



DIGITAL INDUSTRIES SOFTWARE

Veloce Cloud

A flexible, scalable, turnkey solution for cloud access to Veloce emulation capacity

Benefits

- Cloud capacity access in a secure environment
- Flexible multi-user solution
- No data center infrastructure investment required.
- Leverage existing Veloce Eco-system of apps and solutions.
- Scalable for 4M to 5B gate designs

Introduction

Siemens Veloce Cloud provides capacity for growing project and organizational needs. Designed with security in mind, customers can expect Veloce Cloud to provide a secure multi-user environment to help complete their verification projects on time. Emulation use cases such as simulation acceleration, pre-Silicon SW development, HW/SW co-verification, power and performance analysis, and System level validation are just a few of the use cases that extend to Veloce Cloud.

Veloce Cloud provides cloud-based access to Veloce emulation capacity by way of three offerings: Veloce Cloud Emulation-as-a-Service (EaaS), Veloce Cloud and Infrastructure-as-a-Service (IaaS) and Veloce Cloud Hosting.

Veloce Cloud accessibility

One of the primary values of cloud-based emulation is its accessibility for the subscribers. On premise emulation requires significant investment to manage the infrastructure in the data center. However, Veloce Cloud-based emulation eliminates these barriers by hosting the emulation environment at a Siemens secure facility. In addition to floor space, Veloce Cloud offerings will provide required IT management, power and cooling support, and physical security.

The data center that hosts Veloce Cloud is isolated from the Siemens network. Veloce Cloud provides a dedicated set of capacity to a specific customer project team during the subscription period. By democratizing access to emulation, Veloce Cloud empowers a wider range of use cases to leverage the benefits of emulation technology.

New to Veloce emulation?

If so, the EaaS offering delivers turnkey solutions to meet your hardware-assisted verification needs. Targeted for those who need the benefits of emulation but lack the in-house expertise and /or emulation capacity to execute these tasks efficiently, Emulation-as-a-Service (EaaS) Provides everything ranging from cloud-based collaboration to best practice execution and bring-up emulation flows are available to ensure project deadlines are met.

With EaaS, a dedicated Siemens team provides, via a cloud-based environment, a production-proven emulation flow on your design to make your design emulation-ready in the time frame you need to execute project tasks. EaaS enables you to reap the benefits of both reduced project risk and CAPEX cost through our expert-driven execution of proven Veloce emulation methodologies on your design without your owning Veloce hardware.

Project deadlines looming?

With Veloce Cloud IaaS provides peak capacity for growing project and organizational needs. Targeted at existing Veloce emulation customers, IaaS and its subscription model, provides emulation customers a peak usage solution. IaaS provides all the necessary servers, disk space and emulation SW required to operate Veloce.

Out of space in your data center?

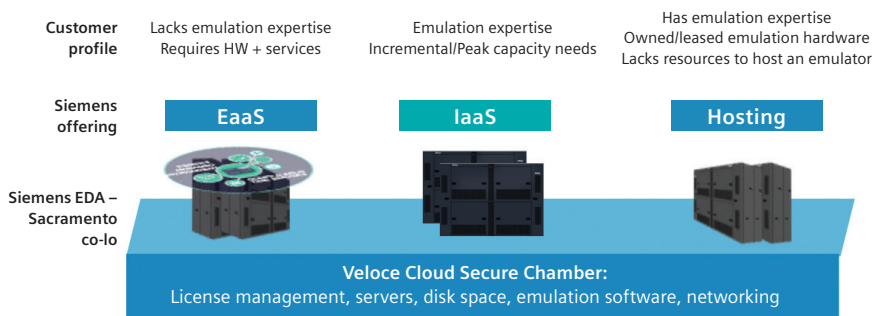
For those companies with existing Veloce resources, Veloce Cloud Hosting is available to augment existing capacity. Veloce Cloud Hosting provides the ability to connect to the customer’s existing network. Essentially making the Veloce Cloud Hosted capacity available as a logical extension of that network. This allows sharing of licenses and tools locally installed on the existing network.

Veloce Cloud cost effectiveness

Veloce Cloud-based emulation offers a different cost model than traditional emulation. With on-premises emulation, organizations typically need to invest from their capital budget in Veloce hardware, servers, networking, maintenance, and infrastructure upgrades.

In contrast, Veloce Cloud-based emulation eliminates the need for substantial upfront investments and ongoing maintenance costs. Users can simply pay for the subscription period allowing for greater cost predictability and scalability. This cost-effectiveness makes emulation accessible to smaller organizations and individuals who may find it financially prohibitive to invest in capital equipment.

Veloce Cloud offerings



Collaboration

Veloce Cloud-based emulation facilitates seamless collaboration among geographically dispersed teams. Veloce Cloud capacity can be easily shared and accessed by multiple users. Management of who has access to the capacity can be fully managed by the IT team using job management tools. By breaking down geographical barriers and enabling effective collaboration, Veloce Cloud-based emulation promotes teamwork and accelerates development cycles.

Innovation

Veloce Cloud-based emulation can be a catalyst for innovation by enabling all Veloce hardware-assisted verification use modes. Customers can innovate in areas of SW based validation and development, simulation acceleration, power-performance analysis, functional safety, or any of the other Apps and solutions Veloce provides. The Veloce Cloud

environments can be provisioned and scaled, eliminating the need for the customer to set up and configure the Veloce hardware and software environments by themselves. All this work is managed by Siemens experts. This capability allows developers and researchers to focus on their task at hand, not managing the Veloce Cloud environment.

Conclusion

Veloce Cloud offers compelling values that have the potential to revolutionize how customers access emulation capacity. Through enhanced secure accessibility, cost-effectiveness, collaboration, and innovation, this technology empowers individuals and organizations to leverage emulation's benefits without significant barriers. By embracing Veloce Cloud-based emulation, individuals and organizations can unlock unprecedented opportunities and stay focused on the technological advancements in their line of business.

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