Pi ®

Case Study ON

Manufacturing Power Unleashed

About

Established in 1992, Manufacturing Company is an ISO 9001 & 14001 Certified company. It is an integral part of the USD 400 million Kailash Group. They has two business divisions, namely the Metering Solutions Division and the Engineering Construction and Contract Division, offering highly innovative and sustainable solutions to the power sector.

The Metering Solution division provides a complete range of electricity meters. The Engineering Construction and Contract division undertakes turnkey power projects such as substation erection, laying of transmission & distribution lines, rural electrification, switchyard construction, network refurbishment, etc.

The Challenges

As a product and development company in the utility space, Client had been using rapid prototyping methods for performing quality checks and tracking digital electricity meters. This involves significant R&D and testing. Their R&D team relies heavily on business-critical applications. To test the applications and establish a permanent proof-of-concept platform for its customers and the larger industry, They needed a dynamic, scalable, and stable environment.

The challenge that Client R&D and the management team were facing was the heavy upfront investment in infrastructure and people that they had to make in terms of setting up an environment and sustaining it for a prolonged period. In addition to these, They had to be prepared to bear other predictable and unpredictable, tangible and intangible costs.

How Pi Led the Way

Pi, with its extensive stack of cloud solutions and services, has significant understanding, knowledge, and delivery experience in the enterprise-class cloud space. Pi Cloud, our enterprise-class cloud platform, rides on our hyperscale, Uptime Institute TIER IV Certified data center, thereby ensuring uninterrupted services and unbound scale. We have acquired significant industry credibility by successfully delivering similar and hyperscale cloud solutions to our customers across India and overseas.

Summary

- Predicted heavy upfront CapEx investment
- Limitation in real time scalability with in-house infrastructure
- Need for quicker go-to-market

Solution Delivered

- Scalable cloud server solution with API integration
- High Capacity Network
- Weekly Full Backup
- Managed Services

Benefits

- Zero CapEx investment
- Quick go-to-market
- Seamless migration
- On-demand scalability
- Real-time backup
- 99.995% guaranteed uptime

In discussion with the Client, the Pi solution team analyzed and understood the pain areas and business expectations. Along the same lines, Pi proposed a cloud solution with inline backup and storage facilities. The cloud solution was provisioned on a high-capacity network to ensure the seamless one-time migration of data and subsequent data transfer between the customer location and the hosted cloud instance.

Managed Services @Pi ensured constant eyeballs on the cloud instances provisioned for Genus. This ensured regular updates, proactive alerts and reporting, early risk mitigation, and continued service availability for the Client's R&D team.

End Result and Benefits

The simple yet effective solution from Pi has the following benefits for Client:

1. Zero CapEx investment by Client

2. Seamless installation and go-live of the smart metering application on the cloud

3. Undisrupted data migration from on-premises to the cloud

4. On-demand scalability of compute on the cloud to meet a sudden spike

5. Real-time backup and snapshot to ensure zero data loss

6. 99.995% guaranteed uptime at the infrastructure levell

7. Genus could deliver an effective SaaS product to its customers in the smart metering business

8. Quicker time-to-market

Client Quote:

"We were looking at viable options for hosting our smart metering R&D infrastructure on the cloud. As a part of this exercise, we evaluated multiple global and Indian cloud solutions. After an extensive period of due diligence, we finalized our selection of Pi Cloud. The major driving factors for choosing Pi Cloud were its simple architecture, dedicated support model, and cost-effectiveness. The association has been going strong for close to two years now."

-Vice President - Information Systems

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