

Upcoming Event:

Cloud without Chaos

Come join us for this exclusive event to learn how Cloud Foundation on VxRail, delivers the simplest path to hybrid cloud with consistent operations and infrastructure.

Event Topics:

- **Unique Integration with VMware Cloud Foundation**

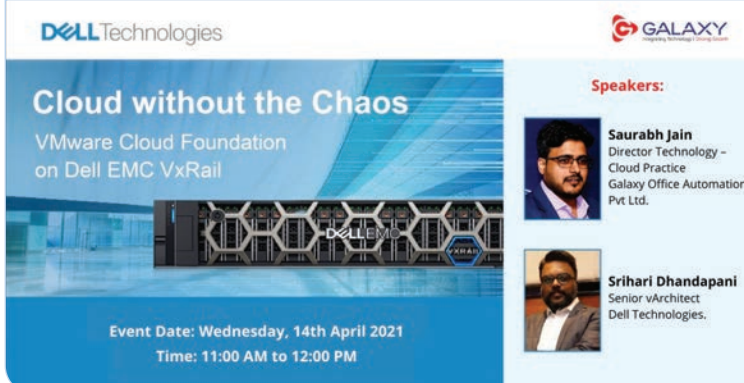
VxRail HCI system software includes unique integration between SDDC Manager and VxRail Manager that combines operational transparency with automation, support, and serviceability capabilities not found when deploying VMware Cloud Foundation on any other infrastructure.


- **Ready, Set, Develop:**

The hyperconverged infrastructure platform for any app, anywhere VMware Cloud Foundation on Dell EMC VxRail enables organizations to run traditional workloads alongside cloud native container-based applications, eliminating dev-ops silos and sprawl. VMware PKS on Cloud Foundation on VxRail is the optimal choice for customers looking for a transformational multi-cloud solution to develop, deploy, and host traditional and cloud-native apps on the same hyperconverged platform.

- **Choice of infrastructure deployment options**

With VMware Cloud Foundation on VxRail, enterprises now have the choice of flexible infrastructure deployment and networking options by getting VxRail delivered as an integrated rack system with integrated networking or a cluster of appliances that leverages the customer's choice of network infrastructure.





Dell Technologies 

Cloud without the Chaos

VMware Cloud Foundation on Dell EMC VxRail

Speakers:

-  **Saurabh Jain**
Director Technology - Cloud Practice
Galaxy Office Automation Pvt Ltd.
-  **Srihari Dhandapani**
Senior vArchitect
Dell Technologies.

Event Date: Wednesday, 14th April 2021
Time: 11:00 AM to 12:00 PM

[Register Now](#)



Anoop Pai Dhungat
Chairman & MD

MD SPEAKS

The second wave of COVID-19 has hit hard. As a few places in India go into yet another lockdown, we have only ourselves to blame. Lockdown fatigue coupled with a false sense of bravado made a lot of us believe that we are safe and can do away with basic precautions. This despite the second wave hitting other countries harder than the first. I can only hope and pray that this gets over soon and better sense prevails in everyone to take the basic precautions to avoid spread.

We at Galaxy can ensure that the lockdown does not impact your operations. We offer productivity tools to ensure that there is no slacking or loss of efficiency by moving workloads to remote workers. We can offer you a wide range of Work From Anywhere Tools that can keep your business running efficiently even during lockdowns. These tools cover remote desktops, remote workstations, GPU virtualization solutions, employee productivity solutions, desk booking solutions, endpoint backups as a service, endpoint devices, remote working kits and a lot more. We also offer security solutions to ensure that your data is being accessed by the correct sets of people even though they are working remotely. Our cloud migration services can be availed to keep your servers running 24/7 even during lockdowns.

Please reach out us to see how we can help you in these difficult times.

Happy reading





Future Is Now

Kirigami-style fabrication may enable new 3D nanostructures.

A new technique that mimics the ancient Japanese art of kirigami may offer an easier way to fabricate complex 3D nanostructures for use in electronics, manufacturing, and health care.

Kirigami enhances the Japanese artform of origami, which involves folding paper to create 3D structural designs, by strategically incorporating cuts to the paper prior to folding. The method enables artists to create sophisticated three-dimensional structures more easily.

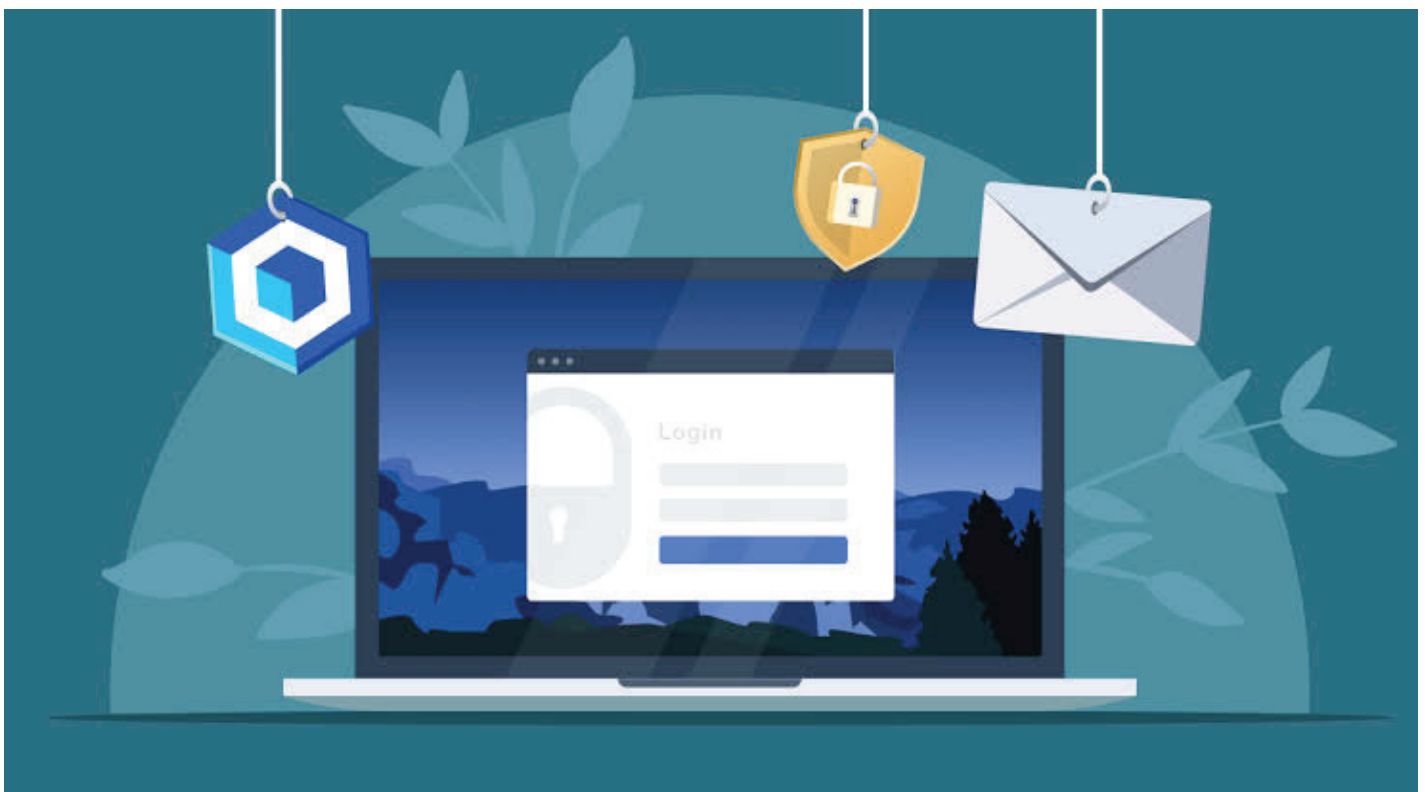
"We used kirigami at the nanoscale to create complex 3D nanostructures," said Daniel Lopez, Penn State Liang Professor of Electrical Engineering and Computer Science, and leader of the team that published this research in *Advanced Materials*. "These 3D structures are difficult to fabricate because current nanofabrication processes are based on the technology used to fabricate microelectronics which

only use planar, or flat, films. Without kirigami techniques, complex three-dimensional structures would be much more complicated to fabricate or simply impossible to make."

Lopez said that if force is applied to a uniform structural film, nothing really happens other than stretching it a bit, like what happens when a piece of paper is stretched. But when cuts are introduced to the film, and forces are applied in a certain direction, a structure pops up, similar to when a kirigami artist applies force to a cut paper. The geometry of the planar pattern of cuts determines the shape of the 3D architecture.

This new field of kirigami-style nanoengineering enables the development of machines and structures that can change from one shape to another, or morph, in response to changes in the environment. One example is an electronic component that changes shape in elevated temperatures to enable more air flow within a device to keep it from overheating.

<https://bit.ly/2QUseAk>





Technology Focus

Why companies need voice AI in 2021.

Research and market report pegged the current voice AI market at around US\$ 100 billion and growing 15 percent YoY. There is a tremendous demand for voice AI all over the world, especially in the Indian market. In the post-pandemic world, the need for machines with touch-less UI is growing, and the voice AI comes across as the perfect solution. In the digital world, the mantra for any business's success is to meet the consumer where they want and when they want. That is where companies that don't integrate voice Assistants into their processes are likely to fall behind in the future.

At the backend, the AI-based conversational tools are software applications developed to automate natural language conversations. A company can use them as chat or voice assistants. A modern conversational AI system receives the user's query through either written or spoken input. Then it offers the desired information with speed and accuracy similar to a regular conversation between humans. The existing tools are rooted in two major aspects: speech recognition and knowledge modelling.

Any voice AI Assistant's efficiency, and accuracy will depend on its ability to comprehend the voice input correctly. This is where the first-generation voice AI tools had struggled as the American companies mostly produced them to understand the specific American accent. However, the modern voice assistants are becoming rapidly proficient in natural language processing as start-ups outside the US focus on creating phonetic based voice AI tools instead of those that rely on identifying words. The reliance on natural language processing and AI reduces the inaccuracies and empowers the voice assistants globally to deliver a more incredible experience to users worldwide. The market potential is huge, and with one of the largest populations on the planet, India offers great potential for companies using voice assistants.

There are many reasons why voice AI will be the future for business operations in the post-pandemic world. As we see already with many large companies, voice AI enables them to deploy automated round-the-clock customer service. The visitor engagement and traffic on websites and apps using such tools are usually higher as they can get relevant information in near real-time compared to the cumbersome process of contacting the sales team and seeking a response for their queries.

Voice AI is also playing a significant role in making customer service more efficient. They are taking up regular business communication and everyday customer service operations to free up precious human resources and focus on advanced tasks. When it comes to personalization and intuitive customer experience, the AI tools deliver excellent service in verticals such as sales, marketing, HR, and others. Since the voice AI and chatbots store their conversations with the consumers, they also facilitate great insights into consumer behaviour and expectations and improve their user experience. They can also generate leads and create products and services that are more likely to appeal to their consumers. While usage of consumer data to analyse and extract insights for the business is nothing new, the voice AI has transformational abilities in this arena. The analysis of speech-based data goes beyond typical data. It provides consumer feedback, but the tone, language patterns, and acoustics enable the systems to pick up consumer sentiments. Whether someone is agitated or happy, complaining or making suggestions or sharing positive feedback, it is acknowledged with greater clarity and impact with interaction analytics.

Thus, it is imperative for any company that envisions itself as a leading brand of the future to plan using AI voice assistant technology in its operations soon!

<https://bit.ly/3rPm0yq>





Special Focus

Veeam® Backup Essentials

How much easier could your day-to-day operations be if you had a data protection solution that you could count on, one that just works?

Veeam® Backup Essentials™ delivers powerful, easy-to-use, and affordable backup, recovery, monitoring and reporting for virtual, physical and cloud workloads. This includes backup for VMware vSphere, Microsoft Hyper-V, Nutanix AHV, Windows and Linux Servers, NAS, AWS, Azure and more!

5 Reasons to Switch Your Backup:

1. Current backup is unreliable.
2. Once you add everything up, it costs a lot.
3. That ROI never became a reality.
4. Recovery times are slow, and backup windows are long.
5. This is taking too much of time and resources.

Data protection made easy:

Reliable backup: Back up any workload, achieve shortened backup times and reduce operational costs with the flexibility your business needs.

Fast recovery: Ensure low recovery time objectives (RTOs) with lightning-fast restores for files, VMs, NAS and applications.

Secure replication: Use imaged-based replication and streamlined disaster recovery for increased speed, security and availability.

Cloud portability: Migrate or recover any workload to AWS or Microsoft Azure while keeping your backups safe from malicious attacks.

24.7.365 monitoring and reporting: Always stay connected and informed with real-time visibility into your backup, physical and virtual environments.

Proactive alerting: Quickly mitigate threats to your environment before they develop into real problems and impact availability.

Powerful NAS backup: New capabilities that redefine NAS data protection to deal with the world of massive file data.

Physical servers' backup: A comprehensive backup and recovery solution for all physical servers, enabling organizations to protect their environments.

Award winning support: 24.7 technical support with hot fixes and updates without waiting for product releases.

Question to Ask Yourself?

- **Stability:** How often do you encounter stability issues with your current backup solution (bugs, job failures, etc.)?
- **Flexibility:** What is your backup storage plan for the next three to five years, and how will data growth, cloud mobility and security risks alter that strategy?
- **Data reuse:** You sit on a gold mine of business data within your backups — how are you putting that data to work for you to solve key business problems?
- **Backup/recovery speeds:** As business demands for access to data continue to increase, are your RTOs and RPOs getting better, or have they plateaued? Where were they three to five years ago compared to now? Where would you like them to be?
- **Ease of use:** How much time do you spend babysitting your backups? If that time were cut in half, what would you do with that extra time?

Our mission is to deliver a modern platform that can cover today's backup needs, but more importantly can expand and adapt around whatever you will need in the future (cloud workloads, cloud mobility, Kubernetes, etc.)

To talk to our experts or for a free consultation, please write to us at marketing@goapl.com





VMware Cloud unveils VMware Cloud Universal

VMware Cloud is a distributed, multi-cloud platform that enables organizations to accelerate application modernization across the data center, edge, and any cloud. It provides distinctive advantages to both developers and IT operators who are often forced to make trade-offs. VMware Cloud boosts developer productivity by enabling them to build and deploy to any cloud. The platform enables IT to modernize infrastructure and operations with better economics and less risk. With the launch of VMware Cloud, VMware is announcing new offerings that bring a more integrated experience to customers. These offerings include:

- **VMware Cloud Universal:** a flexible subscription that simplifies the purchase and consumption of VMware multi-cloud infrastructure and management services.
- **VMware Cloud Console:** a single monitoring and management environment for VMware Cloud infrastructure regardless of where it's deployed.
- **VMware App Navigator:** a new offering for assessing and prioritizing app transformation initiatives across an entire application estate based on the value of each app.

"VMware Cloud is the only cloud solution today that customers can use in the data center and on any cloud, accelerating their modernization journey with speed, simplicity, and better security. With VMware Cloud

Universal, customers make a single purchase and gain the ability to deploy apps across any environment, then move them as business or application requirements change." said Raghu Raghuram, chief operating officer, products and cloud services, VMware.

VMware Cloud is the platform for both on-premises and cloud with unified security and operations, supporting traditional and modern applications; connecting to all native cloud services; and meeting the requirements of both developers and IT operators. With VMware Cloud, customers gain the simplicity of a single cloud operating model for their multi-cloud reality, and gain portability to help minimize to help address the challenges of single cloud silos. VMware Cloud customers can realize substantive benefits including as much as 80 percent better developer productivity with VMware Tanzu Application Service (3), 59 percent lower operational costs(4), and 46% faster cloud migration.

With VMware Cloud, customers can deploy apps to VMware Cloud Foundation running in AWS, Azure, Google Cloud, IBM Cloud, and Oracle Cloud; on VMware Cloud on Dell EMC; and across hundreds of VMware Cloud Verified partners. VMware Marketplace provides customers access to thousands of validated third party and open-source developer solutions. VMware Cloud customers can also deploy and operate across native public clouds, and give developers access to all native cloud services.

<https://bit.ly/39D974y>



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Cisco introduces passwordless authentication by Duo.

Cisco Secure on Wednesday introduced passwordless authentication by security platform Duo, enabling users to skip the password and securely log into cloud applications via security keys or platform biometrics built into modern laptops and smartphones.

The consequences of using passwords are well known. Passwords are easily compromised and difficult to manage, costing enterprises billions of dollars annually. Moreover, users are often inundated with passwords in their personal and professional lives. Password reset requests comprise a lion's share of IT help desk tickets, resulting in lost productivity for users and increased support costs for the business.

Duo passwordless authentication is part of Cisco's zero trust platform, securing access for any user, from any device to any IT application or environment. The product is designed to be infrastructure agnostic, paving the way to a passwordless future while ensuring that enterprises can seamlessly protect any combination of cloud and on-premises applications without requiring multiple authentication products or leaving critical security gaps, the company said at the Cisco Live 2021 event.

Duo passwordless authentication will simplify and strengthen authentication for accessing cloud applications protected by Duo single sign-on (SSO) and third-party SSO and identity providers, by leveraging security keys and platform biometrics such as Apple FaceID and TouchID, and Windows Hello. Pairing passwordless authentication with Duo SSO enables organisations to consolidate hundreds of passwords and authentications into one easy login for users to cloud applications.

The authentication will also provide one security tool for all authentication scenarios thanks to Duo's compatibility with hundreds of applications and identity providers, with no infrastructure change required. It will reduce risk of password-related threats and vulnerabilities such as phishing, stolen, or weak passwords, password reuse, brute-force, man-in-the-middle attacks and password database compromise, Cisco said.

Duo passwordless authentication will be available for public preview beginning summer 2021 and general availability expected by the year's end.

<https://bit.ly/3fHBG4v>



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