



# Application Security



## Adaptive Authentication



**Challenge:** Organizations that expose services and business applications on their intranet and extranet are concerned about security. Fraud and misuse can cause a lot of damage and incur both direct and indirect costs for an enterprise. Employee and partner accounts are being compromised and misused at the expense of the enterprise.

### **Solution:**

A risk-based authentication and fraud-detection platform that monitors and authenticates online activities in real time by correlating behavioral analysis, device profiling, and data feeds.

### **intiGrow's Offerings:**

intiGrow provides an invisible form of authentication that uses its logic to learn user behavior and detect fraudulent activity. The solution looks at various parameters, like behavioral profile, device-related profile, what sort of web browser is being used, the plug-ins used in the browser, etc. The solution generates a risk score to figure out if a user is genuine or not & learns user behavior.

### **Benefits:**

- + Enable strong, multi-factor authentication using device forensics, behavioral analysis, and Fraud-Network matching.
- + Monitor and authenticate online activities in real time by correlating behavioral analysis, device profiling, and data feeds from Fraud-Network.
- + Higher users' confidence, satisfaction, and willingness to transact with online portals.

## Application Firewall



**Challenge:** A typical network firewall can help restrict traffic, but this traffic can contain command exploits leveraging vulnerabilities in the application itself. These exploits can result in data leakage, site defacement and other attacks by hackers that compromise both the privacy and integrity of vital data. Businesses of all sizes that operate their own Web applications should ensure that their Web sites are protected against application vulnerabilities.

### **Solution:**

A set of application-specific policies that gives granular control over network traffic on the level of users, email users, schedules, and IP-subnets. The primary functionality of this application-layer access control feature is to regulate Web browsing, file transfer, email, and email attachments.

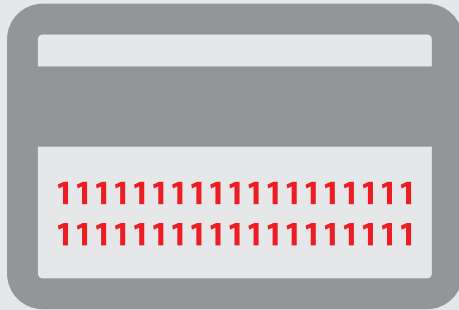
### **intiGrow's Solution:**

intiGrow's Application Firewall provides complete protection of applications and is designed to enforce policies for both internal and external data security standards. Our solution also features intelligent prevention functionality which allows users to create custom, policy-based actions like disabling an attachment, sending a custom block page, sending a custom email reply, redirecting an HTTP request, sending a custom FTP reply over an FTP control channel.

### **Benefits:**

- + Rapid deployment with built-in intelligence
- + Offers high performance and transparency of unethical actions.
- + Easily scalable in multi-application environments across multiple data centers
- + Facilitates compliance with PCI DSS Requirement
- + Opens timely communication between security, development and management teams

## Application Security Assessment



**Challenge:** The market for stolen personal information, credit card numbers, Social Security numbers, and passwords is flourishing and Internet criminals harvest information from insecure applications that haven't been tested sufficient. Applications at the same time are also becoming more complex as enterprises combine internally developed code with commercial off-the-shelf packages, third-party software, and open-source code. An attacker that exploits vulnerabilities in a application can gain access to highly sensitive data located deep within the enterprise.

### **Solution:**

An application security testing solution that offers an application security assessment mode which that provides on-demand testing through an easy-to-use delivery model.

### **intiGrow's Offerings:**

intiGrow's Application Security Assessment provides an extensive and objective security analysis of organization's internally developed or commercial applications that need to be secured from vulnerabilities that can lead to a compromise of sensitive data. intiGrow's security experts allows organizations to prioritize risk against business objectives that can address the most important flaws first and offers a higher level of accuracy by returning fewer false positives and delivering a more comprehensive analysis.

### **Benefits:**

- + Expert analysis and validation by a certified security professionals.
- + Enables in weeding out the false positives, saving time and money.
- + Provide with specific action steps and detailed plan on how to secure applications.
- + Provide knowledge transfer to internal security resources for future developments
- + Access to dedicated senior project team who hold global recognition in the security industry.

## Static and Dynamic Code Analysis



**Challenge:** In application development, a small coding error can result in a critical vulnerability that ends up compromising the security of an entire system or network. Security vulnerability is not just caused by a single error, but rather by a sequence of errors that occur during the course of the development cycle. When coding error is introduced, it goes undetected during the testing phases, and available defense mechanisms do not stop a successful attack.

### **Solution:**

An analyzer that monitors whether the code meets uniform expectations around security, reliability, performance, and maintainability and at the same time deliver real-time results based on corporate security policy. A solution that can generate “badness metrics”, giving management and analysts the information about the overall quality of the software.

### **intiGrow’s Offerings:**

intiGrow’s code analysis technology enables enterprises to test software more effectively and comprehensively provide greater security for the organization. Our solution provides a higher degree of flexibility by supporting a wide range of vulnerability categories, OS platforms, programming languages and frameworks.

### **Benefits:**

- + Centrally managed and highly automated
- + Superior Accuracy and Coverage
- + Zero false-positives solution to include in the SDLC
- + Large projects are scanned with high speed and accuracy
- + Ensure consistency across development languages, development teams, and third-party partners

## Code Review



**Challenge:** Organizations today are under the pressure to bring applications web based or online quickly and security turns out to be a major concern. These Applications can expose vital data, and security vulnerabilities from poorly designed code may enable attackers to gain access to confidential information, modify a database or other system, or cause the application to crash or become unstable.

### **Solution:**

A solution that automatically identifies updated code by scanning the source control system or the local file system, identifies code changes in a source repository via custom source control interfaces and matches the code with designated reviewers, and tracks the progress of each review item until closure.

### **intiGrow's Offerings:**

intiGrow's Code Review consists of line-by-line analysis of source code for normal and unexpected code behavior that enables security analysts to identify code-level risks that could pose significant risk to an organizations business applications. The solution provides report that shows technical findings and provides actionable mitigation steps to resolve code-specific issues.

### **Benefits:**

- + Relieves developers from having to perform line-by-line inspections during code reviews
- + Reviewers get to know where the reviews have to be performed and if issue is resolved
- + Enhance productivity as coders needn't spend time tracking changes in code
- + Easy review setup with designated reviewers with flexible configuration options.
- + Application quality improvement

## Application Penetration Testing



**Challenge:** In recent years, web applications has grown dramatically popular, with organizations converting legacy mainframe and database systems into dynamic web applications. These applications will expose customer information, financial data and other sensitive and confidential data over the Internet and intranet.

### **Solution:**

A solution that efficiently enables in identifying vulnerabilities and tests the impact and risk associated with these vulnerabilities by launching exploits of an identified system.

### **intiGrow's Offerings:**

intiGrow's Application Penetration Testing Solutions provides an extensive and objective security analysis of organizations internally developed or commercial applications that looks for vulnerabilities which can lead to a compromise of sensitive data. The solution offers analysis of application-level vulnerabilities and platform or server mis-configurations, as well as detailed recommendations for remediation.

### **Benefits:**

- + Intelligently manage vulnerabilities
- + Avoid the cost of network downtime
- + Meet regulatory requirements and avoid fines
- + Preserve corporate image and customer loyalty
- + Justify security investments
- + Satisfy prerequisites for cyber security insurance
- + Ensures the integrity and security of information assets
- + Increases user confidence that sensitive, business-critical data is protected



intiGrow is a Global Enterprise Security company delivering comprehensive security solutions and competitively priced security services to a myriad of industry verticals, empowering enterprises to achieve a business enabled defense-in-depth security posture, manage corporate risk, improve compliance, and attain proactive detection and prevention of security threats to their computing infrastructure, data, and applications