

# Web Application Security Audits

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## Solutions For Advanced IT Services

**Altius Information Technologies, Inc.**

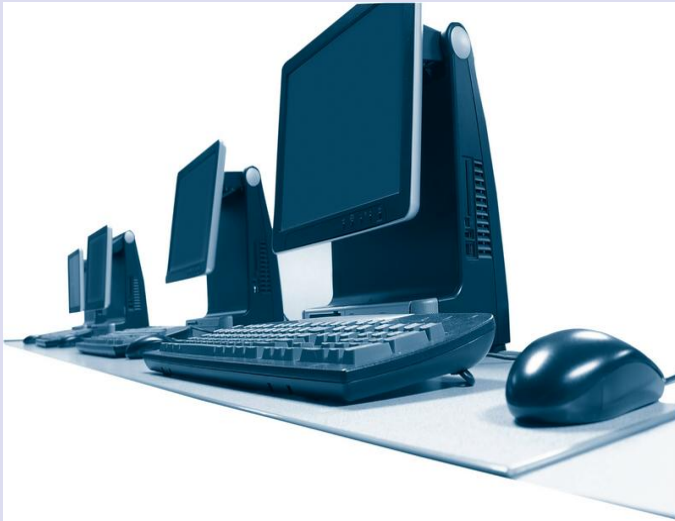
**Dedicated to the advancement of IT services**

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### Automated Services Aren't Sufficient

Hackers don't rely exclusively on automated web site scans and neither should you.

Since web sites need to be accessible by the public, security mechanisms must allow web traffic to communicate with database servers through web applications.

Altius IT uses a combination of manual and automated tools that emulate the approach used by hackers when they attack a web site.

Leading organizations know that vendor automated web site scans provide little defense against knowledgeable hackers and full-scale web attacks. Our proprietary approach finds risks that other miss, 100% of the time.

### Deliverables

Altius IT's deliverables include a report of vulnerabilities identified, recommendations to eliminate risks, and a prioritized risk response action plan. We also provide a certification letter and seal that can be prominently placed on your web site informing your web site visitors that their sensitive information remains secure.

## Web Application Assessments

For many organizations, Web applications are the most vulnerable element of an organization's IT infrastructure. As your organization uses the Internet for customer, supplier, employee, and vendor interactions, Web technologies and database interfaces become more complex and require additional security.

### Assessment Process

Altius IT's experts emulate the approach used by hackers. Using a combination of manual and automated tools, we identify over 35,000 types of vulnerabilities including:

- Buffer overflow - integer overflow, programming
- SQL injection - application layer attacks
- Cross site scripting - malicious, embedded code
- Broken links - attacks exploiting broken links
- Google hacking - site scanning, cgi scanner
- JavaScript - error checks, calc areas, user action
- Authentication - attacks that circumvent or exploit the authentication process
- Authorization - attacks that exploit user, service, or application permissions
- Client side attacks - user exploits
- Information disclosure - version and patch numbers, host information
- Logical attacks - procedural flow vulnerabilities and logic issues
- Web server attacks - web server operating system and version errors

### Reconnaissance (information gathering)

Altius IT's website security audit is customized to your specific needs and emulates the approach used by hackers. We first begin with reconnaissance:

- Altius IT maps out the web site structure
- We Inventory all available web site pages
- Our experts find secure log in areas
- We identify databases and other areas that contain sensitive information

### Exploits

Once reconnaissance is complete, our experts launch a series of vulnerability attacks on each web site page, interfaces to database systems, and internal networks. We analyze each page and document identified vulnerabilities.