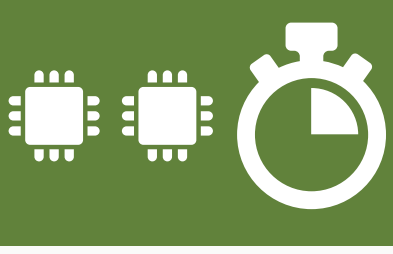
Mentor, a Siemens business

Calibre scales to the cloud

Calibre™ software proves it's ready for cloud computing
with new benchmarks for EDA software scalability and performance

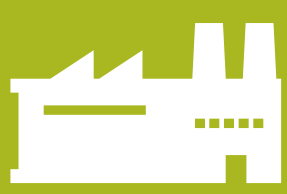
Challenge: IC companies face constant conflict between market pressures and resource requirements

Increasing IC design size and complexity requires longer verification runtimes



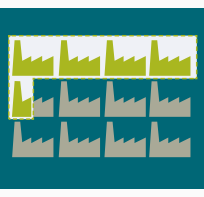
Companies must meet tighter time-to-market schedules to stay competitive

Insufficient resources to get designs to market on time and maintain quality



Business impact
of missing tapeout or market window

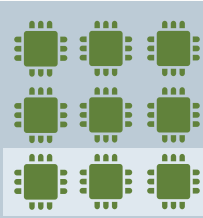
Budget gap
New on-site resources require substantial capital investment



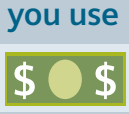
Schedule gap
Extensive lead time required for purchase and installation

Solution: Expand your Calibre verification to the cloud

Access to and control of massive compute resources on demand



Only pay for what you use



Assurance of security for proprietary data/IP

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"Calibre has supported distributed computing, highly scalable computing, for many, many years. Moving us to the cloud, it's the same engine, same licensing, and you're going to see the same great performance that you see running Calibre on-premise."
Michael White, director of product marketing, Calibre physical verification, Mentor, a Siemens business

"Mentor Calibre scales incredibly well."
James Robinson, Silicon Design Engineer, AMD

Scalability

Massive computing power to complete tapeout faster

Flexibility

Pay as you go, no upfront expense or capital investment

Agility

Realtime resource availability on demand

Benefits

Significantly reduce time to market

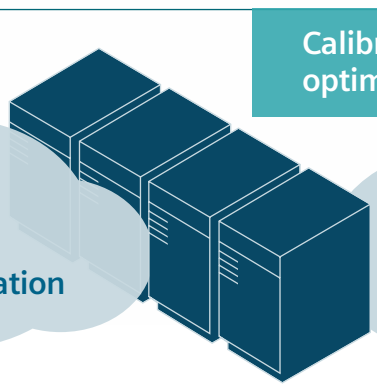
Speed up innovation

Same Calibre quality of results

Keys to success

Best practices

Cloud provider
Cloud server options
Rule deck optimization
EDA tool setup and optimization



Calibre tools and processes optimized for massive scaling

Ease of use
Choice of cloud configuration
Optimized memory use for cloud
Same Calibre engines and licenses

Results: Mentor/AMD/Microsoft Azure collaboration

AMD 7nm
Radeon Instinct™
Vega 20
13.2 billion transistors

Calibre nmDRC™ scaled to 4000 cores + optimizations

What are you waiting for? Get started with Calibre in the cloud today!

Resources: Calibre in the cloud on-demand webinar
bit.ly/35CuWO0
Innovations in physical verification and cloud computing
go.mentor.com/5bVq2
Calibre in the cloud: Unlocking massive scaling and cost efficiencies
go.mentor.com/5bVq3

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