

## ComBrio Extended Message Delivery™

### ► Improves service levels

Proactive device monitoring  
Real-time message delivery  
On-demand device access  
Increased bandwidth for device service  
Highly scalable

### ► Increases security and compliance

Outbound initiated connections requiring no open inbound holes in firewall  
End-to-end audit trail for regulatory requirements  
User-defined reports based on device, time and authorization  
Utilizes 128 bit SSL and AES standard encryption  
Unidirectional transport of autonomous messages

### ► Reduces Cost

No modification required to your network  
No agents, modems or VPNs required  
Resides between existing network management tools and target devices  
Rapid "Drop-in" Deployment  
Ubiquitous connectivity

For more information visit:  
[www.combrio.com](http://www.combrio.com)

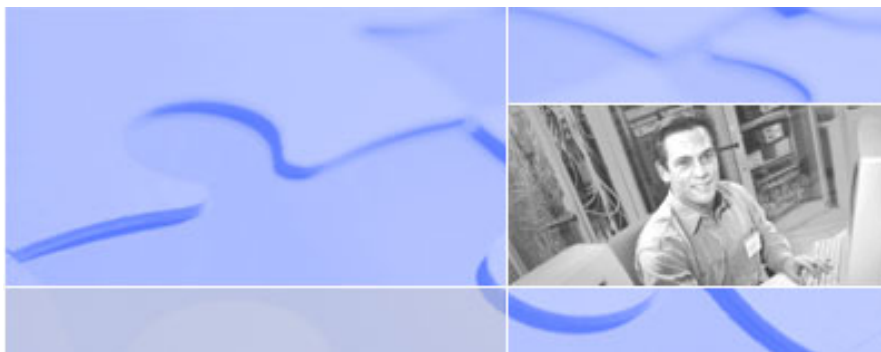
In order to assure that business objectives are achieved, continuous availability of network applications and services is critical. Minimizing downtime is essential for any network administrator.

Many network equipment vendors have incorporated enhanced management capabilities within their products designed to address hardware and application issues before they reach critical state. This functionality enables the device to generate an autonomous message related to the state of the system. These messages can include:

- *Continuous or periodic updates of the general health and status of its system resources*
- *A notification that the system has detected a condition or exceeded a threshold which could impact availability and performance*

In addition to standard SNMP traps, these autonomously generated messages and alerts can include other protocols such as e-mail notification, syslog dump, event logs, or TL1 messages.

In order for a Managed Service Provider to leverage this functionality as a means of improving their Service Level Agreements (SLAs) and offer proactive managed services, an efficient method of remote message collection at their Network Operations Center (NOC) is needed.

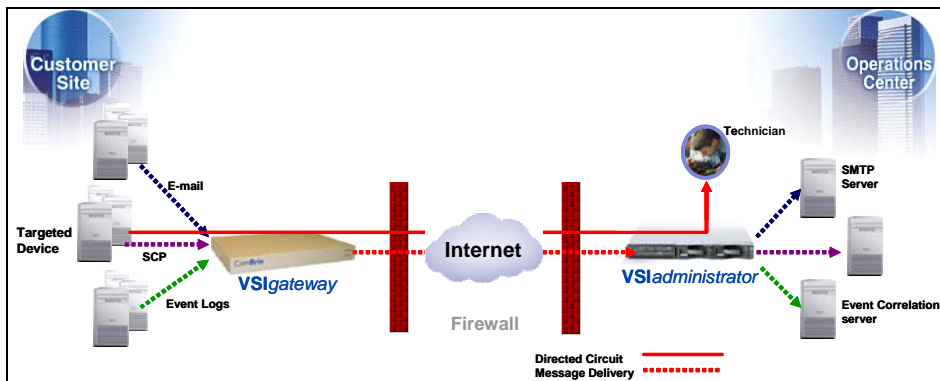


### Extended Message Delivery

ComBrio's new Extended Message Delivery module for ComBrio Virtual Service Delivery (VSD) enables Service Providers to remotely and securely collect autonomous messages and alerts from remote devices under their management, without the need for a dedicated or persistent connection such as a VPN, dial-up, or lease line.

Extended Message Delivery enhances VSD's proactive monitoring capabilities by allowing a remote VSIgateway to listen on specific protocols, ports and services for messages directed to the VSIgateway from the predefined device.

When the VSIgateway receives a message, VSD will securely relay the message in an encrypted format, in real-time, over the Internet to its associated back-end management application or collection tool located in the Service providers NOC. Multiple destinations for messages can be defined by device, allowing a Service Provider to seamlessly match them to their corresponding process, be it for notification, correlation, or reporting.



If a message received at the NOC requires an action be taken on a managed device, ComBrio's patented Directed Circuit technology will allow a technician to securely access the device for remote remediation, or further diagnostics.

The Extended Message Delivery module can be used as a standalone application for remote message receipt, or used in conjunction with VSD's standard monitoring capabilities, which provide continuous state information of all managed devices.

Extended Message Delivery enables Service Providers to take service offerings and customer satisfaction to a higher level by extend the reach of their managed devices beyond the boundaries of a closed LAN environment.



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