

CORIANT IS NOW PART OF INFINERA

Multi-layer Network Optimization and Migration Planning

Coriant® Professional Services for Maximum Network Efficiency and Resilience

Coriant network optimization and migration planning enable network operators to explore scenarios to optimize multi-layer (Layer 0-3) network resources while reducing the operational cost and complexity associated with service deployment and time-to-revenue. Coriant's planning approach includes the use of powerful network planning and optimization tools that can significantly improve the value of Coriant based transport networks.

Coriant's multi-layer network planning and design offering provides network operators the confidence that resources in their network are being used in the most efficient way possible. Additionally, Coriant can identify current and potential future bottlenecks ensuring network operators that new resources are planned and deployed efficiently and in a timely matter to effectively eliminate service delays and operational challenges associated with last minute scrambling for resources to support critical services.

INCREASE THE VALUE OF YOUR NETWORK

As bandwidth continues to grow at unprecedented rates and transport networks grow in capabilities, capacity, and complexity, it becomes increasingly important and increasingly difficult to ensure that all of the resources in today's transport networks are being utilized in the most efficient manner. In addition, the dynamic nature of today's traffic patterns is making it more difficult for network operators to ensure that the resources necessary to support new service demands are in place prior to the need for the service. When the most expedient solution takes precedence over the most efficient solution, the result can be service delays, additional operational effort, and a decrease in overall network efficiency. Coriant planning services change the relationship network operators have with their network – putting control back into the hands of network operators with powerful and customizable analytic and planning capabilities.

ELIMINATE SERVICE DELAYS

With the ability to analyze current traffic load on the network as well as historical and projected network growth trends at any layer – optical, circuit (SONET/SDH/OTN), and packet, Coriant planning services enable network operators to understand existing points of network congestion and where congestion points are likely to appear in the future. Using this information, new facilities can be planned and implemented before the capacity is required, thereby reducing the risk of service delays due to lack of resources.

By enabling network operators to stay ahead of bottlenecks and carefully plan deployment of new resources, Coriant eliminates the typical scramble to support critical new services that often results in the inefficient use of network resources.

GET MORE FROM YOUR NETWORK

- **Improve multi-layer network efficiency** by optimizing network design based on traffic patterns
- **Reclaim network resources** through advanced multi-layer network defragmentation capabilities and capacity analysis
- **Identify potential network capacity bottlenecks** to eliminate service delays and inefficient use of resources
- **Simplify operations** by dramatically reducing the effort required to plan new services for the short and the long term
- **Expedite business case development** (including potential space and power savings) for migration from legacy infrastructure to the latest and most suitable technology



IMPROVE NETWORK EFFICIENCY

Simplify Efficient Service Planning

Coriant can calculate the optimal path through the network between any two points in even the most complex networks. New service path determination is highly customizable and can be based on a large number of parameters including number of hops, latency, and geographic distance. Coriant can tailor our analysis to avoid certain locations or fiber spans, determine physical diverse paths to ensure protection, and identify potential paths or only paths with available resources. Network layers L0-L2.5 can be considered when determining possible paths for the new service. This capability ensures network planners that new services will be deployed on the optimal path using network resources in the most efficient manner possible.

Recapture Network Resources

Using a capability called defragmentation, Coriant can analyze all existing services in the network to determine if they are taking the optimal path through the network.

As with new service path determination, the definition of optimal path for existing services is widely configurable. Coriant can provide identification of the worst routed services or present an analysis of the entire network. In addition to identification of services that are not optimally routed, Coriant can recommend the optimal path for those services and provide detailed instructions about how to migrate those services to the better path. This capability can be used in conjunction with new service path determination to identify the optimal path for both existing services and new services and ensure each service is provisioned on an optimal path.

GET THE MOST FROM YOUR NETWORK

Coriant® Professional Services make use of an immensely powerful and flexible tool to help our design team analyze networks and conduct scenario planning efficiently. Coriant has developed a large number of macros available to our team of highly skilled and experienced engineers. The planning team can also develop customized macros to meet any specific network need and perform a complex analysis of any network.

ENABLE YOUR NETWORK TO REACH ITS POTENTIAL

As networks evolve, grow, and become more expensive and complicated, network operators are under increasing pressure to garner more value out of their networks and to ensure that all resources are being used as efficiently as possible. Additionally, the request for new and more dynamic services continues to put pressure on operations and planning organizations. Coriant® Professional Services offers much needed operational and economic relief by providing the following benefits:

- Simplifying the planning process with powerful and flexible path computation tools
- Improving network efficiency with multi-layer path computation and analysis
- Comprehensive analysis of bandwidth utilization and growth trends
- Validation and verification of network resiliency
- Recovery of valuable network resources through defragmentation

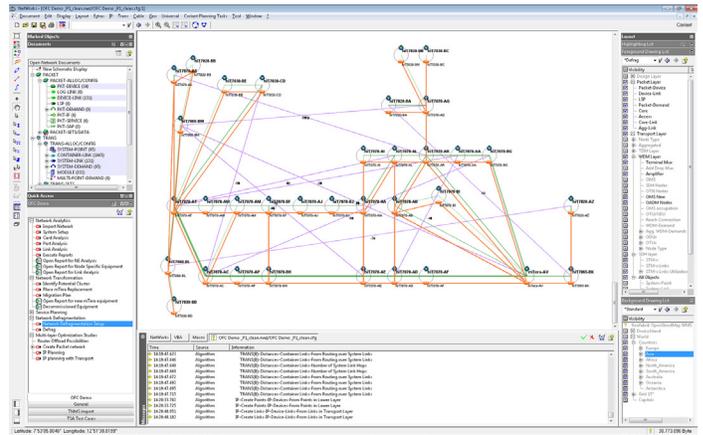


Figure 1: Coriant planning services support network operators' business and strategic decisions with efficient and expert network scenario planning based on real network data and state-of-the-art tools.

These trademarks are owned by Coriant or its affiliates: Coriant®, Coriant CloudWave™, Coriant Dynamic Optical Cloud™, Coriant Groove™, Coriant Transcend™, mTera®, Nano™, and Pico™. Other trademarks are the property of their respective owners. Statements herein may contain projections regarding future products, features, or technology and resulting commercial or technical benefits, which may or may not occur. This publication does not constitute legal obligation to deliver any material, code, or functionality. This document does not modify or supplement any product specifications or warranties. Copyright © 2018 Coriant. All Rights Reserved. 74C.0136 Rev. C 01/18