Coriant Introduces SDN Hierarchical Controller to Enhance Orchestration of Multi-Layer, Multi-Vendor Networks

Field-Proven SDN Automation, Programmability, and Control Enable Agile Foundation for Rapid Service Activation and Integrated IP-Optical Efficiencies

NAPERVILLE, Illinois, 31 May 2017 – Coriant, a global supplier of SDN-enabled end-to-end packet optical networking, IP/MPLS, and DCI solutions, today announced it has expanded the Coriant Transcend™ Software Suite with the introduction of the Transcend Hierarchical Controller designed for enhanced orchestration of multi-layer, multi-domain, and multi-vendor transport networks. The Coriant Transcend™ Hierarchical Controller leverages SDN automation and programmability to accelerate service activation, optimize Layer 0-3 resource allocation and resiliency, and improve multi-vendor interoperability and end-to-end control in open, disaggregated network environments.

“As more and more IP and optical elements become virtualized and distributed, network operators need a more efficient and flexible way to manage and orchestrate a diverse ecosystem of service-dependent transport resources,” said Uwe Fischer, Executive Vice President, R&D and PLM, and Chief Technology Officer, Coriant. “Our new SDN Hierarchical Controller significantly enhances efficiencies in integrated IP-Optical networks with advanced automation and programmability. These field-proven capabilities represent key enablers of Coriant’s visionary Hyperscale Carrier Architecture, which provides operators a pragmatic means to transform multi-layer infrastructure for a new generation of end-user services, including 5G, IoT, and virtual reality.”

As a leading global provider of multi-layer transport solutions, Coriant continues to enhance its portfolio with advances in IP/MPLS and packet optical integration, and the Coriant Transcend™ SDN Hierarchical Controller is a central element of an integrated control structure. The SDN Hierarchical Controller gathers inputs from optical, packet optical, or IP/MPLS SDN domain controllers and builds a stateful topological view utilizing a multi-layer data model. A multi-layer control structure enables a broad range of network configuration, visualization, and reporting functions for advanced multi-layer and multi-domain networks. Since the solution supports open interfaces to domain controllers, both Coriant and third-party networks can be integrated into a single network control environment.

Key features and benefits of the Coriant Transcend™ SDN Hierarchical Controller include:

- **Orchestration of multi-layer transport resources** to bring SDN-enabled efficiencies, optimization, and control to Layer 0-3 access, aggregation, and core networks
- **Open standard interfaces** for flexible integration into diverse workflow orchestration and OSS environments, including multi-vendor integration through open southbound RESTful interfaces to third-party controllers
• **Context Optimized Routing Engine (CORE)** that provides path computation for multi-layer performance-aware services

• **Shared Risk Link Group (SRLG) awareness** of transport services that supports optimized resource assignment and multi-layer service status aware routing

**Coriant at Next Generation Optical Networking 2017**

Coriant will showcase its industry-leading portfolio of SDN-enabled, end-to-end packet optical transport solutions and **Hyperscale Carrier Architecture** at the **Next Generation Optical Networking (NGON) conference**, which takes place from June 20-22 in Nice, France. Solution highlights at the Coriant Exhibit Stand (C11) will include the **Coriant Groove™ G30 Network Disaggregation Platform**, **Coriant Aware™ Technology**, **Coriant CloudWave™ Optics**, and the **Coriant Transcend™ Software Suite**, including the newly available Coriant Transcend™ SDN Hierarchical Controller.

**About Coriant**

Coriant delivers innovative and dynamic networking solutions for a fast-changing and cloud-centric business world. The Coriant portfolio of SDN-enabled, edge-to-core packet optical networking and DCI solutions enables network operators to cost-efficiently scale network capacity, reduce operational complexity, and create the resilient foundation for a new generation of mobile, video, and cloud services. Coriant serves leading network operators around the world, including mobile and fixed line service providers, cloud and data center operators, Web 2.0 content providers, cable MSOs, government agencies, and large enterprises. With a distinguished heritage of technology innovation and service excellence, Coriant is helping its global customers maximize the value of their network infrastructure as demand for bandwidth explodes and the communications needs of businesses and consumers continue to evolve. Learn more at [www.coriant.com](http://www.coriant.com) and follow us on Twitter for the latest @Coriant news and information.

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