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Issue #11

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TechTopics

WITH  **DSI ENGINEERS**
DISYS Solutions Inc.

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Upcoming Events



 **DSI**
DISYS Solutions Inc.

Live Webinar:
Agile Surveillance & Security Solutions

[Tuesday, Dec. 8 at 11:00AM (EST)]

 **Digital Barriers**

[CLICK HERE TO REGISTER](#)

Powerful new technologies have helped drive efficiency in every way, enabling faster response times and more effective management of operations as they unfold. Discover how Digital Barriers' world-class live streaming capability, combined with edge-intelligent analytics, is leading the way for live surveillance by supporting customers with valuable insight, actionable intelligence, and real-time situational awareness. **Join Digital Barriers and DSI as we explore ground-breaking solutions designed for Safe Cities, Mobile Surveillance, and COVID Compliance & Safety.**

[Count me in!](#)



Enjoy [two full days](#) of conversations with thought leaders, luminaries, celebrity appearances, technology partners, and Cisco executives, plus over 60 technical sessions — all at no cost. You'll be the first to see Cisco's vision for the future of work, as they unveil new Webex innovations that work together seamlessly whether you are in the office, at home, or somewhere in between. See you there!

[Register for WebexOne](#)

What is 5G?



5G is the fifth generation of cellular technology. It is designed to increase speed, reduce latency, and improve flexibility of wireless services.

How does 5G technology work?

It will introduce advances throughout network architecture. 5G New Radio, the global standard for a more capable 5G wireless air interface, will cover spectrums not used in 4G. New antennas will incorporate technology known as massive MIMO (multiple input, multiple output), which enables multiple transmitters and receivers to transfer more data at the same time.

Click the button below to learn more about when 5G will be available, how it will expand, the real-world impact, and Cisco's contribution.

[Learn more about 5G](#)

Cloud & Data Center Automation Platform

The [Cisco Nexus Dashboard](#) brings together real-time insights and automation services to operate multi-cloud data center networks spanning on-premise, virtual edge, and cloud sites. It provides a unified view into proactive operations with continuous assurance and actionable insights across data center fabrics for seamless management. The Nexus Dashboard incorporates Nexus Insights, Network Assurance, and Multi-Site Orchestrator, as well as seamless access to network controllers and third-party tools and cloud-based services.



Bridging the Gap from NetOps to DevOps

Looking ahead, the [Cisco Nexus Dashboard](#) becomes a collaborative focal point where operations-critical third-party services and tools can be consumed via a single-pane of glass interface. IT can custom build automation workflows employing Cisco and third-party services to support their IT transformation processes.

For example, through the Nexus Dashboard:

- NetOps teams can integrate directly with ServiceNow to generate tickets for centralized incident management.
- DevOps teams can map application, network, and compute context by linking Nexus Insights with Cisco AppDynamics and Cisco Intersight, providing rich contextual information that enables DevOps to monitor

application performance, identify network bottlenecks affecting applications, and fine-tune workloads accordingly.

- DevOps can leverage an Infrastructure as Code approach to link Ansible or Terraform services with the MSO API.

Bridging the gap from NetOps to DevOps

Category	What:	How:
DevOps	Deploy network and L4-7 services for multi-tier app	Terraform, Ansible, MSO, APIC
NetOps	Extend VXLAN network to new server racks	Ansible, DCM, Nexus Insights

[Learn more about Nexus](#)

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