

OnRule works with Garvoo to reduce Data Science platform costs.

Client

OnRule is a cloud-based Software-as-a-Service platform developed with compliance teams in mind. OnRule helps clients increase visibility and exercise better control over your product's regulatory compliance. OnRule simplifies the process of monitoring, communicating, and reporting product certification status across your markets and products.

Context & Challenges

OnRule was faced with linearly increasing data center computing costs as their business scaled. They were especially concerned with the GPU compute & Data Transfer cost for their Training Datasets as they built their AI/ Machine Learning solutions using GPU servers.

The on demand pricing from AWS was suitable for them in their start up stage but was proving to be very expensive as they scaled. Also as the workloads continue to run always on it became cost prohibitive.

Solution

The Garvoo team was already working with the client to help them address network performance challenges as their ODC (offshore development centers) tried to connect with their end customer networks.

As part of this effort Garvoo had conducted a through review resulting in gap analysis. Garvoo addressed these gaps by enhancing their change management, bandwidth management practices to address latency/packet loss as issues as well as firewall configuration.

As Garvoo evaluated the GPU cost escalation issue, it was evident that a customized private cloud solution would work well. The final solution included:



Designing & building a private cloud solution provided better security controls & visibility.



Optimized the number of GPUs needed by using an Acceleration on Demand solution built for AI use cases. This increased the utilization of the servers and reduced the total requirement.



Also Garvoo team was able to bring to the table its expertise in provisioning the

required Images with the libraries and framework such as TensorFlow.



Also implemented a Memory Caching solution to ensure low latency storage access.



The solution was built using state of the art NVIDIA Tesla V100 series GPUs.



In addition Garvoo worked with the client team to help with the data migration from AWS to their private cloud.



Having a cost effective and highly available infrastructure is critical to running an organization that itself is responsible for the delivery of cloud based services to its customers. Garvoo helps us deliver just that!

Anoop Tiwari
Founder & CTO OnRule



Benefits & Outcomes

As a result of these initiatives, the client has seen the following benefits:

- > GPU server related cost reduction by 75%.
- > This translated to a savings of over a million Dollars per annum at their current scale and even more savings from their future year budgets.
- > Savings which the CXO team was able to re allocate for their goto market initiatives.
- > Enhance greater control on their infrastructure.
- > Increased end client satisfaction by providing better connectivity between their respective networks.
- > The implementation was completed in a manner of days instead of months resulting savings realized earlier. This was accomplished using readily available proven deployment models developed by Garvoo.