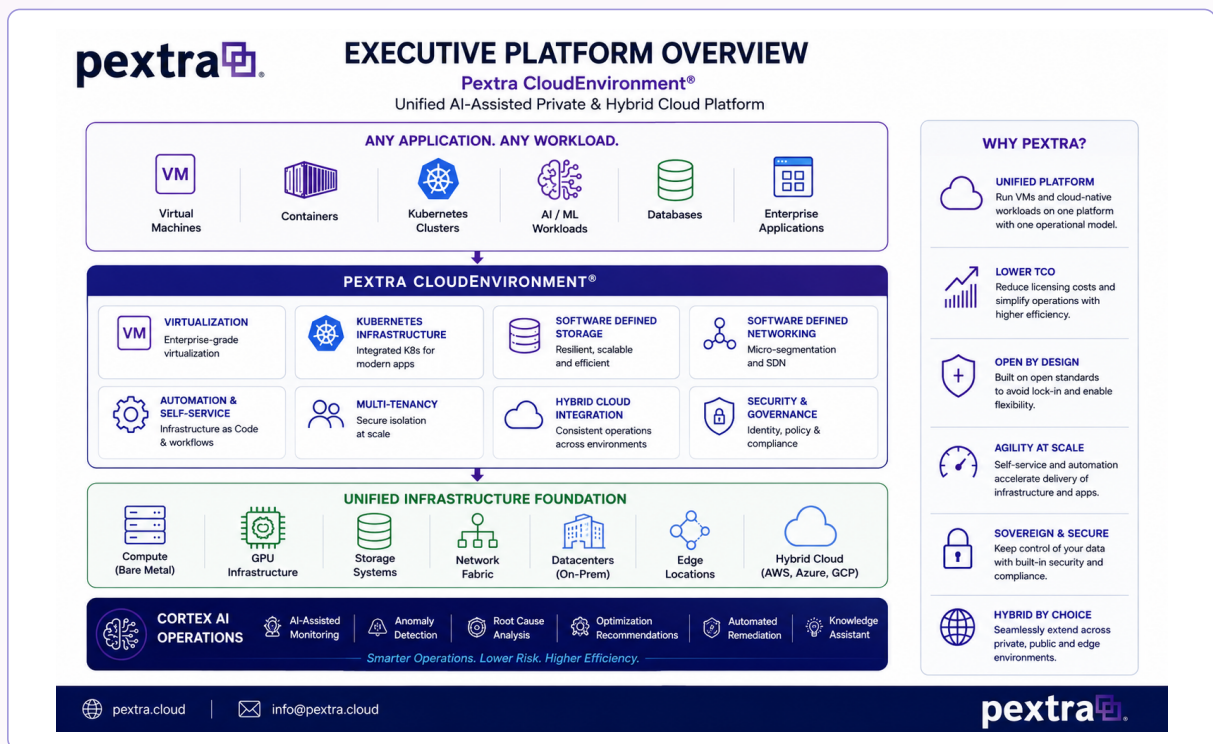




ARCHITECTURAL OVERVIEW

Pextra CloudEnvironment®

Unified Enterprise Cloud Platform for Virtualization, Kubernetes, and AI Operations



Unified Platform
VM, Kubernetes, storage,
and networking in one stack

AI-Assisted Operations
Telemetry-driven insights
and operational acceleration

Open Architecture
Standards-based integration
without lock-in

Executive Summary

Enterprise infrastructure is undergoing its most significant transformation in over a decade. Organizations are simultaneously modernizing virtualization platforms, adopting Kubernetes, enabling AI initiatives, and addressing increasing governance and sovereignty requirements.

Pextra CloudEnvironment provides a unified cloud operating platform that integrates virtualization, Kubernetes, storage, networking, automation, and AI-assisted operations under a single control plane.

Business Outcome: Reduce operational complexity, accelerate platform delivery, and establish a consistent operating model across private, hybrid, sovereign, and AI-enabled infrastructure environments.

Lower Cost	Faster Delivery	Sovereign Control
Platform consolidation	Unified operations	Data residency
Reduced operational overhead	Automation and self-service	Policy-driven governance
Infrastructure efficiency	Accelerated modernization	Operational independence

One Platform. One Control Plane. One Operational Model.

Virtualization • Kubernetes • Storage • Networking • AI Operations

<https://pextra.cloud>

Executive Roadmap

Enterprise infrastructure is undergoing a fundamental transformation. This overview explains the forces driving change, the platform capabilities required to respond, and the outcomes organizations can achieve through a unified cloud operating model.

Why Change?

VMware Modernization	Cloud-Native Adoption	AI Infrastructure	Data Sovereignty & Compliance
---------------------------------	----------------------------------	------------------------------	--



Why Pextra?

Unified Infrastructure	Cortex AI	Open Architecture	Security & Governance
-----------------------------------	----------------------	------------------------------	--------------------------------------



What Outcomes?

Operational Excellence	Deployment Flexibility	Business Value	Reference Architecture
-----------------------------------	-----------------------------------	---------------------------	-----------------------------------

From Infrastructure Complexity to Intelligent Cloud Operations

Modernize • Consolidate • Automate

Strategic Platform Pillars

Three foundational principles define the Pextra CloudEnvironment architecture. Together they provide a unified operating model for modern enterprise infrastructure.

Platform Pillar 1 — Unified Infrastructure

One platform for modern infrastructure operations.

Pextra CloudEnvironment consolidates virtualization, Kubernetes, storage, networking, and automation into a unified operating model, reducing platform sprawl and simplifying lifecycle management.

Virtual Machines • Kubernetes • Storage • Networking

Platform Pillar 2 — Cortex AI

Operational intelligence built into the platform.

Pextra Cortex continuously analyzes telemetry, events, logs, metrics, and platform activity to accelerate troubleshooting, optimize resource utilization, and improve operational efficiency.

Observe → Analyze → Recommend → Remediate

Platform Pillar 3 — Open Architecture

Built on standards, designed for flexibility.

Pextra embraces open technologies, open APIs, and ecosystem integration to support hybrid cloud strategies while minimizing vendor lock-in.

API-First • Standards-Based • No Lock-In

Three Pillars. One Unified Platform.

Unified Infrastructure • Cortex AI • Open Architecture

Why Pextra

Beyond Infrastructure Replacement

Many organizations are approaching infrastructure modernization as more than a hypervisor replacement exercise. The challenge is not simply migrating virtual machines, but creating a unified operating model that supports virtualization, Kubernetes, AI workloads, automation, and sovereign cloud requirements.

Pextra CloudEnvironment delivers a single platform that consolidates these capabilities under one control plane, reducing complexity while accelerating modernization initiatives.

How Pextra Differs

Challenge	Traditional Infrastructure	Pextra CloudEnvironment
Virtualization	Separate virtualization platform managed independently	Integrated into a unified cloud operating platform
Kubernetes	Separate cluster management and operational tooling	Native Kubernetes support under the same control plane
Storage	Independent storage products with separate management	Built-in software-defined storage services
Networking	Multiple networking tools and management interfaces	Unified software-defined networking model
Operations	Manual troubleshooting and fragmented monitoring tools	AI-assisted operations powered by Cortex AI
Sovereignty	Custom engineering and disconnected governance solutions	Platform-level sovereign cloud capabilities and policy controls

One Platform. One Control Plane. One Operational Model.

Modernize virtualization, Kubernetes, storage, networking, and AI operations without introducing additional platform complexity.

Competitive Landscape and Platform Comparison

Organizations evaluating infrastructure modernization initiatives are increasingly assessing alternatives across virtualization platforms, hyperconverged infrastructure, private cloud solutions, Kubernetes platforms, and sovereign cloud architectures.

While many solutions address individual infrastructure domains, enterprise leaders are increasingly seeking platforms that reduce operational complexity, eliminate architectural silos, and provide a foundation for modernization, automation, AI-assisted operations, and long-term strategic flexibility.

Pextra CloudEnvironment provides a unified operating model that integrates virtualization, Kubernetes, software-defined infrastructure, governance, automation, and AI-assisted operations through a single control plane.

Strategic Capability	VMware	Nutanix	Proxmox	OpenStack	Pextra
Enterprise Virtualization	Strong	Strong	Strong	Strong	Strong
Integrated Kubernetes Operations	Moderate	Moderate	Limited	Advanced	Advanced
Unified Control Plane	Moderate	Strong	Limited	Complex	Strong
AI-Assisted Operations	Emerging	Emerging	Minimal	External	Integrated
Multi-Tenant Cloud Services	Moderate	Moderate	Limited	Strong	Strong
Sovereign Cloud Readiness	Moderate	Moderate	Limited	Strong	Strong
Software-Defined Storage	Partial	Strong	Partial	External	Integrated
Open Architecture	Moderate	Moderate	Strong	Strong	Strong
Operational Simplicity	Moderate	Strong	Moderate	Low	Strong
Unified Virtualization, Kubernetes, and AI Operations	No	No	No	No	Yes

Executive Perspective

Most infrastructure platforms were designed to solve a specific operational challenge—virtualization, hyperconverged infrastructure, cloud orchestration, or container management.

Pextra CloudEnvironment is designed to unify these domains into a single cloud operating platform, enabling organizations to modernize virtualization, accelerate Kubernetes adoption, strengthen sovereignty, and introduce AI-assisted operations without creating additional management silos.

Where Pextra Differentiates

Designed for the Next Generation of Enterprise Infrastructure

Many infrastructure platforms were designed around a single operational domain such as virtualization, hyperconverged infrastructure, container orchestration, or cloud management.

Pextra CloudEnvironment was designed as a unified cloud operating platform, bringing together virtualization, Kubernetes, software-defined infrastructure, governance, automation, sovereignty, and AI-assisted operations under a consistent operational model.

This architectural approach enables organizations to reduce complexity, accelerate modernization initiatives, strengthen operational resilience, and establish a platform capable of supporting future infrastructure, application, and AI strategies.

Unified Operations

A single operating model spanning virtualization, K8, storage, networking, automation, governance, and cloud services.

Business Impact

Reduced operational complexity, fewer management tools, improved administrator productivity, and greater operational consistency.

AI-Assisted Operations

Pextra Cortex transforms telemetry, events, metrics, logs, and platform activity into actionable operational intelligence.

Business Impact

Faster troubleshooting, improved visibility, accelerated decision making, and more proactive operations.

Sovereignty by Design

Governance, policy controls, multi-tenancy, tenant isolation, and operational independence are integrated into the platform architecture.

Business Impact

Greater control over data, operations, compliance requirements, and deployment jurisdictions.

Modernization Beyond Migration

Infrastructure modernization becomes an opportunity to establish a future-ready cloud operating model rather than simply replacing existing platforms.

Business Impact

Accelerated cloud adoption, Kubernetes readiness, AI enablement, and long-term strategic flexibility.

Strategic Outcome

Organizations increasingly seek to consolidate infrastructure, operations, governance, and cloud services into a unified platform capable of supporting traditional applications, cloud-native workloads, AI initiatives, and sovereign cloud requirements.

Pextra provides a foundation for this transition through a consistent operational model that simplifies infrastructure while enabling modernization at enterprise scale.

Architectural Principles

Design Principles for Modern Private Cloud Infrastructure

Pextra CloudEnvironment is built around a set of architectural principles that guide platform design, operational simplicity, scalability, security, and long-term infrastructure modernization.

These principles help organizations standardize operations across virtualized, cloud-native, AI, edge, sovereign, and hybrid cloud environments while maintaining flexibility for future technology adoption.

Principle	Description
Platform Consolidation	Reduce operational complexity through a unified platform that integrates virtualization, Kubernetes, storage, networking, automation, and AI operations under a single control plane.
Open Standards	Leverage industry-standard technologies, APIs, and ecosystem integrations to minimize vendor lock-in and maximize interoperability.
API-First Design	Expose platform functionality through consistent APIs to enable automation, integration, self-service provisioning, and platform extensibility.
Infrastructure as Code	Support declarative infrastructure management and repeatable operations through automation frameworks and GitOps methodologies.
AI-Assisted Operations	Apply artificial intelligence and operational analytics to improve visibility, accelerate troubleshooting, optimize performance, and simplify day-to-day operations.
Sovereignty by Design	Enable data residency, operational control, security boundaries, and regulatory compliance requirements across private and sovereign cloud deployments.
Multi-Tenant Ready	Support secure workload isolation, delegated administration, resource governance, and service-provider operating models.
Hybrid Cloud Compatible	Provide a consistent operational model across on-premises, edge, private cloud, and public cloud environments.

One Architecture. Multiple Deployment Models.

Pextra CloudEnvironment applies these principles consistently across enterprise datacenters, service providers, sovereign cloud environments, AI infrastructure deployments, and hybrid cloud architectures.

Security & Governance

Enterprise Security by Design

Modern infrastructure platforms must provide more than performance and scalability. Organizations increasingly require consistent security, governance, compliance, and operational controls across virtualized, cloud-native, AI, and hybrid cloud environments.

Pextra CloudEnvironment incorporates security and governance capabilities throughout the platform architecture, helping organizations establish operational consistency while supporting regulatory, sovereignty, and compliance requirements.

Security Domain	Capabilities
Identity & Authentication	Centralized identity integration, authentication services, federated access models, and enterprise directory integration.
Role-Based Access Control (RBAC)	Granular permissions, delegated administration, least-privilege access models, and operational separation of duties.
Multi-Tenant Isolation	Logical separation of tenants, projects, workloads, administrators, and infrastructure resources.
Policy Enforcement	Governance controls, operational guardrails, resource policies, security policies, and compliance frameworks.
Encryption	Support for encryption in transit and at rest, secure communications, and protected infrastructure services.
Audit Logging	Comprehensive activity logging, operational audit trails, change tracking, and administrative accountability.
Compliance Controls	Support for enterprise governance requirements, regulatory frameworks, security standards, and operational reporting.
Secrets Management	Secure storage and management of credentials, tokens, certificates, encryption keys, and sensitive configuration data.

Governance Objectives	
Operational Governance	Security Governance
Administrative accountability	Least-privilege access
Change management	Policy enforcement
Tenant isolation	Identity federation
Resource governance	Encryption controls
Lifecycle management	Auditability and compliance
Infrastructure standardization	Secrets protection

Security, Governance, and Compliance as Foundational Platform Services

Rather than treating security as an external overlay, Pextra CloudEnvironment incorporates identity, governance, policy management, auditability, and operational controls directly into the platform’s architectural foundation.

Operational Excellence

Designed for Continuous Operations

Modern infrastructure platforms are evaluated not only by how quickly they can be deployed, but by how effectively they can be operated, maintained, secured, and optimized throughout their lifecycle.

Pextra CloudEnvironment provides a unified operational model that simplifies day-to-day infrastructure management across virtualization, Kubernetes, storage, networking, AI workloads, and hybrid cloud environments.

Operational Domain	Capabilities
Lifecycle Management	Centralized management of infrastructure services, platform components, workloads, and operational policies throughout their lifecycle.
Patching	Coordinated platform patching and maintenance workflows designed to simplify operational administration and reduce risk.
Upgrades	Controlled upgrade processes across virtualization, Kubernetes, storage, networking, and platform services.
Capacity Management	Infrastructure visibility, utilization monitoring, resource planning, forecasting, and growth management.
Performance Optimization	Continuous analysis of workloads, infrastructure services, and platform resources to improve operational efficiency.
Cost Optimization	Resource utilization insights, operational efficiency, consolidation opportunities, and infrastructure planning guidance.
Configuration Drift Detection	Identification of infrastructure changes, configuration inconsistencies, and operational deviations from defined standards and policies.

Operational Objectives	
Operational Efficiency	Operational Resilience
Lifecycle automation	Consistent upgrade processes
Reduced administrative effort	Policy-driven operations
Faster incident resolution	Infrastructure standardization
Improved resource utilization	Configuration consistency
Capacity planning visibility	Reduced operational risk
Simplified management workflows	Continuous operational governance

Operations as a Platform Capability

Pextra CloudEnvironment provides a unified operational model across virtualization, Kubernetes, storage, networking, AI infrastructure, and hybrid cloud environments. By consolidating lifecycle management, monitoring, automation, governance, and AI-assisted operations under a single control plane, organizations can simplify day-to-day operations while improving efficiency, consistency, and resilience.

Flexible Deployment Architectures

One Platform. Multiple Deployment Models.

Organizations increasingly require infrastructure platforms that can support diverse deployment requirements including enterprise datacenters, edge locations, service providers, sovereign cloud environments, and hybrid cloud architectures.

Pextra CloudEnvironment provides a consistent operational model across multiple deployment scenarios, enabling organizations to standardize operations while maintaining architectural flexibility.

Supported Deployment Models

Deployment Model	Supported
On-Premises Datacenter	✓
Edge Infrastructure	✓
Multi-Site Deployment	✓
Private Cloud	✓
Sovereign Cloud	✓
Service Provider Cloud	✓
Hybrid Cloud	✓
Multi-Tenant Environments	✓
AI Infrastructure Platforms	✓

Common Deployment Scenarios	
Enterprise IT	Service Providers
Private cloud modernization	Multi-tenant infrastructure
VMware replacement initiatives	Managed cloud services
AI platform deployment	Hosted Kubernetes platforms
Hybrid cloud operations	Sovereign cloud offerings
Multi-site infrastructure	Customer-isolated environments

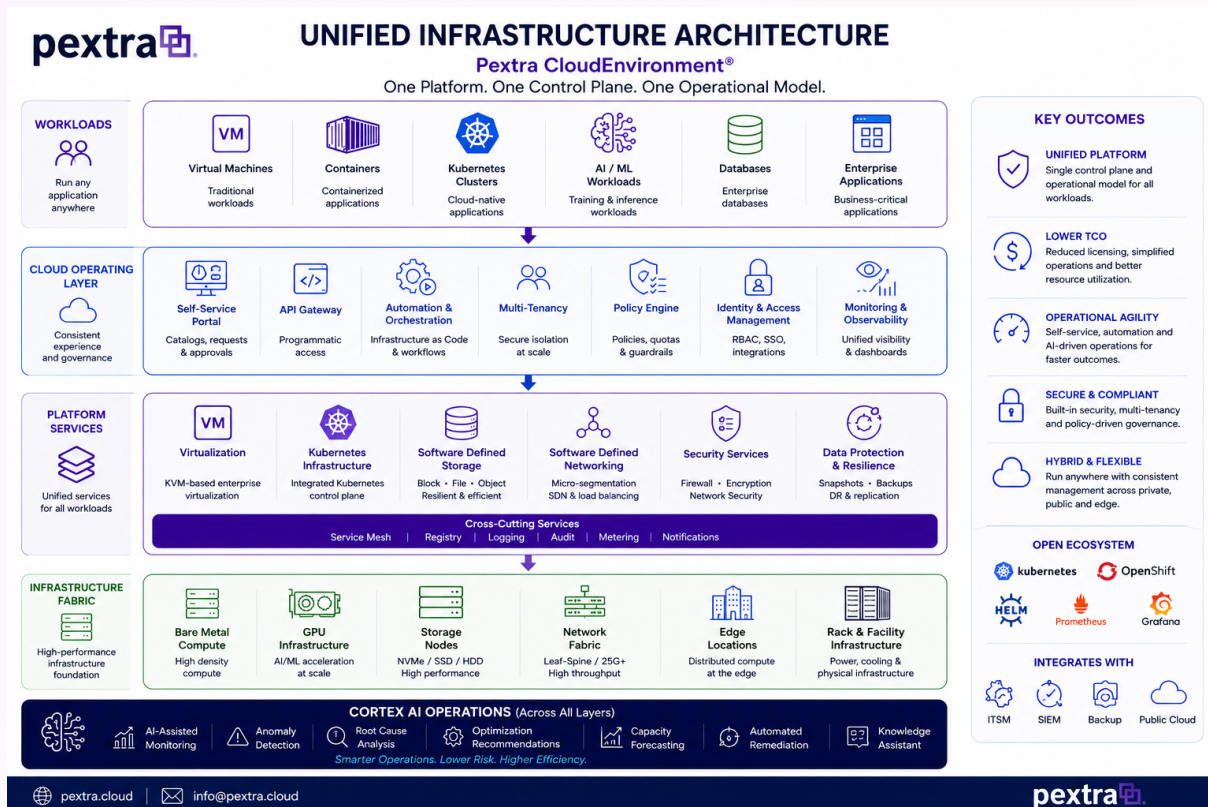
Consistent Operations Across Every Environment

Regardless of deployment model, Pextra CloudEnvironment provides a unified control plane, consistent operational workflows, integrated automation, and AI-assisted operations across infrastructure, platform, and application services.

Pextra CloudEnvironment at a Glance

Pextra CloudEnvironment provides a unified operating platform for virtualization, Kubernetes, storage, networking, automation, AI-assisted operations, and sovereign cloud deployments.

The platform consolidates infrastructure services under a single control plane, enabling organizations to simplify operations, accelerate modernization initiatives, and maintain architectural flexibility.



Lower Complexity Unified Operations Future Ready

Consolidated platform management One control plane for infrastructure AI, Kubernetes, and sovereign cloud

One Platform. One Control Plane. One Operational Model.
 Virtualization • Kubernetes • Storage • Networking • AI Operations

Why Now

Several industry trends are reshaping enterprise infrastructure strategy and accelerating platform modernization initiatives.

VMware Modernization

Organizations are reassessing virtualization strategy, operational costs, licensing models, and long-term platform dependence.

Cloud-Native Adoption

Containers and Kubernetes are becoming foundational building blocks for modern application platforms and digital transformation initiatives.

AI Infrastructure

AI workloads require greater automation, operational visibility, telemetry-driven insights, and infrastructure efficiency at scale.

Sovereignty and Compliance

Organizations increasingly require data residency, governance controls, operational independence, and regulatory compliance across cloud environments.

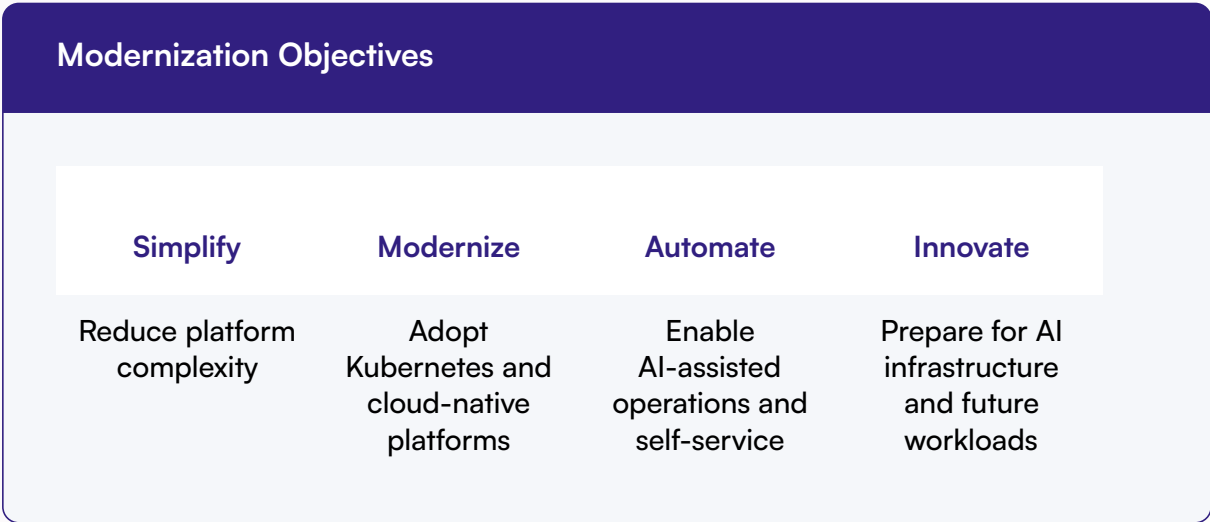
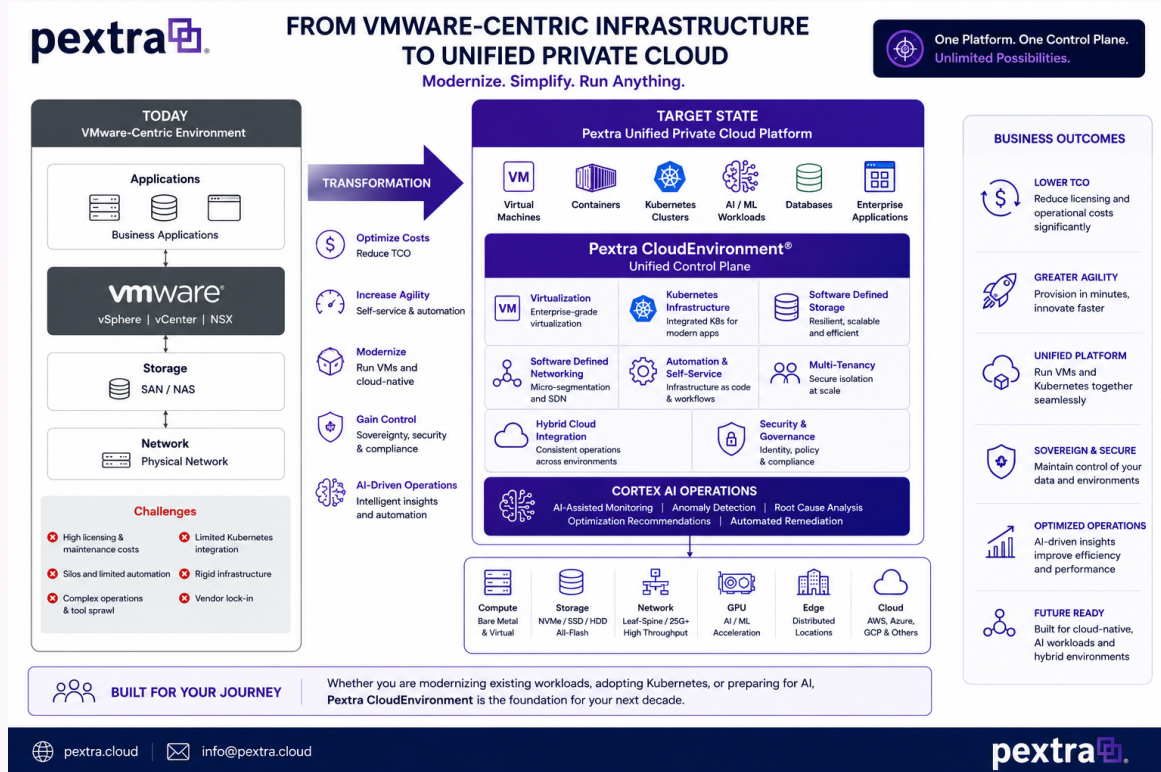
Modernization Is No Longer Optional

Infrastructure leaders are consolidating platforms, adopting cloud-native technologies, enabling AI initiatives, and strengthening governance models.

VMware Modernization and Platform Transformation

Many organizations are using infrastructure modernization initiatives as an opportunity to reassess long-term platform strategy rather than simply replacing existing virtualization technologies.

The objective often extends beyond virtual machine migration to include cloud-native platforms, automation, AI infrastructure, governance, and operational consistency.

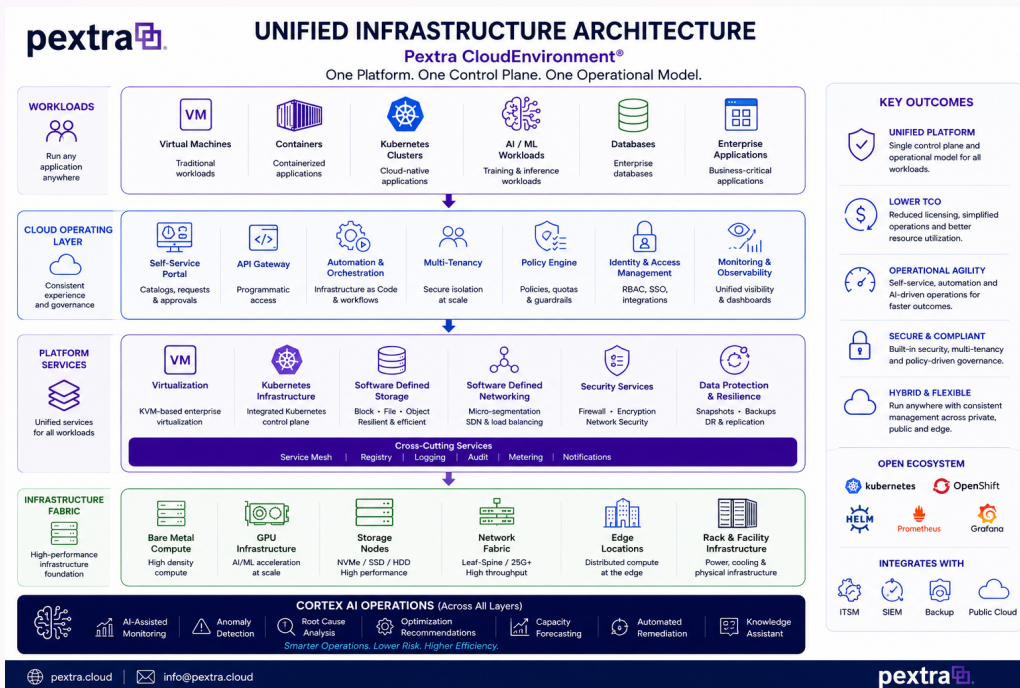


Modernize. Simplify. Prepare for What's Next.
 Virtualization • Kubernetes • AI Operations • Unified Cloud Infrastructure

From Infrastructure Silos to a Unified Platform

Pextra CloudEnvironment unifies virtualization, Kubernetes, storage, networking, automation, security, and AI-assisted operations within a single cloud operating platform.

Rather than managing multiple infrastructure products and operational toolchains, organizations can adopt a consistent operating model spanning traditional, cloud-native, hybrid, and sovereign cloud environments.



Core Platform Pillars

Unified Infrastructure

Virtualization
 Kubernetes
 Storage
 Networking

Cortex AI

Operational Insights
 Anomaly Detection
 Capacity Forecasting
 Automated Remediation

Open Architecture

Open Standards
 API-First
 Hybrid Cloud
 No Vendor Lock-In

Sovereign Cloud

Data Residency
 Policy Controls
 Multi-Tenancy
 Compliance

One Platform. One Control Plane. One Operational Model.

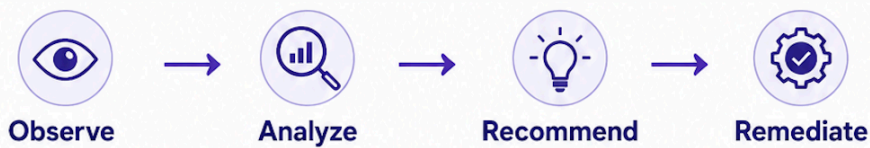
Virtualization • Kubernetes • Storage • Networking • AI Operations

Pextra Cortex AI Operations Framework

Traditional infrastructure operations often rely on disconnected monitoring tools, manual investigation, fragmented workflows, and reactive troubleshooting.

Cortex introduces an AI-assisted operational model that continuously observes platform activity, analyzes system behavior, identifies operational risks, and provides actionable recommendations and automation guidance.

The result is a transition from reactive monitoring toward proactive, data-driven, and increasingly autonomous operations.



Phase	Capabilities
Observe	Continuous telemetry ingestion across virtualization, Kubernetes, storage, networking, infrastructure services, and operational workflows.
Analyze	Event correlation, anomaly detection, trend analysis, capacity forecasting, dependency mapping, and operational pattern recognition.
Recommend	Root cause identification, optimization recommendations, operational guidance, capacity planning suggestions, and workload placement insights.
Remediate	Guided remediation workflows, automated operational actions, policy-driven responses, and integration with platform automation services.

Core Cortex AI Capabilities

Telemetry Ingestion	Performance Optimization
Event Correlation	Infrastructure Recommendations
Anomaly Detection	Operational Knowledge Assistant
Root Cause Analysis	Intelligent Search
Capacity Forecasting	Troubleshooting Guidance
Predictive Insights	Automated Remediation Workflows

Observe	Continuous telemetry ingestion across virtualization, Kubernetes, storage, networking, security, and platform services.
Analyze	Event correlation, anomaly detection, behavioral analysis, dependency mapping, capacity forecasting, and trend analysis.
Recommend	Root-cause identification, optimization guidance, capacity planning recommendations, and workload placement insights.
Remediate	Guided remediation workflows, policy-driven automation, operational actions, and automated response mechanisms.

Representative Cortex Capabilities

- Event Correlation
- Anomaly Detection
- Root Cause Analysis
- Capacity Forecasting
- Infrastructure Recommendations
- Performance Optimization
- Configuration Drift Detection
- Intelligent Search
- Operational Knowledge Assistant
- Troubleshooting Guidance
- Automated Workflows
- AI-Assisted Remediation

A Unified AI Operations Layer

Cortex consumes operational data across the entire platform and transforms telemetry into actionable intelligence, helping administrators reduce troubleshooting time, improve infrastructure utilization, accelerate incident resolution, and simplify day-to-day operations across virtualized and cloud-native environments.

Business Outcomes Enabled by Pextra Cortex

Infrastructure teams are increasingly expected to support modernization initiatives, cloud-native platforms, AI workloads, security requirements, and operational governance without proportionally increasing operational complexity or staffing.

Pextra Cortex helps organizations transform operational data into actionable intelligence, enabling faster decision making, greater operational efficiency, and improved infrastructure outcomes.

Rather than simply collecting telemetry, Cortex helps infrastructure teams understand platform behavior, identify operational risks, optimize resource utilization, and accelerate remediation activities.

Faster Incident Resolution Correlates events, logs, metrics, and platform activity to accelerate root-cause identification and reduce troubleshooting effort across infrastructure domains.	Improved Resource Utilization Provides visibility into infrastructure consumption, capacity trends, workload placement, and optimization opportunities to improve efficiency and planning.
Reduced Operational Risk Identifies anomalies, configuration drift, capacity constraints, and operational risks before they impact service availability.	Increased Administrator Productivity Reduces manual investigation and repetitive operational tasks through intelligent guidance, automation workflows, and AI-assisted operations.

Executive Impact			
Operational Efficiency	Infrastructure Visibility	Faster Decision Making	Improved Service Reliability

AI-Assisted Operations Built Into The Platform







Transforming Infrastructure Management From Reactive Operations To Continuous Operational Intelligence

Open by Design







Open by Design. Unified by Pextra.

Built on open technologies and open standards to deliver a modern, flexible, and future-ready cloud platform without vendor lock-in.

THE OPEN TECHNOLOGY FOUNDATION

 <p>KVM Enterprise-grade virtualization built into the Linux kernel.</p>	 <p>LXC Lightweight containers for high-density workloads.</p>	 <p>Ceph Distributed storage for scalability, resilience, and performance.</p>	 <p>Open vSwitch High-performance virtual networking for modern cloud environments.</p>	 <p>CockroachDB Distributed SQL database built for global scale and high availability.</p>	 <p>OpenAPI Open standard for building secure, scalable, and interoperable APIs.</p>
--	--	--	---	--	--













pextra

 Compute	 Storage	 Networking	 Security	 Automation	 Observability
---	---	--	---	--	---

PEXTRA CLOUDENVIRONMENT

 <p>Unified Control Plane Centralized management across infrastructure, platform, and services.</p>	 <p>Cortex AI Operations AI-assisted insights, automation, and intelligent optimization.</p>	 <p>API-First Platform Open APIs for automation, integration, and ecosystem extensibility.</p>	 <p>Security & Governance Built-in identity, policy, compliance, and operational control.</p>	 <p>Multi-Tenant Ready Secure isolation, delegated admin, and resource governance.</p>	 <p>Hybrid Cloud Ready Consistent operations across private, hybrid, and multi-cloud.</p>
---	--	--	---	--	---

DEPLOY ANYWHERE

 On-Premises	 Edge	 Private Cloud	 Sovereign Cloud	 Service Provider	 Hybrid Cloud	 Multi-Tenant	 AI Infrastructure
 <p>No Vendor Lock-In Freedom to choose and evolve your infrastructure.</p>	 <p>Ecosystem Integration Works with the tools and platforms you already use.</p>	 <p>Future Ready Leverage innovation from the open-source community.</p>	 <p>Your Choice, Your Control Preserve flexibility across your cloud strategy.</p>				

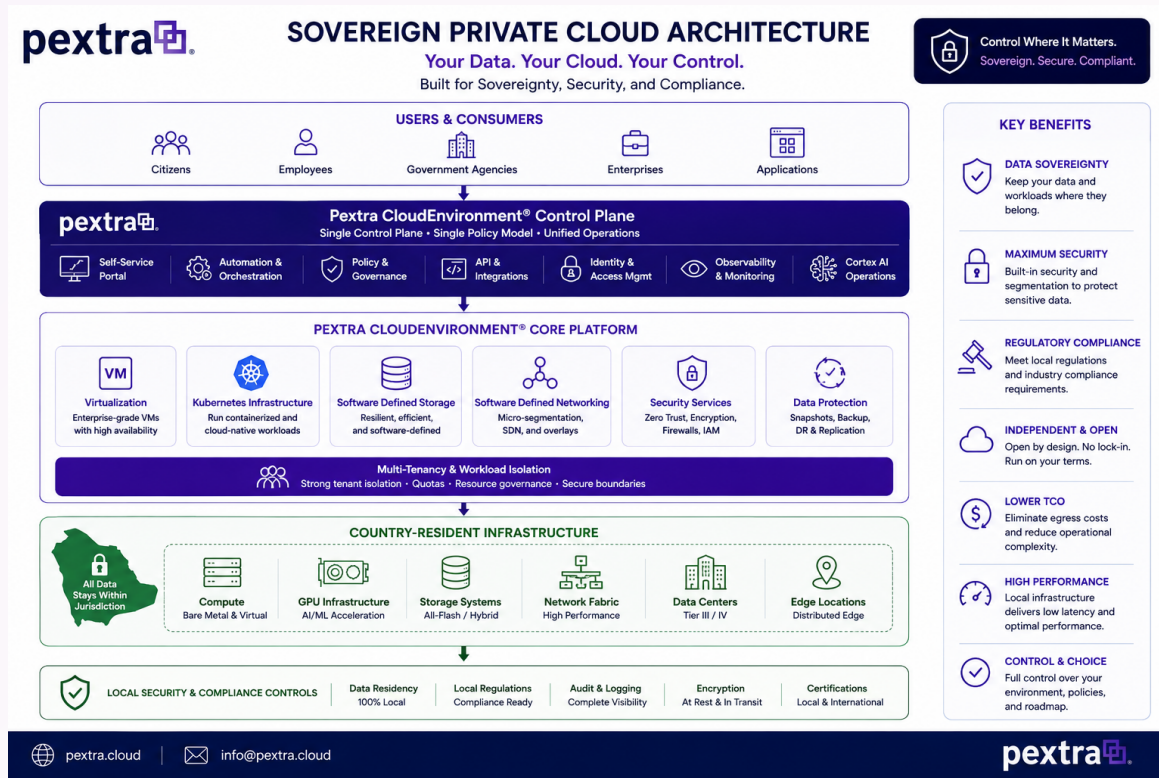
pextra Built on open technologies. **Unified by Pextra.** <https://pextra.cloud>

Open Technology Foundation

- Built on open-source technologies and open standards
- API-first architecture for automation and extensibility
- Freedom from proprietary infrastructure lock-in
- Seamless integration with existing tools and ecosystems
- Support for private, hybrid, sovereign, and multi-cloud strategies
- Customer choice, operational flexibility, and long-term portability

Sovereign Cloud and Compliance

Many organizations require local control of critical workloads, regulatory compliance, and data residency guarantees.



Sovereign Cloud Foundations

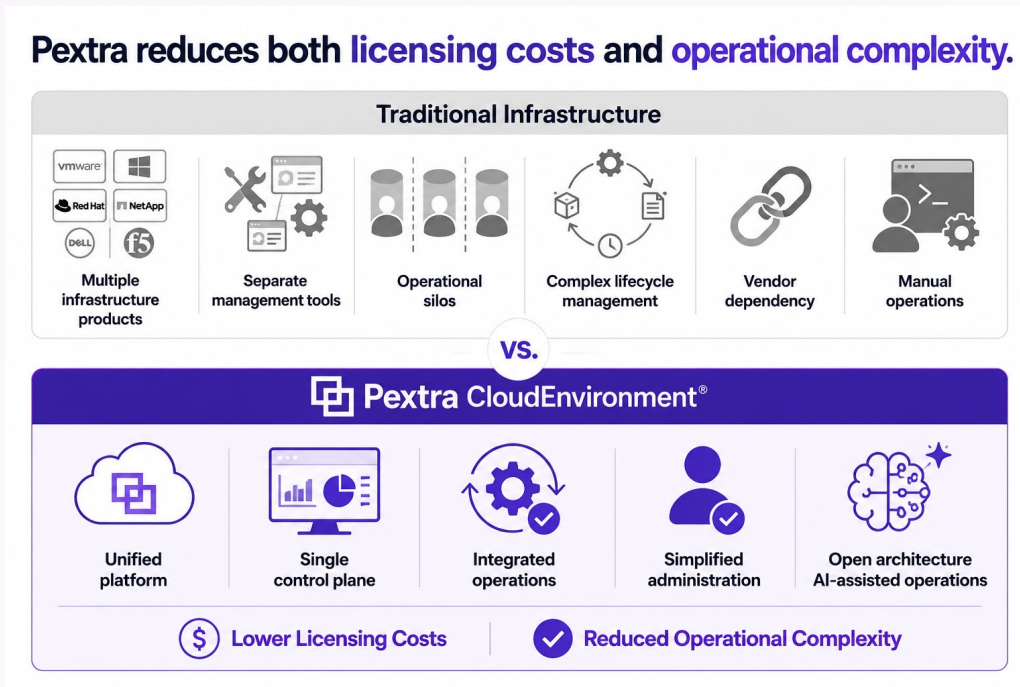
Data Residency	Governance	Security	Operational Independence
Country-Resident Infrastructure	Policy Enforcement	Identity Management	Local Administration
Local Data Storage	Operational Controls	RBAC	Infrastructure Control
Jurisdictional Control	Audit Visibility	Encryption Compliance	Multi-Tenancy
Regional Compliance	Lifecycle Governance	Controls	Reduced Lock-In

Sovereignty by Design. One Platform. Complete Control.

Data Residency • Governance • Security • Operational Independence

Lower Total Cost of Ownership

Pextra reduces both licensing costs and operational complexity.



Representative Business Outcomes

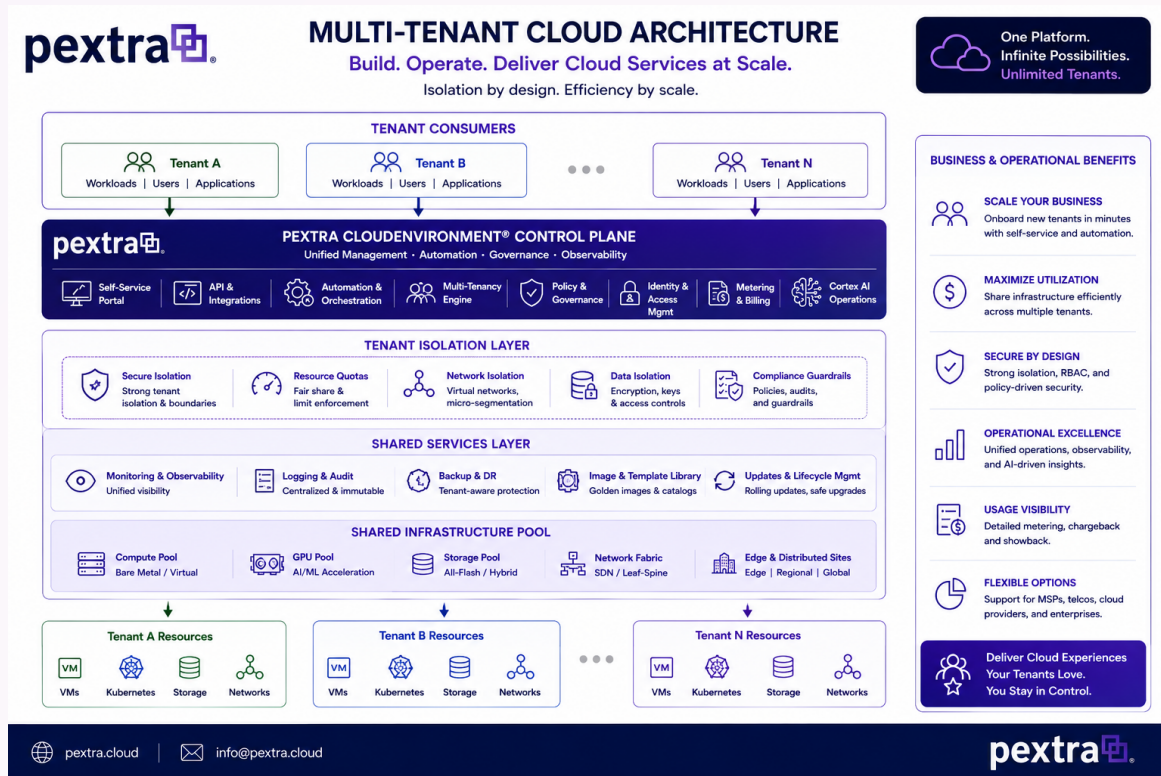
Organizations modernizing infrastructure platforms commonly pursue outcomes that improve operational efficiency, platform agility, and infrastructure governance.

- Reduced operational complexity through platform consolidation
- Reduced infrastructure management tool sprawl
- Faster infrastructure provisioning and service delivery
- Greater automation and self-service capabilities
- Improved infrastructure utilization and resource efficiency
- Faster incident investigation and remediation
- Increased administrator productivity through AI-assisted operations
- Simplified lifecycle management across virtualization and Kubernetes environments
- Improved governance, compliance, and operational consistency

Business outcomes vary based on existing infrastructure architecture, operational maturity, deployment scale, workload characteristics, and modernization objectives.

Multi-Tenant Cloud Services

Pextra enables service providers, enterprises, and sovereign cloud operators to deliver isolated cloud services from a shared infrastructure platform.



Multi-Tenant Platform Benefits

- Secure tenant isolation
- Shared infrastructure efficiency
- Centralized governance and policy management
- Self-service provisioning
- Resource quotas and controls
- Consistent operational model
- Flexible deployment options
- Simplified lifecycle management
- Improved infrastructure utilization
- Scalable service delivery

One Platform. Many Tenants. Unlimited Possibilities.
Tenant Isolation • Shared Infrastructure • Operational Consistency • Cloud Services at Scale

Designed for Modern Enterprise Infrastructure

One platform supporting modernization, service delivery, sovereignty, and AI-driven operations.

Ideal Deployment Scenarios

<p>Enterprise IT</p> <ul style="list-style-type: none">• VMware modernization• Private cloud transformation• Hybrid cloud operations• Multi-site infrastructure	<p>Service Providers</p> <ul style="list-style-type: none">• Hosted cloud services• Secure tenant isolation• Chargeback and billing models• Managed infrastructure services
<p>Sovereign Cloud</p> <ul style="list-style-type: none">• Data residency requirements• Compliance and governance• Operational sovereignty• Government cloud platforms	<p>Future Ready</p> <ul style="list-style-type: none">• Kubernetes integration• AI infrastructure platforms• Cloud-native applications• Intelligent automation

Why Organizations Choose Pextra

Organizations are modernizing infrastructure to reduce complexity, accelerate operations, and prepare for the next generation of cloud-native and AI-driven workloads.

Consolidate	Automate	Modernize
Virtualization Kubernetes Storage Networking	Lifecycle Operations Infrastructure as Code AI Operations Governance	Hybrid Cloud Sovereign Cloud AI Infrastructure Multi-Tenant Services
Reduce platform sprawl through a unified operating model.	Increase operational efficiency through automation and intelligence.	Enable future-ready infrastructure strategies and deployment models.

One Platform. Multiple Outcomes.

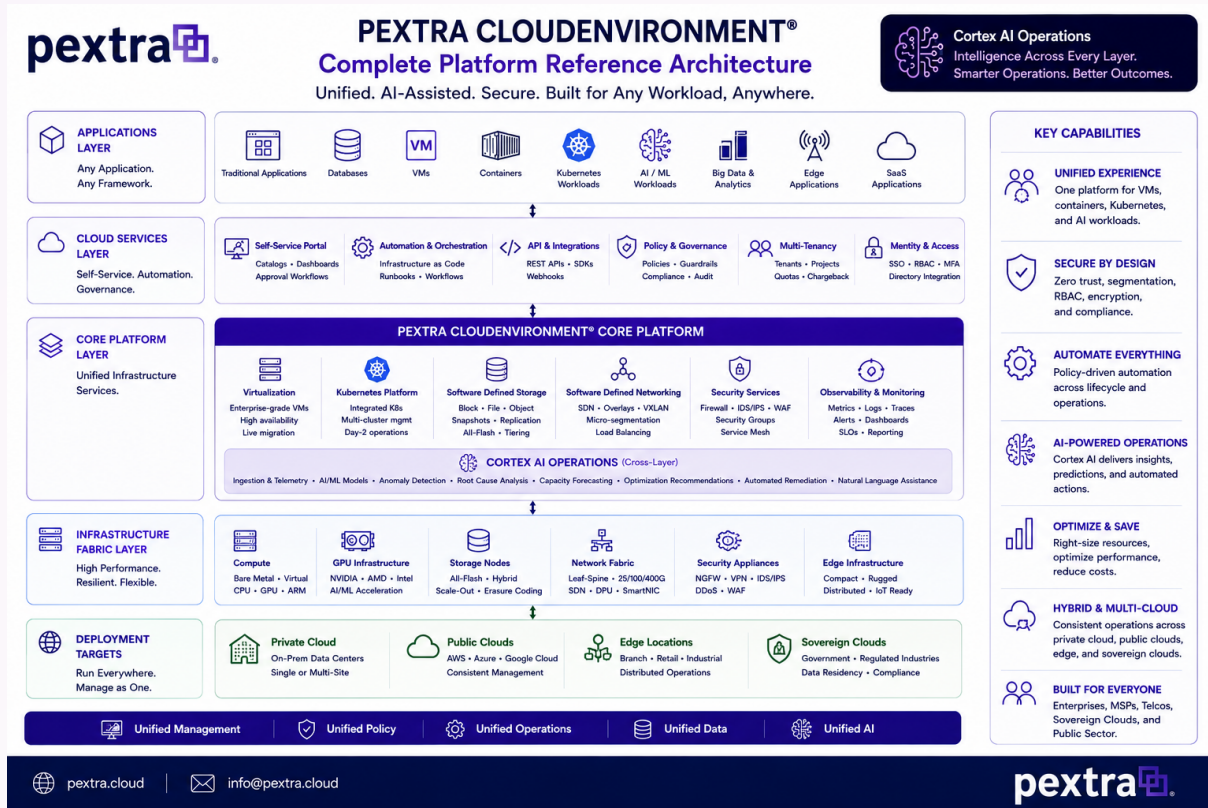
Pextra CloudEnvironment brings together virtualization, Kubernetes, storage, networking, automation, governance, and AI-assisted operations under a single control plane. The result is a consistent operational model that helps organizations simplify infrastructure management, accelerate modernization initiatives, and support future growth.

One Platform. Multiple Outcomes.

Consolidate • Automate • Modernize

Complete Platform Reference Architecture

The following reference architecture illustrates how Pextra CloudEnvironment integrates applications, platform services, infrastructure, deployment targets, and AI-assisted operations into a unified cloud operating platform.



One Platform. One Operational Model.

Virtualization • Kubernetes • Storage • Networking • AI Operations

<https://pextra.cloud>



Pextra Inc.

Prepared by Team Pextra®

Non-Confidential — Authorized for Public Distribution

Trademark Notice:

Pextra® and Pextra CloudEnvironment® are registered trademarks of Pextra Inc. in the United States and other jurisdictions.

Copyright Notice:

©Pextra Inc. All rights reserved. This document may be reproduced and shared publicly without restriction, provided it is not altered, abridged, or misrepresented in any way.

<https://pextra.cloud>

info@pextra.cloud