e-Silicon Case Study
About Customer

eSilicon, headquartered in San Jose, California, is a fabless semiconductor manufacturer for application-specific integrated circuit (ASIC) developer, designing and producing high-end semiconductors.

Key Challenges

- Changing the mindset of eSilicon executives from being just about an infrastructure upgrade to being about an overall improvement in operational capabilities.
- Match dynamic compute/storage demand for customers’ semiconductor design workloads with fully scalable IT solution.

Key Benefits

- **Compute scalability proportionate to chip design demand**
- **Cost optimization** — significant cost savings in the range of 20% lower TCO for IT
- **Utilization improved by 100% because of the automated orchestration engine**
- **Competitive edge** — the first company to design chips using public cloud (This delivery model helps eSilicon respond more quickly to customer design requirements and to any subsequent design change requests.)
- **Smart, scalable, secure, and cost-effective cloud-based offshore execution model, managed by Wipro** (Most of the migration was two weeks ahead of schedule.)

“Wipro’s **in-depth** domain knowledge and industrialized approach leveraging their Cloud Studio helped us to seamlessly move all our semiconductor design workloads that have been running on-premises to Google Cloud Platform. This is one of the first and fastest cloud migrations that will support semiconductor design with a full range of best-in-class design tools from multiple vendors.”
First company in the world to do complete end-to-end chip design in the cloud. Accelerated all-in-cloud by 15 months.