

Simplified and Robust Tracking of Source IP's

Winfrasoft **XFF**
X-Forwarded-For

Track client source IP addresses through forward and reverse proxy chains

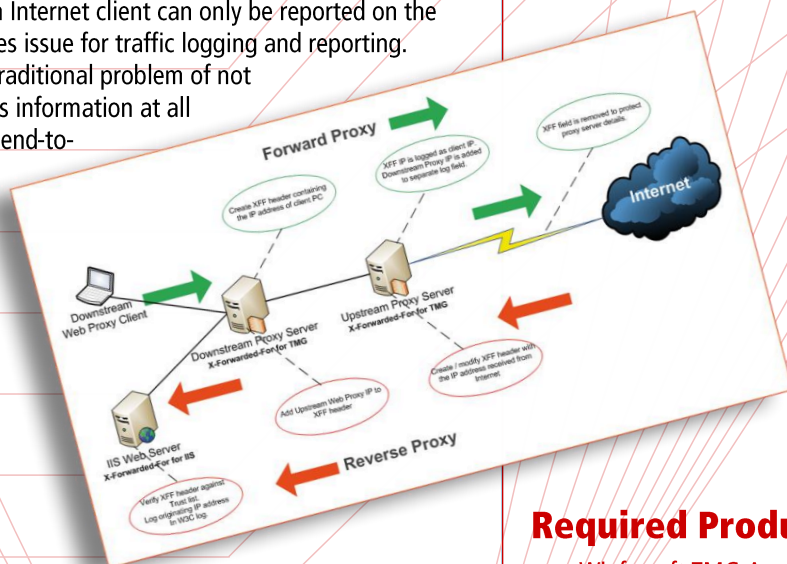
Product highlights:

- **Log** original client IP address
- **3rd party and transparent proxy server** compatible
- **Hardware load balancer** compatible
- **No layer 4 routed connection** required
- **Central MMC monitoring** (ISA & TMG only)
- **Simple** install and configuration
- **HTTP and HTTPS** web traffic supported

Typically the real source IP address of an Internet client can only be reported on the first proxy server in a chain, which creates issue for traffic logging and reporting. Winfrasoft X-Forwarded-For solves the traditional problem of not being able to report real client IP address information at all the layers in a proxy chain and provides end-to-end connectivity reporting to satisfy auditors and compliance officers.

Winfrasoft X-Forwarded-For also mitigates the threat of spoofed IP addresses on Web servers and IP leakage on outbound connections. Perfect for analysing information across branch office connections, publishing web servers and many other scenarios where multiple proxy server layers are used.

Winfrasoft X-Forwarded-For is designed for Microsoft TMG, ISA and IIS servers.



Required Products:

- Winfrasoft TMG Appliance / Microsoft Forefront TMG 2010 or
- Winfrasoft ISA Appliance / Microsoft ISA Server 2004/2006 or
- Microsoft IIS 6.0 or higher



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Winfrasoft X-Forwarded-For gives Microsoft TMG, ISA and IIS servers compatible functionality with other web servers, proxy servers and load balancers such as Squid, Apache, F5 Big-IP, Blue Coat, Cisco & Netcache.

Deployment

X-Forwarded-For is designed to ensure deployment is as simple as possible. The installation routine is based on Windows Installer MSI technology and all binaries are digitally signed for high security. X-Forwarded-For is also easily accessible via the Server Management Console Web Filters page of both TMG & ISA.

Compliance

Audit and log web traffic requests from the original source to the destination as they pass up and down a web proxy chain.

Web server and proxy log data is compatible with off the shelf web site reporting tools & software.

How it works

As client requests pass through a web proxy chain, the X-Forwarded-For HTTP header is added/modified and the TMG or ISA server includes the real client's IP address in the X-Forwarded-For HTTP header. If a X-Forwarded-For HTTP header is received by the proxy server it will use the information contained in the header to ensure the real client IP address is logged rather than the downstream web proxy server.

X-Forwarded-For is also available on Winfrasoft TMG Appliances.



Features	TMG	ISA	IIS
Forward Proxy chains	•	•	
Reverse Proxy chains	•	•	•
64 bit for high demand environments	•		•
Enterprise & Standard Editions Supported	•	•	
Supports both HTTP and HTTPS web traffic	•	•	•
Protect internal IP addresses from the Internet	•	•	
No hard-coded connection limit	•	•	
Simple install and configuration	•	•	•
Central MMC monitoring	•	•	
Command line interface for scripting	•	•	
Log original client IP address	•	•	•
Anti-Spoofing proxy trust list			•
IIS 6.0 on Windows Server 2003			•
IIS 7.x on Windows Server 2008 & R2			•
ISAPI web filter architecture	•	•	•
W3C log format compatible			•
Hardware Load-balancer compatible*	•	•	•
3 rd party & transparent proxy server compatible*	•	•	•
No layer 4 routed connection required	•	•	•

*Compatibility with 3rd party vendors may vary due to no RFC existing for any X-Forwarded-For implementation.



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