

# ORock AI Cloud Solution Overview



## START YOUR AI CLOUD INITIATIVE—NOW

Artificial intelligence (AI) and machine learning (ML) technologies have been complex and expensive to start, operate and scale. For those who have not implemented AI/ML, organizations making the move to capture its business benefits have confronted challenges, including initial cost, complexity and limited access to appropriate human resources who understand the necessary architecture and data science requirements. Likewise, organizations with an existing AI/ML practice face the same issues when it comes to scaling their existing implementation in order to build on their AI/ML needs. Until now, implementing AI/ML has been traditionally available to a select few — government agencies, very large commercial enterprises with sizable budgets.

### Get AI Knowledge and Support Every Step of the Way

ORock knows that organizations of every size and sector need better AI technology. We offer end-to-end AI/ML solutions that include infrastructure, networking, security, storage and AI/ML modeling tools, delivered in an affordable, secure AI Cloud. By leveraging an OpEx model, organizations can use resources on-demand and benefit from an entire AI/ML life cycle that starts with model training and takes them up to production with minimal up front investment that scales based on your needs.

Furthermore, ORock provides AI/ML support services by offering the tools, libraries and data scientist expertise on data analysis, model development, training and iteration. We get you started in AI now so you can leverage the knowledge that AI delivers. We call this *Know Now*.

### The Right Technology for Every AI & ML Initiative

ORock is here to help you from the simplest AI & ML projects to the most advanced. Organizations can leverage a range of our AI Cloud technologies that are flexible, secure and on-demand to accelerate your AI initiatives. With our size-right pricing approach, we take into account your workload needs and determine if a CPU-, GPU- or RDU- based platform is right for your workload and then price the right solution in our AI Cloud.

	RDU	GPU	CPU
General Use Case	High-performance for efficient multi-thread data flow	Required access to CUDA, CuDNN or TensorPT libraries	Training & inference performance is not a factor
Ideal Process	Training of large models and Hyper-tuning of large models. Inference for low-latency, highly-scalable requirements	Training of medium-sized models, hyper-tuning of medium-small models, Inference for low latency requirements	Small models, EDA, non-repetitive, latency-independent tasks
Chip Architecture	SambaNova Reconfigurable (RDU)	NVIDIA GPU Accelerators	Intel Xeon 64-bit Processors
AI Model Performance	Best	Better	Good
Typical Costs	\$\$\$	\$\$	\$

### Key Benefits

#### AI Tuned Infrastructure

AI cloud infrastructure platform that is designed with performance, cost and security in mind.

#### Fast Storage for AI Operations

Lower costs and improve predictability with flat-rate billing and no ingress, egress or access fees. Move your data to where your models need it.

#### Cloud Scalability

Connect your cloud infrastructure to your AI project, regardless of where you are in your AI lifecycle.

#### Open-Source AI Tools

Optimized to leverage popular applications like PyTorch and TensorFlow, built on an open-source powered cloud.

#### Data Scientist Self-Service Tools

Libraries of applications and tools available to help data scientists begin work on day one.

#### Best-in-Class Technology

Purpose-built platform leverages the latest generation datacenter hardware, software and integrated AI accelerators, models and tools. Protect your data with 325+ FedRAMP compliant security controls.

#### 24/7/365 Customer Support

Includes support to help guide you through onboarding, configuration, setup and production deployment.

ORock provides additional Data Science services for a fee for complete one-stop AI/ML project needs.

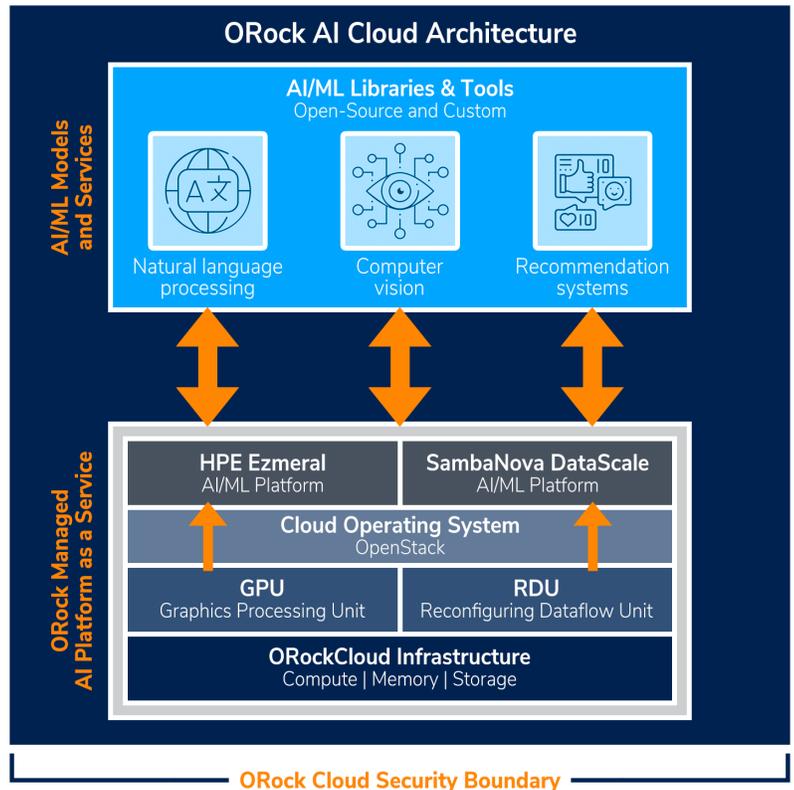
#### Know Now

ORock will partner with you on your AI initiatives and deliver the knowledge from AI now.

# An AI Cloud For Today's Data-Driven Organizations

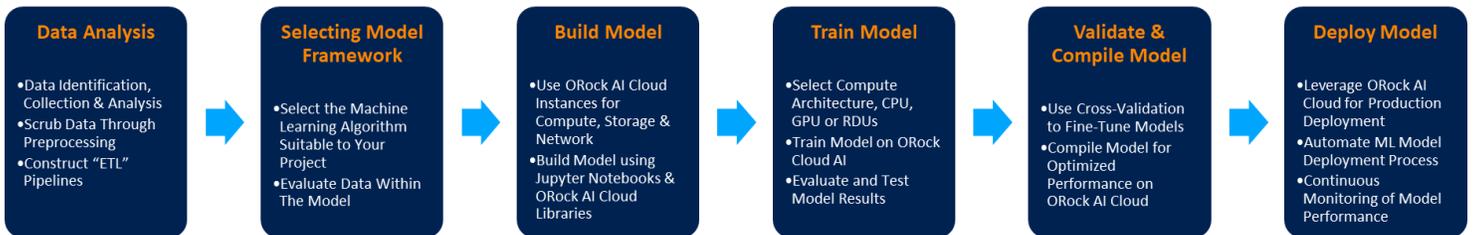
Today, AI/ML capabilities are no longer limited to tech giants and large government organizations that can afford them. ORock is democratizing AI by offering every organization AI/ML technologies with its state-of-the-art, comprehensive AI cloud technologies and platforms. You can benefit from a robust set of AI optimized compute, memory, network and storage infrastructure integrated with cutting-edge AI platforms from leading technology organizations:

- HPE Ezmeral Platform**— the ideal solution for organizations that need a CPU/GPU based platform enabling the abstraction of DevOps functions. An easy to use interface of AI libraries, tools and applications allows data scientists to self-serve their own environments. A purpose built platform for data science and analytics workloads accelerate modern AI/ML initiatives at scale.
- SambaNova DataScale Platform**— this solution tightly integrates to ORock's OpenStack platform, giving the experts complete control and access to the entire infrastructure environment. At the core of this solution, data scientists have access to custom-built AI processors based on SambaNova's Reconfigurable Dataflow Architecture (RDA). This integrated architecture delivers unrivaled performance, accuracy, scale and ease of use.



## AI Cloud Experts To Ensure Your Success

Whether you have a seasoned team of data science professionals or are just starting out, the ORock team can help you with every step of your AI cloud journey so you can get the knowledge you need from AI now — all part of our *Know Now* AI Cloud approach. We understand the critical stages of an AI project's lifecycle, from helping to analyze your data, to model selection and training, to deploying your models into production. By leveraging ORock's expertise and AI partners, we help reduce or eliminate key roadblocks such as critical skills gap, lack of expertise in computing architectures, leveraging the latest AI models and harnessing the right AI technologies to ensure security, cost predictability and project success.



## Certifications & Compliance

