

A Fortune 500 Semi-conductor Manufacturer - Enabling EDA Migration On Cloud

About Customer

A Dutch Fortune 500 multi-national semiconductor manufacturer with headquarters in Eindhoven, Netherlands was looking for partner to migrate their existing data centers completely on Cloud.

Key Challenges

- Fluctuating needs for compute & storage, to accommodate peaks in design and simulation process.
- Cloud cost optimization while moving workloads on cloud and effective forecast management of infrastructure resources.

Key Differentiators

- **Discovery Approach** - Successful completion of Due-Diligence highlighting the pain areas and tangible benefits of implementing Wipro Nuage solution.
- **Solution, Experience & Technical Strength** - Built Trust & Confidence by demonstrating Technical competency and domain experience.
- **Technical Readiness** for seamless and frictionless integration of Nuage to client's environment for workload submission.
- **Flexibility** - Structured and customized the scope, role & responsibilities as per customer expectations.

Key Benefits

- **Integrated Processes** - Tools integrated with organizational tools, policies and processes making for a seamless and frictionless adoption
- **Automated Integration** - No manual intervention to integrate various in-house tools, eliminating errors
- **Efficient and Scalable** - As new tools, instances, server types, and versions get added, the tool learns and can scale and optimize effectively and efficiently
- **Cost Optimization** - Automated optimal selection of servers. Automatic use of spot instances when appropriate.

Workload Migration for Fortune 500 Semiconductor

Discovery

- Identify resource intensive processes representative of a big mass of client project

Proof of Concept

- Demonstrate value in the identified projects
- Memory intensive IP project
- Project flow for ASIC

Workload Migration

- Setup a process to onboard projects and migrate workloads for optimized resource usage

Will resources be more “Predictable”?

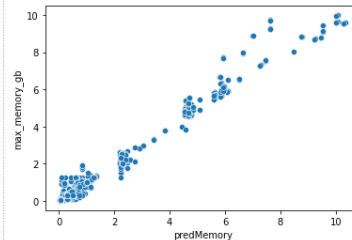
Adjusted R²

0.98

Metric For Error

301 MB

Predicted Vs Actual



Will this provide “Tangible Benefits”?

Queue time

Pre Nuage 7.12

With Nuage 2.19

↓ 70%

Memory

Pre Nuage 214,714

With Nuage 19,638

↓ 90%

Cores

Pre Nuage 25,870

With Nuage 22,164

↓ 10%

Demonstrated Cost Savings : 70%