

## Real-Time Business Events for Your Business Applications



As businesses deploy more web-enabled applications, they require intelligence regarding what their online customers are doing, not only in statistics and web response times, but in real business terms in order to increase revenue and drive business objectives.

Inflight from Radware is an out-of-path, network-based pervasive monitoring appliance that captures all user transactions from 'inflight' network traffic and delivers real-time events for business applications. With real-time business events, companies can identify business activity embedded in web transactions and respond instantaneously, and at the same time enable their networks to intelligently manage resources based on user and business requirements.

Business events are critical, detailed user transactions performed over the web showing user actions performed in business terms, such as money transfers, deposits or withdrawals, login events made, or attempted items purchased or viewed, including clickstream information. This vital information is delivered in relevant business terms.

### **Deliver Value to Your Business with Inflight**

The detailed user session and transaction information from inflight (http & https) traffic attributes activity to actual users, not just IP addresses, and allows for immediate action to be taken. Enterprises can use this real-time output in conjunction with analytics engines to halt fraudulent behavior in process, up-sell a customer based on their session activity, enhance business processes, and log user activity for regulatory compliance.

Real-time event feeds are delivered with zero latency, and with no database or data warehousing required. This enables real-time event correlation, a task previously unachievable, but highly desired.

### **Use Real-time Business Events to:**

- Meet Logging, Compliance and Regulatory Requirements
- Enhance Your Security Information and Event Management Projects
- Deliver Real-time, Detailed User Insight to Your Web Analytics
- Optimize Business Processes by Understanding Detailed User Activity
- Increase Revenue by Offering Relevant Products in Real-time
- Protect Your Users from Fraud and Identity Theft
- Move Business Intelligence to Real-time
- Drive Business Optimization



## Benefits of Inflight Delivered Across the Enterprise

Feature	The Inflight Advantage	Business Benefits	IT Benefits
Fast, non-invasive deployment	<ul style="list-style-type: none"> <li>• Easy out-of-band deployment</li> <li>• Sniffer-like easy installation</li> <li>• Non-intrusive operation</li> <li>• Transparent to users and applications</li> </ul>	<ul style="list-style-type: none"> <li>• Zero impact to application performance or availability of web enabled applications</li> <li>• Low TCO with rapid ROI</li> </ul>	<ul style="list-style-type: none"> <li>• Deploys passively in less than one hour</li> <li>• Non-invasive with zero impact on production environment</li> <li>• Low maintenance</li> </ul>
High performance architecture	<ul style="list-style-type: none"> <li>• Highly scalable, network-based event capture: <ul style="list-style-type: none"> <li>– Ultra-high performance (&gt; 500 Mbps)</li> <li>– Distributed load</li> </ul> </li> <li>• N + 1 Inflight</li> </ul>	<ul style="list-style-type: none"> <li>• Failover capability: <ul style="list-style-type: none"> <li>– High availability environments</li> <li>– Business continuity</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Fault-tolerant, redundant deployment: <ul style="list-style-type: none"> <li>– Inter-appliance communication</li> <li>– Sub-second failover</li> </ul> </li> </ul>
SSL decryption	<ul style="list-style-type: none"> <li>• Real-time passive SSL decryption</li> <li>• No need for external SSL termination</li> <li>• Optional hardware SSL acceleration available for higher SSL traffic rate deployments</li> </ul>	<ul style="list-style-type: none"> <li>• Compliant with security regulations and standards</li> </ul>	<ul style="list-style-type: none"> <li>• Support for ultimate security</li> </ul>
Flexible event capture	<ul style="list-style-type: none"> <li>• Monitored protocols - HTTP, HTTPS</li> <li>• Only network-based, pervasive monitoring solution that delivers actionable, real-time business events</li> <li>• Hot deployable, customizable rules</li> <li>• Generates network, application, and business level events; feeds Radware application performance decisions</li> <li>• High-performance, deep transaction inspection</li> <li>• Real-time business events in detailed, session-level, identity-based, user &amp; business transactional data</li> <li>• Business events are created with no latency and with no database or data warehousing required</li> </ul>	<ul style="list-style-type: none"> <li>• True real-time extraction and delivery of business events</li> <li>• Actionable business events with immediate execution, enabling the enterprise to be more responsive to changing business conditions</li> <li>• Enables real-time event correlation</li> </ul>	<ul style="list-style-type: none"> <li>• Deeper visibility than logs or application integration</li> <li>• Monitoring has no dependence on production environment – offloads application &amp; server functions</li> <li>• Improve application performance by switching off logs</li> <li>• Less IT resource intensive</li> </ul>
Inflight intelligence for the whole enterprise	<ul style="list-style-type: none"> <li>• Delivered to any backend system including, but is not limited to, Fraud, Marketing, Analytics, Risk, Compliance, Business Intelligence</li> <li>• Multiple concurrent output streams feed all consumers</li> <li>• Intelligence understanding of network traffic</li> <li>• Deliver over appropriate channel to consumer: <ul style="list-style-type: none"> <li>– Streaming via TCP/IP, JMS, HTTP</li> <li>– Log file transfer via SMB</li> <li>– Direct database via SQL – JDBC</li> <li>– Web service calls</li> <li>– 3rd party proprietary format</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Replaces point solutions with a common platform for pervasive monitoring</li> <li>• Affect top-line revenue and bottom-line risk mitigation with one investment, provides a fast ROI, and builds customer trust</li> <li>• Addresses all current and future data collection requirements for online channels</li> <li>• Alternative approach to expensive EAI &amp; ETL</li> </ul>	<ul style="list-style-type: none"> <li>• No integration or coding required with the application</li> <li>• Saves time &amp; money</li> <li>• Feeds horizontal analytics engines simultaneously</li> </ul>

### Optional Deployments to Fit Your Requirements

Inflight is delivered as an out-of-path appliance that is easy to deploy in less than an hour, and requires no integration with the application. It is completely transparent to the user and the application.

For sites that handle significant volumes of Secure Socket Layer (SSL) transactions, Inflight includes options for both software and hardware-based SSL decryption. This allows greater deployment flexibility and delivers inflight intelligence where application traffic is encrypted using SSL.

Radware offers various versions and configurations of Inflight to fit the vast majority of user and system requirements and integrates with their Application Delivery offerings to create the Business-Smart Network.

### Technical Specifications

Processor	2 AMD Opteron dual-core 2.2 GHz	
Memory	6 GB	
Gigabit/GBIC Ports	4 Gigabit Ethernet Ports (Copper or Fiber)	
1000Base-SX/LX/ZX Ports	All Gigabit Fiber ports deliver SX/LX/ZX interfaces depending on GBIC	
Monitored Protocols	HTTP, HTTPS	
Publishing Interfaces	Streaming via TCP/IP, JMS Direct database via SQL HTTP	Log file transfer via NFS/SMB Alert via SNMP Web Services
1000Base-SX (850 nm) Operating Distance	62.5 micron MM fiber .2 m to 275 m	50 micron MM fiber .2 m to 550 m
1000Base-LX/ZX Operating Distance	LX: Up to 10 km (6.2 mi)	ZX: Up to 80 km (49.7 mi)
USB Port	On front panel	
LCD Screen	On front panel	
RS-232C Console	DB-9 serial connection	Female DCE interface for out-of-band management
Dimensions and Weight	1U: Width: 424 mm (17 in.) Depth: 600 mm (24 in.) Height: 44 mm (1.7 in.)	2U: Width: 424 mm (17 in.) Depth: 600 mm (24 in.) Height: 88 mm (3.4 in.) EIA rack or standalone: 482 mm (19 in.)
Weight	1U: 9.5 kg (20 lbs)	2U: 10.9 kg (23 lbs)
Environmental	Operating temperature: 0°C to 40°C (32°F to 104°F) Humidity: 5% to 95% non-condensing	
Power	Auto-range supply: AC: 100-240V 50-60Hz Frequency: 47Hz - 63Hz Heat dissipation: 511.5 BTU/h	DC: -42~-72V Power consumption: 150 W Dual power supply (AC/DC) in 2U form
Certifications	Safety: EN, UL, CSA, IEC #60950-1 EMC: EN 55022, EN 55024, FCC Part 15B Class A CE, FCC, VCCI, CB, TUV, UL/cUL, CCC, C-Tick, RoHS	

### Radware APSolute™ Product Suite

Radware, the global leader in integrated application delivery solutions, assures the complete availability, performance and security of business-critical applications for nearly 10,000 enterprises and carriers worldwide. With Radware's comprehensive APSolute suite of application delivery and network security products, companies can drive business productivity, improve profitability, and reduce IT operating and infrastructure costs by making their networks "business-smart."

### Certainty Support

Radware offers technical support for all of its products through the Certainty Support Program. Each level of the Certainty Support Program consists of four elements – phone support, software updates, hardware maintenance, and on-site support. Radware also has dedicated engineering staff that can assist customers on a professional services basis for advanced project deployments.

### Learn More

To learn more about how Radware's integrated application delivery solutions can enable you to get the most of your business and IT investments, email us at [info@radware.com](mailto:info@radware.com) or go to [www.radware.com](http://www.radware.com).