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TechTopics

WITH ◼DSI ENGINEERS
DISYS Solutions Inc.

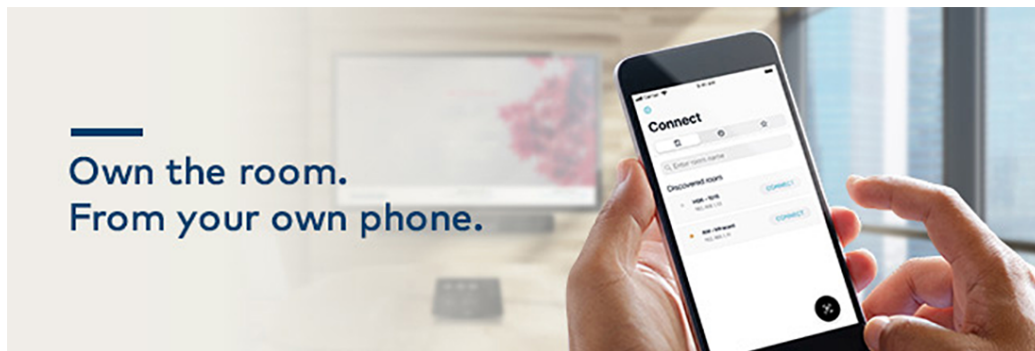**Issue #07**   **July 30, 2020**

This newsletter is brought to you by the DSI Engineering Team and focuses on technical topics. The goal is to share information about important updates, new partner products & solutions, and current industry news. We hope you enjoy the newsletter and feel free to send feedback anytime!

In This Issue:

Contactless Collaboration • Cisco HyperFlex Systems

Contactless Collaboration

Crestron Mobile Room Control

An app that makes your existing smart rooms that much smarter. Very soon, you will be able to control the meeting room from your own mobile device. No re-programming required. The new mobile app is easy to install, and even easier to use. It instantly and seamlessly identifies the room you're in and works with all existing Crestron systems in the office, at home, or on campus.

Check it out!

Crestron AirMedia

Touchless rooms make it easier and safer to return to work. Imagine rooms that automatically sense you've entered and spring to life. They make it possible for you to control everything from your own personal device. Newly enhanced AirMedia, paired with Crestron's exclusive Power over Ethernet occupancy sensor, delivers just that. It's the most intelligent solution for the evolved office – hands down.
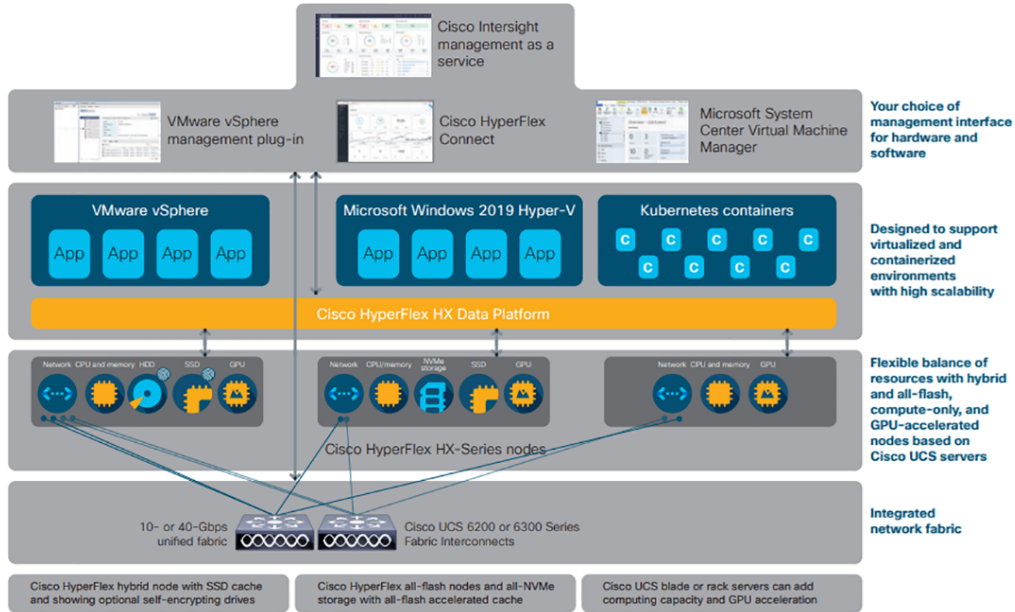
Learn More

Cisco HyperFlex Systems

Any Application, Anywhere

You need infrastructure that can follow your data and increase the speed of business regardless of where it takes place: from your core data center (enterprise applications, big data, and deep learning) to private and public clouds (virtualized and containerized applications) and edge locations (remote offices, branch offices, retail, and industrial sites). Cisco HyperFlex systems with Intel Xeon Scalable processors deliver hyperconvergence with power and simplicity for any application, on any cloud, anywhere.

Engineered on the Cisco Unified Computing System (Cisco UCS), Cisco HyperFlex systems deliver the agility, scalability, and pay-as-you-grow economics of the cloud with the benefits of multisite, distributed computing at global scale. The platform supports multiple hypervisors and virtualized environments (Microsoft Windows Server 2019 Hyper-V, VMware vSphere), Docker containers with Kubernetes, multi-cloud services, and edge deployments to efficiently and economically deploy, monitor, and manage applications.

Complete Solution

Designed with an end-to-end software-defined infrastructure, the platform eliminates the compromises found in other hyperconverged products. It combines software-defined computing using Cisco UCS servers, software-defined storage using the Cisco HyperFlex HX Data Platform, and software-defined networking (SDN) using Cisco Unified Fabric, which integrates smoothly with the Cisco Application Centric Infrastructure (Cisco ACI). With hybrid, all-flash, and all-NVMe configurations, self-encrypting drive options, and a new acceleration engine, the systems deliver a pre-integrated cluster that is up and running in an hour or less and that scales resources independently to closely match your application resource needs.

What's New?

Platform version 4.0 implements Cisco HyperFlex Anywhere capabilities:

- **Flexibility and scalability at the edge.** 2-, 3-, and 4-node edge configurations support a wider set of use cases. Template-based lights-out deployment, configuration, management, and monitoring speeds deployment at scale, anywhere.

- **Cisco Intersight invisible cloud witness.** Automatic, cloud-based witness for 2-node clusters eliminates the complexity of configuring and maintaining a witness node for each edge site.

- **Inferencing at the edge.** You can perform deep learning on GPU-only nodes in the data center and drive inferencing with up to two NVIDIA Tesla T4 and P6 GPUs in edge nodes and up to six NVIDIA Tesla GPUs in Cisco HyperFlex HX240c nodes.

- **All-NVMe nodes.** These deliver the highest performance for mission-critical data center workloads. We provide an architectural performance edge with NVMe drives connected directly to the CPU rather than through a latencyinducing PCIe switch. Intel Optane SSDs also connect to the PCIe bus to accelerate caching for even greater performance than NVMe drives alone.

More About Cisco HyperFlex