

Tripwire Enterprise for Microsoft IIS

Optimal Performance and Secure, Compliant IT Configurations for Your Microsoft IIS Server Environment

Microsoft Internet Information Services (IIS) Web server is the Web server of choice for Fortune 1000 companies.¹ Businesses rely on it to support vital services such as e-commerce, customer support, and supply chain applications, so poor performance, security issues, and downtime are not an option. Unfortunately, IIS Web servers are plagued by the same issues as other IT systems—improper or sub-optimal configurations, improper and unauthorized change, and attacks. Administrators need powerful configuration assessment and change auditing to gain control of their Microsoft IIS servers and have confidence they can deliver the important business services these servers support.

OPTIMIZE PERFORMANCE AND SECURE YOUR MICROSOFT IIS WEB SERVER—AND MAINTAIN THAT STATE—WITH TRIPWIRE ENTERPRISE

Tripwire® Enterprise assesses Microsoft IIS Web server configurations against critical industry best practices, external regulatory requirements, and internal standards to ensure organizations achieve a secure, compliant, and high-performing state. Out-of-the-box, Tripwire offers policies that test against the Center for Internet Security (CIS) and Payment Card Industry (PCI) standards as well as against policies designed by industry experts that analyze and evaluate IT systems for performance and availability. Once configurations are in a known, good state, Tripwire helps keep them there. Tripwire's powerful continuous change auditing immediately detects any non-compliant or unauthorized change and notifies IT so they can quickly get servers back into policy.

Tripwire Enterprise for Microsoft IIS helps:

- **Increase Performance by Optimizing Server Settings.** Tripwire tests Microsoft IIS configuration and registry files to ensure they are configured to support faster web page loads and reduce system outages due to spikes in activity that overwhelm the server—higher performance and greater availability that results in increased customer satisfaction and retention.
- **Ensure a Secure, Compliant Web Server Configuration.** Tripwire tests server configuration and registry files against trusted security standards developed by industry-recognized standards such as CIS (Center for Internet Security) and PCI DSS (Payment Card Industry Data Security Standard). Tripwire also provides valuable evidence to quickly substantiate compliance in audits.
- **Provide Immediate Visibility into Unauthorized Change.** Continuous change auditing, alerting, and notification, along with flexible, multi-level reporting inform IT of issues that impact performance, availability, security, and compliance so they can quickly take corrective measures.
- **Reduce Risks, Effort, and Costs.** Tripwire proactively analyzes and evaluates configured Microsoft IIS system settings against internal and external standards, providing visibility into and control of changes and eliminating time-consuming and error prone manual assessments and monitoring.

TRIPWIRE ENTERPRISE FOR MICROSOFT IIS TECHNICAL SPECIFICATIONS

When applied, CIS and PCI standards ensure solid IIS security and compliance. Tripwire has also developed operational best practice policies to optimize performance and availability. And when followed up with Tripwire's continuous change auditing, it's easy to maintain the configuration settings defined in these policies. Here are just a few of these policies Tripwire offers out-of-the-box:

Security and Compliance	
Authentication Method	CIS and PCI recommend using Integrated Windows Authentication to properly secure SMTP when users authenticate to the SMTP server. Tripwire checks to see if the IIS server requires authentication and that the method is Integrated Windows Authentication.
HTTP Connection Timeout	CIS and PCI recommend that the Connection Timeout setting be set at 120 seconds or less to reduce the risk of Denial of Service attacks on the web server. Tripwire tests to ensure this setting is 120 seconds or less and keeps it there through continuous change monitoring.
Use Hostname in Redirects	Tripwire tests to make sure the UseHostName property is being used to prevent the IIS Web server from revealing internal IP addresses that may be exploited by hackers. Then Tripwire's change detection capabilities ensure this setting is always maintained, so you're always within policy.
Performance & Availability	
CPU Monitoring	Tripwire tests to make sure that CPU monitoring is enabled and maintains that setting through continuous change auditing, preventing a single application pool from monopolizing server resources and decreasing performance.
HTTP Keep-Alive	Tripwire tests to ensure HTTP Keep-Alive is enabled. This setting keeps the HTTP connection open—far more efficient than closing and re-opening the connection each time a user requests content from the server.
HTTP Compression for Static Files	Compressing static files like HTML files can significantly improve performance when sites have a small amount of content that users frequently access. This setting also saves on network bandwidth consumption. Tripwire tests to ensure that HTTP Compression for Static Files is enabled and keeps that setting enabled through powerful detection capabilities that capture <i>any</i> configuration change.

TRIPWIRE EASES THE MANAGEMENT AND MAINTAINS THE OPERATIONAL READINESS OF YOUR MICROSOFT IIS WEB SERVER

When configured optimally, Microsoft IIS Web servers allow organizations to deliver customers rich, reliable online experiences. Tripwire's comprehensive configuration assessment ensures IT configuration integrity and helps administrators fine-tune servers to deliver high-performing and highly available Web sites. Once in a secure, high-performing state, Tripwire's continuous change auditing provides visibility into and control of improper change, enabling organizations to remediate detected issues and maintain that good state. Tripwire Enterprise—powerful configuration assessment and change auditing to maximize your Microsoft IIS investment.

¹Port80 Surveys the Top 1000 Corporations' Web Servers. (<http://www.port80software.com/surveys/top1000webservers/>) Port80 Software, July 2007.



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