / Continuous Delivery (CI/CD) operations	Seamlessly integrated into DevOps and Security workflows, issue tracking, and project management
Duplication of process, efforts, and models - costing time and resources	Shared threat models and security standards content libraries - centrally and instantly accessible to all

« The Future of Threat Modeling at Axway

“Although Threat Modeling isn’t a new process to Axway, bringing together international teams of people to carry out manual threat modeling was never an easy task. With IriusRisk, we’ve been able to carry on our threat modeling practices across our existing products with much greater ease - to the point where it is now a systematic process which alleviates any SPOC bottlenecks that we used to have.”

- Sandy Blackwell, Director of Software Security, Axway



“The integration between IriusRisk and Jira has been invaluable to our workflow. Speeding up our processes and removing the need to create lengthy documentation. Jira tickets are created seamlessly for any controls which need to be put in place making the process flow smoothly for all teams.”

- Chris Ramirez, Principal Software Security Engineer



“Axway are well known as thought leaders in security, so the fact they are leaders in the threat modeling and secure design space is no surprise. One thing that really emphasizes this, though is the fact that instead of scaling down their threat modeling operations during the pandemic, they used their new remote-first way of working to accelerate how they centralize and collaborate across the globe on this essential part of their SSDLC.”

Having worked with them for some time, I continue to be grateful for my opportunity to work with a team that is truly leading in this space, helping to enable their continued innovation and continue to demonstrate how remote, collaborative threat modeling should be done.”

- Jonny Tennyson, Head of Customer Success, IriusRisk



To find out more about Axway’s Threat Modeling journey,
visit our website.

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