

Galaxy Turns 32!!

Galaxy completed 32 fascinating years of integrating technology and driving growth. A big 'Thank You' to all our customers and technology partners for all the encouragement and support that made this fruitful journey possible.



We want our customers, employees & partners to know that your trust and support has always been the biggest drivers for our continued success!

Breaking New Ground with Dell Technologies PowerEdge MX Server

Galaxy, in collaboration with Dell Technologies, hosted the Dell EMC PowerEdge MX Server Workshop to give a closer look at the Next Generation of servers. Conducted on 29-11-2019 at Hyatt Regency, Mumbai.

PowerEdge MX is Modular, 7U integrated solution designed for enterprise data center density with easy deployment, management, and maximum longevity. PowerEdge MX features industry-leading no midplane design and scalable fabric architecture to support new processor technologies, new storage types and new connectivity innovations well into the future.



Galaxy Office Automation Pvt. Ltd. is Titanium partner for Dell Technologies. To know more, Get in touch with us on 022-46108777 or email us at marketing@goapl.com

Galaxites never stop making us proud!

We are proud to announce Santosh Wakradkar has bagged the championship trophy in the Men's single category and finished runner up in Mixed doubles on the 1st season of 'Horizon Sportiva Table Tennis Championship'. Heartiest Congratulations to Santosh & Team Galaxy #ReadyForNextLevel



Anoop Pai Dhungat
Chairman & MD

Dear Readers,

As we approach the end of 2019, I want to take stock on the hits and misses of two technologies that we expected to take off during the year. Artificial Intelligence has been a consistent performer, though I would have liked to see a lot more penetration in enterprises. A number of applications around Natural Language Processing (NLP). Robotic Process Automation (RPA) and Cybersecurity have been implemented. However, many industries like health care, banking & finance and manufacturing have been slow in implementing AI solutions for patient diagnosis, drug discovery, fraud detection, stock performance predictions etc. I hope that this picks up next year.

Blockchain, got off the blocks fast with a group of 11 banks announcing the launch of India's first block-chain linked funding for small and medium enterprises (SMEs), a move which may bring about a drastic change to lending practices. However, after that, little was heard of this. On the other hand, The Indian government, with the help of Centre for Development of Advanced Computing and the Institute for Development and Research in Banking Technology, has built the Distributed Centre of Excellence in Blockchain Technology, a project that develops and conducts research on blockchain technologies and their use cases. Under this initiative, the institutions have piloted a blockchain system for property registration at Shamshabad District, Telangana State, developed proof-of-concept solutions for Cloud Security Assurance, C-KYC and trade finance. Work is also going on in authentication of academic certificates with a proof-of-existence framework, and vehicle life cycle and hotel registry management. I expect to see a lot of action in this space next year.

At Galaxy, we have Artificial Intelligence based solutions for Chatbots and Robotic Process Automation. Do reach out to us to know more about how these can help you in your business. Happy Reading

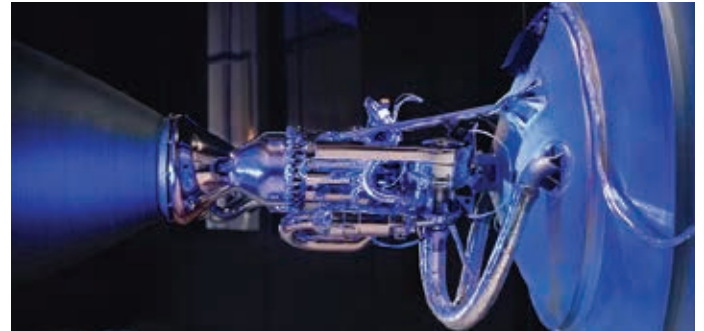
AP Dhungat



Future Is Now

Giant 3D printers for making boats, bridges, buildings and rockets

Boat building is a long-winded and tedious business, even when what is going down the slipway is a small craft made from modern materials such as fibreglass, rather than something nailed together out of planks of wood. Construct a mould. Build up layers of resin and glass fibre inside that mould. Extract the completed structure and finish it. All told, it can take months. That, though, may soon change. For researchers at the University of Maine are now in the process of testing an 8-metre (25-foot) patrol boat that took just 72 hours to make from scratch (see picture overleaf). Their trick was to build the vessel using a giant 3d printer.



Since they appeared in commercial form in the 1990s, 3d printers have generally been employed in factories to make small things like prototype models, components of jet-engines and dental crowns. Now, a new generation of outsize printers is arriving. These are capable of turning out much bigger objects than previously possible, and printing them faster.

<https://econ.st/38bCzff>

How Neurohacking Could be Used for Super Learning

Neurohacking is a form of biohacking that concentrates on the brain and central nervous system. The accepted methods of neurohacking involve manipulation or interference used with the performance or structure of neurons. Medically, it has been used to help with illnesses or disorders to control pain, depression or anxiety.

There is a growing interest in whether the same techniques could be employed to help encourage super learning in humans. Current research by Dr. Herman Epstein, Joseph LeDoux, Alex Ramonsky, Frederick Starr, and David Barker are on the hunt for the answer.

Movies like The Matrix introduced neurohacking as a way to retrieve information from the brain without knowledge or consent.

Fortunately, the **technology** does not exist that allows mental thought processes to experience hacking. Useful **neurohacking** is a process of guiding the nervous system through internal and external stimuli to respond in ways that are beneficial for a positive outcome. Drinking caffeinated

beverages is one method that people use to neurohack every day. The caffeine affects the nervous systems response to feeling tired.

The solution being researched to increase intelligence will be in the form of a drug administered once a day. Drugs like Ritalin

are already in use to help children with Attention Deficit Disorder (ADHD) to feel less distracted and promote the ability to sit still long enough to learn. The hope is that one day there will be a class of super drugs that specifically target the learning centers of neurons in the brain. There is reasonable hypothesis that the right medications will increase memory capabilities of humans and perhaps even allow for computer paced cognitive processing. Until then, it is best to stick to getting enough sleep, eat a

balanced diet, and reduce stress. External controls are the only provable ways to increase the ability to learn at present, but the research will continue.



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



Technology Focus

The PowerEdge T40 – The Foundational IT Building Block For Your Business

As a small business owner, you are both the architect and the builder of your business. The first step to building a great house is setting a solid foundation. A solid foundation offers a sturdy home for a family to enjoy, endures everyday stresses, and enables expansion.

You and a home builder have a lot in common. You both must follow your blueprints to set a solid foundation to continue to build upon. You require a motivated and empowered team to accomplish your business goals. You are also focused on the hard task of growing your customer base and maintaining happy customers.

According to IDC, the three top small business priorities are to improve productivity, reduce complexity, and manage expenses. Unfortunately, as businesses grow their teams and customers, many begin facing IT challenges that get in the way of achieving their priorities. You may be struggling to keep business applications running efficiently, collaborating effectively with team members, or finding it difficult to scale. You may also have growing concerns about public cloud security and costs. Do these challenges sound familiar?

Don't let your IT challenges get in the way of achieving your priorities. The Dell EMC PowerEdge T40 is the dependable IT building block for your small business. It builds upon the solid foundation you have laid for your business to thrive. It offers you the capability to efficiently support your small business.

Dependable

Builders invest wisely with reliable and sustainable materials and craftsmanship that they trust. As the builder of your small business, it is important to invest wisely and choose a quality server engineered to specifically overcome IT challenges. If you require a reliable and efficient server for everyday business applications like file and print and mail and messaging, the PowerEdge T40 tower server has you covered.

You can run critical business applications that enable you to connect with your customers, prospective customers, and your team. It facilitates business applications to run quickly with faster computing capability than your everyday PC or laptop. It empowers multiple team members to work on the same file and print multiple documents efficiently. It allows you to communicate quickly and easily with customers and colleagues globally. Moreover, you can be assured with the reliable Dell EMC standard next business day hardware warranty.

The PowerEdge T40 helps you to manage expenses by avoiding unknown public cloud processing and storage costs. You can also control your sensitive data and access your data on-site instead of having it hosted on the public cloud. PowerEdge servers can be safer and cheaper than public cloud alternatives. As a matter of fact, independent research commissioned by Dell EMC uncovered that over 50% of mid-market organizations that have moved a workload from a public cloud service back to on-premise infrastructure cited security and/or cost as a reason for this decision.

Efficient Operations

Builders know time is money and strive to maximize efficiency. You can efficiently support your small business with the foundational features of the PowerEdge T40 which allows you to easily consolidate, store, and share files on-site. The PowerEdge T40 server is built to process and transmit data quickly. This will provide your everyday business applications to run faster and reduce the amount of interruptions you may be experiencing. The server simplifies team collaboration, reduces re-work and provides peace of mind. You are also able to share more with team members and customers with a 50% increase in on-site data storage.

As your organization's primary developer, set a solid foundation for your company to achieve its business priorities. Choose the PowerEdge T40 as your dependable IT building block. It is the reliable and efficient foundation to withstand your IT challenges.

If you seek this dependable IT building block with remote manageability and 24/7 availability, consider the other Dell EMC PowerEdge one-socket servers.



For a free consultation, please contact us on 022-46108777 or email us at marketing@goapl.com

Intrusion Prevention (IPS)

Protect against known, unknown, and undisclosed vulnerabilities in your network

The Cyber Threat Landscape

As threats continue to evolve in sophistication and speed, enterprises need effective, flexible, comprehensive security that meets the security and performance requirements of their hybrid networks.

Protect against the full range of threats in your network

Only complete visibility into all network traffic and activity will keep your network security ahead of targeted attacks that bypass traditional controls, exploit network vulnerabilities, and ransom or steal sensitive data, communications, and intellectual property.

Trend Micro™ TippingPoint™, an XGen™ security solution, provides best-of-breed intrusion prevention to protect against the full range of threats at wire speed anywhere on your network to protect your critical data and reputation.

Real-Time Security

Get proven network reliability and availability through automated, inline inspection without impeding network performance for hybrid infrastructure – including on-premises, private, and public cloud.

- Ideal for inline deployment with multiple fault-tolerant features that support continuous uptime and high availability
- Extend your existing TippingPoint network protection to AWS and other hybrid cloud environments with the powerful Trend Micro™ Cloud Network Protection™

Threat Intelligence

Achieve protection from advanced threats through industry-leading global threat intelligence

- Protect against known vulnerabilities and all potential attack permutations with minimal false positives
- Protect against undisclosed threats through exclusive access to vulnerability data from the Zero Day Initiative

- Connected Threat Defense delivers integrated security to provide automated and faster-time to protection
- Out-of-the-box recommended settings with automatic updates provide immediate and ongoing threat protection with little manual effort

Centralized Insight

Integrate and priorities security policy, response, and visibility with centralized management

- Gain centralized visibility into the network to make informed decisions and take immediate action on potential threats to infrastructure or data
- Integrate with Trend Micro and complementary third-party solutions, including SIEM, NGFW and VA/VM, to enhance a layered security approach
- Centralized management provides a scalable, policy-based operational model and enables straightforward management of large-scale deployments

Machine Learning

Maximize real-time protection with patented machine learning techniques

- Leverage mathematical models to determine if network traffic is malicious or benign
- Block network traffic that emulates characteristics of known or unknown malware families
- Detect and block DNS requests from malware infected hosts attempting to contact their C&C hosts using domain generation algorithms (DGA)



How important is an effective Intrusion Prevention System?

An effective network intrusion prevention system has the ability to detect and stop a variety of attacks that cannot be automatically identified by firewalls, antivirus technologies and other enterprise security controls.

<https://bit.ly/369zDhL>



Special Focus

What Every Business Should Know About RPA

The pervasive nature of RPA in businesses today places more importance on understanding RPA in its basic sense to integrate it.

The advent of Robotic Process Automation (RPA) has opened a whole new dynamic of competitive advantage for businesses. IT professionals are the first ones to adapt to emerging technology and for a technology that uses AI, RPA becomes appealing. The application of AI in RPA brings a newer angle for enterprises to capitalize upon. When the element of opportunity arises, businesses are not very far from reaching out to it.

With Microsoft announcing its step into the RPA market, it opens up a whole new dynamic of IT firms. There are already quite a few firms from different industries that have included RPA significantly in their workforce. Top IT firms such as Cognizant, Accenture, and Capgemini implementing RPA successfully into their workforce. In other sectors, there is Deutsche Bank, Ernst & Young and Vodafone integrating the same. In fact, even educational organizations have created courses specializing in RPA. Automation Anywhere and TalentSpring have collaborated and launched a Talent Development Centre Initiative for India. This center will help students attain certifications and career prospects across the Automation Anywhere ecosystem.

As RPA makes it big in the market, understanding it to its very core would be ideal for business employees. Let's start with the basics.

What is RPA?

In its simplest sense, RPA is performing tasks or activities by a robot which would otherwise be done by a human. The software is particularly dedicated to automating business processes and reducing human intervention.

Tasks that require managing huge amounts of data or which are repetitive in nature, can easily be automated by setting up an RPA tool.

How does RPA work?

Once your workflow is decided, it gets programmed into the RPA tool which performs the tasks autonomously then. RPA is great for managing huge amounts of data, generating automated responses to queries, creating bills, etc.

How does RPA benefit businesses?

Affordable

While RPA sounds fancy, it doesn't drain your pockets. Since repetitive tasks get automated by an RPA tool, you are saving a lot of money that would otherwise be spent on employees performing these tasks. For example, it is great for enterprises that use and analyze a lot of data. A sales organization can find automatically recorded data onto their systems and work on improving sales.

Time conscious

There are two things- one, RPA performs tasks a lot faster than humans and two, customers will enjoy the benefit of quick information. So, enterprises that need to provide quicker results and engage with a customer should automate some processes. An online store could automate responses for search queries, complaints, refunds, etc.

Frees up time for other tasks

When the repetitive processes are automated, it gives the employees more time to formulate plans and grow their business. A marketing firm could plan better when they get accurate data to derive insights from. They can then work on creative processes.

Data security

When the tasks are performed by a virtual workforce, there are very few chances of data getting leaked or misused. The security and secrecy of data remains within the organization as the bot is never leaving your organization. For enterprises such as data analytics companies, RPA will ensure the security of data.

Less to no scope of error

Since there is no human involvement and the robot is programmed to perform tasks, there is no scope for mistakes or errors. Repetitive tasks don't require to be programmed after every it performs the task. The same program will get the same results you expect. Frequently Asked Questions section could benefit a lot from RPA.

Adapts to existing IT infrastructure

To enjoy new features on your smartphone, you need to update your iOS or Android system. However, with RPA that is not a worry. It works well on the existing IT infrastructure and adapts to all applications instead of having to integrate it one by one.

How do you implement RPA?

Whether you're looking to generate mass emails or onboard employees easily, implementation of RPA needs to be done correctly. Here is what you should consider:

Identify where you need RPA and select

While automation makes everything easy, as an organisation you run on a tight budget. So, identify areas that require automation inevitably. Areas where there is a lot of data that needs to process, no room for mistakes, difficulty of getting employees, etc, RPA can help out. Once you identify, you select the ones that really need automation.

Keep your employees aware

Even though there is a move to the robot workforce, the human employees of your organisation should be part of the conversation. You must communicate to them the new developments in your organisation and help them adapt to automation easily.

Develop and Test the solution

Develop the RPA solution for your organisation based on your requirements and then test it. Most times what is decided looks good when charted out but doesn't work out when applied. So, do a test run for your solution.

Assign a team for RPA maintenance

Once your RPA tool is set, be sure that you have a team that was present during the installation and will be able to scale with RPA as and when it does. RPA is bound to grow and would require maintenance.

In conclusion

Implementation of RPA really depends on a smart business team that is able to account for all ethics and rules involved. While it is a boost for businesses, there still remains a need for human intervention so the bot doesn't sound too robotic.



For a free consultation, please contact us on 022-46108777 or email us at marketing@goapl.com



Samsung to Launch Clamshell - Style Foldable Phone Priced Below \$1,000 in 2020: Report



Samsung will launch two new foldable phones in 2020 with one expected to debut in Q1 and the other in Q3, the report suggests.

Samsung hasn't had the greatest luck in the world with

its first foldable smartphone. The Galaxy Fold was welcome with criticism by early reviewers who found the foldable smartphone to be too delicate. Samsung then spent months fixing the design of the Galaxy Fold before re-launching it.

According to a report by the Korea Herald, citing industry sources, Samsung could launch a clamshell-style phone early next year and follow it up with a successor to the Galaxy Fold later in August. The former is expected to be priced at around \$850 (roughly Rs. 61,000). That's much cheaper than the existing Galaxy Fold which currently sells at Rs. 1,64,999 in India.

The report also mentions that LG is also looking to launch its first foldable smartphone in 2020, featuring a design similar to Huawei Mate X.

Earlier this year at the Samsung Developer Conference, Samsung had showed off its foldable flip phone design. The smartphone can fold in half horizontally. This could be the folding phone Samsung is rumoured to launch early next year at an affordable price point.

Samsung may launch the clamshell-style foldable smartphone alongside the Galaxy S11 series in February next year. Samsung is rumoured to launch its next-generation flagship smartphones in the third week of February 2020.

<https://bit.ly/33LSQEp>

Automation Anywhere and TalentSprint collaborate to build RPA workforce

Automation Anywhere and TalentSprint have announced the launch of a Talent Development Center Initiative for India.

The center will enable students from select engineering institutions to obtain the Master-Level Certification and the ability to access career opportunities across the Automation Anywhere ecosystem. As a part of the initiative, TalentSprint will conduct bootcamps, online classes and practice labs, with certifications offered by Automation Anywhere.



Milan Sheth, Executive Vice President for IMEA at Automation Anywhere, said, "In a fast-changing digital world, the skills that companies expect and require are shifting rapidly. The RPA revolution will have profound implications on future career trajectories. We are certain that India will serve as a major talent hub for our ecosystem. The Automation Anywhere University is already playing a pioneering role in creating best-of-breed RPA professionals worldwide, and we are delighted to join hands with TalentSprint to multiply our reach and impact across India."

"At TalentSprint, we continue to expand our portfolio of deep tech programs for young and experienced professionals who seek to build career for tomorrow. We partner with world-class academic institutions and global corporations to bring future-proof skills and aspirational certifications within the reach of such professionals. We are delighted that Automation Anywhere has chosen TalentSprint as their preferred partner to build a talent development center for high-skilled RPA professionals. This initiative, upon reaching steady state, will produce one thousand certified graduates annually. This is great news for young professionals, engineering institutions and system integrators," said Dr Santanu Paul, CEO and MD, TalentSprint.

<https://bit.ly/360Rzef>

OneCoin Scam's Main Site Goes Offline: Law Enforcement Closes In

The alleged scam, which is estimated to have stolen at least \$4.4 billion, was operational until late last week.

The website that acted as the main platform for OneCoin, the infamous crypto Ponzi scheme that is known to have scammed investors out of at least \$4 billion, is finally



offline. The news appears to have been originally reported by multi-level marketing scheme monitor BehindMLM.com on December 1, 2019. "[Domain Name System (DNS)] records show that while the company still owns the website domain, it is now under investigation" as of November 30th, the monitor explained, adding that while it is unclear exactly who is investigating the site, OneCoin's DNS status has been changed to "server hold" by EurlD, its domain registry.

EurlD confirmed that the server hold had been placed because of an investigation, but did not disclose who the investigating party is.

Previously, OneCoin denied accusations that it is a Ponzi scheme in spite of multiple investigations by a number of governments around the world and continued its operations without major interruption.

<https://bit.ly/2OQ94rS>