

# Create, Collaborate, and Deliver with Pextra CloudEnvironment®

## Modern Infrastructure for Media & Entertainment

In the media and entertainment world, speed is everything. Whether it's post-production, live streaming, digital publishing, or content creation — your infrastructure needs to keep up with creative teams, growing data demands, and audience expectations.

**Pextra CloudEnvironment® simplifies private cloud management for media organizations**, providing scalable compute, high-performance storage, and secure networking — all designed to accelerate content production, collaboration, and delivery.

## Why Leading Media Teams Choose Pextra®?

### High-Performance Compute for Creative Workflows

Run rendering workloads, editing suites, and production applications on scalable, distributed compute infrastructure that expands as project demands grow.

### Fast, Reliable Storage for Media Assets

Pextra's cluster-based storage delivers high-speed, dependable access to large video files, graphics, and project data — ideal for creative teams working across locations.

### Secure Networking for Global Collaboration

Interconnect studios, remote teams, and distribution sites with secure, programmable networking. Isolate workloads, manage access, and protect your creative IP.

### Streamline Your Production Pipeline

Pextra simplifies infrastructure deployment and management, reducing delays in post-production, editorial processes, and digital delivery timelines.

### Scale Digital Services Without Complexity

Support streaming platforms, interactive experiences, or content archives with reliable, scalable infrastructure — no specialized IT expertise required.

### No Lock-In, Full Creative Control

Avoid expensive, restrictive platforms. Pextra's open, flexible architecture gives your team freedom to scale, adapt, and evolve without vendor limitations.   
ced storage and high-throughput networking.

## Pextra For Media & Entertainment

From studios to streaming platforms — Pextra CloudEnvironment® keeps your content moving, your teams connected, and your infrastructure out of the way.

"Almost overnight, broadcasters' successes with remote production and cloud-based video distribution tipped the industry off the indecision fence, making a return to precloud 'business as usual' highly unlikely, and firmly establishing this latest technology trend in the M&E industry."

- Deloitte

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"M&E customers have an increasingly low tolerance for interruption and increasingly high expectations for more and richer content, pressuring providers to deliver high quality content more quickly to customers around the globe. To get content to customers faster organizations are adopting a hybrid approach - 88% of M&E companies are deploying streaming workloads at the edge closer to the end user (e.g., via edge platforms and/or CDNs), 75% are deploying on a private cloud, and 60% are deploying on public cloud. Adopters leverage cloud for a variety of generic and industryspecific workloads - from fundamentals like storage (57%) to content piracy protection (52%), billing and subscription management (52%), performance analysis (50%), personalization (45%), and more."

- Forrester



**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.

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## Ready to Get Started With Pextra?

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



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