



## Protect the Value of your Innovation

Through a combination of cutting-edge obfuscation and runtime validation techniques, PreEmptive Protection JSDefender offers material risk mitigation against the following threats:

- Intellectual Property Theft
- Revenue Loss
- Trust and Brand Damage
- Fraud and Unauthorized Data Access

*"PreEmptive offers a scalable, commercial platform that helps Quest Software do what we do best: deliver high quality, high value, mission-critical software."*

Claudia Fernandez

Director of Product Development

Quest Software

### Protect your intellectual property

JavaScript code running in an untrusted environment is vulnerable to hackers, competitors, and pirates who are after your trade secrets and other intellectual property. Unprotected JavaScript is easy to understand, copy, and modify. Properly protected code is much more difficult to understand and reverse-engineer.

### Secure your software and your data

Your JavaScript creates, accesses, and changes data, so securing the code is a key component to protecting your data. Regulations such as GDPR and PCI apply to data processing applications as well as to data, and can carry material penalties for failure or non-compliance. Deploying protected, self-defending code is an important part of your broader compliance effort.



## Flexible, Secure, Reliable

JSDefender has reasonable default settings, along with fine-grained configuration capabilities, allowing you to protect your code the way you want to.

JSDefender is not a cloud service running in a location you don't control. Your original code never leaves your environment during a build.

Our commitment to quality means JSDefender's transforms won't break your application, nor will it introduce unacceptable performance degradations.

## Advanced Hardening and Defense

**Renaming** – Safely renames symbol declarations to unintelligible names.

**Control Flow Flattening** – Hides the original program logic, effectively thwarting machine translation, without compromising performance or quality.

**String Encryption** – Replaces string literals with encoded equivalents, impeding string based attacks based on static analysis.

**Property Indirection** – Replaces JavaScript property references with string equivalents, allowing string encoding to protect property references.

**Boolean and Integer Transformations** – Replaces Boolean and integer literals with equivalent, but harder to understand, expressions.

**Domain Lock** – Embeds a runtime check into browser-based JavaScript, preventing unauthorized hosts from serving it.



### Development Process Integration

PreEmptive Protection JSDefender provides easy, flexible, and scalable deployment options to accommodate everyone from agile start-ups to automated manufacturing processes. JSDefender integrates naturally into npm and yarn based environments. It has a full command line interface, and includes plugins for Webpack and React Native's Metro bundler.



### Dedicated Support Engineers in North America & Europe

Our dedicated, professional team knows how to program, they know our technology and their entire job is to make you successful.



### Licensing Model to Support Enterprise & Mission-Critical Development

Cost effective and simple to administer licensing. What we will never do is impose an arbitrary "tax" on our clients' success, development practices, or development velocity; as an example, charging clients based upon the number or popularity of your JavaScript applications violates our basic principles of fairness, transparency, and value-based pricing.



### A Market Leader Across Every Industry, Geography & Business Category

Over 5,000 of the largest manufacturers, life science companies, aerospace corporations, financial institutions and software development organizations trust PreEmptive to secure and measure their work without compromising the quality and functionality of their code.

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