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WHITEPAPER

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Cisco and CERN Collaborate to Accelerate Innovation in Next Generation Computing

BY **MARKETWIRED**.

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GENEVA,
SWITZERLAND --
(Marketwired) --
06/09/15 -- Cisco
(NASDAQ: CSCO)



- CERN, the European Organization for Nuclear Research, expects a significant increase in data processing rates over the next decade, produced by the experiments on the Large Hadron Collider (LHC).
- With the advance of digitization, many organizations will face big data challenges similar to the ones CERN is facing today.

Today, Cisco announced it is joining CERN openlab, CERN's platform for science and industry partnerships.

As part of the CERN openlab initiative, CERN and Cisco are both assigning a team of experts with the aim to develop cutting-edge, highly secure computing infrastructure technologies, capable to deal with large and ever increasing amounts of data. Their mandate is to develop ground-breaking ideas and new approaches for next-generation computing systems. They will investigate novel concepts that build on the latest evolution of hardware, heterogeneous system

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@ThingsExpo Sponsorship Opportunities

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DevOps Interview: Matt Stratton

By VictorOps Blog
Jun. 14, 2015

Containers & Microservices Expo

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Performance Testers: Prepare for the IoT

By Tim Hinds
Jun. 14, 2015

Know Who's on Your

designs and increasing functionality of the network interface hardware.

CERN openlab provides a framework to develop and prototype state-of-the-art technologies in CERN's highly sophisticated research environment. It also offers an opportunity to train the next generation of engineers and work with a global talent pool, thanks to CERN's collaboration with the world's top universities.

CERN operates the world's largest scientific facility where physicists and engineers are probing the fundamental structure of the universe. The Large Hadron Collider (LHC) research program involves collecting and analyzing data from millions of sensors. Today, these sensors can produce data at a rate of up to a petabyte (equivalent to around 20,000 Blu-ray discs) per second. Over the next decade, CERN expects these rates to grow significantly, which will require not only very large computing and storage facilities, but also novel approaches in many IT related domains.

Supporting quotes

CIO, CTO & Developer Resources

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- OpenShift Enterprise Data Sheet
- UBM tech: State Private PaaS
- Top 3 Reasons to Give Insiders a Unified Identity

Alberto Di Meglio, head of CERN openlab, CERN

"The success of the LHC depends critically on advances in information processing technologies and components. Advanced technologies are needed to operate scientific instruments, such as the accelerator and the detectors, safely and efficiently in an open environment. We need technologies that are at the forefront of today's practices and in many cases several years ahead of general industry usage. Therefore, we are partnering with industry leading companies and are pleased to welcome Cisco into CERN openlab."

Maciej Kranz, vice president, Corporate Technology Group, Cisco

"Managing and analyzing large amounts of data are challenges many organizations are facing, including CERN. As the public and private sector evolve to a digital platform, open innovation and collaboration across industry leaders, research institutes, universities and start-ups will be vital to the success of the global economy. We are excited about our involvement with CERN openlab and the endless possibilities for innovation from inventive people and technologies."

Supporting resources:

- CERN openlab website: www.cern.ch/openlab

RSS Feed for Cisco: <http://newsroom.cisco.com/rss-feeds>

Network & What They Do

By Jacob Thankachen
Jun. 14, 2015

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IoT Will Generate Terabytes of Data

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About Cisco

Cisco (NASDAQ: CSCO) is the worldwide leader in IT that helps companies seize the opportunities of tomorrow by proving that amazing things can happen when you connect the previously unconnected. For ongoing news, please go to <http://thenetwork.cisco.com>.

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Power Panels

Lunch Power Panel at 15th Cloud Expo | Choosing the Right Cloud Option

CEO Power Panel at 15th Cloud Expo | The Big Picture of Cloud, Big Data, and the IoT

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Latest Stories

@ThingsExpo Sponsorship Opportunities

By Liz McMillan



With major technology companies and startups seriously embracing IoT strategies, now is the perfect time to attend @ThingsExpo in Silicon Valley. Learn what is going on, contribute to the discussions, and ensure that your enterprise is as "IoT-Ready" as it can be! Internet of @ThingsExpo, taking place Nov 3-5, 2015, at the Santa Clara Convention Center in Santa Clara, CA, is co-located with 17th Cloud Expo and will feature technical sessions from a rock star conference faculty and the leading in...

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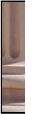
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Containers & Microservices Expo Launched

By Carmen Gonzalez



SYS-CON Events announced today that the "Second Containers & Microservices Conference" will take place November 3-5, 2015, at the Santa Clara Convention Center, Santa Clara, CA, and the "Third Containers & Microservices Conference" will take



place June 7-9, 2016, at Javits Center in New York City. Containers and microservices have become topics of intense interest throughout the cloud developer and enterprise IT communities.

Jun. 15, 2015 02:30 AM EDT Reads: 1,305

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Cloud Expo Sponsorship Opportunities Announced

By Carmen Gonzalez



17th Cloud Expo, taking place Nov 3-5, 2015, at the Santa Clara Convention Center in Santa Clara, CA, will feature technical sessions from a rock star conference faculty and the leading industry players in the world. Cloud computing is now being embraced by a majority of enterprises of all sizes. Yesterday's debate about public vs. private has transformed into the reality of hybrid cloud: a recent survey shows that 74% of enterprises have a hybrid cloud strategy. Meanwhile, 94% of enterprises a...

Jun. 15, 2015 02:15 AM EDT Reads: 3,028

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Containers & Microservices Expo

By Carmen Gonzalez



SYS-CON Events announced today that the "First Containers & Microservices Conference" will take place June 9-11, 2015, at the Javits Center in New York City. The "Second Containers & Microservices Conference" will take place November 3-5, 2015, at Santa Clara Convention Center, Santa Clara, CA. Containers and microservices have become topics of intense interest throughout the cloud developer and enterprise IT communities.

Jun. 14, 2015 01:45 PM EDT Reads: 2,908

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AppDynamics Monitoring Excels for Microservices

By AppDynamics Blog



It's no news that microservices are one of the top trends, if not the top trend, in application architectures today. Take large monolithic applications which are brittle and difficult to change and break them into smaller manageable pieces to provide

flexibility in deployment models, facilitating agile release and development to meet today's rapidly shifting digital businesses. Unfortunately, with this change, application and infrastructure management is more complex due to size and technology c...

Jun. 12, 2015 08:00 PM EDT Reads: 1,650

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SingleHop to Present at Cloud Expo 2015 NY

By Elizabeth White



SingleHop will speak at Cloud Expo 2015 in New York on Thursday, June 11. His presentation, "Why Public Clouds Are A Step Backwards in Efficiency," will include an examination of the virtualization efficiencies that have been forgotten, and

include tips to avoid common mistakes that as many as 90% of companies that utilize public clouds are making. Recent estimates from Gartner predict that global IaaS spending will reach approximately \$16.5 billion in 2015, growing by a projected 29.1 percent ...

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Midokura to Present at DevOps Summit

By Pat Romanski

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View Dr. Kristof Kloeckner Keynote: Cloud Needs DevOps

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Microsoft Azure for Enterprise: What and Why

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Midokura has announced that Adam Johnson, vice president of business, will present at the fourth annual DevOps Summit at Cloud Expo, taking place June 9-11, 2015, in New York. In his session, "Dockerize Networking: Solving the Docker Networking Dilemma," Adam will discuss how emerging open source technologies, such as Midokura's open source version of its MidoNet technology, can be used to address common Docker networking challenges. The fourth annual DevOps Summit will provide three days of i...

Jun. 11, 2015 08:00 AM EDT Reads: 1,360

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Virtustream: A Blue Collar Unicorn

By Elizabeth White



In his keynote at 16th Cloud Expo, Rodney Rogers, CEO of Virtustream, discusses the evolution of the company from inception to its recent acquisition by EMC – including personal insights, lessons learned (and some WTF moments) along the way. Learn how Virtustream's unique approach of combining the economics and elasticity of the consumer cloud model with proper performance, application automation and security into a platform became a breakout success with enterprise customers and a natural fit f...

Jun. 11, 2015 08:00 AM EDT Reads: 1,604

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Big Data Expo Silicon Valley Call for Papers

By Liz McMillan



There is little doubt that Big Data solutions will have an increasing role in the Enterprise IT mainstream over time. 8th International Big Data Expo, co-located with 17th International Cloud Expo - to be held November 3-5, 2015, at the Santa Clara Convention Center in Santa Clara, CA - has announced its Call for Papers is open. As advanced data storage, access and analytics technologies aimed at handling high-volume and/or fast moving data all move center stage, aided by the cloud computing bo...

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DevOps Summit Silicon Valley Call for Papers

By Pat Romanski



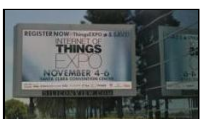
The 5th International DevOps Summit, co-located with 17th International Cloud Expo – being held November 3-5, 2015, at the Santa Clara Convention Center in Santa Clara, CA – announces that its Call for Papers is open. Born out of proven success in agile development, cloud computing, and process automation, DevOps is a macro trend you cannot afford to miss. From showcase success stories from early adopters and web-scale businesses, DevOps is expanding to organizations of all sizes, including the...

Jun. 10, 2015 08:45 PM EDT Reads: 4,810

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@ThingsExpo Silicon Valley Call for Papers

By Elizabeth White



The 4th International Internet of @ThingsExpo, co-located with the 17th International Cloud Expo - to be held November 3-5, 2015, at the Santa Clara Convention Center in Santa Clara, CA - announces that its Call for Papers is open. The Internet of

Things (IoT) is the biggest idea since the creation of the Worldwide Web more than 20 years ago.

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Day 2 Lunch Keynote | Application Delivery in the Cloud: Debunking Myths and Showcasing the Realities

HGST

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Microsoft

Day 4 Keynote | Clouds, Devices, and Demos! What Developers Need.

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Best Practices from SHI's CIO Key Customers

SafeLogic CEO at Cloud Expo New York

By Liz McMillan



SafeLogic is proud to promote CEO Ray Potter's speaking engagement on the agenda of Cloud Expo New York City. Cloud Expo will be hosted at the Javits Center in Manhattan, New York, on June 9 – 11, 2015, alongside SYS-CON Media's Big Data Expo, Internet of Things Expo, SDDC (Software-Defined Datacenter) Expo, DevOps Summit, and WebRTC Summit, to form one massive event focused on today's hottest technologies. The need for reliable and secure data storage and processing is a common thread across e...

Jun. 10, 2015 11:00 AM EDT Reads: 1,506

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Cloud Expo Silicon Valley 'Call for Papers'

By Elizabeth White



The 17th International Cloud Expo has announced that its Call for Papers is open. 17th International Cloud Expo, to be held November 3-5, 2015, at the Santa Clara Convention Center in Santa Clara, CA, brings together Cloud Computing, APM, APIs, Microservices, Security, Big Data, Internet of Things, DevOps and WebRTC to one location. With cloud computing driving a higher percentage of enterprise IT budgets every year, it becomes increasingly important to plant your flag in this fast-expanding bu...

Jun. 10, 2015 02:30 AM EDT Reads: 5,019

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Storage Options for Docker Containers

By Liz McMillan



Learn how to solve the problem of keeping files in sync between multiple Docker containers. In his session at 16th Cloud Expo, Aaron Brongersma, Senior Infrastructure Engineer at Modulus, will discuss using rsync, GlusterFS, EBS and Bit Torrent Sync. He'll break down the tools that are needed to help create a seamless user experience. In the end, can we have an environment where we can easily move Docker containers, servers, and volumes without impacting our applications? He will share his r...

Jun. 9, 2015 09:15 PM EDT Reads: 2,135

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MediaTek Labs to Exhibit at @ThingsExpo New York

By Elizabeth White



SYS-CON Events announced today that MediaTek Labs will exhibit at SYS-CON's @ThingsExpo, which will take place on June 9-11, 2015, at the Javits Center in New York City, NY.

MediaTek Labs is a global ecosystem initiative supporting Wearables and Internet of Things device creation, application development, and services based around MediaTek chipset offerings. Developers can use the MediaTek LinkIt™ ONE development platform and the LinkIt ONE HDK to easily access the features and functions of the...

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**Javits to Host
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**John Willis Joins
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CEO Power Panel on SYS-CON.tv | @CloudExpo
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Introducing 'Internet of Things' Bootcamp at @ThingsExpo New York
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All the World's a Cloud All of Cloud Is at Cloud Expo!

Cloud Computing - Big Data | Analytics - Internet of Things
 Containers - Microservices - WebRTC - DevOps

Join Us at the Javits Center in New York City, June 9-11

Cloud computing software is eating the world, and each day is bringing new developments in this

Yesterday's debate about public vs. private has transformed into the reality of hybrid cloud: a recent shows that 74% of enterprises have a hybrid cloud strategy.

Meanwhile, 94% of enterprises are using some form of XaaS – software, platform, and Infrastructure Service.

Big Data | Analytics and the emerging Internet of Things (IoT) are driving exponentially increase on datacenters and developers alike, as we cross the zettabyte horizon this year.

Containers and microservices are now part of every PaaS conversation, and IaaS providers are in competing for platform customers.

WebRTC continues to reform web communications, and DevOps is pushing its way into an enterprise world that is increasingly agile, lean, and continuous.

Through all this, Cloud Expo remains *the single independent event* where delegates and technology can meet to experience and discuss the *entire world* of the cloud.

Only Cloud Expo brings together all this in a single location:

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Cloud computing budgets worldwide are reaching into the hundreds of billions of dollars, and no company can survive long without some sort of cloud migration strategy. Each month brings new announcements

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cases, and success stories.

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