DATACENTER IMPERATIVES IN THE NEW ERA

Evžen Pavlovský
Regional Business Manager CEE
What Happens in an Internet Minute?

- 639,800 GB of global IP data transferred
- 204 million Emails sent
- 20 New victims of identity theft
- 47,000 App downloads
- $83,000 In sales
- 61,141 Hours of music
- 20 million Photo views
- 320+ New Twitter accounts
- 3,000 Photo uploads
- 100,000 New tweets
- 277,000 Logins
- 6 million Facebook views
- 2+ million Search queries
- 1.3 million Video views
- 30 Hours of video uploaded

And Future Growth is Staggering

Today, the number of networked devices = the global population
By 2015, the number of networked devices = 2x the global population
In 2015, it would take you 5 years

Intel

to view all video crossing IP networks each second
PRESSURE ON IT TO SCALE
BMW IT Support:

~1 Million CARS IN 2012
~100K EMPLOYEES HISTORICALLY
~10 Million CARS IN 2018

Source: Intel
RELENTLESS PACE
Increasing IT Expectations
SELF SERVE
CUSTOM
ON-DEMAND
RESILIENT
Datacenter Requires An EVOLUTION

DATACENTER 1990 - 2000
“DIVERSITY OF SYSTEMS”

DATACENTER 2000 - 2010
“VIRTUALIZED RESOURCE POOLS”

AND NOW....
DATACENTER AS A SYSTEM

FACILITIES NETWORKING HARDWARE SOFTWARE OPERATIONS

ENABLING “IT as a SERVICE”
IMPERATIVES

Competitiveness
Efficiency Through Standards

Convergence
Between Compute, Storage, Networking

Capabilities
To Unlock Insights of Big Data
A NEW BASELINE
OF EFFICIENCY

10¢
PER VM HOUR

Average Infrastructure as a Service Cost

Source: Intel
WORKLOAD ORCHESTRATION

Key to the future of IT efficiency
The Server, Network, Storage Lines Are Blurring
NEW STORAGE OPTIMIZATIONS DRIVEN BY COMPUTATION

Intelligent Tiering
Real Time Compression
Thin Provisioning