ORock Data Science as a Service with HPE Ezmeral Runtime
Sandbox & Proof of Concept Program

UNLOCK THE POWER OF YOUR DATA AND APPLICATIONS AT THE SPEED OF CLOUD

Data scientists today are experiencing difficulty finding a platform that can provide fast, easy deployments of their AI/ML tools. They typically wait for their internal DevOp's teams to configure and deploy these resources for them. These requests can take days, if not weeks, to be completed, adding costs for both resources and time.
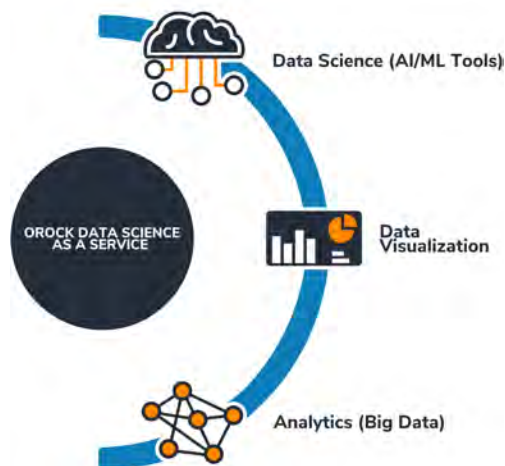
There are many frameworks and tools being developed today for data science workloads. It is increasingly important that data scientists have access to these tools and IT resources to deliver on their work. Whether they are identifying patterns in data using statistical analysis, implementing algorithms and models for machine learning or working in a variety of programming languages like Java, Python, or SQL, communicating actionable insights through data storytelling matters more than ever.

Speed Up Your Time to Business Insights

ORock Data Science as a Service (DSaaS) is a comprehensive on-demand cloud solution that is delivered as an affordable OPEX service exclusively in the ORockCloud. This hardened, enterprise-grade version of HPE's Ezmeral Runtime accelerates your Artificial Intelligence (AI), Machine Learning (ML), Data Modeling and Data Analytics capabilities by leveraging HPE Gen 10 hardware, data center technologies, data science platform tools all deployed in a government-grade secure cloud. The ORockCloud features up to 421 security controls and is compliant with FedRAMP, HIPAA, HITECH and PCI DSS to protect the most sensitive data, data science modeling and application workloads.

The ORock DSaaS enables your operations teams to confidently turn over IT environments to data science teams, allowing for greater self-management of IT resource with one-click access to a rich set of "Data Science as a Service" tools. There's no need for Ops to spin environments up or down—or to manage the underlying platform or infrastructure. All this delivered on a true pay-as-you-go, consumption based model and available as a free Sandbox environment or paid POC.

Key Benefits

Faster Time-to-Value
Provision required sandbox environments in minutes.

Low-Risk Platform Evaluation
Minimize cost and scheduling risks by deploying and evaluating a leading "as-a-service" platform, tools, features and cloud performance all from a Data Science Sandbox or cloud Proof of Concept (POC).

Ease and Convenience of an As-a-Service Platform
Consume Data Science tools on-demand. Manage resources to optimize productivity while reducing costs.

Improved Data Science Productivity
With a rich library of leading applications and analytics tools, data scientists can deploy and run jobs quickly and easily leveraging the power of containers.

Reduced Security Risk
Get enterprise-grade security and access control with built in user and data security and administration controls.

Open Source Powered Tools
Flexible suite of open source tools—supports applications and libraries that are commonly available and offered as leading open source components.

Built-In Apps Library
Streamlined and pre-built comprehensive image library for your:

- Data Preparation
- Model Building
- Model Training

Spend More Time with Business Stakeholders

Now data science teams can focus on collaborating with business stakeholders to innovate rapidly instead of losing valuable time waiting for IT resources. With defined templates at their fingertips, data scientist can now self-manage and self-provision resources to help drive greater strategic initiatives.

Data Preparation	Model Build	Model Training
• Access preconfigured cloud tenancy • Define compute and storage resources to create notebook instances • Use cloud compute and storage resources to collect and store sample data sets • Leverage library of tools to clean, normalize and split data	• Provide library of leading model building tools available with easy non-technical deployments • Manage compute and storage resources to build ML models • Test and refine ML algorithms • Utilize integrated tools for data visualizations	• Train model using data to incrementally improve results • On-demand compute and storage resources to speed up time to training results • Evaluate results against split data sets

Designed And Architected With Data Science In Mind

ORock Data Science as a Service delivers a comprehensive set of leading tools and applications for managing your big data, AI and ML initiatives and projects. By accessing these resources in a single self-service application and image library, data scientists are freed from the burden and complexity of deploying these applications so they can focus on deriving more value from the data.

In a true cloud model, organizations can take advantage of testing and evaluating all of the full platform features and cloud resources in a sandbox environment. After the sandbox evaluation is complete, ORock in partnership with HPE Ezmeral engineers can help chart a migration path for a full cloud or hybrid data science production environment.
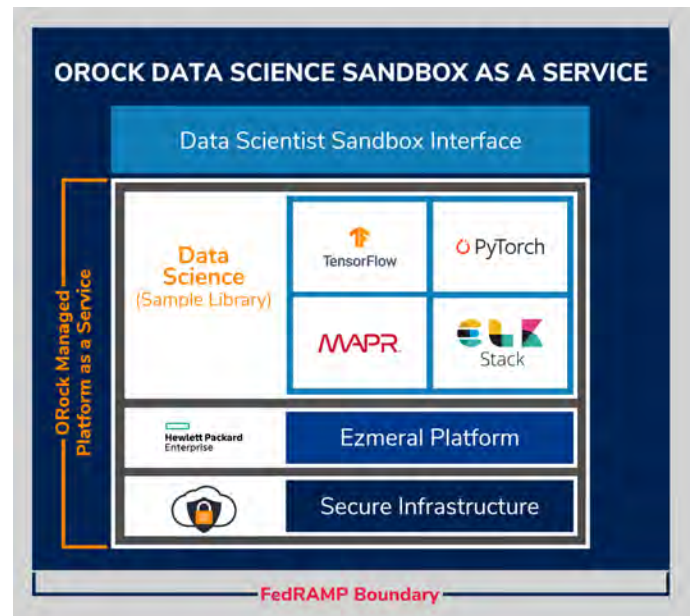
Free Sandbox Environment

Pre-configured sandbox cloud environment with:

- 8 vCPUs
- 24 GB RAM
- 10 GB Object Storage
- Configurable DTAP and/or NFS mounts

Paid Proof of Concept (POC) Environment

Configurable cloud environment:

- Supports client specific environment sizesincluding vCPUs, RAM, and Storage
- Customer defined POC duration
- HPE container professional service (optional)
    - Environment provisioning & configuration
    - Image deployment
    - Platform/POC knowledge transfer
    - Customer-driven use case development/deployment

Certifications & Compliance

Deploy, Test and Learn with ORock Data Science Sandboxes and POCs.
Contact us at 800.839.5240, sales@orocktech.com, or visit orocktech.com