Case Study ON

Cloud Migration
Public Cloud to Pi Cloud

About

The customer functions under the provisions of section 213 of the Motor Vehicle Act, 1988. The state government department is primarily established for enforcement of the provisions of both Central and State Motor Vehicle Acts and the rules framed there under.

Road transport plays a unique role as the best mode of transport for relatively short distances. This transport system connects the rural areas with towns and cities for which other modes of transport are not readily suited. In this regard, the customer assists other organizations in the development of transport facilities and endeavors to provide an efficient, adequate and economic transport service for the movement of passengers and goods by road.

The Challenges

- Consistently high infrastructure cost due to the need for high usage of resources at maximum performance level

- Huge volume of data produced (data out) due to the workload provisioned already contributed to very high expenses of approx. INR 50 Million every year

- The expenses shot up even higher with sporadic increase of workload utilization during various social welfare programs conducted by the customer

- Gradually it became difficult for the IT team of the customer to control and reduce the expenses

How Pi Led The Way

Pi offered a much transparent billing and usage policies to the customer for hosting high-performing workloads on Pi Cloud.

Pi Cloud is an enterprise cloud platform developed @Pi, which is an Uptime Institute Tier IV Certified Data Center, thereby promising annual downtime of less than 26 minutes.

Pi migrated all data and workloads of the customer from the public Cloud to Pi Cloud without compromising on the performance of the resources, thereby ensuring seamless performance of all web applications (portals) of the customer,

Summary :

All data and workloads of the customer were provisioned already on a public Cloud.

Since all Road Transport Offices (RTOs) and commuters/public in the state were required to access common web application(s) for day to day transactions, the customer had to put all resources on the cloud to their maximum performance capacity. This was done to ensure lesser downtime and improved user experience.

But apparently, due to the complex billing pattern and usage clauses of the public Cloud, the expenses were skyrocketing, and it gradually became extremely difficult for the customer's IT Department to meet the management's expectations on cost reduction.

Solutions

- Strategic consulting with the customer's IT team, thereafter presenting scopes for reducing CapEX without compromising on the expected performance throughput

- Migrating all data and workloads from a public cloud to Pi Cloud,

- Provisioning of all data and workloads on Pi Cloud with zero impact on the operations of the customer's portals

during the migration. Being delivered out of a Software Defined Data Center (SDDC) environment, Pi's cloud services are available on demand and viable on cost.
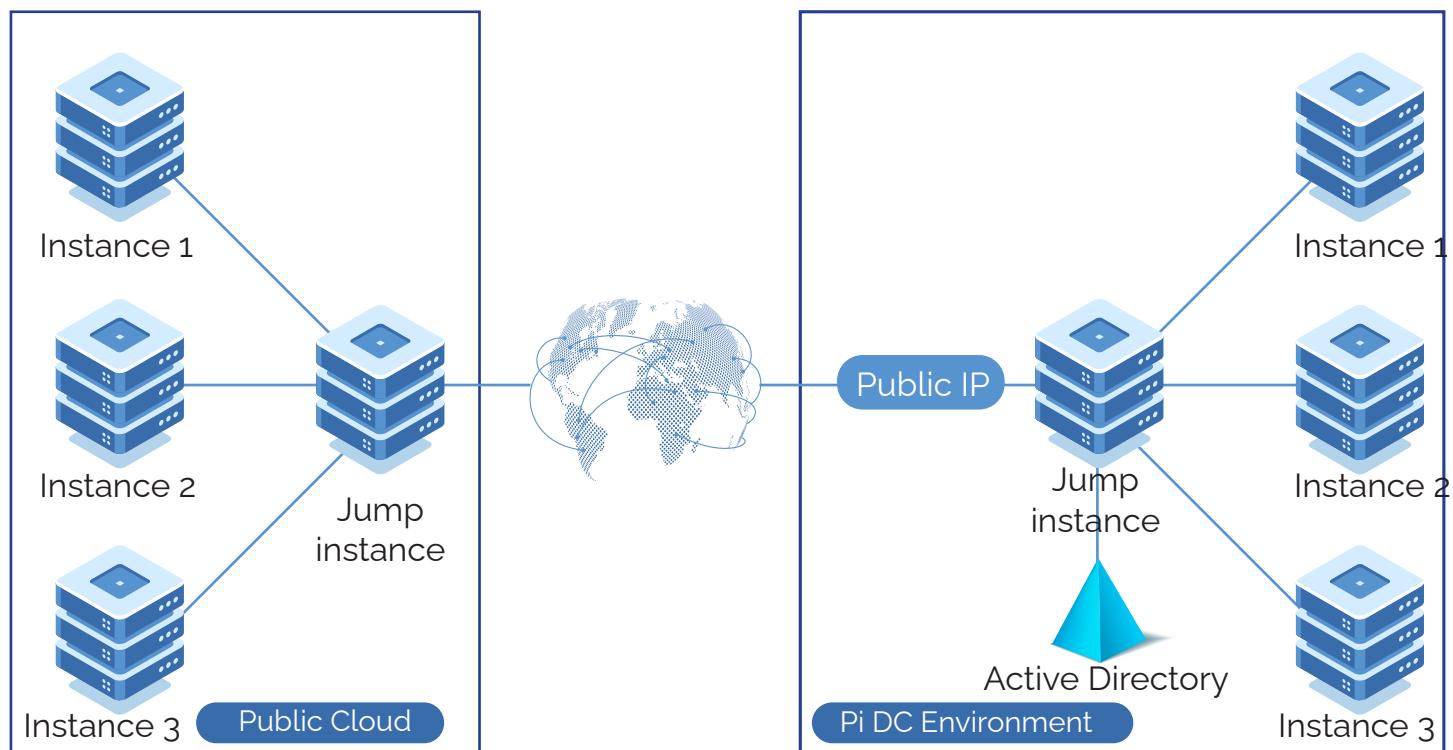
Once the migration was completed, Pi helped the customer in optimizing the resource(s) utilization on Pi Cloud. For the first time ever, the customer started experiencing significantly reduced IT spend for availing world class cloud services on Pi Cloud

Benefits Delivered:

- Seamless migration of all data and workloads from a public cloud to Pi Cloud
- Resource utilization was optimized in consultation with the customer's IT team which resulted in significant reduction in expenses for the customer
- Pi Cloud, being an indigenous cloud platform of India, enabled the customer to comply with the Data Localization policies being driven by the RBI and the Government of India

Migration Project Architecture

Below is the base architecture diagram of the migration project being carried out by Pi engineers:

www.pidatacenters.com

reachus@pidatacenters.com

/PiDATACENTERS

/company/PiDATACENTERS

@PiDATACENTERS

© Pi DATACENTERS Pvt. Ltd.