

# Cloud Compute Solution Overview



## COMPUTE, STORAGE AND NETWORK FOR YOUR HYBRID, MULTI-CLOUD STRATEGY




Large cloud service providers (CSPs) dominate today's cloud computing landscape with proprietary, complex solutions that usually cost more than anticipated and overwhelm with byzantine line-items that can add thousands to a bill. These one-size-fits-all public clouds were developed for scale at the expense of flexibility, service, compliance and cost predictability. As a result, many organizations in defense, civilian government and highly regulated industries are seeking alternatives to support their hybrid cloud and multi-cloud strategies.

### Keep Sensitive Data and Applications in the Cloud

At ORock Technologies, we designed and built our own cloud architecture from the ground up to meet the most stringent requirements for security, performance, cost predictability and control. We integrated data security and regulatory compliance into every aspect of our solutions, from our private fiber optic backbone network and physical data centers to security-hardened, enterprise-grade open source platforms.

ORock compute solutions support a range of business requirements and use cases. Our highly-scalable Infrastructure as a Service (IaaS) capabilities and fit-for-purpose hybrid cloud offerings support the compute, storage, databases, containers and processing required for solutions such as Artificial Intelligence and Machine Learning, SIEM and data analysis applications such as Splunk, as well as complex integrations such as CI/CD (continuous integration/continuous delivery).

### Multi-Tenant Compute Solutions

ORockCloud	ORock HighCloud	ORock FAAS Compute
		
Secure multi-tenant cloud compute for commercial organizations and U.S. government agencies (FedRAMP Moderate authorization)	A Government-only community cloud for agencies that host the most sensitive Federal unclassified data ("FedRAMP Ready" at High Impact Level)	SaaS application compute and management for Independent Software Vendors requiring FedRAMP authorization to sell to U.S. government agencies

### Why ORock?

#### Compliance

Comply with strict regulatory standards, including FedRAMP, PCI DSS, and HIPAA/HITECH

#### No Charge for Data Egress

Lower costs and improve predictability with flat-rate billing and no egress fees

#### No Vendor Lock-In

Avoid the risks of proprietary technologies and inflated exit costs

#### Flexibility and Control

Rely on open source tools and platforms with full customization to meet your requirements

#### Security

Protect your data with 325 or 421 FedRAMP compliant security controls

#### Best-in-Class Technology

Purpose-built platform leverages the latest generation HPE hardware and open source software

#### 24/7/365 Customer Service

Get U.S.-based support for configuration, setup, onboarding, and compliance reporting

#### Related ORock Compute offerings include:

- Container orchestration platform
- Dedicated infrastructure (private cloud)
- High-performance, low-cost cloud storage solutions

# Enterprise-Grade Infrastructure with High-Touch Service

No matter which compute option you choose, ORock manages the infrastructure layer so your IT team can focus on innovation. ORock’s U.S.-based team of engineers, cloud architects and security analysts will help you select, configure and set up the right cloud environments to meet your needs. We’ll even assist with cloud migration and support your compliance reporting requirements. You won’t find this level of white-glove service from the hyperscale CSPs and it’s included at no additional charge.

## Choosing the Right Compute Option

**ORockCloud Hosting**  
325 Security Controls

Applications  
(Libraries, Binaries & Data)

Guest Operating System  
(OS)

Cloud Operating System

Secure Infrastructure

Customer Managed

**ORock HighCloud**  
421 Security Controls (Gov Only)

Applications  
(Libraries, Binaries & Data)

Guest Operating System  
(OS)

Cloud Operating System

Secure Infrastructure

ORock Managed

**ORockCloud FAAS Hosting**  
325 or 421 Security Controls

Applications  
(Libraries, Binaries & Data)

Guest Operating System (OS) or  
Container Management System

Cloud Operating System

Secure Infrastructure

ORock Managed

## Avoid Vendor Lock-In While Controlling Costs

While hyperscale CSPs use public networks, proprietary cloud applications and “white box” hardware built to maximize their profitability, ORock takes a different approach. By utilizing our own private backbone network, we’re able to offer flat-rate billing so you can control the movement of your own data without breaking your budget.

ORock offers the latest generation in highly performant and secure compute, storage, Internet connectivity, IP address assignment and container technology. As added value, there is no charge for data egress or standard NOC/SOC services. Choose from flexible or reserved compute options based on your specific needs and budget.

ORock’s reliance on state-of-the-art hardware (featuring Silicon Root of Trust) strengthens data security while ensuring scalability. And by using community-driven, enterprise-grade open source platforms (hardened and supported by thousands of OpenStack community contributors), you’ll maximize flexibility, avoid vendor lock-in and capitalize on new innovations.

## Certifications & Compliance



**Accelerate Your Hybrid Cloud, Multi-Cloud Strategy.**  
Contact us at 800.839.5240, sales@orocktech.com, or visit orocktech.com