Digital Marketplaces Using Novel Infrastructures

Rodney G. Wilson
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Ciena portfolio

Converged packet optical

Monetize and optimize bandwidth with scale, agility, flexibility and openness. Award-winning WaveLogic Photonics and packet/OTN switching accelerate service delivery.

Packet networking

Best-in-class packet-based products offer edge to core service delivery and aggregation with a common Service-Aware Operating System (SAOS) to differentiate and decrease time to revenue.

Automation software & services

Automate services and deliver a relevant and valuable user experience—from service creation to orchestration and delivery across both physical and virtual domains.

Network mgmt. & planning

A customizable dashboard, service template, and proactive fault isolation make network management easy. Both the NOC and end-customer can visualize service performance data along with analytics and planning tools to ensure SLAs are properly met.

CIENA SPECIALIST SERVICES

An extensive team of specialists, flexible resources, and customized analyses to maximize your network investment.
About Ciena

We’re a network strategy and technology company

We focus on inspiring and enabling rewarding experiences that lead to exceptional outcomes.

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<th>1,300+ customers across North America, CALA, EMEA and APAC</th>
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<td>80% of the world’s largest service providers being served</td>
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<td>5,700+ employees in 80+ countries</td>
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ENCQOR

Canadian 5G Novel Infrastructure Innovation Project
5G Broadband Networks Testbed

Target SP/Operators

50-50 Public Private Partnership
Synergy & Collaboration
Digital Ecosystem:
- 1,000 SMEs
- 18* Institutions
- 800 Students
- 10’s Organizations (NPO)
- National & Int’l links (Eureka, FIWare, GENI)
5G: FROM DEVICE TO DATA CENTER

By 2020, 50 billion smart devices are expected to be in use.* 5G will help support the massive growth in the Internet of Things and enable devices to communicate with each other seamlessly through the convergence of mobile communications and computing. 5G networks will also diffuse intelligence across the entire network, from the device to the data center.

Using fast wireless connection to cloud computing and data services, and to other connected devices, 5G will enable a variety of new capabilities, user experiences and devices such as self-driving cars with built-in intelligent traffic routing, improved city infrastructures, intelligent machines and sensors, augmented reality and more.

5G’s combination of high-speed wireless communications and efficient cloud computing means that even the tiniest devices can access virtually unlimited computing power.

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* Cisco Global Cloud Index Forecast and Methodology, 2013–2018 (white paper).
Discussion