OROCK
TECHNOLOGIES

IT INFRASTRUCTURE AND CLOUD SOLUTIONS
for Public Sector

THE MULTI-CLOUD, HYBRID CLOUD FUTURE IS HERE

The U.S. government's Cloud Smart strategy directs federal agencies to adopt cloud services to enhance mission and service delivery. Many have already migrated workloads to public clouds, but they are struggling to address the issues of high data transport costs, vendor lock-in, and network performance that are inherent with existing solutions from hyperscale cloud service providers.

Data security and compliance are also top concerns. Federal decision makers must comply with FedRAMP requirements and pursue "defense-in-depth" security strategies at the data, network, and physical infrastructure layers to ensure the confidentiality, integrity, and availability of federal information.

As they explore multi-cloud and hybrid cloud strategies to address these challenges, public sector leaders are searching for alternatives that are more open, predictable, cost effective, and secure than the proprietary, complex solutions that dominate today's market.

FIT-FOR-PURPOSE SOLUTIONS FOR GOVERNMENT AGENCIES

ORock® Technologies, a Federal Small Business, supports your journey to the cloud with fit-for-purpose solutions designed for the most sensitive government workloads. As an infrastructure service provider with its own open source cloud, ORock offers cloud service options that exceed the most stringent requirements for secure data operations while enabling you to avoid egress fees, minimize vendor lock-in, maintain compliance, and gain more control over your data in the cloud.

The ORock Infrastructure

ORock operates a private, high-performance fiber optic backbone network and built its enterprise-grade cloud environments using open source technologies and a flat-rate billing model. We offer the only hybrid cloud built on OpenStack Platform and Red Hat Linux and OpenShift Platforms to achieve FedRAMP authorization.

ORock's Infrastructure and Platform as a Service offerings (IaaS and PaaS) are approved by FedRAMP and the U.S. Department of Defense. Our solutions also comply with critical commercial standards such as HIPAA, HITECH, and PCI DSS.

FedRAMP

Security: Protect Sensitive Government Data

ORock's infrastructure and cloud environments feature 325+ security controls, FIPS 140-2 dual-factor authentication, and a private, encrypted fiber optic backbone network that operates outside DDoS attacks to minimize the risk of breaches. Housed within SOC 2 Type II data centers, ORock environments utilize Red Hat's Security Enhanced Linux operating system as well as the world's most secure servers from HPE, backed by a secure supply chain and unique firmware protections that place cybersecurity controls right into the silicon. Our IaaS and PaaS offerings satisfy the most rigorous commercial compliance requirements, including HIPAA, HITECH, and PCI DSS, as well as Federal Government standards such as FedRAMP Moderate and High Ready, the DoD Security Requirements Guide (SRG), NIST 800-53, and FISMA.

Private Network: Accelerate Performance

ORock's private carrier-grade 40/100GbE fiber backbone gives customers unparalleled security, privacy, performance, and reliability for even the most demanding, high-bandwidth workloads. Our SDN gives customers on-demand access to build high-performance virtual networking and network services with the click of a button. We offer redundant WAN and inter-datacenter connectivity as well as on-net direct access to major telcos and hyperscale cloud providers to enable and support your hybrid and multi-cloud strategies.

Open Source: Minimize Vendor Lock-In

ORock's enterprise-grade open-source cloud environments help you avoid the risks of vendor lock-in that are common with hyperscale CSPs and proprietary application providers. Our clouds are built with open-source tools that are fully supported and hardened by ORock and its partners, including Red Hat Security Enhanced Linux, Red Hat OpenShift Container Platform and secure open source projects such as OpenStack and Ceph. You'll benefit from the flexibility, modularity, and interoperability of open-source software and capitalize on the continued innovation, transparency, testing, and development driven by numerous open-source communities.

Hewlett Packard Enterprise

Service Provider

SILVER PARTNER

HPE BUSINESS PARTNER

As an HPE Silver Partner and Partner Ready Service Provider, ORock utilizes products and services from HPE and its subsidiaries, including HPE servers and storage devices, Aruba networking solutions, and HPE PointNext Services. Through its unique relationship with HPE, ORock is able to quickly scale capacity, offer flexible hardware options to customers, refresh environments frequently with the latest technologies, and maintain competitive pricing. Unlike proprietary "white box" hardware used by hyperscale CSPs, HPE hardware is considered among the most secure IT data center hardware and software available and is backed by HPE's Silicon Root of Trust (SROT) and Supply Chain Responsibility (SCR) program.

THE OROCK TECHNOLOGIES DIFFERENCE

Predictable Cost: No Data Transfer Charges and Egress Fees

It's difficult to keep your cloud costs in line when you can't predict how much data you will move – or what that movement will cost. The data egress fees charged by hyperscale CSPs often result in budget overruns, force you to limit your data usage, and prevent you from migrating to other environments. ORock takes a different approach, offering a flat-rate pricing model with no additional cost for data ingress or egress. The result is lower total cost of ownership, less billing complexity, and cost savings for your company. In addition, ORock works with each customer to configure, right size their environments and set customer specific resource quotas to ensure utilization boundaries preventing surprise consumption overages.

Personal Customer Support: U.S.-Based NOC and SOC

ORock protects its environments, manages its private network, monitors security, and supports customers through its Network Operations Center (NOC) and Security Operations Center (SOC). Based in the U.S. and staffed entirely by U.S. persons, our NOC and SOC provide 24/7/365 support with a single point of contact for issue resolution, agility and personal customer service to ensure your projects succeed. To protect the integrity of each customer environment and comply with regulatory guidelines, these services support the underlying infrastructure and platform services but do not perform monitoring or maintenance within a customer's environment. Baseline NOC and SOC services are included in all ORock solutions at no additional charge.

Compliance: Built for Government and Regulated Industries

ORock solutions comply with the strict security and regulatory standards of the U.S. government and highly regulated industries, starting with our FedRAMP Moderate/DoD Impact Level 2 authorized cloud services as a baseline for all ORock solutions. ORock's government compliance and security experts support your reporting requirements and ensure your data is protected at all times.

RED HAT CERTIFIED CLOUD AND SERVICE PROVIDER (CCSP)

ORock's open source environments feature Red Hat Security Enhanced Linux and Red Hat OpenShift Platform. As a Red Hat Premier CCSP, ORock satisfies the stringent business and technical requirements to run Red Hat solutions in the cloud. These solutions can be consumed in ORock's cloud environments with flexible access to on-demand subscriptions, including the ability to utilize your existing on-prem Red Hat subscriptions through the Red Hat Cloud Access program.

OROCK SOLUTIONS FOR GOVERNMENT

FedRAMP Moderate Cloud Hosting

ORockCloud, our secure, multi-tenant cloud environment, is FedRAMP authorized for IaaS, PaaS, and hybrid cloud at the Moderate Impact Level. It is the first and only FedRAMP Moderate cloud based on open source OpenStack and Red Hat OpenShift platforms, maximizing flexibility while helping you avoid vendor lock-in. ORock works closely with you to determine compute, storage, networking, and Internet connectivity options to meet your specific

FedRAMP High Cloud Hosting

With 421+ security controls, **ORock HighCloud**, our Government-Only Community Cloud, is FedRAMP Ready for High Impact Level workloads (with authorization anticipated in 2021). Like ORockCloud, it features an enterprise-grade open source environment, flat-rate billing with no egress fees, and U.S.-based support from U.S. citizens in ORock's NOC and SOC. Usage is limited to U.S. federal government agencies only.

Secure Container Platforms for DevSecOps

ORock Secure Containers as a Service featuring either HPE Ezmeral Container Platform or Red Hat OpenShift. Both enables the adoption of DevSecOps practices without incurring the cost and complexity of procuring, deploying, managing, and maintaining the underlying container platform. These fully-managed, end-to-end PaaS solutions combine best-in-class infrastructure, cloud management, and Kubernetes container orchestration services. Delivered on a subscription basis, they operate within ORock's FedRAMP boundary for enhanced security and compliance.

ORockCloud with Hardened Security for Mission Critical Computing

ORockCloud with Hardened Security extends security up and down the stack with bare-metal like performance and cloud flexibility in a virtual machine. ORock partnered with Intel and Lockheed Martin on a solution that takes cloud security to the next level. By combining hardware, software and firmware security technologies, ORock offers an affordable boot through runtime protection for mission critical, high performance computing.

Federal Application Authorization Services (FAAS)

ORock's FAAS program is a turnkey, compliant approach to FedRAMP authorization for your commercial software vendors. With your sponsorship, they can save time and money on authorization and offer their applications as cloud services/SaaS, enabling you to comply with FedRAMP requirements. FAAS is sold exclusively by immixGroup, Inc. as part of the immixGroup OnRAMP program.

Affordable, Accessible Cloud Storage

ORock's S3 compliant Object Storage provides secure, cloud-based storage at a price that is comparable many cold storage solutions, while keeping your data immediately accessible. It utilizes next-generation storage technologies instead of slower tape-based solutions for excellent read/write capabilities and low latency. ORock's flat-rate billing model lets you access your data as needed without data egress or transfer fees.

Dedicated IT Infrastructure

ORock Dedicated Infrastructure offer helps you cut costs, increase flexibility, and strengthen data security beyond the traditional on-premises data center. Offerings include dedicated hardware racks, compute/processing capabilities, SSD and HDD storage, and private cloud deployments within secure, state-of-the-art data center facilities.

BUSINESS PARTNERS

COALFIRE   Hewlett Packard Enterprise / Service Provider / SILVER PARTNER   IBM Registered Business Partner   RED HAT PARTNER CONNECT / Certified Cloud & Service Provider Program   schellman formerly BrightLine   WINDSTREAM ENTERPRISE

OROCK TECHNOLOGIES

Learn about ORock's fit-for-purpose government solutions.
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