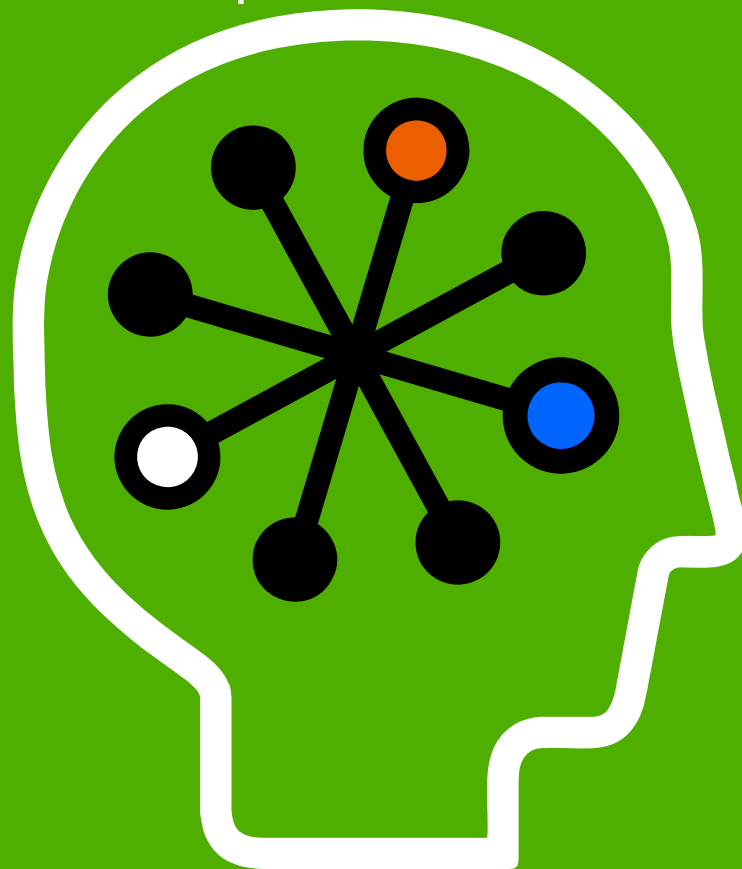




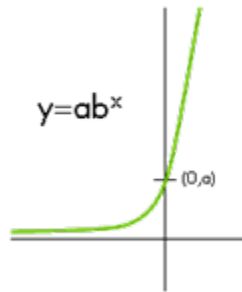
HP BladeSystem for Oracle Optimized Warehouse

Customer Presentation



Technology for better business outcomes

Data drives decisions, decisions drive business



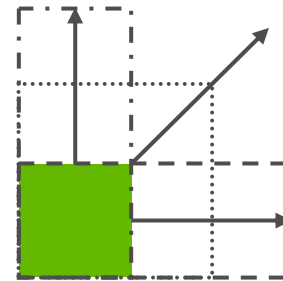
Structured data growth is exponential



Need for speed is insatiable



Costs are increasing faster than ROI



Scaling approaches are complex and costly

Deciding how to keep up with competition and regulation can drive you crazy

A fresh approach

Pre-configured

Pre-installed

Tested

Tuned

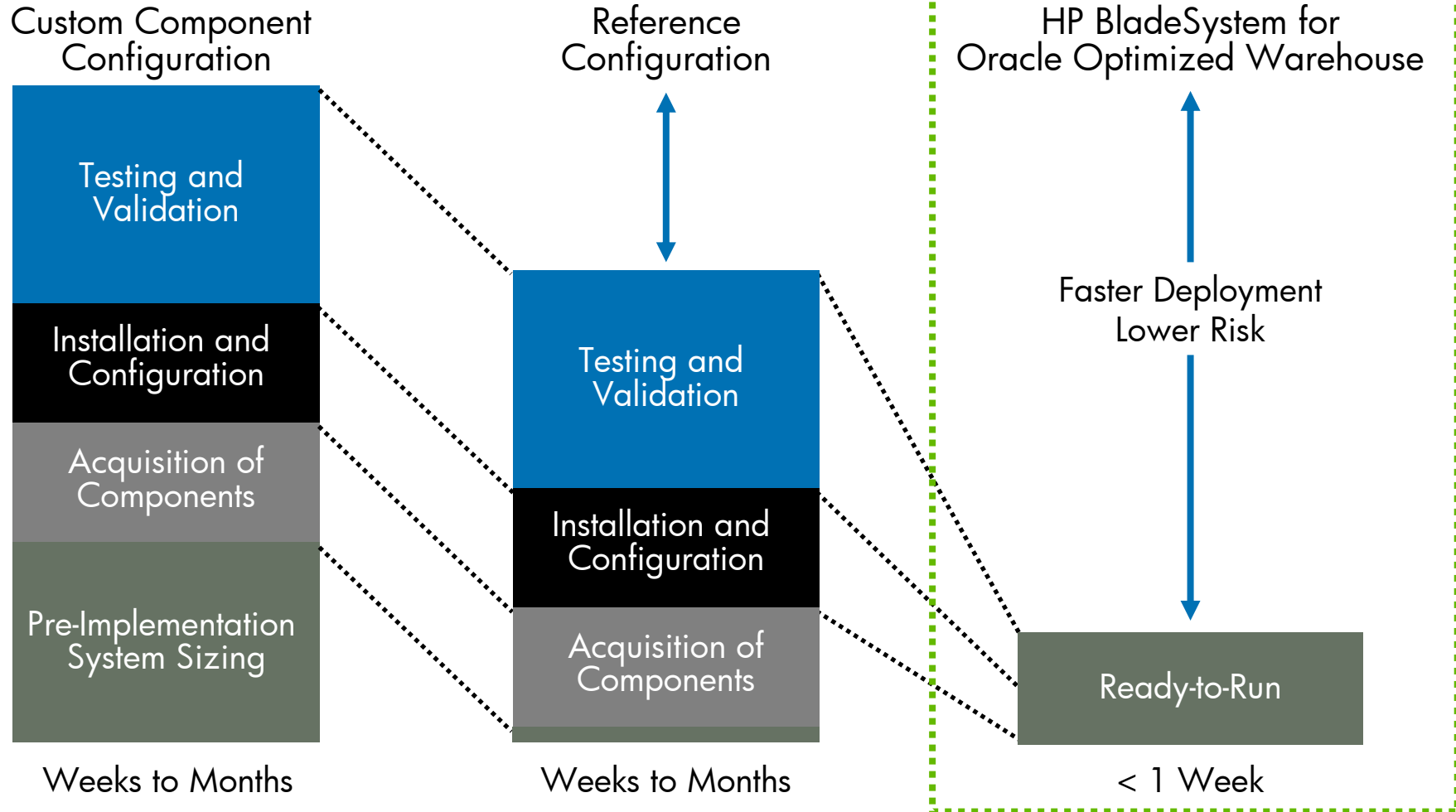
Validated performance

Simplified ordering



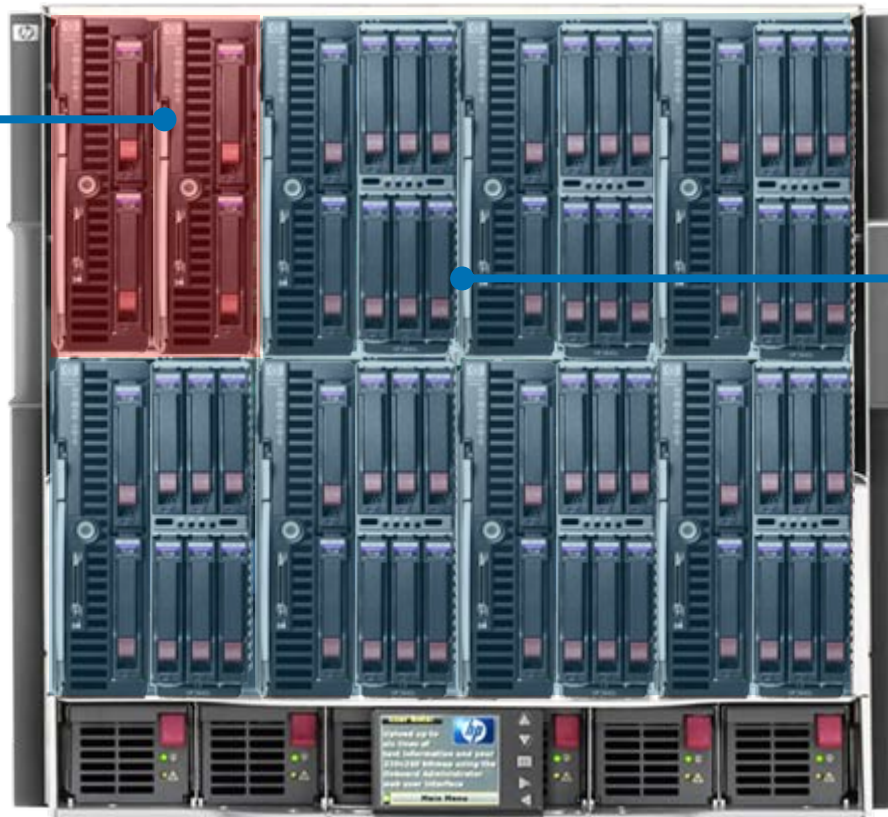
HP BladeSystem for Oracle Optimized Warehouse

A better approach



HP BladeSystem for Oracle Optimized Warehouse

2 Compute nodes



Storage nodes **7**

HP BladeSystem c-Class

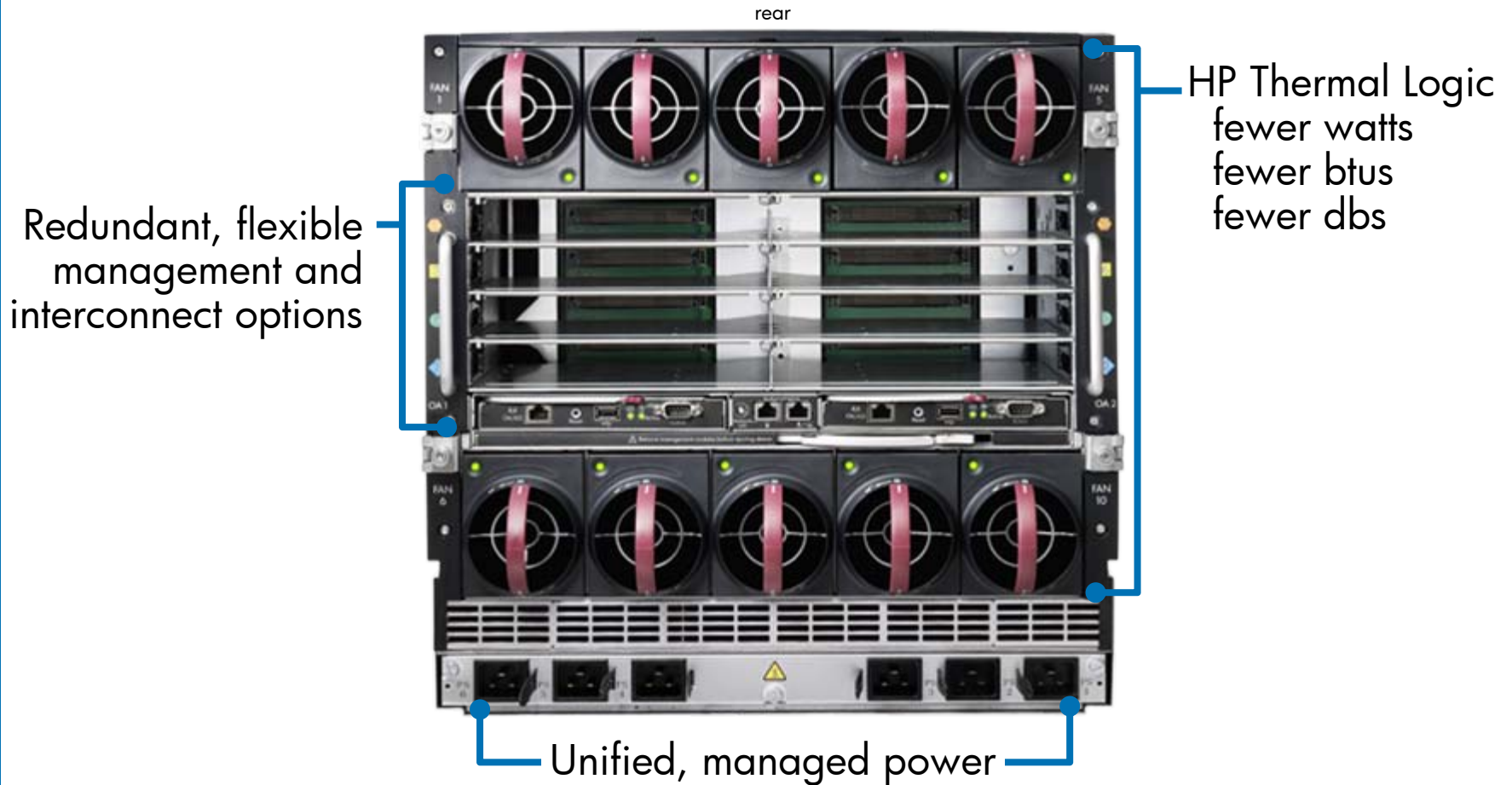
Industry-leading I/O and power efficiency

HP BladeSystem c7000 enclosure



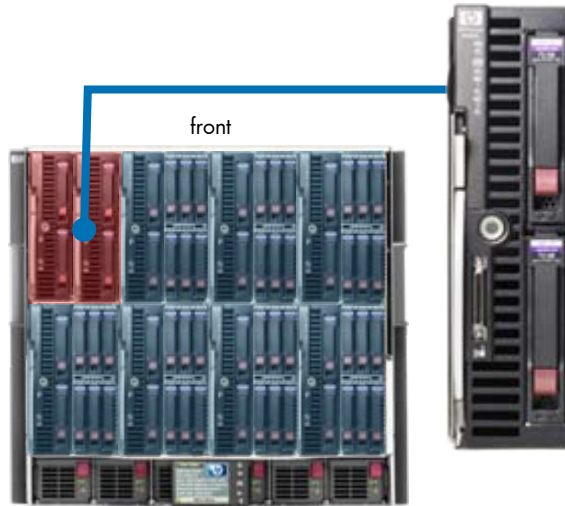
- 5 terabits per second bandwidth
- Resources pooled and shared
- Unified management for all components

HP BladeSystem c7000 enclosure



Architectural View

Oracle Database Enterprise Edition

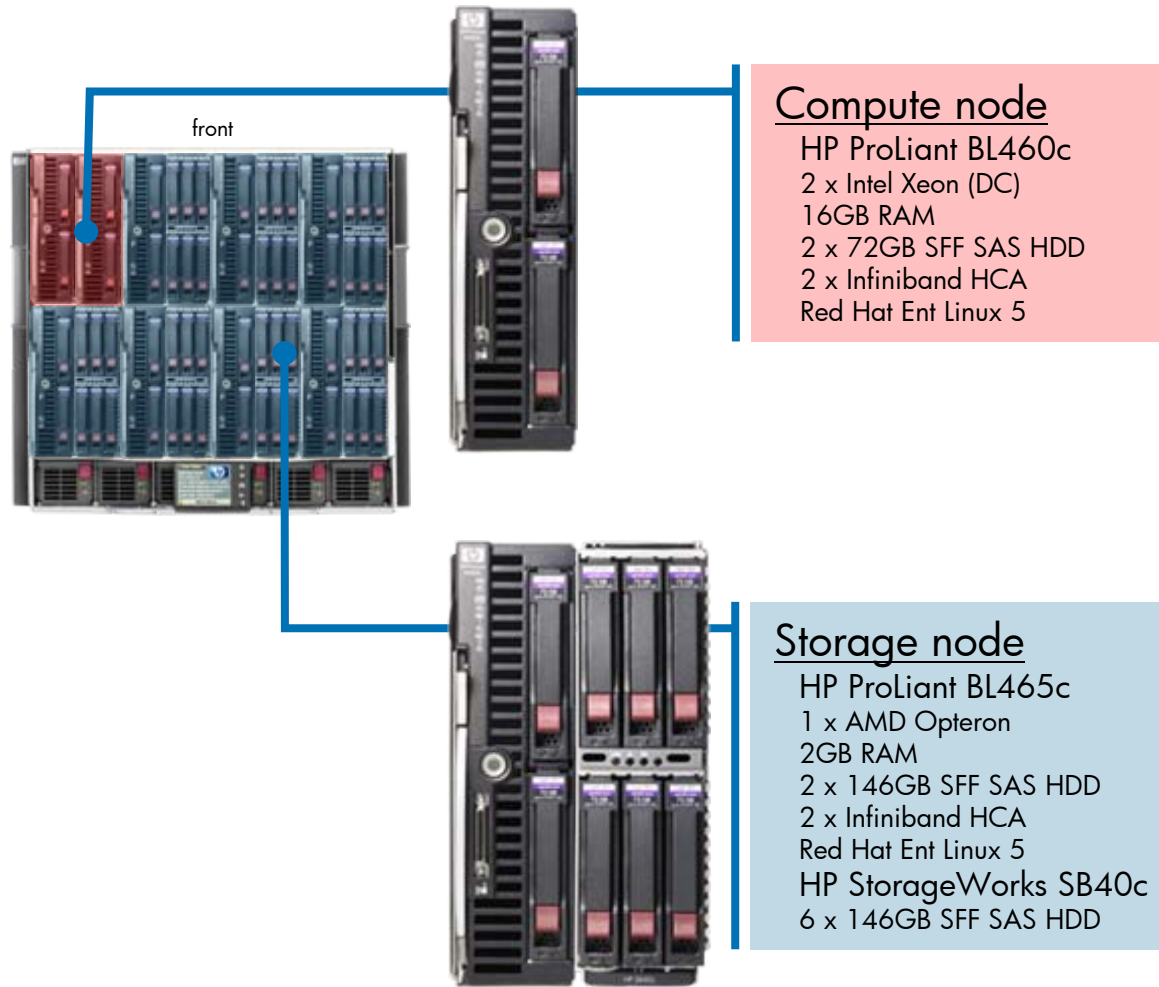


Compute node

HP ProLiant BL460c
2 x Intel Xeon (DC)
16GB RAM
2 x 72GB SFF SAS HDD
2 x Infiniband HCA
Red Hat Ent Linux 5

Images not to scale

Architectural View

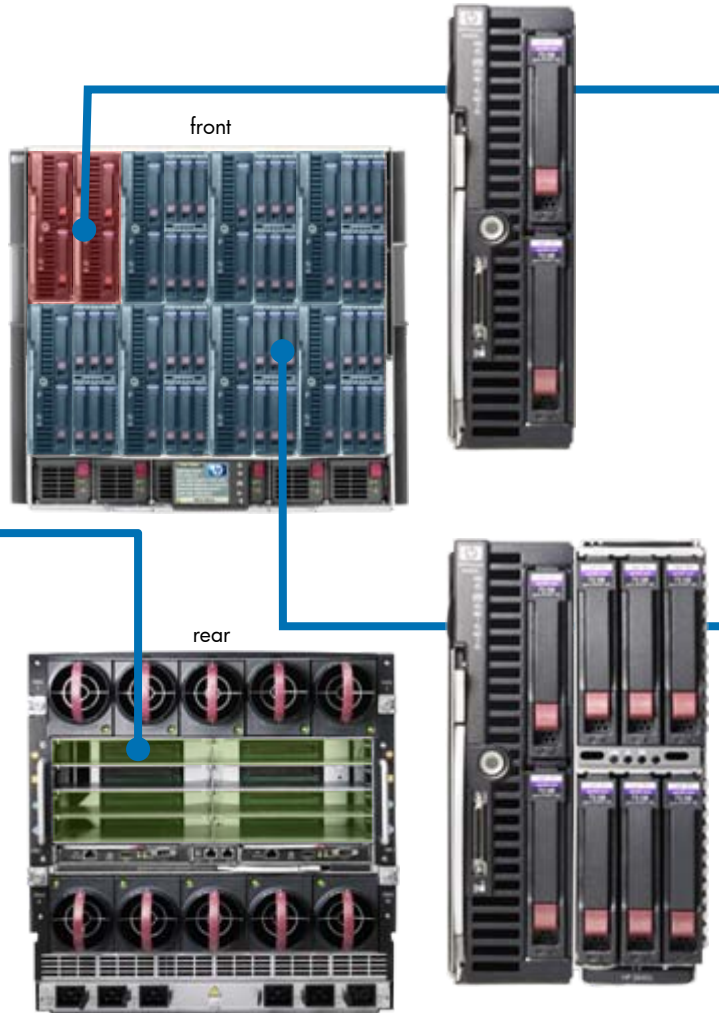


Images not to scale

Architectural View



Ethernet
HP Virtual Connect
2 x 1/10Gb-F Ethernet Module



Compute node

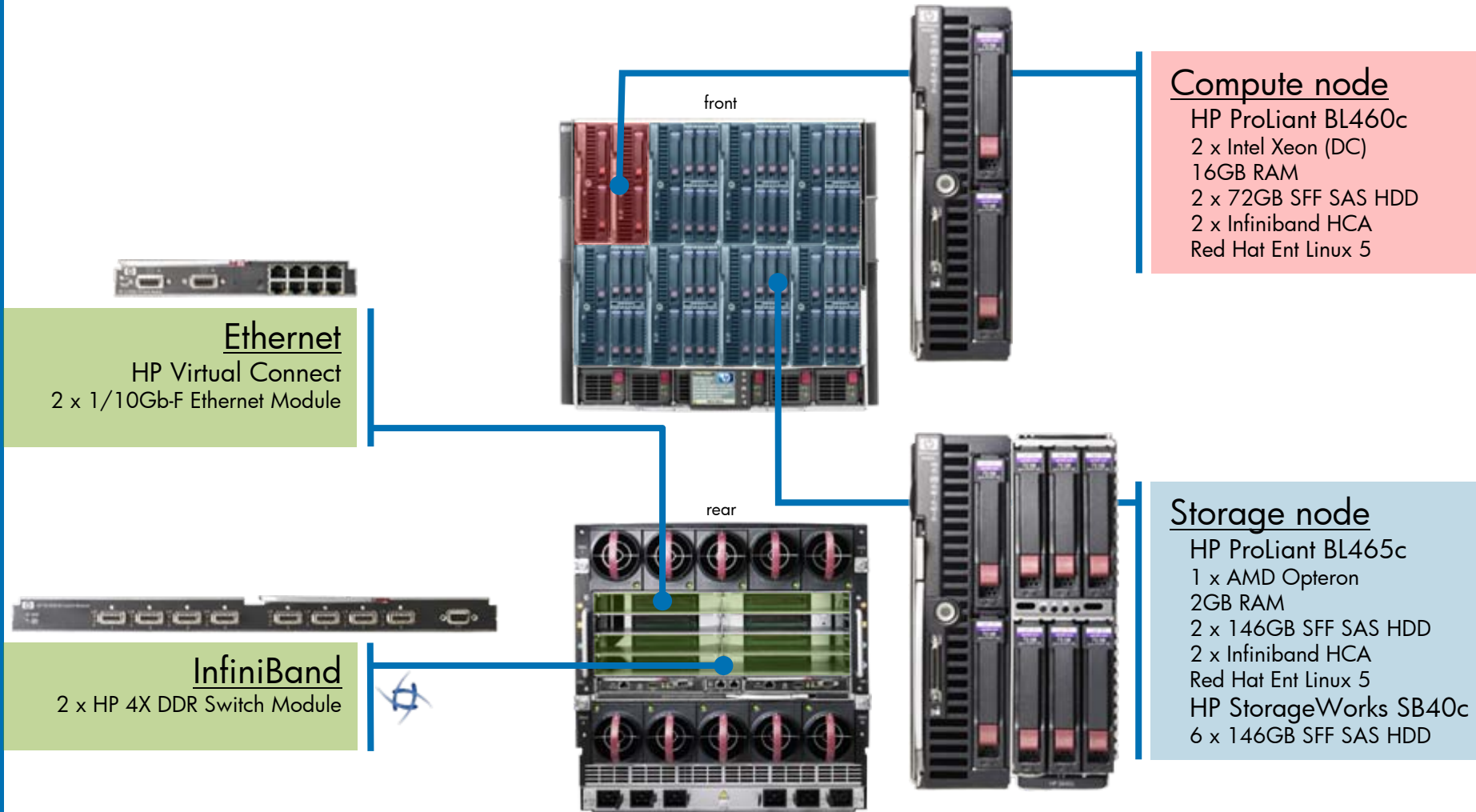
HP ProLiant BL460c
2 x Intel Xeon (DC)
16GB RAM
2 x 72GB SFF SAS HDD
2 x Infiniband HCA
Red Hat Ent Linux 5

Storage node

HP ProLiant BL465c
1 x AMD Opteron
2GB RAM
2 x 146GB SFF SAS HDD
2 x Infiniband HCA
Red Hat Ent Linux 5
HP StorageWorks SB40c
6 x 146GB SFF SAS HDD

Images not to scale

Architectural View



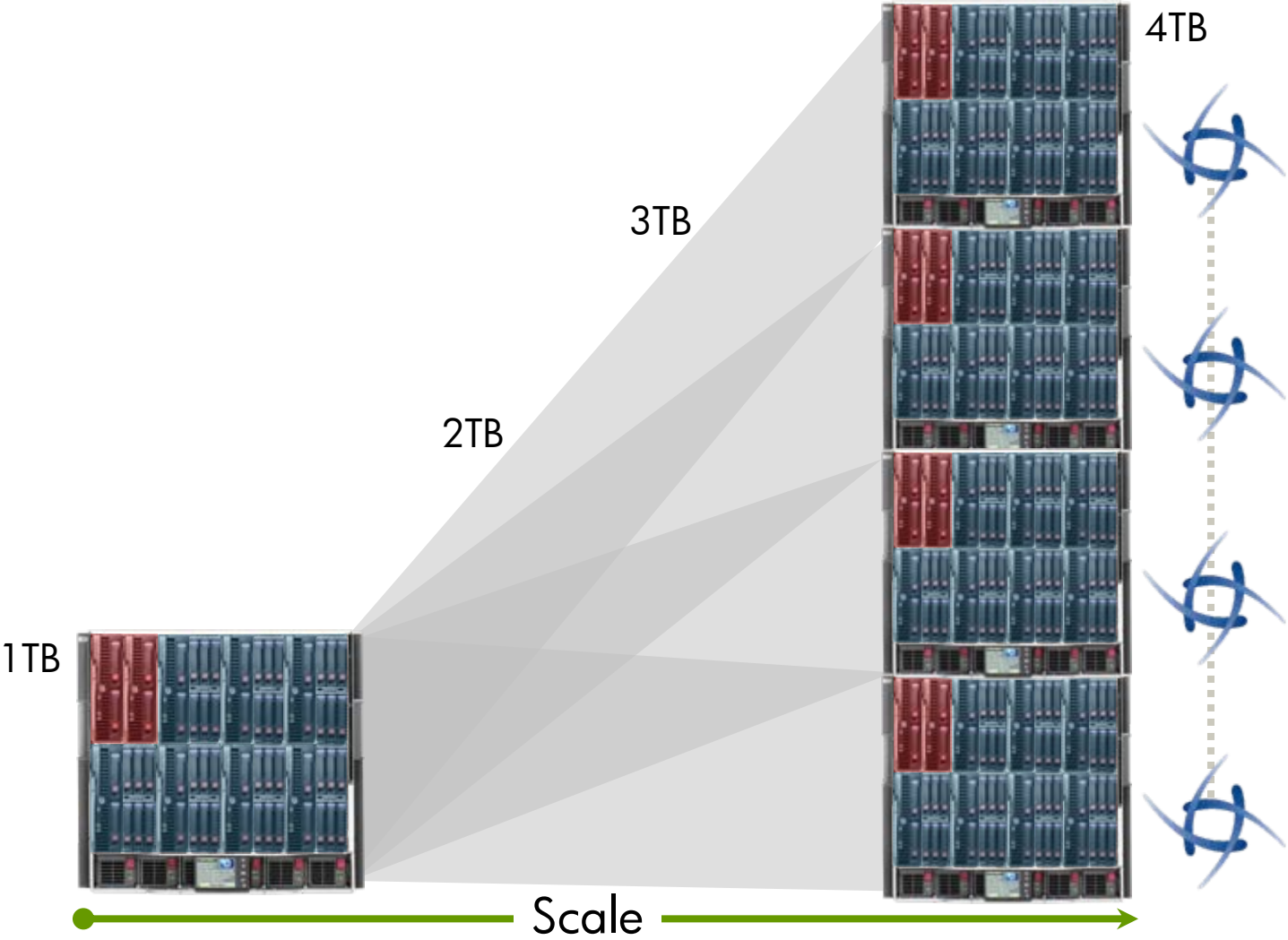
Images not to scale

A modular approach

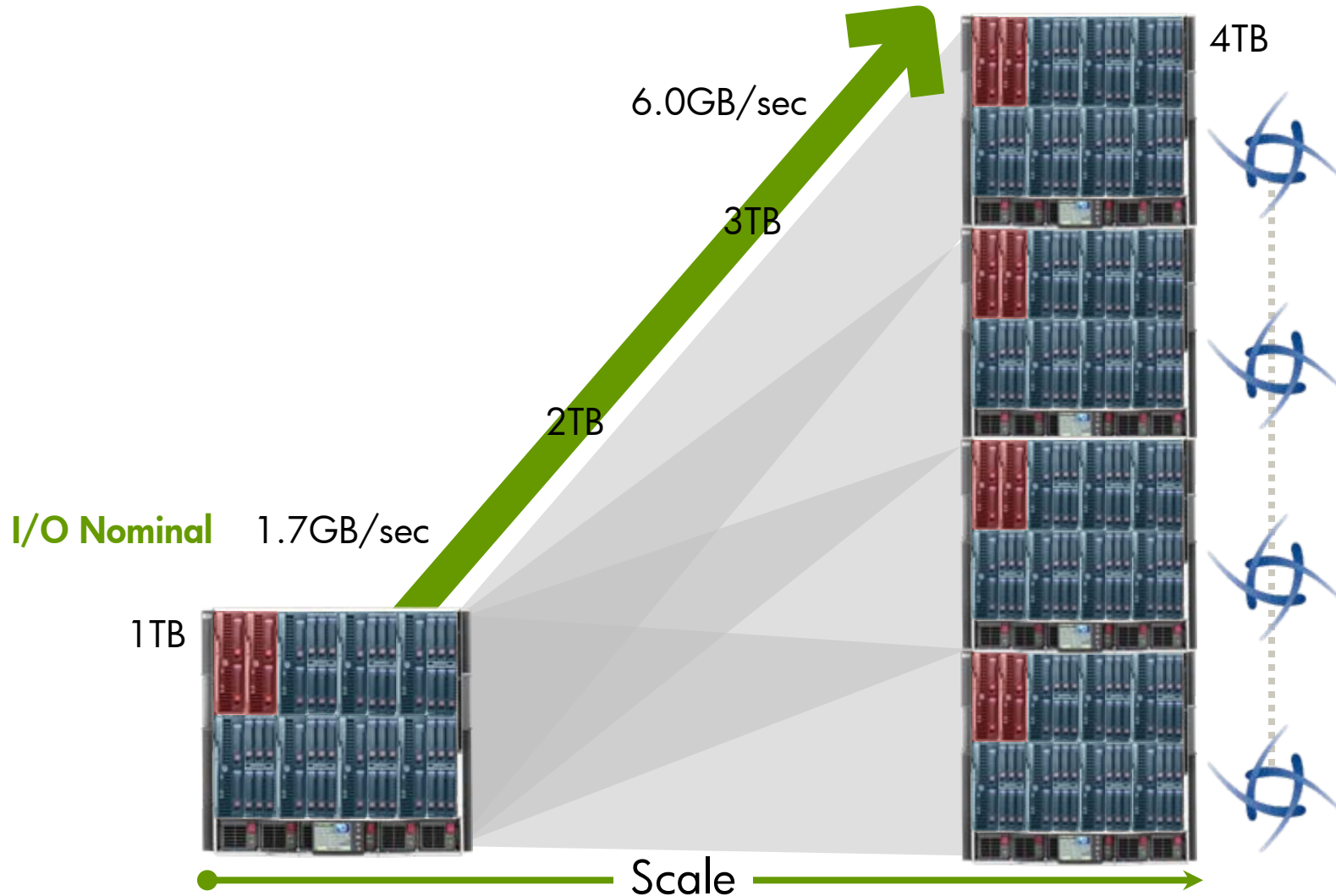
1TB



A modular approach



Industry-leading performance



And efficiently, too

	HP	Brand D
I/O MB/sec	1700	620
Peak watts	1891	2180
Watts per I/O MB/sec	1.11	3.52

1TB



1TB



And efficiently, too

	HP
I/O MB/sec	1700
Peak watts	1891
Watts per I/O MB/sec	1.11

250% better I/O

68% less power per MB

1TB



1TB

D

Simple to order, simple to deploy

- Single part number makes for worry-free ordering
- Available through select HP and Oracle-authorized resellers
- Arrives at your location pre-configured, pre-installed, tested and tuned
- Ready to receive data in a matter of hours

It's an easy decision

HP BladeSystem for Oracle Optimized Warehouse

- Performance
 - validated 250 percent better than other 1 to 4 TB Oracle Optimized Warehouse variants
- Efficiency
 - 68 percent fewer watts per MB of I/O
- Simplicity
 - pre-configured, pre-installed, tested and tuned
 - Single part number ordering

Technology for better business outcomes

