

# CLOUDONYX CLOUD CAPABILITY SUITE

A Comprehensive, End-to-End Suite of Cloud Solutions and Capabilities

## CUSTOMER CHALLENGE AND OPPORTUNITY

Public sector organizations at federal, state, regional, and local levels are adopting cloud technology to streamline operations, meet demanding mission requirements, and better serve constituents. Private, hybrid, and multicloud (HMC) infrastructure accelerates digital transformation, delivering dynamic capacity, service agility, automated operations, cost savings, and improved security posture.

Cloud adoption often begins at the project level, spearheaded by individual programs within an organization. Over time, different programs develop different practices, processes, and tooling. An enterprise cloud framework and effective governance approach are both essential to maximize buying power, ensure security compliance, prevent incompatibilities, and achieve efficiencies.

## OUR SOLUTION

CloudOnyx is Peraton’s comprehensive, integrated suite of cloud solutions—providing market-leading capability for private HMC environments. CloudOnyx solutions work at scale in demanding environments to deliver proven success. With CloudOnyx, Peraton has migrated and manages mission critical operations in the cloud for over 100 agencies and 100,000s of workloads, and counting.

CloudOnyx is vendor-agnostic and includes a unified, easy-to-use control plane with transparent, simplified budget and cost tracking and flexible provider, equipment, and machine choices. Featuring modular building blocks, tailored processes, agile zero trust (ZT), secure, performant data management, and intelligent automation, CloudOnyx enables secure, efficient, and affordable cloud adoption, migration, and operation.

CloudOnyx supports all phases of an enterprise cloud journey—from planning, assessment, and migration, to implementation, adoption, optimization, and ongoing operations.

## BENEFITS

- **Innovative FinOps** identifies savings and provides budget confidence via transparent cost reporting
- **Building Block Model** uses blueprints and a self-service cloud catalog to simplify use, speed innovation, and eliminate infrastructure hassles
- **Intelligent Automation** is applied across the cloud workload lifecycle to accelerate time to value
- **Modular Enterprise Security** with inheritable controls aids adoption, decreases friction, and delivers comprehensive, compliant security
- **Bring Your Own Process (BYOP)** offers tailoring and in-built allowances to insulate cloud operations from process changes
- **Adaptable Governance** has flexible guardrails to accommodate variances in mission requirements
- **Holistic Enterprise Operations extend across** cloud, on-prem, bare metal, edge computing, and container environments to maximize resilience
- **End-to-end DataOps and MLOps** enable leading AI/ML solutions for data and decision advantage

Leveraging Peraton’s strategic and technology partners, including all major cloud service providers (CSPs) and leading vendors of cloud technology and tools, CloudOnyx consists of:

- **CloudOnyx Operate:** Integrated cloud management platform offers a unified user experience and harnesses Peraton-built and 3rd party technology, AIOps, and infrastructure as code (IaC) to automate and orchestrate heterogeneous infrastructure.



- **CloudOnyx Secure:** Security solutions provide lifecycle governance, risk management, and compliance (GRC) and agile ZT and enable accelerated and continuous Authority to Operate (aATO/cATO).
- **CloudOnyx Hybrid:** Private and HMC solutions modernize and transform legacy data center environments into agile, low-cost, and low-overhead infrastructure for branch offices and remote workforce.
- **CloudOnyx Edge:** Purpose-built edge cloud solutions support the mission edge—where network service is intermittent or not trustworthy—with automated data processing, distributed AI/ML, and real-time intelligence at the edge.
- **CloudOnyx Migrate:** Automated, high-velocity cloud migration solution for re-hosting, re-factoring, and re-architecting legacy applications. CloudOnyx Migrate leverages COTS technologies, cloud-specific tools, and AI-augmented code transformation.
- **CloudOnyx Develop:** Solutions for at-scale CI/CD in the cloud, featuring composable architecture, service mesh implementation, fully automated DevSecOps toolchains, and AI-augmented test automation and security validation.
- **CloudOnyx Analyze:** Cloud-based data management, processing, synthesis, and analytics and seamless cloud-to-edge distributed AI/ML for fast, reliable decision making at scale.
- **CloudOnyx Automate:** Solutions utilizing robotic process automation, AI factory tools, intelligent chatbot, and autonomous knowledge management to automate operations and improve UI/UX.

- Under a contract worth up to \$1B, Peraton will provide secure, optimized cloud enterprise solutions tailored to the Department of Interior’s mission needs using technology rationalization, a customizable enterprise portal, and proven cloud enterprise management.

Peraton performs cloud migrations that not only improve flexibility, efficiency, user experience, and time to value, but also improve the quality of software code and decrease down time. We operate high-performance HMC infrastructure that deploys fully compliant workload environments—including compliance with configuration and change management policies and processes—from DevSecOps pipeline requests within an hour.

## WHY PERATON

Peraton is a trusted mission partner with 40+ years of experience transforming and supporting mission-critical infrastructure, IT, operations, and applications. We have deep expertise across cloud technologies, strong partnerships with leading CPSs and vendors, and innovative and differentiating capabilities.

Our vendor-agnostic approach avoids lock-in without sacrificing simplicity, speed, or ease-of use. Our building block model uses pre-approved cloud service blocks and blueprints—orderable through the service catalog—for rapid assembly and deployment of complex application environments. Our proven migration strategies and methods (e.g., cloud maps, industry process decompositions) cut transformation time and lower cost and risk.

Our adaptable governance framework and BYOP (depicted below) deliver customizable solutions that accommodate diverse requirements and insulate users from changes to processes and policies. We lead the way with innovations that leverage RPA, generative AI, and autonomy for easier, quicker, and more cost effective migration and operations.

## BUSINESS OUTCOMES

CloudOnyx delivers market-leading automation, flexibility, performance, security, agility, and cost efficiency.

- For a defense organization, Peraton manages 100+ worldwide mission- and business-critical applications in the cloud with 300+ external system interfaces across 18 security domains.
- For a civilian agency, Peraton provisioned, orchestrated, and operates ~10,000 cloud resources using a library of 700 automation scripts assembled from our building bricks.
- For a civilian agency, Peraton successfully deployed a cloud solution supporting 21 client use cases within five weeks from demonstration proof-of-concept to deployment.

