



Advance Life Sciences Digital Transformation

Accelerate the development and delivery of new products and treatments with VMware

“VMware helps us be a productive and efficient company. If we can save just one day, we may be able to save more lives.”

Stéphane Bancel
CEO
Moderna

Transform Life Sciences with a Digital Platform by VMware

- **Accelerate discovery and development** – Operate a flexible, multi-cloud platform across all apps and clouds to facilitate next-generation R&D, clinical trials and real-world evidence.
- **Support a distributed workforce and modern talent pool** – Enable seamless access to critical apps, data and collaboration from any device or location.
- **Decentralize clinical trials** – Leverage modern application architecture and cloud native services to improve patient access and experience.
- **Capture real-world evidence** – Enable continuous data collection and analysis across distributed environments.

The demand for life sciences and pharmaceutical innovations has been front and center the past year, accelerating the need for innovation across the industry. A newly distributed workforce, evolving security threats, and a connected consumer environment have transformed daily operations. And the expanded use of telehealth has introduced new levels of patient recruitment, consults, and tracking in real time.

Life sciences organizations need a secure, digital-first strategy that can address all their needs, from R&D and treatment testing to patient communications. With an agile, software-based approach to solving complex problems, life sciences organizations can rapidly pivot priorities and accelerate innovation when necessary.

Innovating in a changed world

Yesterday's IT architectures are no match for today's business and clinical realities. To advance innovation, life sciences organizations need modular, multi-cloud IT architectures that support the development and delivery of modern apps and digital services. VMware's digital-first, cloud-first infrastructure supports any application, any cloud and any device, giving life sciences organizations an end-to-end digital platform from which they can transform R&D, tap into world-class talent from anywhere, improve patient experiences and outcomes, and uncover advancements at breakneck speed.

Modernize research and development

VMware enables life sciences organizations to accelerate the discovery, development and testing of treatments through a digital foundation that connects researchers, patients and data across any app, any device and any cloud. VMware multi-cloud solutions operate consistently across public and private clouds, providing the environment needed to support modern R&D operating models, reach new patient populations, and enable researchers to react to real-world evidence.

“As a major pharmaceutical company, we hold a lot of vital data, whether it’s R&D efforts, drug formulations or patient prescriptions. Thanks to Omega Exim and VMware, we’re confident that our data will be kept safe.”

MD Tareq Hasan
Head of IT
Aristopharma

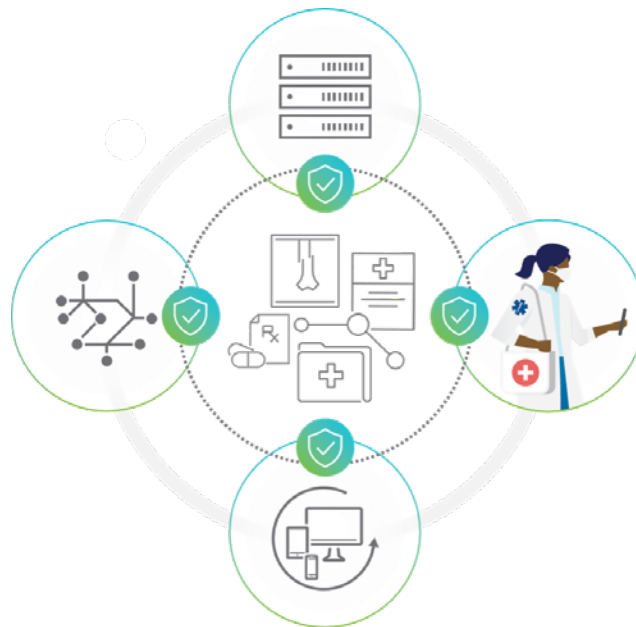
Deliver Breakthroughs with Key VMware Solutions

- **Cloud native app platform and multi-cloud infrastructure** – Redefine the foundation of IT to power every application on any cloud.
- **Cloud management** – Monitor and manage app performance and cost across different clouds.
- **Anywhere workspace** – Give employees frictionless access to enterprise apps and resources from any location and device, without compromising security.
- **Secure edge** – Deploy and manage edge-native apps and services.
- **Security and networking** – Connect users, apps, devices and data, and gain visibility into all endpoints to achieve Zero Trust security across the entire IT estate.

Take advantage of an end-to-end multi-cloud platform optimized for modern apps, DevSecOps, AI, machine learning, and data-intensive workloads. Automate IT operations across heterogeneous cloud environments to increase efficiency, improve service delivery and reduce risk.

Connect patients and an anywhere workforce

The patient experience has shifted. Expanded virtual care now connects researchers and patients, dislodging traditional barriers and reaching new demographics. These changes have enabled diverse clinical trials that provide real-world evidence through IoT devices at the edge. Multi-cloud solutions and modern applications ensure that organizations have the power and agility to handle it all.



Additionally, a new distributed workforce demands a collaborative, remote environment. A recent Forrester Consulting survey commissioned by VMware found that 73 percent of IT decision-makers listed an integrated workforce solution as either a high or critical priority.¹ Attracting the best and brightest means providing seamless and consistent access to critical apps and data while simultaneously supporting employee flexibility and fostering colleague connection.

VMware can help organizations establish an anywhere workplace and digital clinical environment that supports patient-centered care, deepens engagement, empowers employees and improves patient outcomes.

Protect intellectual property and health information

Patient data is under perpetual attack. A recent VMware study placed the count at 816 attempts per endpoint in healthcare organizations.² VMware networking and security solutions architect Zero Trust security into infrastructure and operations for comprehensive visibility and workload security across the entire IT environment. Organizations benefit from a cloud native endpoint security solution that provides insight and automated response to threats across users, devices, networks and workloads. By leveraging VMware's unique expertise in infrastructure that embeds security into every layer of IT, researchers and clinical teams can protect data and workloads at scale across any environment.

Why VMware?

Fast-paced innovation requires a digital foundation that can power high-performance computing, connect data, researchers and patients, protect an anywhere workforce, and safeguard all data. Learn how your organization can accelerate the development and delivery of life sciences products and cutting-edge treatments using a VMware digital foundation tailored for pharmaceutical and life sciences organizations.

For more information, visit [VMware Life Sciences Solutions](#) or contact your VMware representative.

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1. "Hindsight Is 2020 – The Pandemic Provides A Wake-Up Call: Integrated Solutions Future-Proof Organizations." January 2021. (A commissioned study conducted by Forrester Consulting on behalf of VMware)
 2. VMware Carbon Black. "Healthcare in Crisis: A Look Back at 2020." February 2021.