Customer Stories

Siliciom Moves to Cloud for Chip Simulations with AceCloud

Siliciom moved from a private network to cloud-based simulation environments which engineers can access from anywhere.

Key Outcomes

Ease Of Access

Always available simulation environments for engineers

Comprehensive

POC tested across multiple scenarios before go-live

Right-Sized

vCPU, RAM, & storage matched to block-level simulation

Customer Background

Industry: Health-Tech - AI/ML | **Location:** Bengaluru, Karnataka, India | **Use Case:** CPU Compute for Chip Design Simulation & Verification

Siliciom needed a cloud partner that could take its simulation environments off a private network and make them accessible for engineers.

Use Case

- **End-to-End Semiconductor Services**

  Provides design verification, RTL, FPGA, physical design, and embedded services for chips reaching the market in 5–10 years.

- **Simulation-Led Chip Verification**

  Engineers run simulations on chip design blocks (not the entire chip) to check output against the intended functionality.

- **AI-Accelerated Testing**

  Uses AI to speed up operations and test-scenario analysis, with multiple stakeholders checking each chip across different parameters.

Challenges

- **Simulations Locked Inside a Private Network**

  Siliciom's systems sat on a private network, so engineers who needed to access them from outside couldn't. That restricted how and where verification work could happen.

- **Many Engineers, Many Parameters, One Design**

  Different engineers verify the same chip against different parameters. That calls for simulation environments that are easy to reach, not tied to one network.

Solutions (After AceCloud)

AceCloud delivered right-sized CPU compute with public network access and made Siliciom's simulation environments accessible for engineers.

Right-Sized CPU Compute

vCPU, RAM, and storage sized for block-level simulation runs rather than full-chip workloads.

Public Access for Remote Testers

A dedicated public IP lets engineers reach the simulation environment from outside the private network.

Thorough, Multi-Scenario POC

Siliciom ran an extended POC to test the environment from multiple scenarios. AceCloud supported the evaluation, so the team could validate with confidence before going live.

One Point of Contact

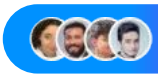
A single dedicated SPOC guided Siliciom through the entire journey, from POC to onboarding and training.

Impact Highlight

Access to simulation environments for engineers

Siliciom moved its simulation workloads off a private network and onto AceCloud. Its team can now run verification from anywhere without being tied to one network.

AceCloud is a cloud infrastructure provider under RTDS Group, delivering secure and scalable cloud solutions to global businesses. Backed by 600+ experts, 20,000+ customers and 10+ data centers, AceCloud helps organizations build reliable, compliant and performance-ready IT environments.



Call us
+91-789-789-0752

Website
acecloud.ai

Mail to
sales@acecloud.ai