

PROMON



Promon Shield for Web™

End-to-end web app protection from client-side
to API



Promon Shield for Web™

The Shield protections you already trust. Now available for web.

Web apps continue to be a revenue-generating digital touchpoint, yet the browser is not protected by centralized, perimeter-based security controls. While widely deployed security controls do provide some client-side protection, Promon Shield for Web effectively removes the attack surface.

The last mile protection for web apps and APIs

Shield for Web protects web-based applications by making app code, critical business logic, and user sessions out of reach to attackers, with no code changes.

It's fully transparent to the app, mitigates client-side attacks that can occur in the browser, and protects APIs from abuse.

Now you can protect intellectual property, sensitive data, and critical business logic during runtime and beyond for web apps.

**No code
changes**

**No agents or
browser plugins**

**Transparent to
security stacks**

Why Promon Shield for Web™

By securing the front-end and protecting the back-end, Promon Shield for Web effectively removes the attack surface.

Everything delivered to the browser is encrypted, all app communication is protected in transit, and API endpoints can only be accessed by trusted clients.

✓ Trusted Runtime Environment (TRE)

An isolated bootloader is dynamically created within the browser.

✓ Client-side security

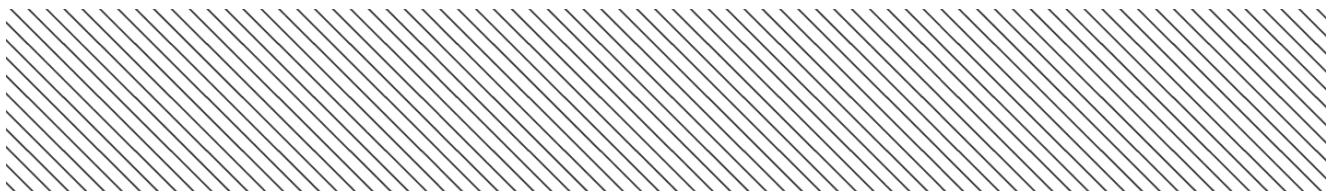
Everything delivered to the browser, including app code, data, and session state, is encrypted.

✓ API concealment

Direct access to endpoints is replaced with a unique, per-session, encrypted channel to deter reconnaissance.

✓ Per-session binding and attestation

The runtime environment and session binding is continuously validated to ensure only trusted clients can reach business logic.



Who needs Promon Shield for Web™

Promon Shield for Web™ provides defense-in-depth protection for security, development, and risk teams securing web apps.

Security and Risk Management

Transparent deployment extends runtime protection to web apps and deters API abuse from bots and automated attacks.

Development and DevSecOps

Integration without code changes or agents simplifies web app security and quickly enhances protections.

Compliance

Client-side protections strengthen alignment to increasingly stringent mandates for payment security such as PCI DSS.

CISO

Consistent security across mobile apps, web apps, and APIs reduces risk and improves operational efficiencies.

Product Teams

Fast and seamless deployment enhances protections without disrupting release velocity.

Key Capabilities



Runtime protection

Establishes a Trusted Runtime Environment (TRE) within the browser and continuously validates client integrity to prevent tampering and debugging.

Who benefits: security and DevSecOps engineers



Client-side security

Encrypts everything sent to the browser to mitigate client-side risks such as malicious scripts and keyloggers.

Who benefits: security and risk teams



API protection

Conceals endpoints to prevent attackers from targeting them directly and dynamically binds sessions to the trusted client runtime to prevent hijack and replay.

Who benefits: security architects, fraud teams



Compliance

Strengthens alignment to compliance mandates around payment security including PCI DSS.

Who benefits: Compliance officers, security leads, auditors

How it works

Promon Shield for Web™ hardens web apps and APIs with controls that complement existing security solutions and quickly enhance protections, easily integrating into existing environments and closing the front-end to back-end security gap.

At a glance

1. Dynamically create a Trusted Runtime Environment (TRE) within the client browser.
2. Encrypt app code and conceal APIs with no code changes to the application.
3. Establish a unique, encrypted channel between the client and back-end services for every session.
4. Validate the client runtime and session binding to ensure only trusted clients can access back-end services.

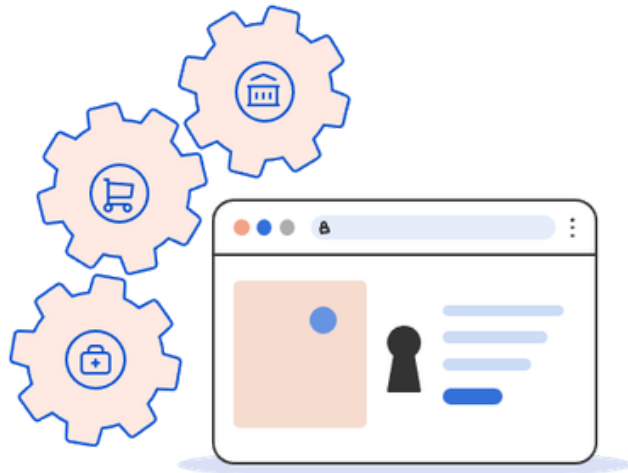
No code changes. No browser agents or plugins.



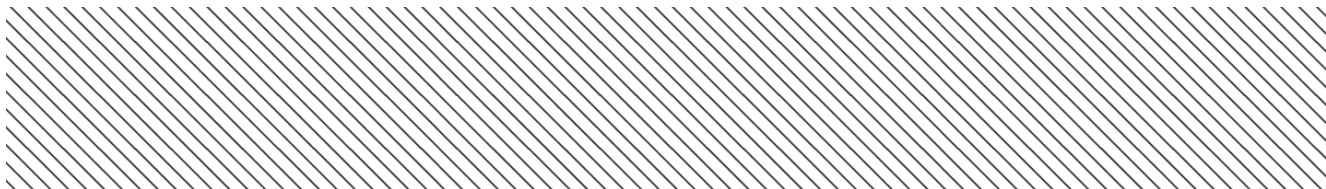
Build, launch, and scale web apps with nothing in attackers' reach.

End-to-end web app protection from client-side to API

Build it. Prove it. Your web journey. Protected by Shield.



- ✓ No code changes
- ✓ No agents or browser plugins
- ✓ Deploys transparently into any environment
- ✓ Strengthens alignment to compliance mandates
- ✓ Removes the attack surface



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About Promon

Promon leads the way in proactive mobile app security. For 20 years, we've been making the world a safer place by securing any app, on any device—in no time at all. Today, we protect over 2 billion users, secure 13 billion monthly transactions, and safeguard \$2.5 trillion in market cap. Promon is headquartered in Oslo, Norway, with offices in more than 15 countries around the world.

Would you like to talk to an expert?

Mobile app security is crucial to preserve and improve your business reputation. Request pricing or talk to an expert to learn more today.

[Book a meeting »](#)