

## ► Improves service levels

- Proactive device monitoring
- Real-time status retrieval or remote initiated provisioning
- 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
- Single-directional initiation of status retrieval

## ► 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

## ComBrio Transparent Management Circuit™

As a provider of Remote Managed Services, efficient use of your investment in back office applications such as Network Management and Monitoring tools is crucial to meeting your Service Level Agreements, but also for controlling operational costs through centralization of applications and processes

In order to perform proactive monitoring, most industry-standard and proprietary Network Management Applications (NMA's) utilize a method of initiating a connection to managed devices for the retrieval of status or statistical data. However, when used in situations where the devices being managed are located on a remote network, the NMA requires the communication path between remote locations that is either a “nailed-up” connection, or be one that is manually established in order for the NMA to perform its “polling” process.

This requirement for a constant or manual connection to the NMA introduces additional problems for remote managed services such as:

- *Network to network security concerns of the customer*
- *Latency in status due to periods between manual connection*
- *Diminished service levels due to periodic polling cycles process*

In order for a Managed Service Provider to efficiently utilize their NMA's function to perform proactive monitoring and management, an efficient method of remote status polling and retrieval from the Services Operations Center is needed.

### Transparent Management Circuit

ComBrio's new *Transparent Management Circuit* module for ComBrio Virtual Service Delivery (VSD) enables Service Providers to remotely and securely poll and retrieve status, statistics, or alerts from remote devices without the need for a dedicated or persistent connection such as a VPN, dial-up, or lease line.

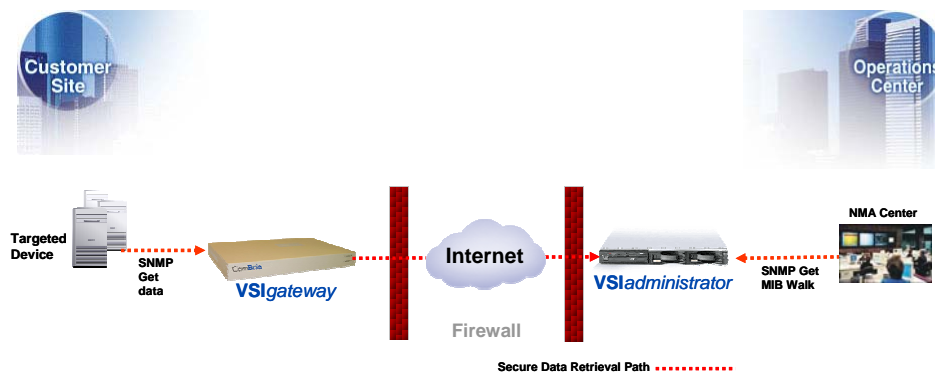
*Transparent Management Circuit* allows users to leverage their existing investment in a NMA, while also enabling them to seamlessly utilize the embedded management capabilities native to the remote devices being managed.

Along with the other remote monitoring capabilities and options found in VSD, *Transparent Management Circuit* allows users to perform proactive monitoring and management functions such as an SNMP MIB walk, (GETS, GETNEXT), SNMP SETS, along with other protocols where the request for information is initiated from the Operation Center.

Transparent Management Circuit allows an NMA to establish an instantaneous single-directional connection to specific port(s) on a remote device IP address and allow the associated response packets to flow back normally to the NMA address at the Operations Center.

Multiple Transparent Management Circuit sessions can be performed simultaneously, and can be configured to support multiple instances of NMA's.

All Transparent Management Circuit communications are transferred within secure connections, along with traceability reporting to meet audit trail requirements.



If a status retrieval indicates that an action be taken on a managed device, ComBrio's patented Directed Circuit technology allows a technician to establish direct and bi-directional access to the device for remote remediation, or further diagnostics.

Transparent Management Circuits can be used as a standalone application for remote monitoring, or used in parallel with the other VSD's standard monitoring capabilities and options.

Transparent Management Circuit enables Service Providers to take service offerings and customer satisfaction to a higher level by extending the reach of their NMA's beyond the boundaries of a closed LAN environment.



---

> For More Information:

---

ComBrio, Inc.  
1700 West Park Drive  
Westborough, MA 01581

T: 508.870.6555  
F: 508.870.6556

[info@combrio.com](mailto:info@combrio.com)

[www.combrio.com](http://www.combrio.com)