

Accelerate Healthcare App Development with **AstroFarm**

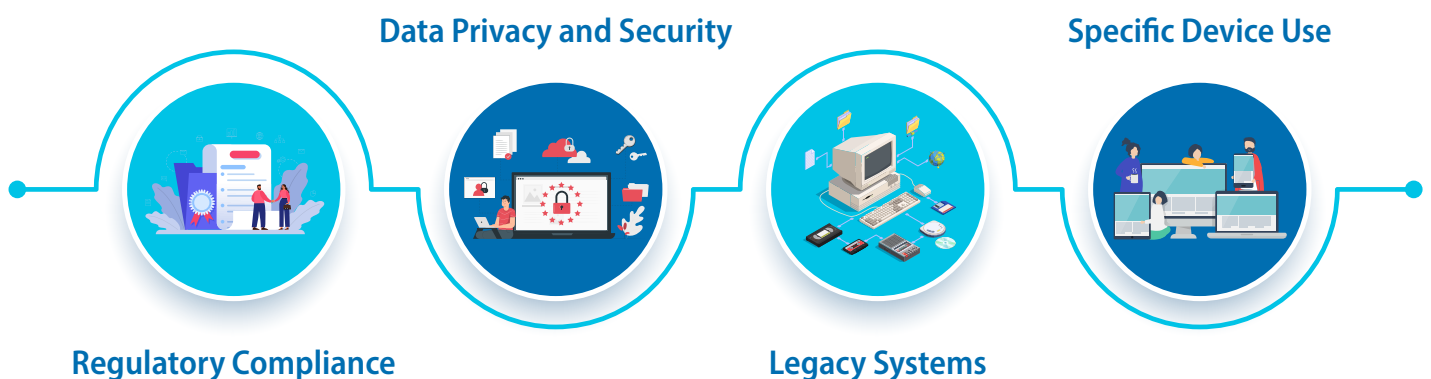


The Healthcare Industry: An Overview.

As 2023 progresses, the healthcare sector's importance remains undisputed. According to [Investopedia](#), it is one of the largest and most complex in the world, accounting for 18% of the gross domestic product (GDP) in 2020 in the US. Due to the pandemic, healthcare organizations have had to reconsider their digital strategies and create new solutions that facilitate virtual healthcare delivery. Personalized care and digital health solutions are building at an impressive rate, with telemedicine seeing an increase of 613% and healthcare and fitness apps seeing an increase of 125%. The healthcare industry is proactively capitalizing on advanced technologies, ranging from AI-powered solutions to digital ecosystems, to achieve their full potential.

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Challenges for Testers and Developers in this sector



Regulatory Compliance

The healthcare industry is one of the most regulated industries globally, with numerous regulations and standards to adhere to. HIPAA regulations, for instance, require healthcare organizations to safeguard patients' private information. Failing to comply with these regulations and standards can result in severe consequences, including hefty fines and loss of reputation.

Data Privacy and Security

Healthcare organizations handle sensitive patient information and any unauthorized access during app testing will lead to a breach of confidentiality. According to [Insider Intelligence](#), healthcare organizations worldwide experienced an average of 1,463 cyberattacks per week in 2022, a 74% increase from 2021. It is imperative healthcare organizations ensure that their applications are secure and that patient data is encrypted to prevent unauthorized access.

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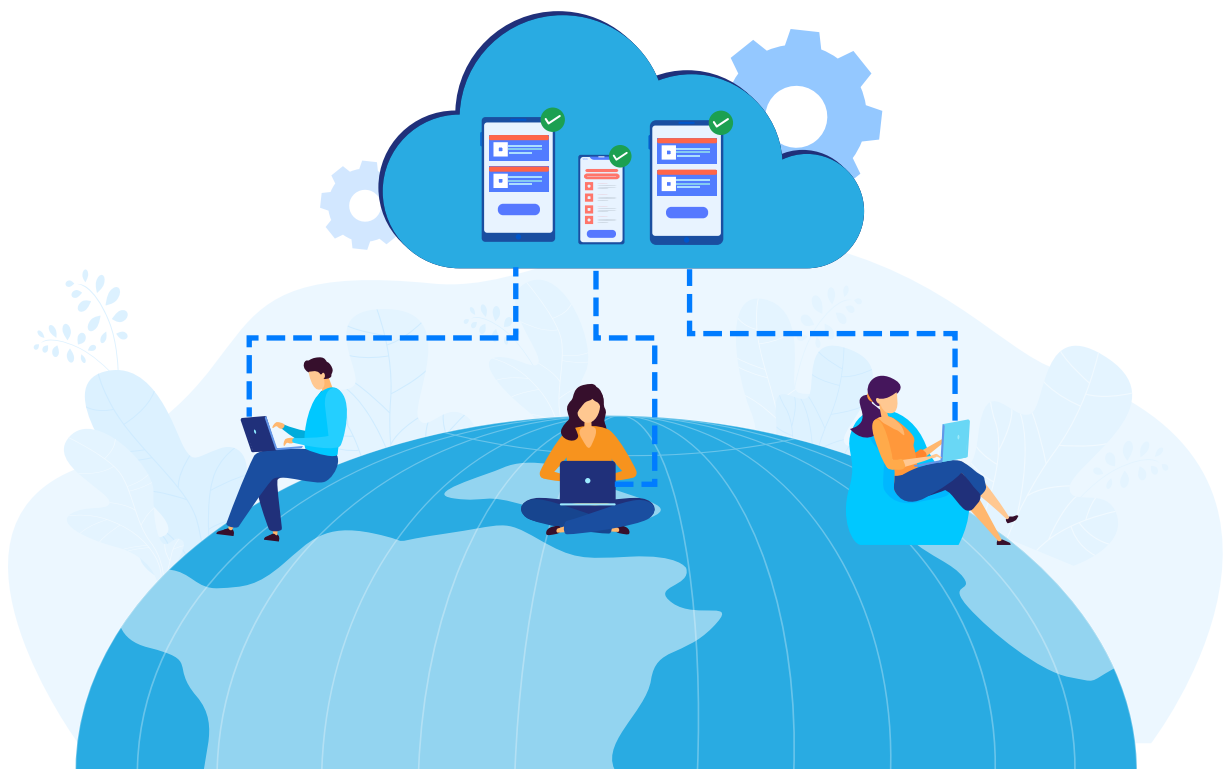
Legacy Systems

The healthcare industry is known for having some of the oldest and most outdated technology systems. This makes it challenging for healthcare providers to modernize their operations. Application testing is critical in ensuring that newer systems can integrate seamlessly with legacy systems, reducing the risk of downtime and ensuring continuity of operations.

Specific Device Use

Healthcare organizations tend to use a particular group of devices that are limited to their own organization. As they usually have multiple branches across the globe, these devices have to be transported to the service location for device-related issues. Testers also may find it challenging to test on devices due to shortage/unavailability of devices in that particular location.

AstroFarm: The Ideal Fit for App Testing in the Healthcare Sector



AstroFarm, a private device farm solution, can be very effective for healthcare organizations that have a geographically dispersed system.

AstroFarm allows you to leverage devices that your organization owns, optimize their usage, and enhance team productivity by providing device access across different geographical locations. Testers, QA, and DevOps can easily log into the AstroFarm console, select a device and start testing without any time restrictions. Besides unlimited device access, there are several reasons why AstroFarm is an ideal fit for your organization.



Developed for Remote and Hybrid Teams

AstroFarm can be built remotely without having to be physically present at a location. Company devices can be added to the cloud via a USB hub, and team members in different locations can also add their own devices with their local machines. This ensures that other members in the testing team can access them whenever necessary.

AstroFarm can be built remotely without having to be physically present at a location.

All Data is Secure

The available devices in AstroFarm are either company-owned devices or devices contributed by employees. Access to these devices is restricted to the team, significantly minimizing the possibility of external data breaches. AstroFarm complies to all global standards of security including SOC Type 2 and ISO 270001. In terms of privacy, it is compliant with GDPR, Cyber Essentials, and CCPA. Personally Identifiable Information (PII) such as the username and password are encrypted and protected.



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Support for Various OS and Models

AstroFarm is the ideal solution for organizations that need to test their apps on a particular set of devices. AstroFarm supports Android (Android 4.0) and iOS/iPadOS devices. Easily enroll mobile devices, tablets, rugged devices, and even the currently popular wearables for testing and detecting device health and performance in real time during a test execution.

Enroll mobile devices, tablets, rugged devices, and even the currently popular wearables for testing.

Effective Device Management

AstroFarm's admins can assign devices to specific user groups with the [group device feature](#), facilitating seamless collaboration and streamlined device management. This feature enables admins to select a group of people to work with, establish a device pool for them to share, and enforce efficient user management. Additionally, admins can ensure that the testing environment remains organized and secure by setting up roles and access levels for each user.



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Remote Support

In case of any device-related issues, one team can enroll the devices in AstroFarm, and testers can remotely access and debug these devices. This approach can help reduce the expenses related to device transportation or onsite visits, leading to quicker issue resolution and improved device efficiency.

Reduce the expenses related to device transportation or onsite visits.

Shift to Sustainability

By adopting a **reuse and reduce** approach, organizations can minimize e-waste by adding devices to AstroFarm and withdrawing them when necessary, thus ensuring continuous device flow and optimal usage. AstroFarm's device logs and performance view can help monitor device health and identify the need for timely device repair or withdrawal, contributing to a sustainable and efficient device management system.



Contribute to a sustainable and efficient device management system.



Maximize Device ROI and Employee Productivity

AstroFarm boosts device utilization, resulting in a more than **60% increase in return on investment (ROI)**. Using AstroFarm's cloud hosting that helps share existing devices with your distributed teams, devices are instantly available to distributed teams and tests can be conducted on devices without interruptions and time constraints.

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In conclusion, AstroFarm by 42Gears is a comprehensive and flexible solution for healthcare organizations to securely test their applications on devices, streamline device management, and improve release cycles. By enhancing operational efficiency and reducing costs, AstroFarm ultimately enables healthcare organizations to improve patient care.

Get in touch and start your free trial today!

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