

# Is Your Website Hackable?

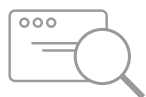
70% are. Detect and action with Acunetix

As many as 70% of websites contain vulnerabilities that can lead to the theft of sensitive corporate data such as credit card information and customer lists. Website security must be a priority in any organization but remains overlooked. Hackers continue to concentrate on web-based applications such as shopping carts, forms, login pages and dynamic content. Web applications are accessible 24/7 and control valuable data since they often have direct access to back-end data.

## Firewalls, SSL and Hardened Networks Are Futile Against Web Application Hacking

Any defense at network security level will provide no protection against web application attacks since they are launched on ports 80/443 – which have to remain open. In addition, web applications are often tailor-made therefore tested less than off-the-shelf software and are more likely to have undiscovered vulnerabilities.

Acunetix automatically tests websites and web applications for SQL Injection, XSS, XXE, SSRF, Host Header Attacks & over 3000 other web application vulnerabilities. In addition, Acunetix provides powerful Vulnerability Management tools for ensuring vulnerabilities are not only discovered, but remediated in context of business-criticality; as well as providing management with the tools and reports required to make strategic decisions.



### Crawl & Scan

What you can't crawl you can't scan. Acunetix can crawl complex web application architectures including JavaScript-heavy HTML5 Single Page Applications while being able to scan restricted areas automatically & easily.



### Detect & Alert

With vulnerability detection, it's accuracy that counts. Acunetix detects over 3000 types of web app vulnerabilities alerting according to severity, but its ability to scan accurately, guaranteeing low false positives, is what places it above the rest.



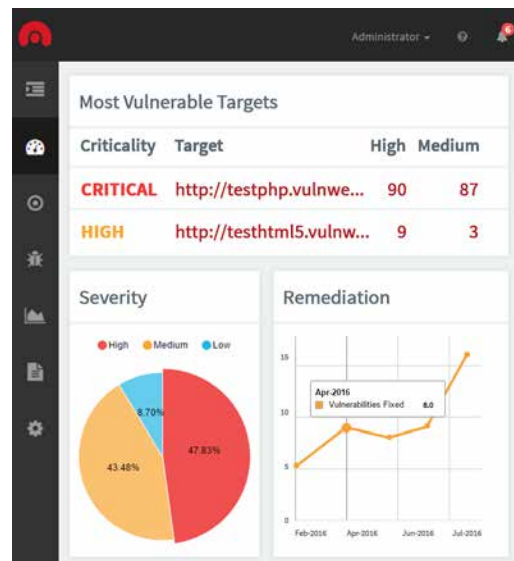
### Prioritize & Manage

Aggregate and review vulnerability data across your organization with builtin Vulnerability Management. Prioritize security risks based on business criticality and conform to several regulatory and compliance standards.

# Acunetix - The Technology Leader in Web Application Security

Acunetix are the pioneers in Automated Web Application Security Testing with an engineering lead in website structure analysis and vulnerability detection. The Acunetix innovative technologies include:

- **DeepScan** Technology allows accurate crawling of AJAX-heavy client-side Single Page Applications (SPAs) that leverage complex technologies.
- Industry's most advanced and robust SQL Injection and Cross-site Scripting testing, including advanced detection of DOM-based Cross-site Scripting.
- A **Login Sequence Recorder** that allows the automatic crawling and scanning of complex password protected areas.
- **AcuSensor Technology** allows accurate scanning further reducing the false positive rate, by combining black-box scanning techniques with feedback from its sensors placed inside the source code.
- Built-in Vulnerability Management tools to discover, measure and remediate vulnerabilities with ease. Including a wide variety of management and compliance reports.
- Highest detection of WordPress, Joomla! and Drupal vulnerabilities.



| Severity | Vulnerability                   |
|----------|---------------------------------|
| High     | Blind SQL Injection             |
| High     | Cross-site Scripting            |
| High     | DOM-based Cross-site Scripting  |
| High     | Nginx SPDY Heap Buffer Overflow |
| Medium   | Directory Listing               |
| Medium   | Source Code Disclosure          |

## In-depth SQL Injection and Cross-site Scripting Vulnerability Testing

Acunetix rigorously tests for thousands of web application vulnerabilities including SQL Injection and Cross-site Scripting. SQL Injection is one of the oldest and most prevalent of software bugs; it allows attackers to modify SQL queries in order to gain access to data in the database. Cross-site scripting attacks allow attackers to execute malicious scripts inside the visitors' browser; possibly leading to impersonation of that user. Acunetix is the industry leader in detecting the largest variety of SQL Injection and XSS vulnerabilities, including Out-of-band SQL Injection and DOM-based XSS.

## AcuSensor Technology Guarantees Low False Positives

Traditional web application security testing (black-box testing) will not see how code behaves during execution and source code analysis will not always understand what happens when code is in execution. Acunetix AcuSensor combines these two methodologies and is able to achieve a significantly higher detection of vulnerabilities.

Acunetix AcuSensor Technology enhances a regular dynamic scan by deploying an agent inside the source code to provide Interactive Application Security Testing (IAST) functionality. AcuSensor will then relay feedback to the scanner during the source code's execution. What's more, AcuSensor, even indicates the line of code where the vulnerability lies and reports additional debug information. This greatly increases remediation efficiency and makes the developer's task of fixing the vulnerabilities quicker and easier.

### SQL Injection High Open

#### Attack details



URL encoded GET input **cat** was set to **1AC**

#### Source file

**/hj/var/www/listproducts.php** line: **61**

#### SQL query

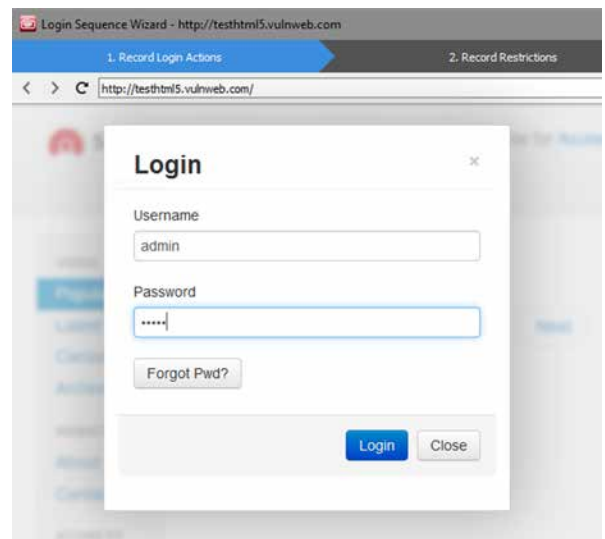
```
SELECT a.*, b.aname, b.artist_id,
    tag c WHERE a.cat_id=c.cat_id AND
```

## Hassle-free Authenticated Web Application Testing

Testing authenticated areas of your websites and web applications is absolutely crucial to ensure full testing coverage. Acunetix can automatically test authenticated areas by recording a Login Sequence using the Login Sequence Recorder (LSR). The LSR makes it quick and easy to record a series of actions the scanner can re-play to authenticate to a page. It can also record a series of restrictions; making it trivial to granularly limit the scope of a scan in a few clicks.

The Acunetix Login Sequence Recorder supports a large number of authentication mechanisms including:

- ✓ Multi-step/Custom Authentication Schemes
- ✓ Single Sign-On Authentication
- ✓ CAPTCHAs
- ✓ Multi-factor Authentication



## Accurately Crawl and Scan with DeepScan Technology

Acunetix features DeepScan Technology which allows the scanner to robustly test any application, no matter what web technology it's written in. At the heart of DeepScan, is a fully automated web browser that can understand and interact with complex web technologies such as AJAX, SOAP/WSDL, SOAP/WCF, REST/WADL, XML, JSON, Google Web Toolkit (GWT) and CRUD operations just like a regular browser would. This allows Acunetix to test web applications just as though it is running inside of a user's browser, allowing the scanner to seamlessly interact with complex controls just as a user would, significantly increasing the scanner's coverage of the web application.

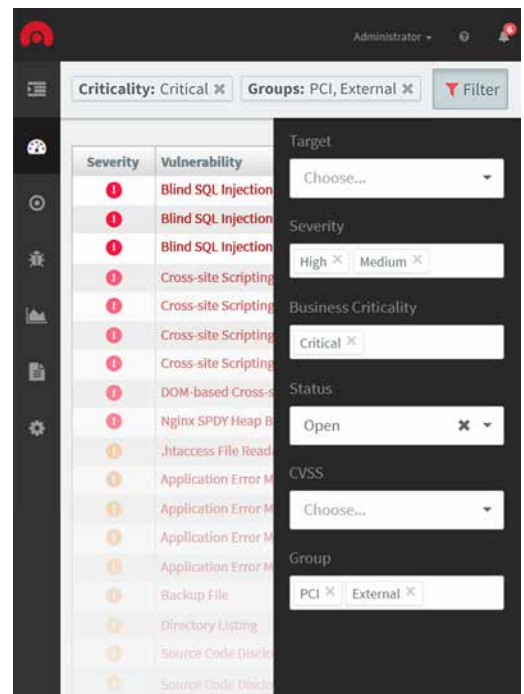


## Company wide Vulnerability Management program in one consolidated view

Vulnerability Management (VM) is the ongoing effort of discovering, measuring and remediating vulnerabilities. Acunetix bakes advanced vulnerability management features right-into its core, making it easy to kick-start a VM program, as well as integrate the scanner's results into other tools and platforms.

It takes teamwork and collaboration to build and maintain a great security program. The Acunetix multi-user, multi-role features allow team members to be flexible and productive while getting access only to resources they need. VM features allow the team to easily maintain an integrated view of the security posture throughout the application portfolio by storing everything into a single, central location.

- ✓ Easy-to-use web interface
- ✓ Role-based multi-user system
- ✓ Prioritize risks based on vulnerability data and importance of application
- ✓ Group assets for easier management
- ✓ Export vulnerabilities to Atlassian JIRA, GitHub and Microsoft TFS
- ✓ Generate advanced management and compliance reports (such as PCI DSS, OWASP Top 10, ISO 27001, HIPAA and others)



Download or Register  
your Free 14-Day trial at  
[www.acunetix.com](http://www.acunetix.com)

## WordPress, Joomla! And Drupal Vulnerability Scanning

Acunetix identifies WordPress installations and will launch security tests for over 1200 popular WordPress plugins, as well as several other vulnerability tests for WordPress core vulnerabilities. In addition, Acunetix can also detect vulnerabilities in Joomla! and Drupal Content Management Systems (CMSs) that have their own share of vulnerabilities and misconfigurations.

## Automatic Web Application Firewall (WAF) Configuration

Acunetix supports Imperva SecureSphere, F5 BIG-IP Application Security Manager and FortiWeb WAF and can automatically create the appropriate WAF rules to protect web applications against attacks targeting vulnerabilities that the scanner finds. This allows you to temporarily prevent exploitation of high-severity vulnerabilities until you are able to fix them.

## Advanced Network Level Scanning

Comprehensive security audits require detailed inspection of the perimeter of your public-facing network assets. Acunetix has integrated the popular OpenVAS scanner within Acunetix Online to provide a comprehensive perimeter network security scan that integrates seamlessly with your web application security testing, all from an easy to use cloud-based service. Acunetix will test for: Weak passwords, insecure web server configuration, directories with weak permissions, DNS server vulnerabilities, FTP access tests, badly configured Proxy Servers, weak SSL ciphers, and many other sophisticated security checks.

## Available Online or On Premise

Acunetix is available online or on premise. Acunetix Online can be licensed per year for any number of scan targets. The on premise version is available as an entry level two concurrent scan **Standard Edition**; a five concurrent scan **Pro Edition** for the power user requiring more detailed compliance reports and integration with the software production train; and a ten concurrent scan **Enterprise Edition** that adds multi-user, collaborative team capability and can control multiple Acunetix scan engines. All Editions allow users to automatically and accurately scan and perform extensive penetration tests on an unlimited number of websites, while properly managing remediation in a consolidated manner on an ongoing basis.

## About Acunetix

Founded in 2004 to combat the alarming rise in web application attacks, Acunetix is the market leader, and a pioneer in automated web application security technology. Acunetix products and technologies are depended on globally by individual pen-testers and consultants, all the way to large organizations such as the Pentagon, Nike, Disney, Adobe and many more. For more information, visit [www.acunetix.com/company](http://www.acunetix.com/company).

## Customer Testimonials

"Protiviti is into consulting. We use Acunetix for our application security engagements. Acunetix drastically reduces the time and effort spent on manual testing."



Md. Sikkandar Sha  
Senior Consultant  
Protiviti

"We use Acunetix for initial site enumeration and to ensure that we cover all common surface area and attacks with at least a minimum level of testing. Most of our testing is completed manually and we find logic issues etc. but occasionally focus on difficult to find issues instead of simple issues, like a file upload flaw hidden in the corner of a site that Acunetix brings to our attention."



Brian W. Gray  
Sr. Information Security Engineer  
Carnegie Mellon University

"We use Acunetix as part of our Security in the SDLC and to test code in DEV and SIT before being promoted to Production."



Kurt Zanzi  
Information Security Office  
Xerox

Some of Acunetix clients



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