PLUNIFY

PLUNIFY CLOUD

Plunify Cloud is a solution for FPGA developers interested in cloud-based acceleration platforms. Plunify Cloud enables organizations of all sizes to work on FPGA designs, leveraging the flexibility of cloud computing. By using the plugin, users can compile, optimize and test their designs seamlessly on the cloud, as if they are running locally.

FEATURES & FUNCTIONS

Seamless Integration with Vivado

As a Xilinx and Amazon Web Services(AWS) partner, Plunify provides the only software solution that is fully integrated with your Vivado tools. You can launch instances (virtual servers) to compile your design with a single click, download and debug your results all from Vivado, locally.

Accelerate Your FPGA Applications

Launch an AWS F1 instance to run your FPGA application via Plunify Cloud. After launching, you can directly access the server to test and monitor your design. Focus on building the best design. Leave the cloud configuration and infrastructure security to us.
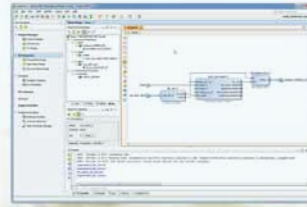
One Account to Access Them All

Plunify Cloud provides a single account to access multiple cloud vendors. Using a credit-based system, you decide which cloud provider offers the best fit and value. Use Plunify Cloud API to quickly build and automate your development flows.
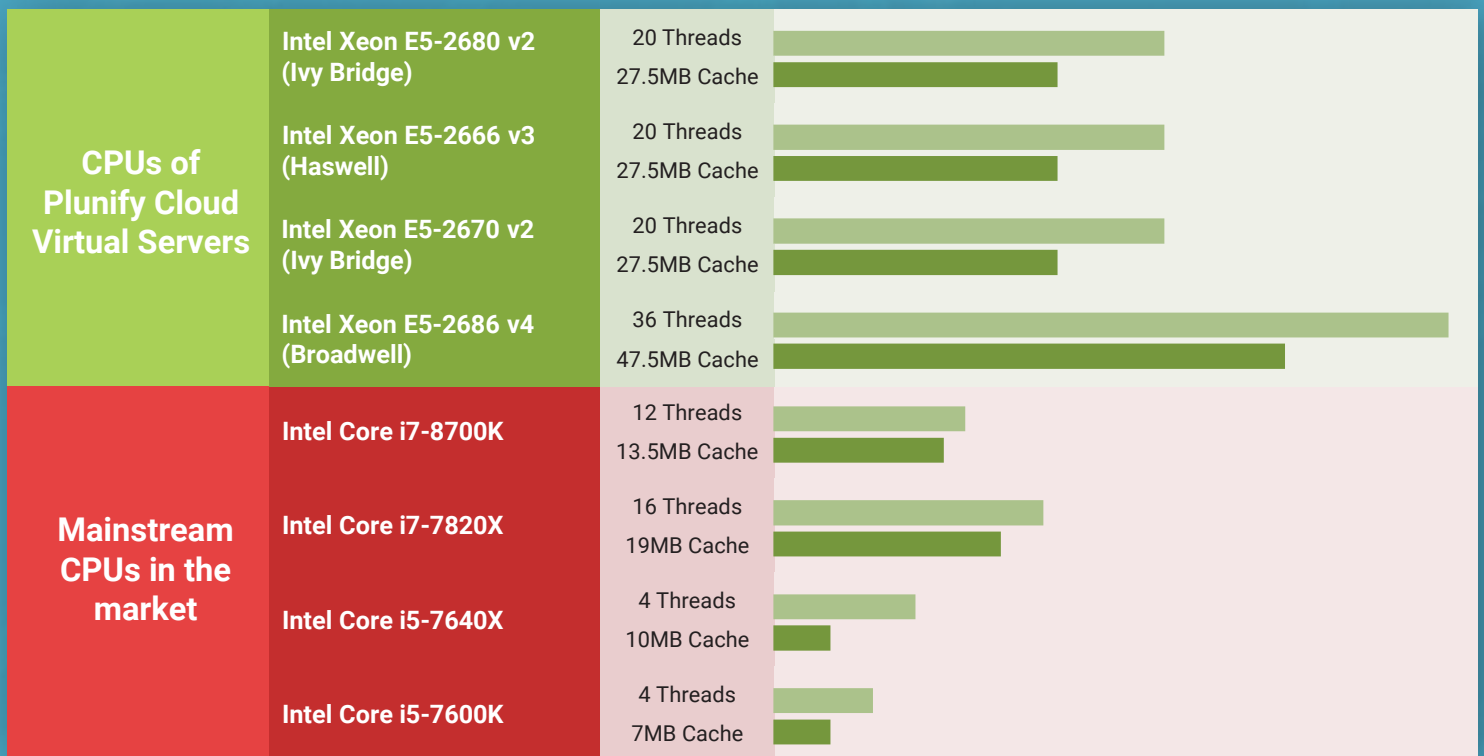
Optimize Your Designs

Leverage the power of massive cloud resources and InTime machine learning optimization capabilities. InTime uses the compilation settings and placement strategies in FPGA tools to optimize your design.

More Than Just Cheap Computing

The cloud is more than just about reducing high fixed capital investment for a new project. Smart use of cheap computing enables novel ways of design space exploration. Let InTime machine learning capabilties improve your design's speed, area and power like never before.

PERFORMANCE COMPARISON

CPUs of Plunify Cloud Virtual Servers	**Intel Xeon E5-2680 v2 (Ivy Bridge)**	20 Threads / 27.5MB Cache
	Intel Xeon E5-2666 v3 (Haswell)	20 Threads / 27.5MB Cache
	Intel Xeon E5-2670 v2 (Ivy Bridge)	20 Threads / 27.5MB Cache
	Intel Xeon E5-2686 v4 (Broadwell)	36 Threads / 47.5MB Cache
Mainstream CPUs in the market	**Intel Core i7-8700K**	12 Threads / 13.5MB Cache
	Intel Core i7-7820X	16 Threads / 19MB Cache
	Intel Core i5-7640X	4 Threads / 10MB Cache
	Intel Core i5-7600K	4 Threads / 7MB Cache

About Plunify

Plunify helps chip design companies optimize FPGA designs with big data and machine learning. Plunify is based in Singapore and in the United States. Vivado and ISE are registered trademarks of Xilinx, Inc. InTime is a registered trademark of Plunify Pte Ltd

Plunify Pte Ltd
Email: tellus@plunify.com

Singapore
82, Lorong 23 Geylang, Atrix Building, #05-14, Singapore (388409)

United States
4962 El Camino Real #225 Los Altos, CA 94022 USA

China
Room 1737, Level 17, Raffles City Tower 2, No. 3 Section 4, South Renmin Road, Wuhou District, Chengdu, 610041, China

PLUNIFY