



Security Planning and Design

The most secure applications are planned that way. Casaba can help you build security into your application from the ground up.

Let Casaba Help with Your Security Planning and Design

Building a web application or information system represents a significant investment of time and money. But while many companies understand the value of these information assets, they often approach the task of securing them as a last step, which can lead to vulnerabilities or costly design revisions.

Casaba can help reduce overruns and streamline development by ensuring your applications are planned and designed with security in mind. We can work closely with your development team to make sure the most effective security designs are being applied every step of the way.

Threat Modeling

Before deployment, Casaba provides comprehensive threat modeling to understand the risks your applications may face. Threat modeling puts an entire application into clear perspective with regard to security issues and helps you reasonably assess specific threats for a more logical, informed approach to building security into your systems and applications.

Threat modeling is often an iterative process and can be performed repeatedly as the application is designed and implemented. For example, it is common for changes to be made to the model of a system as threats are identified and the system is better understood. This process ensures that designers have the information they need to make intelligent decisions about functionality and developers can build threat mitigation into their code.

Get Started

Contact us today for a free consultation and security review:

- Phone: 888.869.6708
- Email: info@casaba.com
- Web: www.casaba.com

Your Trusted Partner

Casaba has built a reputation with our customers for being trusted, highly qualified security partners. Our team includes respected security community leaders who have published books on security practices and presented at leading industry events.

Best Practices in These Core Design Requirements:

- Attack surface reduction
- Authentication
- Authorization
- State tracking
- Cryptography
- DoS resistance
- Exploit resistance
- Input validation
- Disaster Recovery
- Monitoring
- Logging and repudiation
- Intrusion Detection

Taking a Phased Approach

Whether you're still planning your application or have already begun designing it, Casaba can step in and provide guidance on existing and emerging security threats. We'll partner with you to assist at each step of the way or provide a thorough assessment of your project in its current state.

- *Conceptual Phase:* Casaba can help identify threats and roadblocks to the success of a product by applying practical models to theoretical concepts.
- *Design Phase:* We can review specifications and requirements to find areas of exposure in order to minimize vulnerabilities down the road.
- *Development Phase:* We can review development practices and deployment scenarios and perform static analysis of source code and documentation.
- *Testing Phase:* We can help develop security test cases relevant to your business objectives and even participate as virtual test team members.

Security Development Lifecycle (SDL)

Planning and design are the precursors to streamlined application development. Casaba can help ensure a seamless planning and development process from beginning to end through the implementation of a Security Development Lifecycle program.

Pioneered by Microsoft, the SDL is a thorough model for planning, developing, and releasing secure software. By implementing an SDL program, businesses can reduce costs over time while minimizing security risks. As a member of the Microsoft SDL Pro Network, Casaba can help develop a program to ensure your applications meet some of the most stringent security requirements in the industry.

About Casaba

Casaba is a tight-knit team of security pioneers with a reputation for relentlessly researching, developing, and implementing innovative solutions to the most difficult security problems. We are prepared to assist in every phase of security consulting and auditing, and we are fully bonded and insured by Lloyds of London.

Risk Mitigation and Compliance

Planning for security means designing with business goals in mind. Casaba can help protect against fraud, reduce risk, and maintain compliance with requirements of the Payment Card Industry Data Security Standard (PCI DSS), the Federal Information Security Management Act of 2002 (FISMA), and other important industry standards.

Microsoft SDL Pro Network

Casaba's commitment to excellence in security services is evident in its recognition as one of only twenty qualified members of the Microsoft Pro SDL Network. This means we can help businesses build applications that meet some of the highest security requirements in the industry.