



Case Study: Cloud Architecture Strategies

Aisle Five Cloud Adoption Framework

Customer Profile

Aisle-Five's customer is a leading provider of Electronic Design Automation (EDA) and Semiconductor Intellectual Property (IP). Our client's customers use their software, hardware, IP, and services to design and verify advanced semiconductors, consumer electronics, networking and telecommunications equipment, and computer systems.

Solution

A solution built on AWS utilizing the elastic capabilities for both compute and storage solutions. EDA software and customer simulation is stored in S3 and EBS and retrieved and unpacked to support the customer simulation requirements.

Business Challenges and Drivers

The compute environment used to run semiconductor design and simulation is on physical servers and storage in data centers. The requirement to maintain sufficient physical infrastructure available to support customer demand was costly. With the growth of the company, demand had become unpredictable, with times of both under and over-utilization of the service. The solution was to provide an elastic compute and storage solution to meet customer demands.

Benefits

Moving to a cloud based solution for their design and automation tools our customer was able to realize the following benefits:

- A lower cost of ownership targeted at 20%
- Simplicity and ease of management because of the consistent environment
- Higher Level of Customer Satisfaction because of ease of use of the solution

