

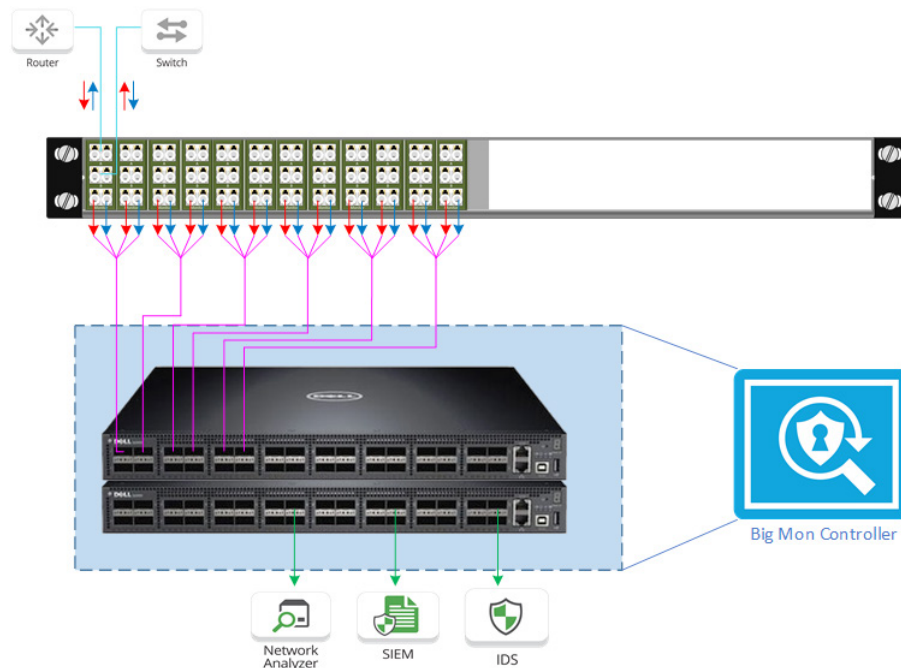
Dell EMC and Garland Technology Provide A Complete SDN Visibility Solution

Combined with Big Switch Network's Big Monitoring Fabric to Offer Simple, Scalable and Economical Monitoring for Better Security

The Importance of Visibility with SDN

Centralized control of traffic flows is critical for monitoring 10G, 25G, 40G and 100G networks. But before implementing SDN, network architects must ensure that they have a solid visibility plane that ensures 100% of packets will be seen by the SDN controller. To achieve complete transparency with application monitoring tools, network architects, now accounting for solutions and functions such as Network analyzers, Computer forensic analysis & data capture, Data leakage prevention (DLP), Intrusion detection, Content filtering, Lawful interception and Data recording, must provide a complete foundation of visibility.

Network TAPs play an important role in the design of a virtual network such as SDN.



Garland network TAPs are used to passively copy production traffic over to the Dell Whitebox Switches in the monitor network. The Dell switch's control planes are managed by Big Switch's Big Mon Controller. As tapped monitor traffic is sent to the Dell switch, the switch can send information about the network to the Big Mon Controller. The Big Mon Controller can then direct the Dell switches on how to distribute the traffic to multiple monitoring tools.

Garland Technology

Garland Technology provides a full platform of network access products including a range of Network TAPs, supporting the entire wire spectrum, including optical fiber 1G/10G/40G/100G.

Key Capabilities

- **Complete Network Visibility** – Reliable connectivity for Dell solutions, by passing all live wire data
- **Ensure No Packet Loss** for out-of-band tools
- **100%, failsafe packet capture** – all Network TAPs are tested and validated and have built-in failsafe and/or heartbeat technology.
- **Industry's first OM5** media type for extended long-range and short-range data center applications and their environments.
- **Quality standard**, all TAPs are tested with live network data and validated
- **Industry's most reliable TAP**, zero failures
- **Highest density in the Industry**, more rack space, less power connections

About Dell EMC

Dell EMC, a part of Dell Technologies, enables organizations to modernize, automate and transform their data center using industry-leading converged infrastructure, servers, storage and data protection technologies. This provides a trusted foundation for businesses to transform IT, through the creation of a hybrid cloud, and transform their business through the creation of cloud-native applications and big data solutions. Dell EMC services customers across 180 countries – including 99 percent of the Fortune 500 – with the industry's most comprehensive and innovative portfolio from edge to core to cloud. www.dell EMC.com



Garland Technology is a global preferred vendor for Dell EMC. In the United States and Canada, Synnex is the official distributor for Garland Technology products for any Dell EMC projects.

Dell EMC

By packaging Dell Open Networking switches into Open SDN Fabric Solutions, customers now have access to the advanced feature sets enabled by SDN software, with the industry-leading price points provided by Dell, all with the reassurance of Dell's global support and services. This partnership delivers modern networking fabrics for data centers looking to achieve high degrees of network automation at cloud-competitive price points.

Big Switch Networks

Big Monitoring Fabric™, is a specialized, ultra-low cost visibility fabric for your entire network - selectively delivering traffic to multiple security, monitoring, performance measurement and compliance tools—both inline and out-of-band.

With Big Monitoring Fabric scale-out architecture, simplified operations and bare metal switch economics, it is rapidly becoming an attractive replacement for NPBs, creating a few popular use cases:

- Enable Pervasive Security (monitor inline and out-of-band - global visibility with dynamic mitigation)
- Monitor Every Rack or Location (monitor every link in the network and remote DCs/POPs/sites)
- 4G / LTE Traffic Visibility (monitor tunneled control and data traffic)

Have Questions? sales@garlandtechnology.com | +1 716.242.8500 | garlandtechnology.com

Garland Technology is an industry leader delivering network products and solutions for enterprises, service providers, and government agencies worldwide. Since 2010, Garland Technology has developed the industry's most reliable test access points (TAPs), enabling data centers to address IT challenges and gain complete network visibility. For more information, or learn more about the inventor of the first bypass TAP, visit GarlandTechnology.com or [@GarlandTech](https://twitter.com/GarlandTech).

