CUBRO
NETWORK VISIBILITY

EMPOWER YOUR NETWORK & SECURITY APPLIANCES

CUBRO BYPASS

SOLUTION BRIEF

Empower your network and security appliances

……with Cubro Bypass

Challenge

Network speeds are growing continuously to support enterprise activities. Enterprises have to protect their assets thus various inline tools are used such as intrusion prevention systems (IPS) and firewalls to mention a few. Often these tools are limited with the bandwidth they can handle or their resilience is not guaranteed.

Impact

Inline hardware failure or scheduled service of in-line tools leads to network downtime. Network downtime impacts the enterprise operations severely and lowers revenue, efficiency and end user satisfaction.
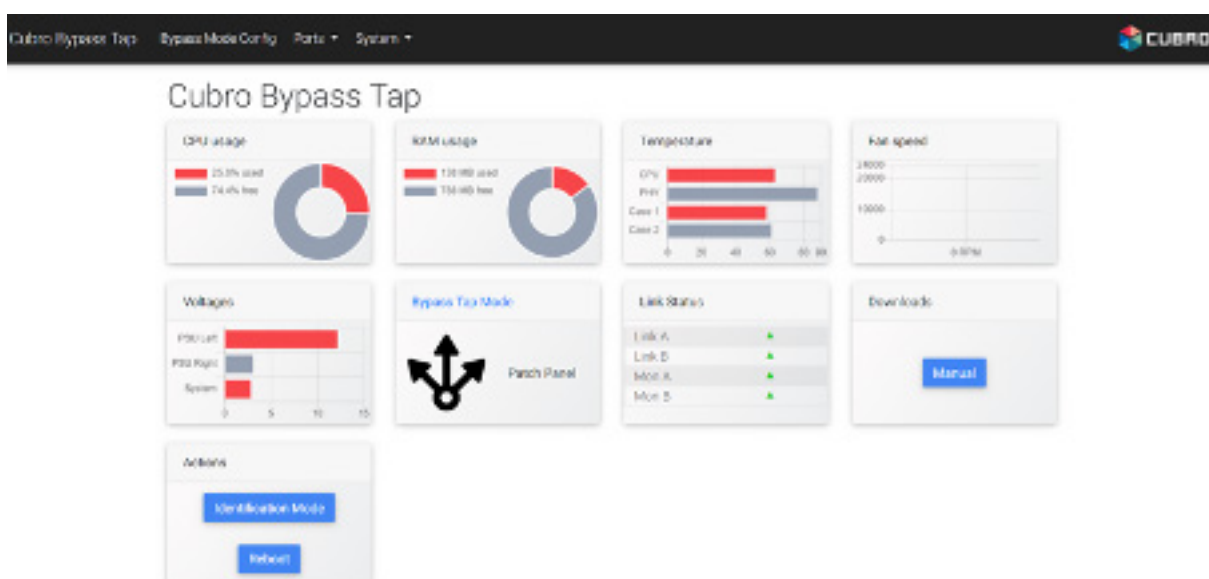
Solution

Cubro Bypass Switch is an essential tool for fail-safe, high-availability solutions that perform the task of ensuring uninterrupted service in the event of inline hardware failures. Cubro's Bypass technology utilizes heartbeat packets generated and detected by the network interfaces to identify an interruption in the link. If an interruption is detected, the Bypass Switch bypasses the attached hardware device, effectively removing the interruption from the link. The link will be automatically re-established when the bypass switch detects that the inline hardware device has been restored. This also has the benefit of allowing the attached device to be serviced with minimal downtime of the link.

The Cubro Bypass Switch provides a **fail-safe access** port for in-line active security appliances such as an Intrusion Prevention Systems (IPS), Next-Generation Firewalls (NGFW) and more. The Bypass device is deployed between the network and security appliances, providing a reliable separation point between the network and security layers. It can also load balance network traffic across multiple appliances to provide additional service resilience to an appliance failure. Use of the Bypass Switch provides comprehensive support for the network and security tools without the risk of network interruptions.

Live Link (protected by bypass switch)
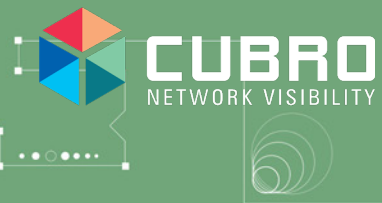
Device Link (IDS, Firewall ...)
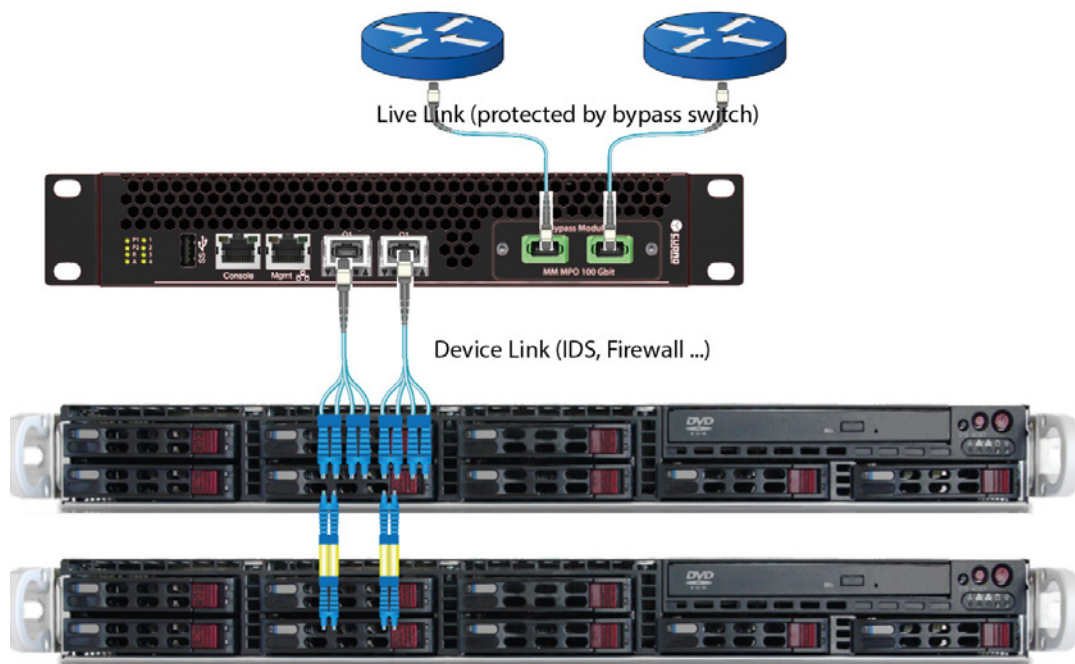
Bypass Application – Load Balancing

Bypass Switches enable multiple security tools to process traffic from a single network link. In addition to all the other advantages, the advanced Cubro Bypass has simple management via CLI and WebUI and can therefore be used by all networking professionals.

An essential tool for fail-safe, high--availability solutions providing uninterruptable service. A must-have for inline network, security, and monitoring tools when redundancy is required. The solution reduces scheduled and unscheduled outages and indirectly increases end-user satisfaction.

Value

Cubro's bypass solutions improve business continuity and IT operational agility by reducing network downtime. This increases productivity and efficiency to deliver improved end user experience and higher revenue.

Cubro Bypass Product Line

Cubro offers different bypass options to match your specific inline security devices.

Advanced Copper Bypass

Universal Optical Bypass

Advanced Optical 100/40 Gbit Bypass

Additional Resources

https://www.cubro.com/en/products/bypass/

https://www.cubro.com/en/blog/cubro-launches-advanced-100-40-gbit-bypass-solution/

For any technical queries or support, contact us at **support@cubro.com**