



GROVF

Accelerating Business Insights

HW Acceleration for Big-Data Applications

Generate business analytics in near real time

- 10x – 50x acceleration of processing of big-data application
- Deployable over cloud or on-premise
- Cost savings – additional server and power consumption

INTRODUCTION

In today's world, a business's success or even survival depends on utilizing data to make decisions. With the advent of billions of IOT devices and AI, the data is expected to grow exponentially. Businesses are facing a huge problem with processing of these huge data and generate useful business insights in time in a sustainable way.

Grovf develops FPGA based hardware acceleration solutions for big data processing that enables applications to run 10x - 50x faster with low latency. In addition, businesses can maximize their server utilization and save on infrastructure and power consumption cost.

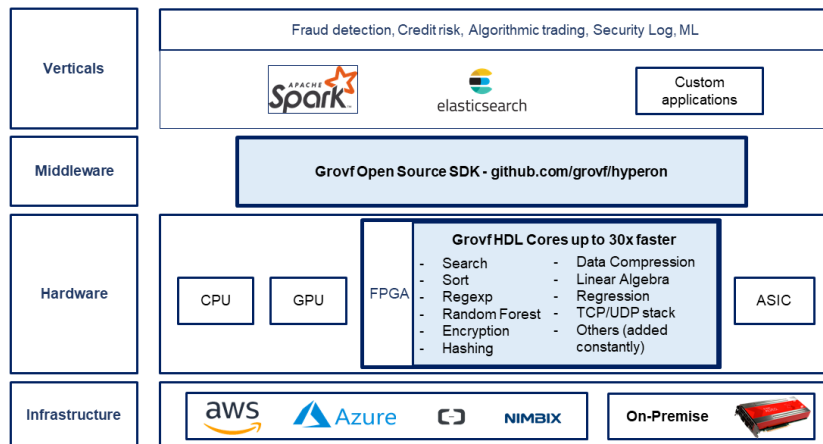
PRODUCT OVERVIEW

The Grovf accelerated solutions works seamlessly on the Xilinx® Alveo™ U200 Data Center accelerator card – on premise or on cloud. The solution can be deployed on AWS or Alibaba cloud.

SOLUTION OVERVIEW

Hardware Acceleration Platform for Big-Data Processing

Grovf leverages the Xilinx® Alveo™ U200 Data Center accelerator card to accelerate big data applications such as Spark, Elasticsearch etc. Grovf's solution lies under user application (Spark, Elasticsearch etc.) layer - in the middleware and in Xilinx FPGA. To an end user, Grovf is transparent meaning end users can effortlessly integrate Grovf's Big Data acceleration open source layer into their applications without having any "black boxes" into the infrastructure.



Properties of Grovf Solution

- Deployable over cloud or on-premise
- Independent of cloud platform (AWS, Alibaba cloud, Baidu cloud etc.)
- Independent of HW platform
- Independent of Big Data computing platform

Advantages of Grovf Solution

- Derive critical business insights 10x – 50x faster
- Cost efficient – 10x acceleration means 10x less servers
- Power efficient – by using less power hungry FPGA
- Highly scalable – lower cost, higher performance and platform independence

CONCLUSION

Grovf's hardware acceleration solution using Xilinx FPGA provides unparalleled accelerations for big-data applications and enables businesses to derive critical insights in real time. In addition, Grovf's solution provides significant cost savings in infrastructure spending and power consumptions.

TAKE THE NEXT STEP

Get in touch with Grovf to learn more. Contact us to accelerate your applications and to do POCs. Let us know if you would like to see any specific benchmark.



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