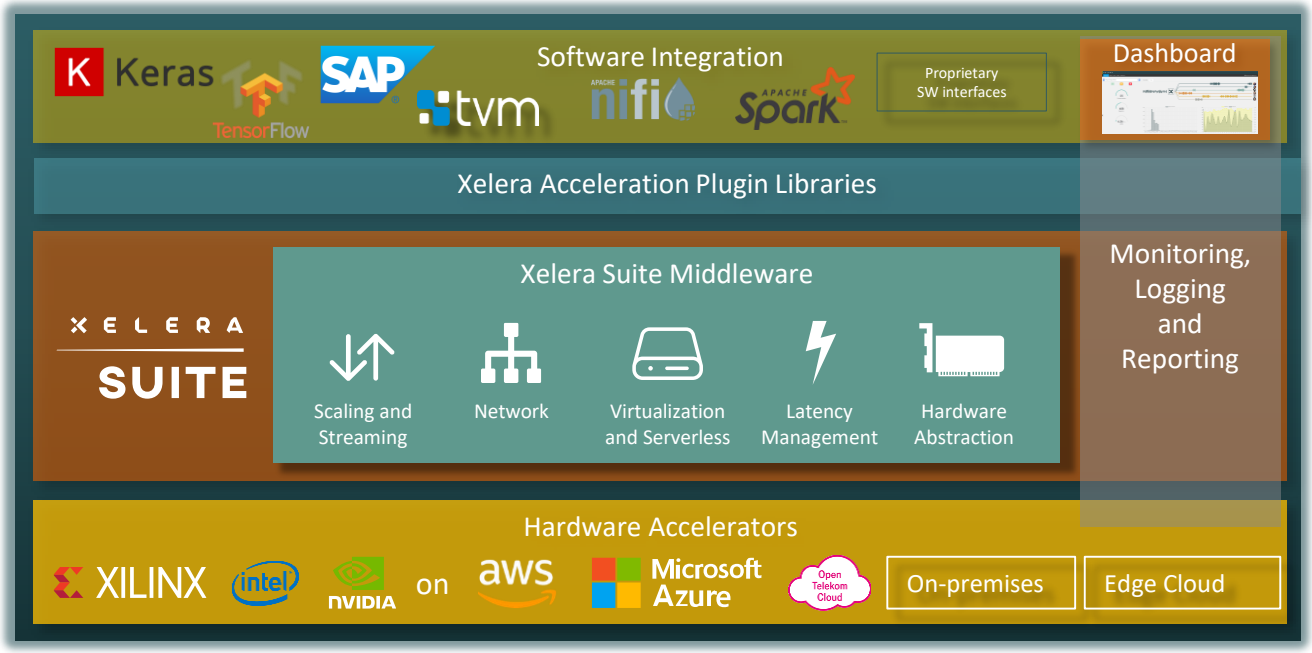
XELERA SUITE

THE ACCELERATION PLATFORM

BUSINESS CONTEXT & BENEFITS

Modern companies are increasingly challenged to adapt to the rapid data growth and real-time processing requirements, i.e. the necessity to process raw data in ever shortening time intervals. The common solution is to utilize hardware accelerators that can ease big data analytics by bringing compute tasks from hours to minutes/seconds, or reduce the latency of real-time critical applications down to milliseconds. But then a new question arises: how could I leverage hardware acceleration without disrupting my workflow? **Xelera Suite** is a **hardware-agnostic**, **on-demand scalable** and **easy to deploy acceleration platform** which takes care of the customer's acceleration needs in a click. A particular application area is Edge Computing.



PRODUCT OVERVIEW

- Deployment of Xelera Acceleration Plugin on the hardware accelerators (FPGA, GPU)
- Includes Xelera's high-level software integrations
- "Serverless" support
- Deployment through containers and Container Management Frameworks
- Scale-up / scale-out on demand
- Ultrafast intra-accelerator communication
- Autonomous distribution of workload across accelerators
- Engineered to guaranty latency as workload increases
- Deployment as a network service
- Life cycle management decoupled from application
- Monitoring, logging and reporting through comprehensive, adjustable dashboard

HARDWARE REQUIREMENTS

Recommended
CPU: Intel Core 5. Generation, 4 physical cores or equivalent
RAM: 4 GB
FREE DISK SPACE: 4 GB

OS: Linux RHEL/CentOS 7, SUSE 12, Ubuntu 16.04 or later (64 bit)
FGPA: Xilinx Alveo family, Intel PAC family or equivalent
GPU: Nvidia Tesla family

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ACCELERATE COMPUTING.