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iland Secure Cloud
for Healthcare

iland Secure Cloud for Healthcare enables providers to modernize their IT environments in a HIPAA/HITECH-compliance cloud designed for data privacy, security, and protection.

Secure Cloud for Healthcare includes enterprise-class technology, multi-layered security, built-in data protection, as well as planning, migration, and premium support services. In addition, as healthcare providers begin to take advantage of the cloud, iland employs an experienced compliance team ready to consult on industry and geographic practices including the technical details regulations require. This combination of technology, services, and experience enables healthcare providers to improve their overall quality of care while reducing the cost of operations.

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Healthcare IT moves to the cloud.

For years, healthcare providers have been working to manage the cost and operational impact of a growing population and the resulting increase in patient data.

At the same time, the demand for real-time access to complete patient records, the need to adhere to new regulatory and compliance requirements, and the need to secure and protect patient data from cybersecurity threats, has forced administrators to continually adapt to changing conditions. These changes include the ongoing deployment of new technology to support growth and new regulations, maintenance of existing systems, and the effort and time-intensive decommissioning and disposal of legacy systems due to obsolescence.

19.7%
EXPECTED ANNUAL GROWTH

It is for these reasons that cloud computing has become the focus for many healthcare providers and payers. Cloud provides immediate cost advantages over traditional, on-premises solutions given the scale and pay-per-use efficiency. In fact, based on research from Research and Markets, the global healthcare cloud computing market is expected to reach $92.24 billion by 2027, growing at 19.7% annually.

Beyond the cost advantages, the flexibility inherent in cloud computing is also driving adoption. This is due to the changing nature of the healthcare environment, and the need to adapt quickly. Examples include the proliferation of new payment systems, the acceptance of electronic health records (EHRs), and the availability of new access programs such as the Affordable Care Act. The agility possible with cloud provides advantages as requirements change.

"For healthcare IT organizations, public cloud and hybrid IT infrastructure offer a way to deploy, manage, and refresh IT with an eye to increasing operational efficiencies,"

Lynne A. Dunbrack, group vice president, IDC Health Insights.

But while the cloud may appear to be the obvious choice to provide the needed efficiency in a growing market, "general purpose" cloud providers may not be suitable given the importance of data security, privacy, and protection. In addition, many providers look to the vendors for help in making the transformation a reality, because their current staff often have little to no experience with the cloud.

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Modernizing healthcare for efficiency and protection.

iland Secure Cloud for Healthcare was built to provide healthcare payers and providers with a specialized cloud service focused on ensuring sensitive patient data is secure and protected, yet available when it is needed most.

Leveraging a VMware-based foundation and enterprise-class security providers such as Trend Micro, iland Secure Cloud for Healthcare users benefit from predictable performance and availability, and continuous security and data protection of patient records. In addition, iland Secure Cloud for Healthcare provides cloud planning, migration, and premium support to reduce risk during the transformation process.

Security and compliance in the cloud.

One of the critical responsibilities of healthcare providers today is maintaining the security of protected health information (PHI).

Security mandates that require regulatory frameworks like the Health Insurance Portability and Accountability Act (HIPAA) and Health Information Technology for Economic and Clinical Health Act (HITECH) have been implemented to safeguard PHI. To ensure these regulations are adhered to, iland follows strict guidelines and protocols when it comes to data protection for PHI and non-PHI data.

This is done through a combination of proven technology and process, as well as employing a dedicated compliance team to give providers the additional expertise they may need to comply with regional data residency requirements. Ultimately, iland's goal is the same as the customer: Ensure PHI remains secure.

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Use Cases

Electronic Medical Record system hosting:

Designed for performance and security, iland Secure Cloud for Healthcare enables payers and providers to run their virtualized (VMware-based) mission-critical medical systems in a cloud that can be tailored to meet individual organization requirements, including public, private, and hybrid options. In addition, for non-virtualized systems, iland Secure Cloud for Healthcare can provide colocation and/or connectivity support to help providers modernize their IT infrastructure, while preserving existing investments.

Electronic Health Records (EHR) active archive:

Healthcare providers using iland Secure Cloud for Healthcare to store their EHR or backups offsite can quickly improve access to patient data, improve security, and reduce the cost of legacy system hardware, software, maintenance, and management.

Hybrid healthcare IT:

Healthcare providers can expedite their digital transformation by embracing iland Secure Cloud for Healthcare to off-load portions of their existing IT environment. Provider organizations, such as clinics and hospitals, can maintain on-premises infrastructure for necessary applications, but leverage iland Secure Cloud for Healthcare in a hybrid strategy to run systems needing improved scale, flexibility, cost-efficiency, or accessibility to distributed sites.

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Features and Benefits

Security and protection:

Multi-layered security and data protection, including built-in backup, to ensure protection of PHI.

Compliance:

Dedicated compliance team available for geographic and regional-based data residency consultation, and strict adherence to compliance framework for Health Insurance Portability and Accountability Act (HIPAA) and Health Information Technology for Economic and Clinical Health Act (HITECH)

Proven technology:

VMware, Cisco, and HPE-based infrastructure for performance, availability, and security. These are technologies that many healthcare companies already trust to protect their data, and iland continues to utilize their terminology and methods to make iland a familiar environment to manage. iland also manages the environment up to the hypervisor level to reduce the cost of system management and maintenance.

Transformation services:

Included professional services for planning, design, onboarding, deployment, and premium support to ensure reduced cost and risk of Healthcare Cloud transformation.

Standard cloud benefits:

Pay per use consumption for efficiency, flexible infrastructure for agility and scale, and global access and availability to improve patient care.

Protect business.
Power innovation.

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