

Developer-Centric Threat Modeling

product

Our security product helps companies of all sizes **start and scale their threat modeling practices**. We use developer-friendly questionnaires backed by high-quality security research.

top use cases

- Build security in at scale and proactively secure products;
- Streamline project planning with security requirements;
- Just-in-time security awareness for developers.

What is Threat Modeling?

Threat modeling is a critical process in software security. By systematically examining potential threats, it helps **identify risks** and necessary **security requirements**. Whether applied during the design stage or after software is built, it makes software safer by preventing vulnerabilities from being created.

challenge

Although identifying risks and security requirements early in the Software Development Life Cycle has been proven to reduce costs and produce more secure products, implementing a robust *security by design* process can be costly and time-consuming.

solution

The solution we developed relies on automating the threat modeling process and making it dev-friendly so that developers can quickly describe their application and get a roadmap of security requirements to protect their products in the short, mid and long term.

benefits

- **Reduce risks:** Prevent vulnerabilities from being created in the first place;
- **Save Costs:** Streamline communication between departments for vulnerability management, make use of our up-to-date security research, and empower your developers with security knowledge;
- **Speed Time-to-Market:** Launch secure products in less time, gain security visibility, and have a security roadmap for every product.

how it works

1

Describe your application functionality in our 2 min questionnaire

The screenshot shows a questionnaire form with the following fields:

- Language: TypeScript
- Web Server: Nginx
- Framework: React
- Application Exposure: Internet, to anyone
- Version Control System: GIT
- Audience: Internet users & customers

Navigation buttons: Previous, Next

2

Get prioritized security requirements, tailored to your tech-stack

The screenshot shows a list of 8 requirements under the heading "Software Architecture":

- Minify and Bundle your JavaScript code
- Serve all frontend files as static files
- Consider using Server-Sent Events (SSE) instead of WebSockets
- Secure the WebSockets implementation
- Review code to avoid security by obscurity

3

Export the security requirements to Jira or tool of your choice

The screenshot shows a Jira Backlog for a project named "MVP". The backlog contains 26 issues, including:

- MVP-148: Restrict access to production data
- MVP-149: Create and test a backup/restore process
- MVP-150: Document the information handled by the application
- MVP-151: Enable HTTPS
- MVP-152: Review cached data to avoid confidentiality or integrity violations
- MVP-153: Move static assets to a cookieless domain
- MVP-154: Mask or redact confidential information from logs

4

(Optional) Configure your CI, e.g., Jenkins, to enforce security requirements

The screenshot shows a CI/CD pipeline status. A green checkmark indicates the "security-requirements-check" passed. The commit hash is #674988004, and the commit message is "important commit". The pipeline took 00:01:57 to complete and was last run 2 days ago.



features

- Threat modeling for frontend and backend applications
- Export requirements to Jira, Azure DevOps Boards, YAML, PDF, DOCX
- API access for automation and CI/CD Integration
- Custom questionnaires
- Custom requirements
- Integrate own requirements
- SSO

why us

- Experienced security researchers with 15+ years of experience and certified by industry most recognised certifications such as CISSP and CSSLP
- Continuously updated security research
- 1st class data protection
- Security support
- Product from <https://kakugo.ch/>