COALFIRE

DATA SHEET

Application threat modeling

Foundational application threat models to full-fledged solution architecture assessments

In response to an increasing global demand for technology, businesses are making unprecedented investments in modern architecture, but these solutions require evaluating real-world risks against security controls to demonstrate systemic coverage. However, their complexity makes it nearly impossible to adequately gauge security using only scanning tools and penetration testing. You need services that go deeper to identify controls and threats across an entire application or solution at any stage of the software development lifecycle (SDLC).

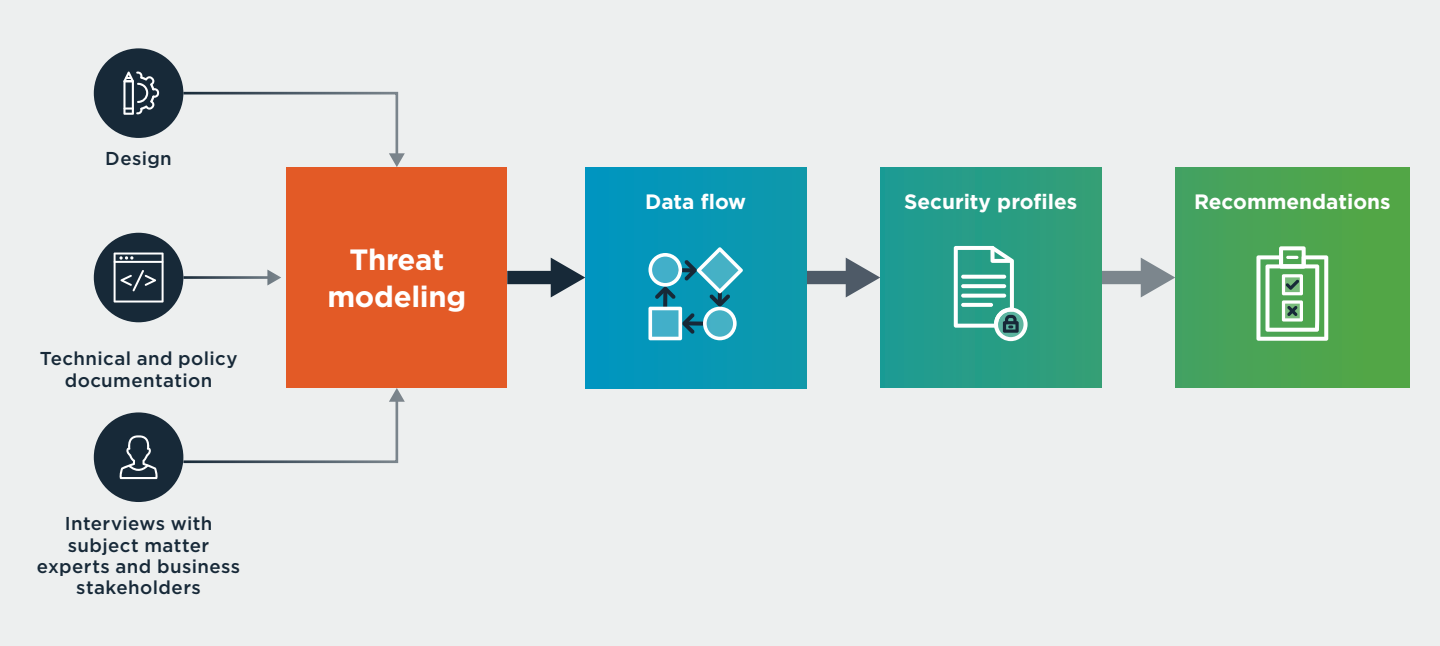
Coalfire's application threat modeling services

Our threat modeling services evaluate risks unique to your solution's architecture, focusing on threats and countermeasures as opposed to traditional regulatory requirements and coding risks.

The process

- **Step 1: Identify the fundamentals** — Review existing documentation and diagrams to provide a point of reference when discussing threats and underlying risk. We'll also use this time to gain an understanding of the current responsibilities and capabilities across executive and security leadership, development, and operations in relation to the in-scope application or solution.
- **Step 2: Break down the system** — Break down the current security features and the system's data flow to provide a baseline for system-centric threat identification and proper risk alignment.
- **Step 3: Identify threats** — Evaluate required security controls against provided security controls to determine the adequacy of risk mitigation. Along with the people and processes supporting the in-scope systems, all relevant technology – including security tools like SAST and DAST and DevOps solutions that mitigate risk across design, coding, and deployment – will be evaluated.
- **Step 4: Provide actionable recommendations** — Provide recommendations for addressing any areas where controls are needed or are weak. We will produce a living document that includes architectural and security-based controls spanning the entire solution; this document can be modified in parallel with future development.

Our application threat modeling process



Why Coalfire

- Through a combination of real-world experience and proven methodologies, we can conduct comprehensive threat models more efficiently than your internal teams — regardless of the development process you have in place.
- Our AppSec consultants have experience in both software engineering and security consulting, which means we're able to deliver modern, actionable guidance on all aspects of application security.
- We conduct more than 1,000 complex projects each year for clients in the technology, healthcare, financial, manufacturing, energy, and retail industries.
- Our team comprises experienced testers of the world's largest cloud service providers, including Amazon, Google, IBM, Microsoft, Oracle, and Salesforce.
- For the past 10 years, we have trained and educated security professionals at Black Hat in the advanced tradecraft we developed.

Identify and control threats across an entire application at any stage of the SDLC.

Learn more about Coalfire's application threat modeling services.
Coalfire.com | 877-224-8077

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About Coalfire

The world's leading technology infrastructure providers, SaaS companies, and enterprises – including the top 5 cloud service providers and 8 of the top 10 SaaS businesses – rely on Coalfire to strengthen their security posture and secure their digital transformations. As the largest firm dedicated to cybersecurity, Coalfire delivers a comprehensive suite of advisory and managed services, spanning cyber strategy and risk, cloud security, threat and vulnerability management, application security, privacy, and compliance management. A proven leader in cybersecurity for the past 20 years, Coalfire combines extensive cloud expertise, advanced technology, and innovative approaches that fuel success. For more information, visit **Coalfire.com**.

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