



**Hewlett Packard**  
Enterprise

# 다양한 워크로드에 최적화된 HPE ProLiant Gen10 포트폴리오

정석원 부장, Category Manager



# X86 그 이상의 진화된 Compute, HPE ProLiant Gen10을 소개드립니다.



1



Secure

2



Memory

3



Tuning

4



Compute  
Level

5



Storage

6



Manage

# DL380 Gen10



**초고성능** - HPE Only 3.9GHz 고속 Processor 지원  
**인메모리** - 1TB의 Persistent Memory 설치가능  
**인공지능** - 336TFlops Tensor성능/ 1920 Tensor Core 설치가능

**1**  **Secure**  
Digitally Signed firmware, Secure Start  
Root of trust, HTTPs boot, Intrusion detection

**2**  **Memory**  
192GB NVDIMM  
1TB HPE Scalable Persistent Memory

**3**  **Tuning**  
Intelligent System Tuning  
(Jitter Smoothing/Core boosting)

**4**  **Compute Level**  
8 PCIe 3.0 Slots  
3x Double wide Accelerator Support

**5**  **Storage**  
Max 194TB Storage  
30 SATA SSDs Support/19LFF+2SFF Support

**6**  **Manage**  
iLO5 / Advanced Premium Security  
Oneview

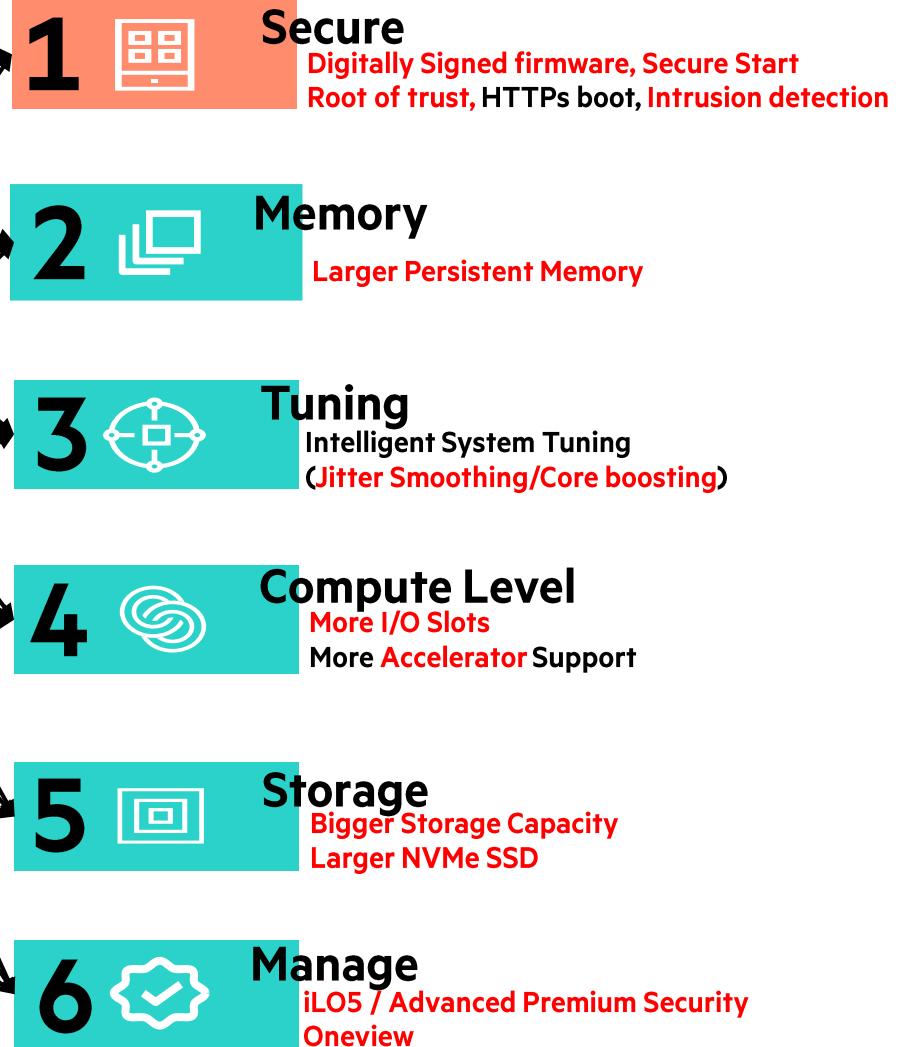
1U 2 Xeon Processor **DL360 Gen10**



2U 2 Xeon Processor **DL380 Gen10**



2U 4 Xeon Processor **DL560 Gen10**





# Chapter 2. New Compute Area

# 세계최초 TOP500에 등재된 Intel Xeon Scalable HPC System



**888 Nodes, 6148 Processor  
#65 in Top500, 1.75Pflops Rmax**

# Worldwide #1 Green Supercomputer



## Green500 List for June 2017

Listed below are the June 2017 The Green500's energy-efficient supercomputers ranked from 1 to 10.

**Note:** Shaded entries in the table below mean the power data is derived and not measured.

TOP500			Cores	Rmax (TFlop/s)	Power (kW)	Power Efficiency (GFlops/watts)
Rank	Rank	System				
1	61	<b>TSUBAME3.0</b> - SGI ICE XA, IP139-SXM2, Xeon E5-2680v4 14C 2.4GHz, Intel Omni-Path, NVIDIA Tesla P100 SXM2 , HPE GSIC Center, Tokyo Institute of Technology Japan	36,288	1,998.0	142	14.110

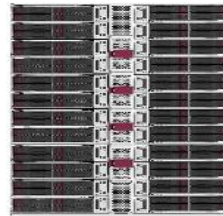
## Supercomputing / Enterprise / Commercial HPC

### SGI® 8600



Liquid cooled, delivering industry leading performance, density, & efficiency

### Apollo 6000 Gen10



Extreme Compute Performance in High Density

### Apollo 2000 Gen10



The bridge to enterprise scale-out architecture

1

2

3

4

## Deep Learning / Machine Learning

### Apollo 6500



Rack-scale GPU Computing

### Apollo SX40



NVLINK 4SXM2

### Apollo PC40



4 PCI Accelerator

### Apollo KL20



2U 4Nodes Intel Xeon Phi

5

6





# Chapter 3. Hybrid IT Area

# Five 90 Days of

**300+**  
**Customers**  
**chose HPE Synergy**

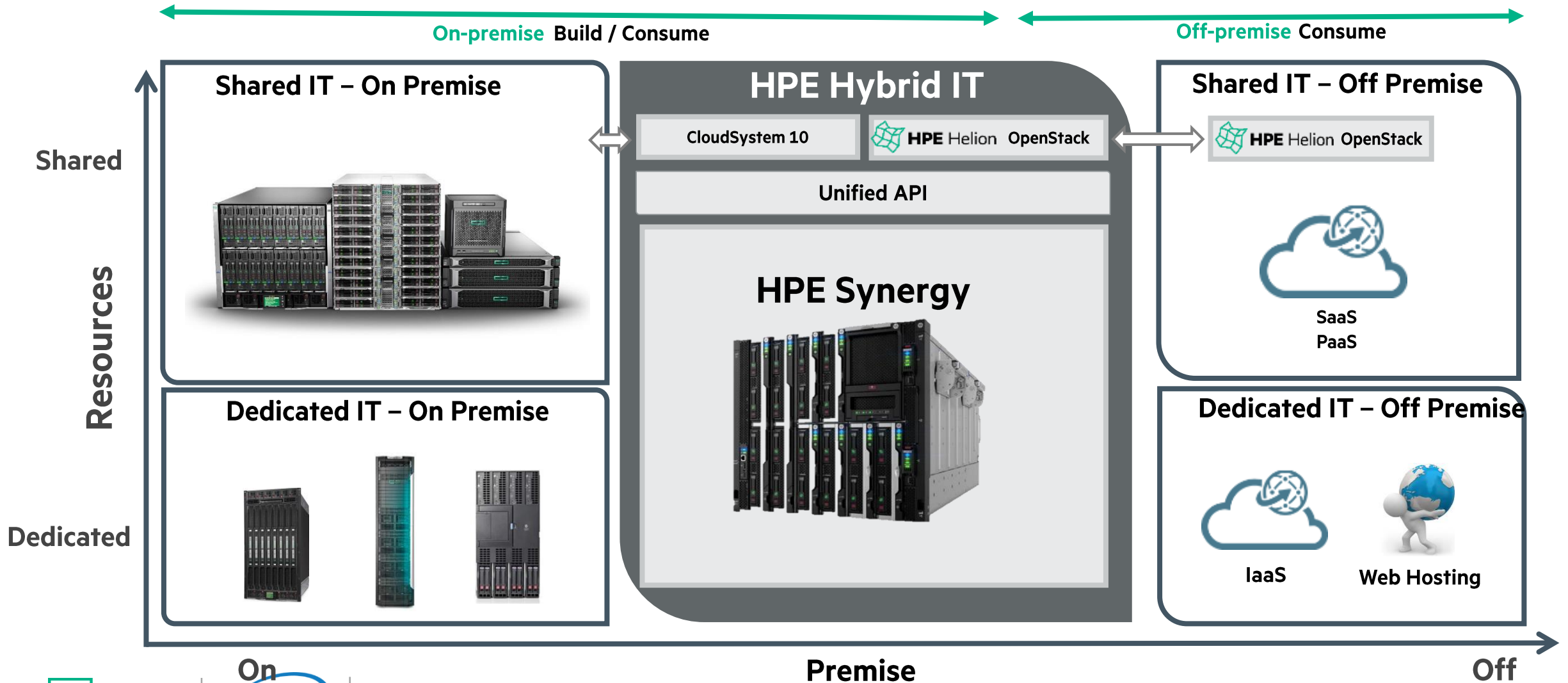
**50%**  
**Lower TCO**

**SUPER FAST**

**Simple**

**Smaller**

# HPE Synergy의 포지셔닝



# Run Business in **ONE** infrastructure with **ONE** Click

## Business

**SUPER FAST**

**30 Seconds** to boot-ready  
Scale Seamlessly



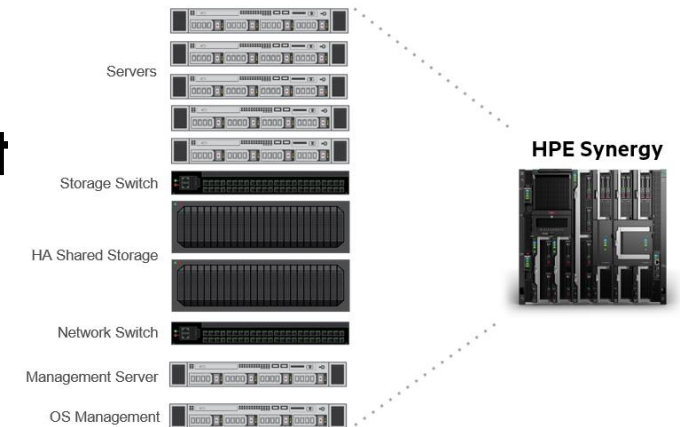
**SIMPLE**

**ONE Tool**  
ONE Infrastructure



**SMALLER**

**Smaller Footprint**  
Less Energy



# Run **ANY** application on **ONE** infrastructure with **ONE** Click

```
HPEOVServerProfile -name mysite01 -template ObjectS
```

I need ....

“App Dev/Test”

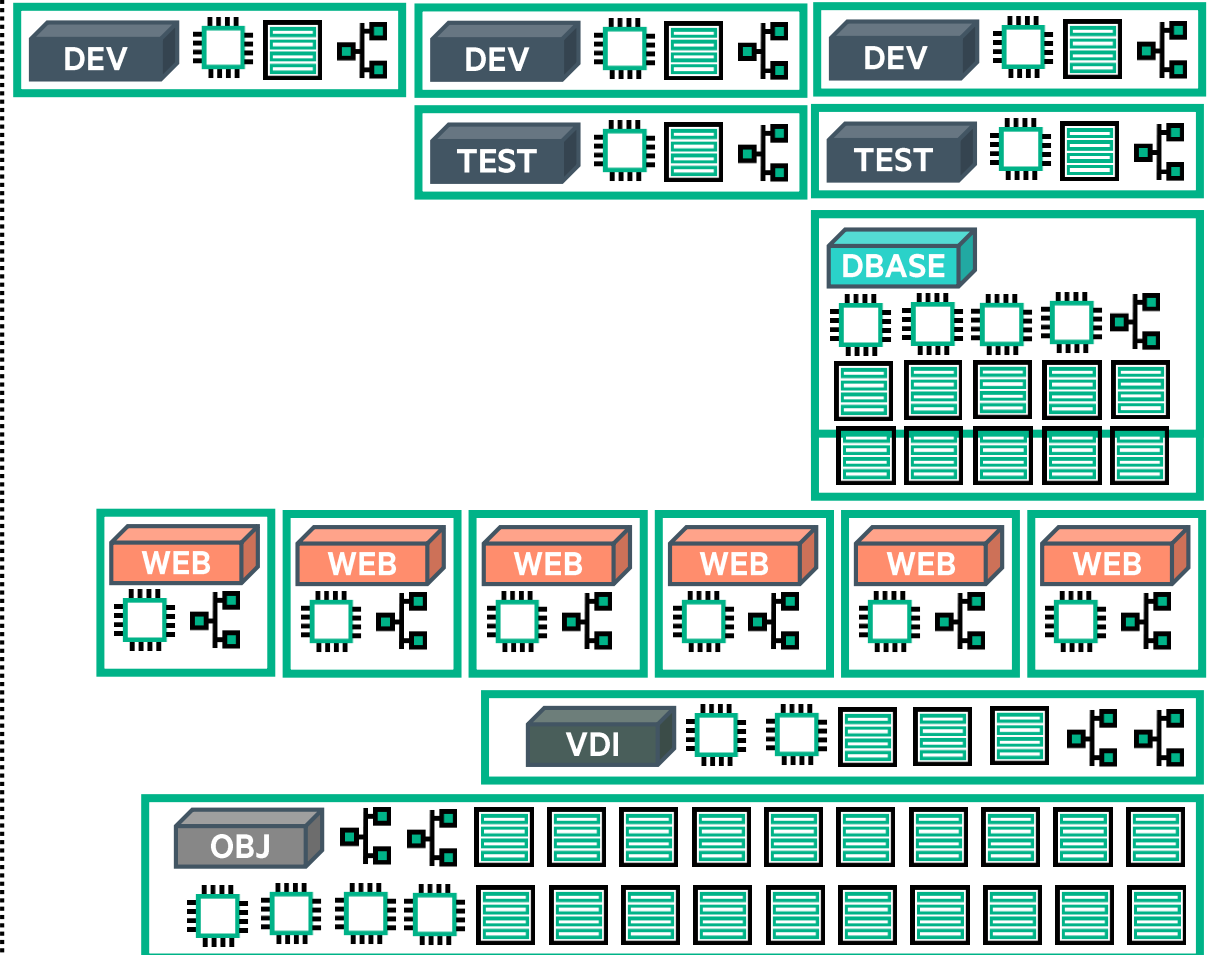
“Database”

“Database” Expansion

“Web” for holiday season

“VDI now and holiday is over”

“and Object Storage”



다재다능한 2 Socket 서버  
**Synergy 480 Gen10**



1.6U 크기에 96명의 워크스테이션 VDI  
1대당 1.5PB 크기의 클라우드 스토리지

초소형 4Socket 서버(6 nodes/10U)  
**Synergy 660 Gen10**



1.6U 크기에 112Core, 6TB 메모리 탑재

1



**Secure**

Digitally Signed firmware, Secure Start  
Root of trust, HTTPs boot, Intrusion detection

2



**Memory**

192GB NVDIMM  
3TB Memory

3



**Tuning**

Intelligent System Tuning  
(Jitter Smoothing/Core boosting)

4



**Compute Level**

Max 6 PCIe 3.0 Slots  
2x Double wide Accelerator Support

5



**Storage**

Max 1.5PB Storage  
200 SFF Support

6



**Manage**

iLO5 / Advanced Premium Security  
OneView

# 진화와 혁신 , HPE ProLiant Gen10 - A New Compute Experience



## Agility

A new experience using  
software-defined  
infrastructure

## Security

The world's most secure  
industry standard servers

## Economic control

A new experience in flexible  
capacity management



**Hewlett Packard**  
Enterprise

**Thank you**

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