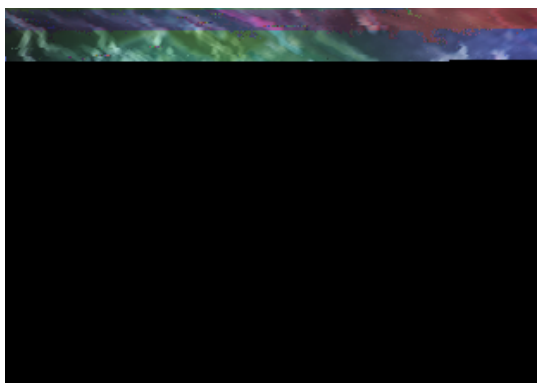


EFFECT Photonics Improves Time to Market for DSP ASIC Design Using Synopsys Cloud

“To support our newly acquired ASIC development business unit from Viasat, we were looking for sustainable, scalable EDA and infrastructure resources that are up and running within few days, so that design engineers can start ASIC design quickly. Within a few weeks, we saw a 20% improvement in engineering productivity.”

~Russell Fuerst, VP-Digital Signal Processing, EFFECT Photonics



Business

Meets Digital,”

“Where Light

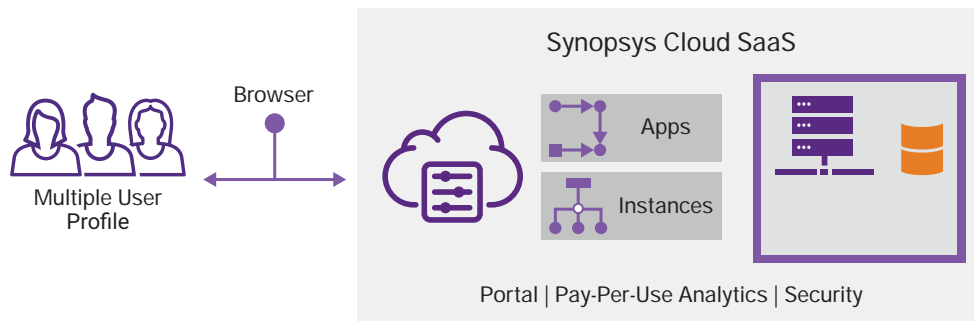
High Level Challenges/What Made us Look at Cloud Solutions?

- NO infrastructure resources and dedicated staff to manage it,
- had not used cloud for design development
- Limited Availability of EDA tools
- Where to start?

Selection Criteria	CAD	

Synopsys Cloud: Bringing EDA Flows, Compute, CAD/IT Management all Together

We started off with the [Digital Instance](#) solution on Synopsys Cloud SaaS providing a complete end-to-end digital implementation flow. This helped us jumpstart the design implementation process within a week. Synopsys demonstrated capabilities of the [Verification Instance](#) and the ASIC team, despite using 3rd party verification tools for over 6 years, decided to migrate the entire setup to work with Synopsys verification tools. Synopsys support was instrumental and ensured no major changes were needed for setup and testbenches. Finally, the RTL to signoff power analysis tools demonstrated excellent power estimation capabilities. Having the entire EDA and infrastructure solution available through Synopsys Cloud checked all the boxes for us, noted Jason Sheplak.



“EFFECT Photonics’ vision is to unlock the power of light to make a difference in people’s lives. To realize this vision, EFFECT Photonics acquired the Coherent Digital Signal Processing ASIC business from Viasat to enable light and digitally powered solutions sustainable, affordable, and scalable. We needed infrastructure and CAD/IT resources to support this new development team quickly and jump-start our ASIC design. After doing exhaustive evaluations of multiple cloud and EDA vendors, we found the Synopsys Cloud SaaS solution is the one-stop shop for complete end-to-end ASIC development. It was the clear winner, exceeding our needs and wants.”

Benefits for Engineers

Key Takeaways

About Synopsys Cloud
