Solution Brief
See Every Bit, Byte and Packet

THE CHALLENGE
Bringing your network into the light

Proactive monitoring and diagnosis of application and infrastructure performance requires optimal deployment visibility into all network segments with increased functionality provided by the overall network solution. The packet broker or SDN solution is only good if the physical layer collects all data streams of each circuit, providing increased performance and value to the connected tools. Without comprehensive visibility, your tools are working in the dark.

THE SOLUTION
Cost-effective and flexible modular visibility

Providing the foundation for the Riverbed platform of application and network performance monitoring, the “out of band” network has become an essential tool for collecting wireline data, aggregating, filtering, load balancing and producing just the required data stream to each tool.

Garland Technology’s TAP foundation allows organizations to reduce expenditures through flexible, cost effective TAP designs providing the access for Riverbed application / network monitoring. Garland engineers, in conjunction with Riverbed’s guidelines, create a design optimizing performance to enhance overall system results.

Use Cases and Benefits

- Establishing a plan for the TAP (Traffic Access Point) foundation – Understand the collection points throughout the network and the use of span ports.
- Traffic Access Plan includes requirements for both networking and security groups throughout organization, dual-purpose TAPs reduce cost by utilizing one TAP providing access for multiple groups.
- Create circuit migration from 1 to 10Gbps or 10 to 40Gbps with repurposing plan to minimize future equipment requirements.
- Plan development provides CAPEX and OPEX. CAPEX savings by utilizing cost effective, flexible, multi-purpose TAPs with OPEX savings installing TAPs during scheduled maintenance windows.

Garland Technology Solution Overview
Garland Technology’s Solution Briefs

Garland Technology provides organizations with the ability to see every bit, byte and packet™. Application performance and infrastructure solutions require 100% end-to-end visibility into the network. Garland Technology creates the foundation for delivering world-class solutions that improve the user experience via acceleration and performance management. Garland provides Riverbed with this visibility via Bypass TAPs, Aggregating TAPs, Regenerating TAPs and Packet Brokers, as well as Filtering & Load Balancing systems. Garland’s TAP (Traffic Access Point) solutions ensure cost-effective and comprehensive wireline data collection with ultimate flexibility, adapting to any WAN, LAN or cloud requirement.
The Visibility Layer
Garland’s Traffic Access Points (TAPs) create the foundation for Packet Broker / SDN Solutions

RIVERBED PRODUCT OVERVIEW
Riverbed Products
For a complete overview of Riverbed products: Riverbed Products

About Garland Technology
Garland Technology provides organizations with the ability to See every bit, byte, and packet™ on their networks. Our product line includes network TAPs, bypass TAPs, aggregating TAPs, regenerating TAPs and packet brokers, as well as Filtering & Load Balancing (FAB) systems. These systems are the foundation for IPS/IDS, security, network analysis, computer forensics/data capture, lawful intercept solutions and more. Visit garlandtechnology.com for additional information, and let us help your company with its network visibility needs.

About Riverbed
Riverbed, at more than $1 billion in annual revenue, is the leader in Application Performance Infrastructure, delivering the most complete platform for Location-Independent Computing. Location-Independent Computing turns location and distance into a competitive advantage by allowing IT to have the flexibility to host applications and data in the most optimal locations while ensuring applications perform as expected, data is always available when needed, and performance issues are detected and fixed before end users notice. Riverbed’s 25,000+ customers include 97% of both the Fortune 100 and the Forbes Global 100. Learn more at www.riverbed.com.