# Reliable, Scalable Infrastructure for Healthcare Providers with Pextra CloudEnvironment®

### Power Your Hospital Systems, Patient Care, and Healthcare Applications

Hospitals, health systems, and specialty clinics rely on IT to deliver care — from electronic health records (EHR) to imaging, telehealth, and operational systems. But legacy infrastructure can't keep up with today's demands for performance, security, and scalability.

**Pextra CloudEnvironment® delivers a modern, secure private cloud platform built for healthcare**, combining compute, storage, and networking into one simplified solution.

## Why Choose Pextra®?

### Scalable Compute for Clinical and Administrative Systems

Run EHR platforms, telemedicine applications, and critical healthcare workloads on Pextra's distributed, fault-tolerant compute infrastructure — with built-in clustering, backups, and high availability..

### Secure Storage for Health Data and Medical Images

Safely store patient data, radiology images, and research datasets with high-performance storage designed for healthcare environments.

### Advanced Networking for Secure, Multi-Site Connectivity

Segment workloads, isolate sensitive systems, and interconnect hospitals, clinics, and remote sites securely with Pextra's programmable networking stack.

### Built-In Security for Compliance and Peace of Mind

Support healthcare data privacy requirements like HIPAA and HITECH with integrated access controls, audit trails, and robust tenant isolation.

### Fast Deployment, Simplified Management

Pextra installs quickly on your existing hardware, with an intuitive interface for day-to-day operations and rich APIs for integration with existing systems.

## Pextra For Healthcare

Modern healthcare demands reliable, secure infrastructure — Pextra simplifies it, so you can focus on patient outcomes.

Wherever you're building the future of mobility — Pextra gets you there, faster.

"Leading healthcare organizations will use EMR and cloud technology to streamline data management, reduce operational costs, and enhance patient satisfaction with secure, accessible, and efficient healthcare solutions."

- Acceture

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**Simplify Global IT Operations**

**Reduce Costs and Avoid Vendor Lock-in**

**Scale with Confidence across R&D, Production, and Services**

**Stay secure and compliant**

Pextra CloudEnvironment® is a next-generation private cloud platform that integrates compute, storage, networking, and security into one easy-to-manage, scalable solution. Our software-defined infrastructure is designed to simplify operations, reduce costs, and give organizations full control over their infrastructure, without suffering from vendor lock-in.

## Software-Defined Private Cloud

Built for modern workloads, Pextra delivers scalable compute, reliable storage, advanced networking, and enterprise-grade security — all running on your hardware of choice. Our architecture eliminates silos and complexity, making it easy to deploy and manage infrastructure for demanding applications.

## Simple, Unified Management

Everything in your private cloud is managed through an intuitive web interface and CLI, with rich API integrations available for automation and custom workflows. Deploy, monitor, and scale your environment without the overhead of legacy systems.

## High-Performance Storage

Pextra provides fast, reliable storage through cluster-wide abstractions, delivering high I/O performance for databases, file shares, media workloads, and more. Storage is configured on a per-cluster basis to simplify operations while maximizing efficiency.

## Advanced, Secure Networking

Our platform features a programmable, high-throughput networking stack built on Open vSwitch, with integrated L4 firewalls and workload isolation. Easily connect datacenters, secure internal traffic, and segment applications with confidence.

## Enterprise-Grade Security & Compliance

Pextra is built with security in mind — supporting multi-tenant deployments, role-based access controls (RBAC/ABAC), secure audit logging, and policy enforcement. Our platform is designed to meet industry security standards and help organizations stay compliant.

## AI-Ready & Hardware Flexible

Whether running AI training, virtual machines, or critical applications, Pextra's distributed design supports GPU passthrough and hardware paravirtualization — giving teams full control over their infrastructure performance.

## Minimal Vendor Lock-In

Pextra is built on open-source technologies, ensuring transparency, flexibility, and freedom to adapt. Migrate workloads, scale infrastructure, or integrate with your preferred tools — without proprietary constraints.

# Ready to Get Started With Pextra?

To learn more about how Pextra can drive your private cloud infrastructure, visit www.pextra.cloud/cloudenvironment/, or contact our sales team at sales@pextra.cloud. To get a free evaluation license, visit our website and click on Get Started.

# pextra