

THE ACCELERATED DATA CENTER Drive new levels of throughput – and innovation.

INNOVATORS ACROSS INDUSTRIES ARE **ACCELERATING THEIR DATA CENTERS WITH GPUs**









DEEPER BUSINESS

RESULTING IN

DISCOVERIES

NEW SCIENTIFIC

INSIGHTS

& SERVICES

SMARTER PRODUCTS

EMBRACED GPU ACCELERATION

THE HPC COMMUNITY HAS

with tremendous adoption across HPC applications



















Caffe



CNTK



*TensorFlow

theano



WHILE LOWERING COSTS

Let's look at a data center

with a daily throughput of

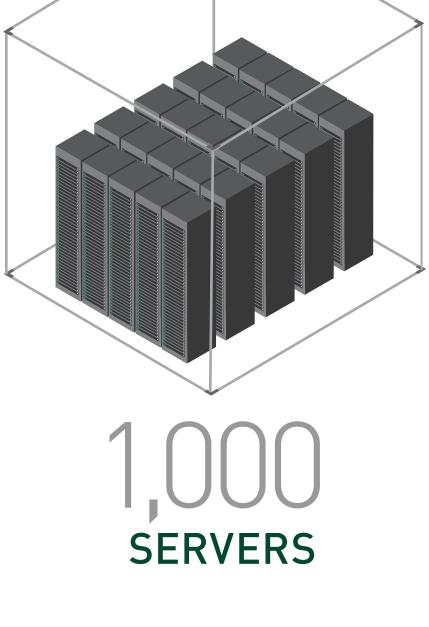
SEE HOW YOU CAN BOOST THROUGHPUT

JOBS PER DAY

Assume 1 server can handle 1 job

CPU-ONLY

DATA CENTER



HARDWARE &

SOFTWARE COST

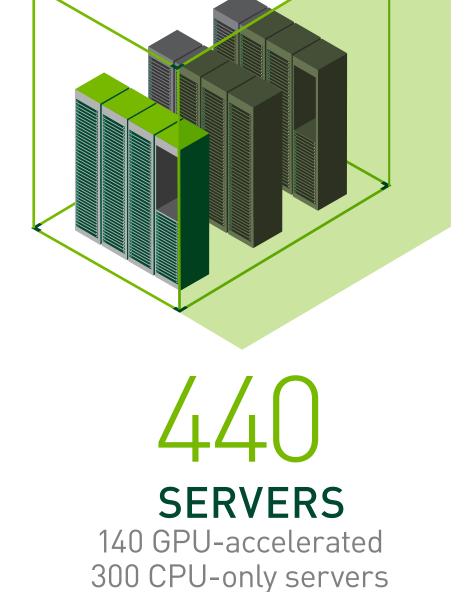
OPERATIONAL COST

GPU-ACCELERATED

DATA CENTER

Assume 70% of the jobs are

accelerated with 5x speed up







POWER COMSUMPTION **SPACE REQUIREMENTS**

BOOST DATA CENTER THROUGHPUT

DISCOVER, CREATE, AND DELIVER MORE THAN EVER BEFORE

Get to know the NVIDIA® Tesla® accelerator family,

including the advanced new Tesla P100. www.nvidia.com/tesla

Download the NVIDIA Tesla whitepaper on GPU-accelerating your data center. www.nvidia.com/datacenterthroughput

