

The Dell Technologies logo, featuring the word "DELL" in a stylized font with a diagonal line through the "E", followed by the word "Technologies".

DELL Technologies

Power Your Business Forward Faster with the Newest Server Technology

Transformation-ready infrastructure with Dell PowerEdge

Table of Contents

Is your business set up for success?	3
Hackers want a piece of your business.	3
Workloads are driving today's technology investments and tomorrow's innovation.....	4
Artificial intelligence and machine learning.....	4
Virtualization	4
Virtual desktop infrastructure	4
Data analytics	4
Edge computing and IoT	4
Looking forward and driving change.....	5
Change brings technology complexity and challenges.	5
Modern infrastructure goes beyond the status quo.	6
The latest generation of Dell PowerEdge servers: Your innovation engine	6
Adaptive compute.....	6
Aligned to your workload requirements	7
Acceleration for demanding workloads.....	7
Optimized performance for today and tomorrow	7
Autonomous compute infrastructure.....	7
Automation.....	7
Simplified, insightful management.....	8
Proactive resilience	8
End-to-end supply chain assurance	8
Immutable, silicon-based root of trust.....	8
The latest advancements, your business advantage	9
Processor technologies from Intel and AMD	9
PCIe Generation 4.0	9
Affordable expandability: XS servers.....	9
Ruggedized servers: PowerEdge XR11 and XR12	9
Accelerator-optimized platforms	10
Energy-efficient power and cooling	10
Put the latest generation of PowerEdge servers to work faster with Dell Technologies Services.	11
Leaders don't wait for the new normal; they create it with the latest generation of PowerEdge servers.	12

Is your business set up for success?

Business models are evolving. Once-commoditized industries are now experiencing growth and premium margins as new entrants introduce innovative ways to deliver products and services. Markets that once benefited from high barriers to entry are being disrupted as new players leverage technology to reinvent processes and reimagine the customer experience.

In this new environment, business velocity and the ability to pivot have become organizational mandates. Speed has emerged as a differentiator and catalyst for transformation, and organizations that can move fast are outperforming others on innovation, growth and other metrics, including financial outcomes.¹

Hackers want a piece of your business.

The pace of change has never been more rapid or demanding. Innovation has become a business imperative even as risks increase in number and sophistication, challenging organizations to move faster while also safeguarding investments in operations, technology and new ways of working. As the role of CIO becomes increasingly focused on transformation, more than 80% of CIOs are ramping up digital innovation.²

But along with the opportunity for growth, rapid innovation can also bring a higher risk of an IT breach. Sophisticated and evolving threat vectors are innovating almost as fast as business, challenging organizations to think through a balanced approach when protecting investments in their IT infrastructure.

Unfortunately, cybercrime is a lucrative business, and malicious attackers and threats are accelerating, becoming an ever-present reality. Attacks increased 151% in the first six months of 2021 compared with the previous year and the average cost of a breach increased 10% from 2020-2021.^{3,4} As a result, business resiliency has emerged as a competitive advantage, allowing organizations to withstand crises and build trust while delivering on their strategic goals.⁵

While evolving business models are designed to help organizations be flexible and fast, IT challenges can introduce new risks that stall innovation and enterprise momentum.



80% of CIOs
are ramping up
digital innovation.²

¹ McKinsey, [The Need for Speed in Post-Covid Era: Survey](#), April 2020.

² IDG, [2021 State of the CIO](#).

³ Seals, Tara, [Ransomware Volumes Hit Record Highs as 2021 Wears On](#), Threatpost, August 3, 2021.

⁴ Ponemon Institute, sponsored by IBM Security, [2021 Cost of a Data Breach Report](#), July 2021.

⁵ Forrester, [Five Pandemic-Induced Trends That Will Change Business And Technology Over The Next Decade](#), July 2020.



Workloads are driving today's technology investments and tomorrow's innovation.

Artificial intelligence and machine learning

The need to modernize, coupled with the massive amounts of data available, have fueled the adoption of artificial intelligence (AI) as a business game changer. Organizations are accelerating the adoption of AI and machine learning (ML) to create more efficient processes, improve decision making and reduce risk. It's also helping to augment staffing as the IT skills gap and labor constraints force businesses to explore new ways to support digital transformation. In fact, 55% of businesses suggest that AI will help them create new business models, and 54% expect it to enable the creation of new products and services.⁶

In the drive to digital transformation and the rise of the data-driven organization, business leaders recognize AI as one of the most important technologies to help organizations innovate, which is why 30% of all AI projects are steered by the CEO.⁷ But even with executive support, to excel with AI, organizations need to enhance application portability across hybrid cloud environments while simultaneously reducing IT complexity so that AI can be managed by existing staff resources with minimal additional training.

Virtualization

Virtualization is changing the way resources are deployed and managed by simplifying and speeding IT response to a changing business environment. Virtualization environments place significant demands on server hardware, which is why successful virtualization efforts rely on the ability to deliver data to the CPU subsystem as quickly as possible. Storage capacity and performance also play roles in an organization's ability to deliver an optimal virtualization experience.

Virtual desktop infrastructure

The global pandemic highlighted the business-critical need to ensure that organizations can work and learn from anywhere. Virtual desktop infrastructure (VDI) has enabled a shift from applications running on employee's computers — and the labor- and resource-intensive tasks needed to maintain and support desktop hardware — to delivering and managing apps or full desktops anywhere, on any device for enhanced collaboration and productivity. With VDI, performance is key to ensuring a positive end-user experience, but at the same time, security and simplified IT operations are vital for a successful and sustainable enterprise adoption.

Data analytics

As business leaders seek better, faster decisions, data analytics has emerged as a cornerstone of organizational planning and strategy. Once the purview of specialists, the increase in data growth and its availability across the enterprise enables business users to develop data insights to inform everything from product development to improving the customer experience. However, organizations can be challenged to harness the power of analytics due to the complexity of managing the infrastructure needed to deploy analytics projects, move data and protect digital assets.

Edge computing and IoT

By putting computing power near users or data sources, also known as the edge, organizations can deliver faster and more reliable services while leveraging cloud resources to cost efficiently apply resources to a greater number of locations. When combined with connected Internet of Things (IoT) devices — including sensors, alarms, locks, and cameras — edge computing can improve efficiency and deliver services faster. Overall enterprise IoT spending grew 12.1% in 2020 to \$128.9 billion as organizations pursued the advantages that edge computing and IoT offer.⁸

Given the benefits, it's no surprise that the total installed-base of IoT-connected devices is projected to amount to 30.9 billion units worldwide by 2025, more than double the number of devices in 2021.⁹ Unfortunately, the inefficient use of bandwidth, bottlenecks, security vulnerabilities and disparate systems, connectivity, and storage can dramatically impact the ability to realize the benefits of edge and IoT computing.

⁶ The AI Journal, [AI in a Post Covid-19 World](#), 2021.

⁷ Gartner, [Gartner Hype Cycle for Artificial Intelligence](#), September 2020.

⁸ IoT Analytics, [2021 Global IoT Spending](#), June 2021.

⁹ Statista, [IoT and non-IoT connections worldwide 2010-2025](#), March 2021.

Looking forward and driving change

Digital transformation has driven massive shifts in how organizations go to market, and operate and manage risk. Meeting ever-evolving customer needs requires business agility and the adoption of technology that supports emerging channels and seamless operations. At the same time, internal initiatives, such as meeting sustainability goals, can also impact how technology is adopted and deployed, most notably in the data center, where energy consumption is a major focus of both cost reduction and green efforts.

The competitive landscape is also driving changes, as new business models reshape go-to-market motions and customer expectations. This new environment can increase agility and business velocity, but it also expands the attack surface and invites new threats. Data security and risk mitigation have become foundational to the enterprise, both financially and operationally.

Research shows that six months after a breach, companies performed worse than they did in the six months prior, and, in the long term, breached companies underperformed the market.¹⁰ It's no wonder that 45% of chief risk officers are most concerned about cybersecurity.¹¹

Today, 85% of business buyers and 79% of consumers believe customer experience is as important as a company's products or services.¹²

Change brings technology complexity and challenges.

To meet customer demands, support new operating models, and effectively manage risk, more and different technologies are emerging and being adopted. Today, leaders are prioritizing technology that:

- **Increases productivity and efficiency** with automation that alleviates manual, and potentially error-prone, tasks
- **Supports new ways of working** with anywhere, anytime access to resources and collaboration
- **Differentiates offerings** to create — and maintain — revenue streams and increase value to customers
- **Leverages data** when and where it occurs to gain insights, inform better decision making and drive improved performance
- **Increases agility and flexibility** by balancing workloads between onsite and hybrid locations.
- **Mitigates risk** by increasing enterprise resiliency and minimizing vulnerability to cybersecurity threats

From establishing robust data management, to training AI models and securing global supply chains, the adoption of new technologies has introduced more complexity than ever for enterprises.

- New applications and environments have increased performance demands even as pressures to contain costs remain.
- The rapid increase in data, and the addition of accelerators on standard servers to improve workload performance, requires more power and cooling.
- The growing IT skills gap and talent shortage impacts the ability to rapidly deploy and support the ongoing management of new technologies.
- Cybersecurity concerns are the number one barrier to digital transformation.¹³

Digital transformation, innovation, and the adoption of new technologies do not simply impact how services are delivered and resources provisioned, they also drive the need to process data more cost-effectively and securely to maximize business value and deliver a return on investment.

¹⁰ Comparitech, [How data breaches affect stock market share prices](#), April 2021.

¹¹ PwC, [US Pulse Survey](#), 2020.

¹² Salesforce, [The State of the Connected Customer, Fourth Edition](#), 2020.

¹³ Dell Technologies [2020 Digital Transformation Index](#).

More than half of organizations identified talent shortage as the biggest barrier to the adoption of new technologies.¹⁴

Today's Business *Needs* More to *Do* More



Compute power



Support for modern workloads



Flexibility to align with an evolving business



Ability to scale as needed



Support for a dispersed enterprise, from edge to hybrid cloud



Automated and integrated management



Efficient power and cooling



Intrinsic security

Modern infrastructure goes beyond the status quo.

New and increasingly demanding business requirements call for servers that can deliver more than ever — from compute power to security to simplified, automated systems that don't sacrifice flexibility. The only way to meet these needs — and get where you want to go — is with modern infrastructure.

Modern infrastructure is:

- **Purpose-built for high performance** yet flexible to add new technologies without disruption
- **An investment today that supports you tomorrow** by reducing risk while accelerating complex data center workloads
- **Secure throughout the asset lifecycle** to increase resilience and ensure governance and compliance needs are met or exceeded

If the status quo won't get you there, what will?

The latest generation of Dell PowerEdge servers: Your innovation engine

Reimagined with 22 new servers and bolstered by 1,100 Dell-owned or -filed U.S. patents, the latest generation of PowerEdge servers are engineered to optimize technology advances for predictable profitable outcomes and the highest performance to date. Innovation-driven and use-case-optimized, the latest generation of PowerEdge servers demonstrate our commitment to continuous improvement, resulting in solutions that are optimized for scale, accelerators, storage and edge. Taking steps toward full infrastructure automation, designed with security as a priority, PowerEdge servers give you intelligent systems that work together and independently to enable rapid digital transformation.

Adaptive compute

PowerEdge servers address escalating compute demands with a platform engineered to optimize the latest technology advances across processor, memory, networking, storage and acceleration.

¹⁴ Gartner, 2021-2023 Emerging Technology Roadmap Survey, September 2021.

Aligned to your workload requirements

Our latest generation of servers delivers the right combination of technology and capabilities to address your unique compute and workload needs. They are performance-optimized to encompass a wide range of use cases from new workloads around cloud, IoT and AI/ML to more traditional workloads around big data and VDI. In addition, we've introduced ruggedized, short-depth servers designed specifically to meet the edge-centric requirements of telco and the military.

Innovations include:

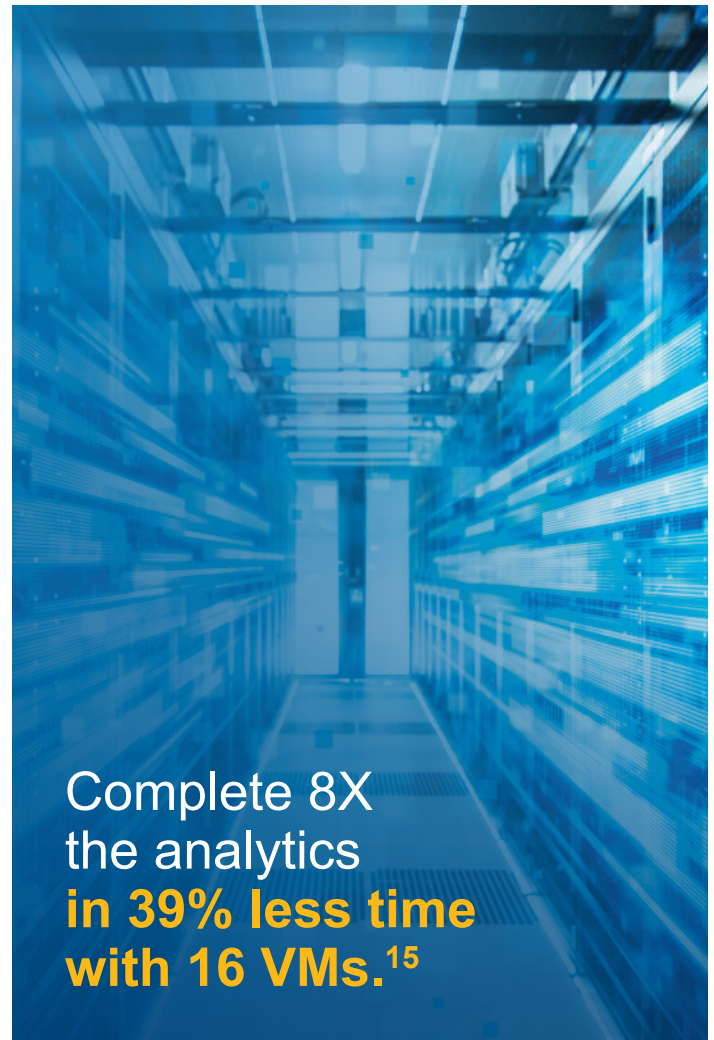
- Support 61% more virtual desktop users per server to reduce the number of servers you need to purchase, store and manage.
- Maximize throughput for AI/ML workloads by combining both data scale and concurrent calculation without compromising individual components.
- Complete 8X the analytics in 39% less time with 16 VMs.¹⁵
- Complete more analytics in 17% less time with 60% more VMs.¹⁶
- Deliver up to 15 times the input/output operations per second (IOPS).¹⁷

Acceleration for demanding workloads

Our newest servers support maximum performance for the entire spectrum of high performance computing (HPC), AI-ML/DL training and inferencing, DB analytics and VDI workloads while enabling better economics with breakthrough performance that achieve faster insights at a lower cost. With the current generation, a single server can now deliver the performance of six servers from prior generations. And, PowerEdge servers with accelerator-optimized GPUs give your applications a boost to securely accelerate workloads.

Optimized performance for today and tomorrow

From large neural networks to fast daily transactions, the latest generation of PowerEdge enables you to configure an innovative server infrastructure for today and easily scale it to prepare for tomorrow. New technology advancements are easy to add and reliably managed, giving you the ability to add new technologies without disruption as your business needs grow and change. We've worked closely with our partners to incorporate performance-improving innovations that include more powerful processors, faster memory and faster I/O.



Autonomous compute infrastructure

By providing world-class tools for integration, autonomous compute infrastructure helps you adapt to changing environments, enables rapid digital transformation, and positions you to grow, scale and evolve.

Automation

Newer PowerEdge servers include automation that frees IT to stop managing and start innovating with intelligent, autonomous systems that work on their own based upon user-defined guidelines and limits. In addition, Dell Technologies offers extensive capabilities that makes it easy to build automation into your organization.

¹⁵ Principled Technologies, June 2021, vs. a PowerEdge R730xd with 2 VMs, all it could handle with this workload.

¹⁶ Principled Technologies, vs. a PowerEdge R740xd with 10 VMs, all it could handle with this workload.

¹⁷ Principled Technologies, June 2021, Dell PowerEdge R650 servers vs. PowerEdge R640.

Dell OpenManage — Comprehensive Lifecycle Management in One Console

The OpenManage portfolio is the key to your innovation engine, unlocking the automation and tools that help you scale, manage and protect your technology. With the ability to rapidly discover, deploy, update and monitor PowerEdge servers, IT administrators can view and make changes to data center infrastructure simply and efficiently.

OpenManage empowers you to derive added value from your PowerEdge server investment, solve problems before they grow and drive new innovations to support emerging business objectives.

- **Simplify:** Reduce learning time with HTML5 GUI with an elastic search engine. It navigates to critical information and tasks more comfortably and quicker. The automatable processes, templates and policies can be created and edited through a simple menu-driven method.
- **Unify:** Manage up to 8,000 servers and monitor networking, storage and third-party devices.
- **Automate:** From discovery to retirement, activities can be managed in the same console. In minutes, devices can be deployed automatically with templates.
- **Secure:** Because security is always the top priority, OpenManage detects drift from a user-defined configuration template, alerts users, and remediates misconfigurations.

Through OpenManage, PowerEdge servers and systems management can deliver on average 85% time savings and eliminate dozens of steps with automation.¹⁸

Simplified, insightful management

Get the information you need at your fingertips with real-time telemetry that empowers you to enhance system performance and maximize asset utilization. By eliminating siloed operations, and providing full visibility across hybrid environments, our servers help streamline and improve management with one comprehensive platform.

Automatic certificate enrollment, auto discovery and automated firmware updates are just a few of the many features of our OpenManage systems management solutions. Integrated Dell Remote Access Controller (iDRAC) zero-touch deployment brings automated functionalities such as server discovery, installation and configuration, security settings, OS deployment and updates, freeing IT resources to focus on higher value activities.

Proactive resilience

PowerEdge servers embed trust into your digital transformation with an infrastructure and IT environment designed for secure interactions and the capability to anticipate potential threats. Our proactive resilience starts with the silicon design and permeates the system's lifecycle, from manufacturing, through the supply chain, and retirement — all from a single, trusted vendor.

End-to-end supply chain assurance

To mitigate against threats like counterfeit components, malware and firmware tampering, our comprehensive approach to supply chain security utilizes tools for counterfeit avoidance, manufacture chain of custody, code signing, chassis intrusion and tamper-evident packaging. Further, Secured Component Verification (SCV) extends supply chain security by verifying server component integrity, to deliver solutions you can trust.

Immutable, silicon-based root of trust

Proactive resilience is anchored by an immutable, silicon-based root of trust and enables security functions like end-to-end boot verification including UEFI Secure Boot Customization, trusted BIOS, firmware chain of trust, and verified OS bootloader. Firmware is protected using NIST guidelines including signed firmware updates and certificate management is simplified through automatic renewal.

¹⁸ Based on a Principled Technologies Report commissioned by Dell Technologies, Performing Common Systems Management Tasks with Dell EMC OpenManage Enterprise 3.5 vs Manual approaches, March 2021. Actual results may vary. Full report here: <http://facts.pt/v9flV4J>.



The latest advancements, your business advantage

The following are some of the innovations included in our newest servers.

Processor technologies from Intel and AMD

Optimizing the latest technologies from AMD and Intel, the latest generation of PowerEdge servers deliver the compute power needed for your most critical workloads and applications. Example advancements include:

- PowerEdge R6515, featuring 3rd Generation AMD EPYC™ processors, accelerates data processing capabilities by up to 60% in big data Hadoop databases⁴, speeding time to insights.
- PowerEdge R750, with the 3rd Generation Intel® Xeon® Scalable processors, deliver up to 43% greater performance in solving massively parallel linear equations⁵, supporting most computational-heavy workloads.

PCIe Generation 4.0

The latest generation of PowerEdge servers feature PCIe Gen 4.0 — doubling throughput performance over the previous generation — and up to six accelerators per server to support the most challenging, data-intensive workloads. These technologies, coupled with PowerEdge's autonomous intelligence, make this the most AI-enabled PowerEdge portfolio to date, enabling organizations to anticipate and more quickly respond to their needs.

Affordable expandability: XS servers

Purpose-built for dense, fast-growing scale-out solutions, the new Dell XS servers enable you to innovate at scale for challenging and emerging workloads. With compelling performance, highspeed memory and capacity, I/O bandwidth and storage to address data requirements, XS servers are ideal for virtualization/cloud, scale-out database, and HPC workloads.

Ruggedized servers: PowerEdge XR11 and XR12

Built to thrive in remote and harsh environments, the portfolio now includes the new PowerEdge XR11 and XR12 ruggedized servers that bring enterprise performance and security to a durable form factor. With a hardened chassis, minimal footprint and support for multiple accelerators, the Intel-based XR11 and XR12 short-depth servers are built for the growing demands of edge-based workloads.

Haven't Upgraded to the Latest Generation of PowerEdge Servers? Here's What You're Missing.

- Automation time savings of up to 85%¹⁸
- More than 5X the orders per minute of a VMware® vSAN™ cluster using R630¹⁹
- 83% reduction in Energy Intensity since 2013
- Up to 60% faster processing for Apache® Hadoop²⁰
- Speed provisioning by 90% and reduce path to production time by 82% with VMware Tanzu™²¹
- Powerful processors with up to 40 cores with Intel® and up to 64 cores with AMD®
- Faster memory with up to 3200MT/s
- Faster I/O with PCIe Gen4, gaining 2X the bandwidth as PCIe Gen3
- PowerEdge products now contain up to 35% recycled plastic

¹⁸ Based on a Principled Technologies Report commissioned by Dell Technologies, Dell EMC PowerEdge R650 servers running VMware vSphere 7.0 Update 2 can boost transactional database performance to help you become future ready, June 2021.

²⁰ Based on Dell analysis of the best TPCx-HS benchmark result for 17-node 3TB configurations of 21.52HSph on the TPCx-HS page as of March 3, 2021.

²¹ 2017 and 2018 Pivotal customer case studies. n=15. "Process Time" = hands on work (vs. "total time" being the time to deliver). Averages are exclusive of highest and lowest measures.

Accelerator-optimized platforms

Our latest accelerator-optimized servers deliver performance to help your business tackle the most data-intensive workloads.

- PowerEdge XE8545, a powerhouse for AI workloads, powers the latest Validated Designs for AI and Analytics, making it easier to run AI, analytics and advanced computing workloads on one system. The [PowerEdge XE8545](#) combines up to 128 cores of 3rd Generation AMD EPYC processors, four NVIDIA® A100 GPUs, and optimized performance of NVIDIA's vGPU software in a dual-socket, 4U rack server.
- PowerEdge R750xa, purpose-built to boost acceleration performance, delivers GPU-dense performance for ML training, inferencing and AI with support for the [NVIDIA AI Enterprise](#) software suite exclusively available for VMware vSphere® 7 Update 2. The dual-socket, 2U server is powered by the 3rd Generation Intel Xeon Scalable processors and supports up to four double-wide GPUs and six single-wide GPUs.

Energy-efficient power and cooling

To enable the increasing density required to power innovation, Dell Technologies tailored our latest server designs to address the cooling needs of today's denser data centers. With a uniquely designed chassis, the new servers feature ducted fans and adaptive cooling for more efficient power consumption that improves energy efficiency by up to 60% over the previous generation.

- Dell Multi-Vector Cooling 2.0, part of the Thermal Manage suite, is an advanced thermal design that streamlines airflow pathways, automatically directing airflow to the hottest part of the server for optimized cooling.
- Dell Direct Liquid Cooling (DLC) is a new option that leverages the superior thermal capacity of water to remove heat more efficiently.
- Dell Leak Sense detection, available on select servers, features a proprietary leak-sensing technology to find and resolve issues faster and is fully managed by iDRAC.

Retiring Existing Assets: The Best Value for Your Business and the Planet

Retiring assets to take advantage of the latest technology innovations doesn't have to be difficult. Dell Technologies helps securely and responsibly retire your old assets while protecting both your business and the planet. And if you do it when assets are at their maximum value, you'll transition to what's next with more money in your pocket.

Dell's strategic approach to sustainable infrastructure:



Energy efficiency

Making our technology more efficient and less intensive to reduce energy waste.



Thermal and cooling

Engineering new solutions to address the heat generated from these powerful machines. By reducing the heat, we can avoid energy wasted cooling the data center.



Infrastructure and consolidation

Making our products denser while simplifying storage data reduction to reduce our physical and carbon footprint in the data center.

Put the latest generation of PowerEdge servers to work faster with Dell Technologies Services.

Limited expertise and resources, time or staffing constraints and growing complexity can stall the deployment of the technologies you need to meet uptime expectations, address security risks and take advantage of best practices. You need the right services at the right time in the technology lifecycle to accelerate technology adoption and maximize productivity.

Dell Technologies Services ease the transition to the latest generation of PowerEdge servers by enabling the rapid adoption and optimization of digital technologies and the business-critical systems that support them — spanning from the edge to core to cloud.

Our services enable you to:

- Navigate the complexity of deploying new PowerEdge technology and accelerate delivery, integration and adoption with the ProDeploy Enterprise Suite or receive technology ready to install with configuration services.
- Experience consistent best-in-class support delivered across the globe and across your IT environment while significantly reducing IT effort with the ProSupport Enterprise Suite as well as Optional Support Services for Enterprise.
- Raise the bar on operations with new thinking about how IT can be consumed, governed and run most optimally through the insights and expertise provided by Consulting, Residency and Managed Services.

With time-tested capabilities, experts and technology, Dell Technologies Services help you realize true digital transformation with our latest offering, empowering you to achieve effective and efficient business outcomes.

- 68% faster time to deploy with ProDeploy for Enterprise²²
- 80% faster issue resolution with ProSupport Plus for Enterprise²³
- Save ~127 hours in unattended admin time when deploying 100 servers with PowerEdge configuration services.²⁴
- Improve technology performance by 50% with Residency Services.²⁵

Dell Technologies Services enable better, smarter, faster business.

²² Based on a September 2020 Principled Technologies test report commissioned by Dell Technologies. Full ProDeploy report found here: <http://facts.pt/JPIIWM>.

²³ Based on an August 2021 Principled Technologies Test Report commissioned by Dell Technologies. Full ProSupport Plus report found here: <http://facts.pt/JQmXKiG>.

²⁴ Based on a January 2021 Principled Technologies Test Report commissioned by Dell Technologies comparing in-house server configuration vs. Dell EMC PowerEdge Configuration Services for Dell EMC PowerEdge R740 servers. Results extrapolated to deployment of 100 servers. IT staff time to provide requirements not included. Actual results will vary. Full report: <http://facts.pt/SLkGCbE>.

²⁵ IDC InfoBrief, sponsored by Dell Technologies, The Value of Resident Engineers on your IT Transformation Journey, June 2020.

Expert Care, Precision and to Your Specifications — PowerEdge Configuration Services

With consistent services for all solutions available around the globe, Dell Technologies helps you maximize your investment throughout the technology lifecycle. If you prefer to have your IT team physically install servers, Dell PowerEdge configuration services can help you deploy large quantities of servers quickly, efficiently and right the first time.

- Save time and money when you receive PowerEdge servers ready to deploy.
- Scalable, repeatable, global with consistent results.
- Easily choose the service combination to fit your needs every time.

From system settings for PowerEdge, to services like custom asset tagging and reporting, customer provided system Image, and card placement modifications — we deliver your new servers with expert care, precision and to your specifications ready to deploy.



Leaders don't wait for the new normal; they create it with the latest generation of PowerEdge servers.

Today, business needs to move faster — and smarter — than ever. Yesterday's technology won't get you where you need to be tomorrow. That's why now is the time to leverage the advancements in the latest generation of PowerEdge servers to power your innovation engine.

- **Power efficiency and infrastructure consolidation** enable you to move faster and perform better with lower total cost of ownership.
- **Support for new and emerging use cases and workloads** maximizes your ability to rapidly adopt to new market and organizational dynamics (AI/ML/DL, data analytics, VDI and more).
- **Modernize applications** to meet dynamic internal and external needs from the data center to the edge and in hybrid environments.
- **Confidently secure and protect your business assets** with industry-leading end-to-end supply chain security and silicon root of trust.
- **Simplify management and tame IT complexity** with intuitive tools that work together to automate and streamline processes so you can accomplish more.

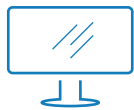
To be ready to meet the opportunities of our data-centric future, you need a partner who can help you reimagine IT as your essential engine to innovation. With Dell Technologies, you get an ally relentlessly focused on creating the integrated solutions that help you turn data into insights and action. Flexibly, responsibly, reliably and securely.

At Dell Technologies, we never stop pushing for better. We're always working to innovate, to improve and to advance. Because progress happens when you relentlessly push through every challenge — and constantly move onto the next one.



Discover how you can power
your innovation engine with
**the latest generation of
Dell PowerEdge servers.**

Visit <https://www.delltechnologies.com/servers> or [contact](#) your Dell Technologies representative.



[Learn more](#) about Dell
PowerEdge solutions



[Contact](#) a Dell
Technologies Expert



[View more](#)
resources



Join the conversation
with [#PowerEdge](#)

© 2022 Dell Inc. or its subsidiaries. All Rights Reserved. Dell and other trademarks are trademarks of Dell Inc. or its subsidiaries. VMware® is a registered trademark or trademark of VMware, Inc. in the United States and other jurisdictions. Apache® and Hadoop® are trademarks of the Apache Software Foundation or its subsidiaries in Canada, the United States, and/or other countries. AMD® and EPYC™ are trademarks of Advanced Micro Devices, Inc. Intel® and Xeon® are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries. NVIDIA® is a trademark and/or registered trademark of NVIDIA Corporation in the U.S. and other countries. Other trademarks may be the property of their respective owners. Published in the USA 02/22 Technical paper

Dell Technologies believes the information in this document is accurate as of its publication date. The information is subject to change without notice.