

Private Cloud for the Automotive Industry

The automotive sector is transforming fast. Between electric vehicles, connected cars, autonomous driving, and the push for smarter manufacturing, IT teams are under pressure to modernize their infrastructure. You need to deliver speed, security, and flexibility without adding complexity or cost.

Why Choose Pextra®?

Accelerate Time-to-Market



Launch new digital services, connected platforms, or factory systems faster. Pextra installs on almost any server in less than an hour, with intuitive management that reduces deployment cycles.



Smarter Infrastructure for Smart Manufacturing

Support high-performance applications, IoT workloads, and real-time data pipelines handling millions of events per second at production facilities and distribution hubs. With a geo-distributed design, everything keeps running, even when demands scale.



Security That Keeps Up with You

Protect your intellectual property, vehicle data, and supply chain systems with enterprise-grade security. Built-in multi-tenant controls, audit logging, and policy enforcement give you confidence at every step.



Cost-Effective Alternative to VMware

With Broadcom's changes reshaping the private cloud market, Pextra provides a modern, scalable replacement for legacy virtualization platforms — without the heavy price tag, complexity, or vendor lock-in.



Performance Ready for the Road Ahead

Whether it's simulation environments, connected services, or factory floor automation, Pextra delivers the performance you need, backed by advanced storage and high-throughput networking.

"Ultimately, large amounts of real-time and non-real-time data may need to be managed across vehicles, the edge infrastructure, and the cloud to enable advanced use cases."

- McKinsey

Pextra For Auto Manufacturers

Pextra CloudEnvironment® is built to support the new era of mobility. Our platform simplifies how automotive companies deploy and manage private cloud infrastructure across global operations — from R&D centers to production lines to connected vehicle services.

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

"As cars become tech products, automotive and technology companies must prepare to partner with each other across industries and regions to unlock the benefits of scale and speed-up the transition to software-defined vehicles."

- BCG



**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](#).



www.pextra.cloud | sales@pextra.cloud

1207 Delaware Ave #1212 Wilmington, Delaware 19806

Copyright © 2025 Pextra Inc. All rights reserved. Pextra, the Pextra logo, and all product and service names mentioned herein are registered trademarks or trademarks of Pextra Inc. and its subsidiaries in the United States and other jurisdictions. All other marks and names mentioned herein are for identification purposes only and may be trademarks of their respective companies.