

Galaxy along with VMware organizes a webinar on modernizing your endpoint protection with Carbon Black.

In today's mobile world with remote workforce, endpoints are the new perimeter and every endpoint is a possible entry point. Thus, merely blocking known cyber security threats is an obsolete strategy. Cybercriminals continually learn how to obscure their actions amid the ever-growing activity within your organization. The majority of today's cyberattacks now encompass tactics such as lateral movement, island hopping and destructive attacks. Advanced hacking capabilities and services for sale on the dark web compound the issue, as does an unprecedented collaboration among nation-states. These realities pose a tremendous risk to targets with decentralized systems.

The webinar included key topics like the current threat landscape and challenges, securing remote working the customers were given key insights about how Carbon Black is uniquely positioned to prevent, defend, and respond to threats.

Working remotely is now becoming the new normal. Galaxy offers VMware Carbon Black solution which aids the customer to consolidate multiple endpoint security capabilities using one agent and console, helping them operate faster and more effectively.



Anoop Pai Dhungat
Chairman & MD

MD SPEAKS

Dear Readers,

As the world is gradually limping back to normalcy, a very important lesson to be learned is to "Be Prepared, Be Innovative, Be Agile". Organisations, with a business continuity plan already in place, could be operational much earlier than those who weren't. Innovativeness, or Jugaad as it is known locally, also played a great role. Agility, was very important to tweak and modify SOPs and Business Processes to adapt to the changing conditions in different parts of the world. Those companies that had not gone digital, have been forced to fast track their core activities. We must remember, that the virus is still around and for those of you who have not made a business continuity plan yet, this is the time to do so. And if that is not reason enough, the geopolitical tensions in various parts of the world should surely convince you. Please reach out to us and we can help you with drafting and executing your work - from anywhere plan.

Till such time a vaccine and cure is found, lockdown or not, a lot of things will change - the way we travel locally to office or client meetings, delivery of services, seating arrangements at office, meetings, entertainment, education, medical care, shopping and the list is endless. A lot of industries will find it difficult to operate in their pre-COVID avatars - Travel, Hospitality, Sports, Event Management and a whole lot of companies dealing with large gatherings. Even the politicians and priests will have to find alternatives to their gatherings and congregations. Facial recognition companies will have to change their algorithms to account for everyone wearing masks. Fingerprint and other contact based devices will have to figure out a safer way. Commercial Real Estate will have to adapt to the fact that almost everyone has now discovered the virtues of working from home. All of us will have to learn to get used to a new normal.

Stay safe & happy reading

Upcoming Webinar & Workshop: Dell EMC PowerStore MasterClass

It's Smart. It's adaptable. The future of storage is here.

Join us in the PowerStore MasterClass and find out about the highly adaptable storage appliance that is the future of storage.

Topics to be discussed during this workshop:

- A detailed overview of PowerStore: a new, cutting-edge storage platform
- How PowerStore enables new capabilities and multi-dimensional scalability
- How PowerStore and AppsOn allow for greater compute and storage convergence
- How PowerStore meets the demands of any workload and can be deployed in the edge, core and cloud use cases

 **15th July 2020**

 **3:30 PM – 5:00 PM**

Register now for this workshop, <https://bit.ly/2ZLMPHP>



Future Is Now

SpaceX Is Now Taking Requests for Starlink Beta Testers

With over 500 Starlink broadband-beaming satellites already in orbit, SpaceX is looking to move ahead with rolling out its internet service. The Elon Musk-led company is now seeking beta users to test it out, ZDNet reports.

The service's website now invites users to apply to become early adopters of the service. "Get updates on Starlink news and service availability in your area," it reads.

Once signed up, users get an email: "Starlink is designed to deliver high-speed broadband internet to locations where access has been unreliable, expensive, or completely unavailable. Private beta testing is expected to begin later this summer, followed by public beta testing, starting with higher latitudes."

SpaceX's latest batch of 58 Starlink satellites were launched into low-Earth orbit on June 13, bringing the total up to 540. That's enough for "minor" coverage, according to Musk. 800 satellites will upgrade that to "moderate" coverage.

The company has Federal Communications Commission (FCC) permission to launch up to 30,000 satellites to build out its broadband constellation.

The news comes after the FCC Chairman Ajit Pai said he had "serious doubts" about SpaceX delivering enough broadband service to rural areas in the US to meet requirements of a federal subsidy program to bring internet to remote areas.

The problem with satellite broadband is that it often isn't as responsive, with a latency in the upper hundreds of milliseconds — wired broadband services at home usually have a latency in the single or double digits.

But Starlink might be far more responsive than traditional satellite internet. Musk claimed during a conference earlier this year that "we're targeting latency below 20 milliseconds," as Ars Technica reported.



<https://bit.ly/2YHesm2>



Technology Focus

VxRail: Taking HCI to extremes

Dell Technologies are introducing two new platforms to meet the demand for more compute, performance, storage and more importantly operational simplicity- at the edge and remote locations. First, they are excited to announce a brand-new Dell EMC VxRail Series – the most extreme yet – the D Series. The D560/D560F is a ruggedized, durable platform that delivers the full power of VxRail for workloads at the edge, in challenging environments, or for space-constrained areas.

Bottom line, you can't just put a device built for a data center in extremely harsh environments — from manufacturing plants to oil rigs to submarines — in

remote locations where dust is blowing or in sub-zero temps and expect it to operate. They have built the D-series to go to the extremes — extreme heat, extreme cold, extreme altitudes — so customers can get the power and simplicity of VxRail no matter where they need it.

- Resilience to extreme heat, sand, dust and vibration – VxRail D Series is certified to take heat up to 45C/113F and can even go up to 55C/131F for up to 8 hours, and have a certified cold start down to -15C/5F
- Light-weight, short depth, durable form factor that allows for flexible deployment options — at only 20" deep, it's their smallest form factor

- Rugged build and rigid cover to withstand sudden shocks – certified to withstand 40G of operational shock and for operation at up to 15K feet of elevation

Providing even more platform flexibility, they are also announcing a new VxRail E Series model based on, for the first time, AMD EPYC processors. The single socket, 1U nodes offer dual socket performance making them ideal platforms for desktop VDI, analytics and computer aided design. As their second lightest and second shortest depth chassis (only the D560 is lighter weight and shorter depth) with a high efficiency dual redundant power sipping 550W power supply, this an ideal option for edge deployments.

Extreme Performance and Operational Efficiencies

More than ever, new workloads require extreme IO and graphics performance, and they continue to provide new ecosystem options to meet those demands while at the same time continuously enhancing VxRail HCI System Software to deliver extreme operational simplicity.

The addition of Intel® Optane™ DC Persistent Memory to the E560 and P570 platforms offers high performance and significantly increased memory capacity with data persistence at an affordable price. VxRail is the first, fully integrated VMware HCI system to support Intel's new groundbreaking technology innovation, Intel Optane persistent memory.

Dell's testing showed VxRail with Intel Optane persistent memory in app direct mode delivers 90 percent lower latency and 6x higher IOPs for small I/O workloads compared to those same VxRail models with NVMe, making it ideal for in-memory intensive workloads and use cases such as SAP HANA.

They have also added the latest NVIDIA® Quadro RTX™ 6000 and 8000 GPUs to the V570F bringing the most significant advancement in computer graphics in over a decade to professional workflows. Designers and artists across industries can now expand the boundary of what's possible, working with the largest and most complex graphics rendering, deep learning, and visual computing workloads.

VxRail continues to set the pace in delivering operational simplicity with HCI System Software, the core differentiation of VxRail regardless of your workload or platform choice. Their integrated, value added software extends VMware native capabilities to deliver a seamless, automated, operational experience, including automated full stack lifecycle management that keeps the infrastructure in continuously validated states to ensure workloads are consistently up and running. In the latest software release supporting vSphere 6.x – VxRail 4.7.510 – continue to add new automation and self-service features enabling customers to schedule and run upgrade health checks in advance of upgrades to ensure clusters are in a ready state for the next upgrade or patch, and offer more flexibility in getting all nodes or clusters to a common release level.

Extending the Dell Technologies Cloud Platform to New Extremes

This launch is jam-packed. In addition to new platforms, the Dell Tech Cloud Platform, VMware Cloud Foundation on VxRail, now enables extreme simplicity so IT can enable developers of modern applications and extreme flexibility with an entry level cloud configuration.

Furthering their commitment to supporting the latest VMware technologies, customers can now run vSphere Kubernetes on the Dell Tech Cloud Platform, VMware Cloud Foundation 4.0 on VxRail 7.0.

VMware recently introduced the highly anticipated vSphere 7.0. In keeping with the synchronous release commitment, they have introduced VxRail 7.0 with support for vSphere 7.0 in late April – within 30 days of VMware's release. VCF 4.0 on VxRail 7.0 delivers a simple and direct path to Kubernetes at cloud scale with one complete automated platform. Unique integration across the stack enables developers and operators to quickly and easily support modern application development with infrastructure managed as a single automated private cloud.

Additionally, VCF 4.0 networking advancements have made it easier than ever to get started with hybrid cloud. With a more accessible Consolidated Architecture, Dell Technologies Cloud Platform can now be deployed starting with a 4-node configuration, lowering the cost of entry level hybrid cloud.

Enabling IT to Deliver Extreme Results

Whether you are accelerating data center modernization, extending HCI to harsh edge environments or deploying an on premises Dell Tech Cloud platform to create a developer-ready Kubernetes infrastructure, VxRail delivers a turnkey experience, extensive platform configuration options, automation, orchestration and consistent hybrid cloud operations to address the broadest range of traditional and modern workloads across the core, edge and cloud- taking HCI to Extremes.



Galaxy is a Titanium partner of Dell Technologies, interested to know more about this solution or want to talk to our technology experts? Please email us at marketing@goapl.com

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



Special Focus

Is there a better option than VPN to securely connect and provide access to your employee?

Organizations across the globe are becoming technology driven to remain productive in this current situation. To ensure your business can continue normal operations, you need to enable your employees to work remotely and maintain productivity, increase connectivity, and provide for continuous, secure access to applications across endpoints.

VPNs fall short in addressing your requirement when employees are working from home and possibly the new workspace norm for an increased number of your workforce in the post COVID-19 era. While VPNs are used as a remote access solution, it has some huge shortcoming:

VPN:

- Unmanaged Devices connecting via VPN is like Ticking Timebomb from security perspective as entire Datacentre gets exposed to Cyber-attacks.
- Most of the VPNs cause the entire device traffic to go through the VPN Tunnel, thus causing unnecessary bandwidth utilization.
- With VPNs, there is almost no centralized remote management – you cannot deploy, monitor, and manage all of your connections from a single place.

- Corporate Apps and Data are accessible on non-compliant devices.
- VPN Gateways are Expensive as they usually use IPSec, which is the most expensive type of Gateway.

VMware Workspace ONE:

- Enables Modern Management for PCs/laptop/Mobile devices (Patching, Configuration, Group Policies, Asset details etc).
- In-Built Per-App VPN & Multifactor Authentication (MFA) which limits attack surface of corporate datacenter and increases identity protection.
- Simplifies App Access, Application delivery and Management across any network through a single console.
- Software application delivery, can help remediate “Ransomware” attacks by delivering EDR, DLP solutions to all endpoints
- Cloud delivered instantly with “Zero” Capex for any on-prem hardware

From the management, performance, and security perspective, we simply can't trust something that might have worked years ago. Instead, you need a modern digital workspace platform that simply and securely delivers and manages any app on any device by integrating access control, application management and multi-platform endpoint management.

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

<https://bit.ly/2VSUZx0>



REFLECT & RETHINK

Is there a better option than VPN to securely connect and provide access to your employees?





State govts, firms harnessing Cloud to fight COVID-19 in India: AWS

The COVID-19 onslaught has accelerated the pace of IT modernisation and digital transformation via Cloud-driven solutions in the vast public sector in India and various state governments are fast embracing the Cloud technology to reduce the infection rate while efficiently managing the lockdown, a top global Amazon Web Services (AWS) executive has stressed.

According to Teresa Carlson, Vice President, Worldwide Public Sector, AWS (the Cloud arm of e-commerce giant Amazon with over \$40 billion annual run rate), as COVID-19 continues to spread, the global health emergency will only be resolved by governments, businesses, academia and individuals working together to better understand this virus and ultimately find a cure.

"Research institutes, scientists and organisations working on diagnostics need reliable, scalable compute power, which AWS can deliver to them along with industry-leading services like analytics and machine learning, so they can process and analyse large data sets and iterate quickly," Carlson told IANS.

Today, from state governments to startups, India is fast harnessing AWS Cloud technology for scale, speed and agility and above all, data security.

Quantela, a provider of smart urban infrastructure automation, has developed CoVER (COVID-19 emergency response) platform in India.

"CoVER is used by government authorities across 10 cities in India to monitor, manage, track, diagnose, communicate, collaborate and prevent the impact of COVID-19. In one of the large cities in southern India that has so far reported far fewer COVID-19 cases, they used CoVER to track about 120 hospitals, 600 ambulances, and 400 isolation beds, and monitor people in quarantine," informed Carlson.

The officials attributed real-time access to data and quick decision-making as among the key measures that helped the city contain the spread of COVID-19 even in densely populated areas, and significantly helping reduce the infection rate in the city.

The India eGovernments Foundation collaborated with AWS to develop the National COVID-19 e-Pass solution within 72 hours to provide a digital pass management system that supports multiple state governments, to manage the lockdown while ensuring smooth movement of the essential service providers across and

within states.

"Since its launch, more than 50,000 organizations have been evaluated, and more than 6,00,000 daily passes have been issued on the platform. It has been deployed in Haryana, Punjab, Delhi, Telangana, Puducherry, Odisha and Karnataka," the AWS executive noted.

TruFactor is a platform that provides mobile-first consumer data and insights. The company has a patented platform that ingests, filters, and processes over 100TB of data anonymously, using AI to produce graphs that combine digital signals, physical people movement data, and demographics to help tackle spread of COVID-19.

TruFactor has listed datasets on AWS Data Exchange, a service that makes it easy for millions of AWS customers worldwide to securely find, subscribe, and use third-party data in the cloud.



Innovaccer, a San Francisco-based healthcare technology company, with offices in India and Asia, launched a COVID-19 Management System that can conduct early community-based triage of COVID-19 patients through automated assessments in minutes.

The multi-platform system is currently in use by the governments in Goa and Puducherry in India. Within three days of launch, more than 25,000 citizens in Goa had already used the app to assess their vulnerability to COVID-19.

Mumbai-based Qure.ai, a healthcare startup built on AWS, has developed a machine learning-powered solution called 'qXR' which uses X-rays to classify patients as high, medium, or low risk for COVID-19 in less than a minute.

Built on data from more than 2.5 million radiology scans, qXR is capable of detecting problem areas and abnormalities that are indicative of COVID-19.

Since its deployment in over 40 sites across South Asia, Europe and North America, it is identifying approximately 5,000 suspected cases on a weekly basis.

Qure.ai is currently in talks with the state governments to use its solution in government hospitals, large clinics and healthcare centres across the country.

AWS announced the Diagnostic Development Initiative (DDI) in March this year.

“This is a programme to support customers who are working to bring better, more accurate, diagnostics solutions to market faster, and promote better collaboration across organizations that are working on similar problems,” Carlson told IANS.

This includes an initial investment of \$20 million to accelerate diagnostic research, innovation, and development to speed collective understanding and detection of COVID-19 and other innovative diagnostic solutions to mitigate future infectious disease outbreaks.

“We are actively working with 35 projects that have been submitted and are still accepting more applications,” said Carlson.

<https://bit.ly/3dPV6zq>

Chennai worst-hit by cyber-attacks in India: Report

Chennai recorded the highest number of cyberattacks in the country during the January-March quarter of this year as threat actors targeted the city with a variety of attacks aimed at exploiting user trust and enterprise vulnerabilities, said a report.

The infection rate in Chennai stood at 42 per cent during the quarter, followed by Patna at 38 per cent and Bengaluru, Hyderabad and Kolkata at 35 per cent each, said the “Cyber Threat Monitor Report” by home-grown cybersecurity company K7 Computing. Threat actors continued to exploit vulnerabilities in outdated software and operating systems in this quarter.

Windows XP and Windows 7 were the most at risk as Microsoft has stopped providing updates and patches to these versions.

The report revealed that attacks by rootkits like Curveball, Remote Code Execution, phishing attacks based on Covid-19 trends, and DOS (denial-of-service) attacks were popular.

Complex USB attacks also saw an increase — popular among these were crypto mining malware.

“We are seeing an increasing trend of threat actors targeting enterprises with complex viruses, Trojans, and even ransomware,” J Kesavardhanan, founder and CEO of K7 Computing, said in a statement.

“On an individual level, the current risks facing users are fake apps, Covid-19 apps infected with malware, and phishing attacks. The most worrying of all is the new trend of many advanced threat actors offering malware as a service to cybercriminals.”

The research found that among tier-1 cities, Chennai, Bengaluru, Hyderabad and Kolkata recorded the highest rate of infections, while among the tier-2 cities, Patna registered the highest infection rate at 38 per cent followed by Guwahati, Jammu and Bhubaneswar.

These attacks were designed to exploit user trust and scam people for financial gains. However, the report found that there was an eight per cent decrease in the overall rate of cyberattacks in the country during the January-March in comparison to the previous quarter.



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