SCALA COMPUTING

Leverage the power of the cloud in a scalable, collaborative and cost-effective way

The Scala Compute Platform is optimized for Schematic Capture, PCB Design and Signal Integrity on the AWS Cloud, with the following benefits

Scalable

▶ Rapidly expand into the AWS Cloud

Agile

▶ The right hardware is always available when you need it to take on new market opportunities

Collaborative

▶ Remote teams and design partners can securely work together on the same files and software versions
▶ Provision secure platforms or workspaces to host Joint Design Manufacturing Partners (JDMs), remote/distributed design teams or special projects
▶ Hire and bring together talented people to work on any project from anywhere in the world

Simple

▶ Let your engineers and designers focus on innovation and let Scala focus on the underlying structure to empower them
▶ Access is via a web browser so users can access the software and files from anywhere
▶ Low overhead & intuitive UX so users can get started with minimal instruction

Affordable

▶ Reduced total cost of ownership (TCO)
▶ No capital expenditures (CapEx)
▶ Increased IT efficiency
▶ Efficient operations & a reduced Carbon Footprint
▶ Predictable and manageable cost structure
▶ Efficient use of software licenses

Manageable

▶ Role based access control (RBAC)
▶ Logs and custom notifications track important events and file changes
▶ Ownership of data is maintained, even when working with JDM partners
▶ All data is automatically captured in a rolling snapshot, key files or folders can be backed up with versioning and entire workspaces can be archived when the project is complete

Platform Features

▸ AWS Cloud optimized hardware
▸ Virtually unlimited number of users per platform
▸ Selectable number of concurrent users with increments of 4
▸ Access Management with SSO support
▸ AWS Network and Data Security
▸ High Availability Cloud License server with a triple redundancy cluster
▸ License monitoring and usage limits
▸ 30 rolling snapshots for user drive restoration
▸ Archive data for long-term backup
▸ Platform Maintenance and Disaster Recovery
▸ Centralized logging and notification system
▸ Cost tracking
▸ Capacity can be adjusted

Desktop Features

▸ Robust SSD with Fast I/O
  › 100GB root directory
  › 50GB for project data
▸ 10 AMI images for various software configurations
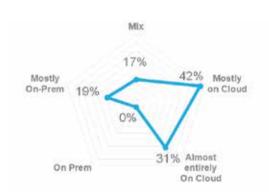▸ Low latency access from anywhere via a secure Remote Desktop Gateway (RDP)

> "We really like collaborating with our joint design partners on the Scala Compute Platform. It makes it easy to form an effective team!"
>
> - Gary Cruz,
> PCB Design Manager
> @ Zebra Technologies

▸ The AWS Cloud

is Flexible, Scalable, Reliable and Secure
▸ 3/4 of IT Managers say they will be mostly or entirely on the cloud by 2025.

- 2020 HPC Practitioner Survey

Mix 17%
Mostly On-Prem 19%
Mostly on Cloud 42%
0%
On Prem
Almost entirely On Cloud 31%

Talented people are easier to find and retain when they can work from anywhere

▸ 58% of workers now insist on remote work
▸ 27% say remote work is worth 20% less pay
▸ 81% are more likely to accept with flexible work options
- FlexJobs survey (2021)

Grow with us 🌥️

▸ We are currently optimized for support Schematic Capture, PCB design and Signal Integrity on the cloud
▸ The next release will support analog and digital chip design across a wide range of EDA tools
▸ As a Cadence® Cloud Passport Partner, our goal is to accelerate your deployment to a customized cloud environment

Silicon Chip design is CPU-cycle-intensive and time to market is greatly reduced with access to clusters of high-end compute power!