



**Hewlett Packard  
Enterprise**

**HPE Scalable Storage with Intel®  
Enterprise Edition for Lustre\***



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# HPE Apollo 4000 Family: Early Innovation to Market Leadership

2014:  
Leading innovation

2015:  
Extending HPE leadership in storage servers and emerging solutions

## Apollo 4000 Storage Server Family

SL4540 Gen8



**Apollo 4200**  
(2U / 28 LFF  
or 50 SFF)



Purpose built as  
Enterprise Bridge to  
Scale Out Storage

**Apollo 4530**  
(4U / 3 nodes x 15 LFF)



Purpose built for  
Hadoop / Big  
Data

**Apollo 4510**  
(4U / 1 node x 68 LFF)



Purpose built for  
Object Storage

**Apollo 4520**  
(4U / 2 nodes x 46 LFF)



Purpose built  
Clustered  
Storage



# HPE Apollo 4520: System Details

Apollo 4520: Purpose-built for HPC Storage

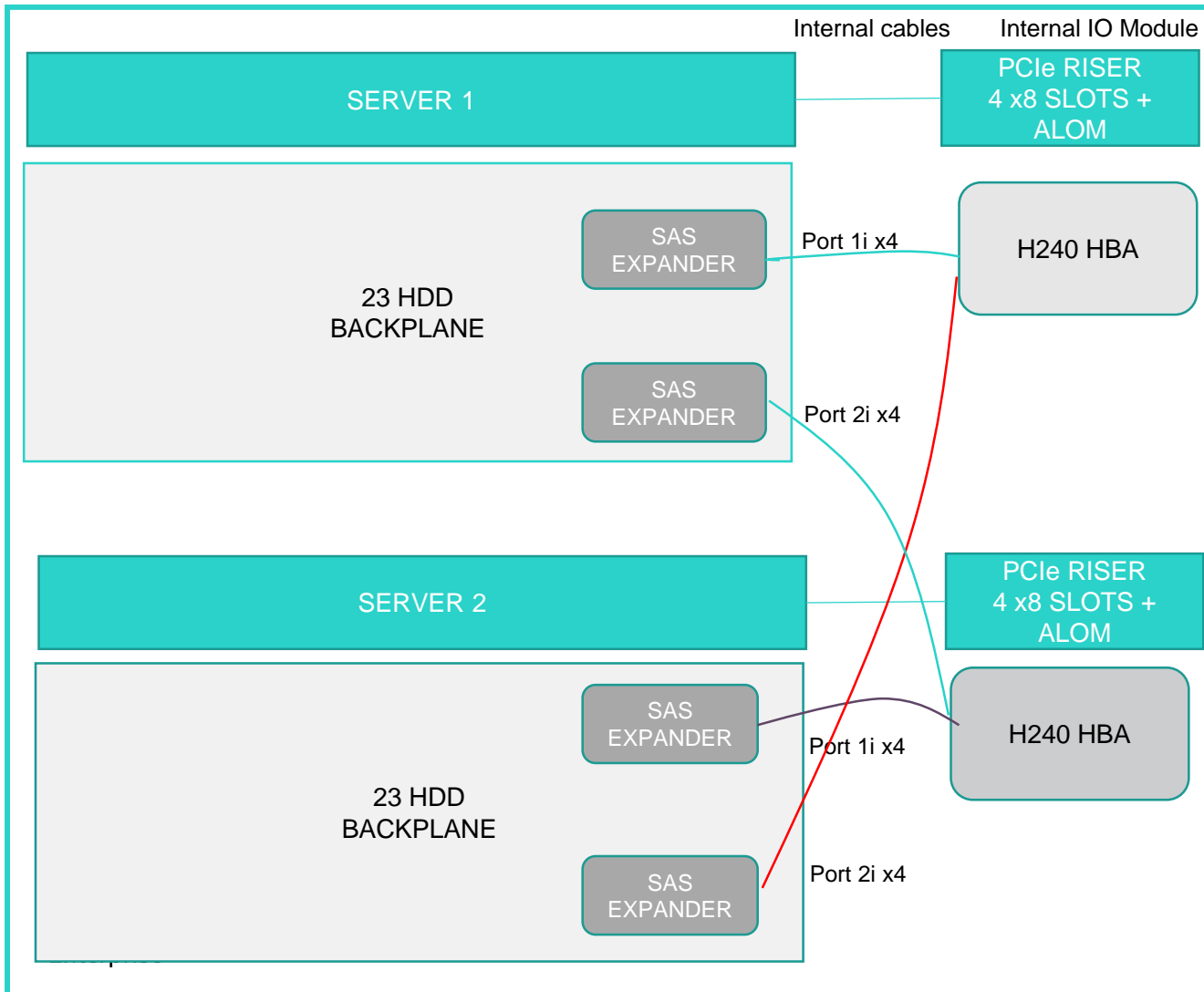


Feature	Server tray details
Processors	Up to 2 <b>Intel® Broadwell Xeon E5-2600v4</b> processors
Memory	<b>16</b> DIMMs (8 per processor), registered, DDR4(1866/2400) w/ ECC
Drive Support	<ul style="list-style-type: none"><li>• Apollo 4520: 46 LFF SAS(12 Gb)/SATA(6 Gb) drives in 2 server</li><li>• Includes support of SFF drives in converter</li><li>• SAS expander</li><li>• Support for Dual M.2 SSDs</li></ul>
Network	Dual-Port 1GbE with FlexibleLOM support Support for <b>EDR InfiniBand and Omni-Path</b> planned
Expansion	Up to <b>4 Low Profile PCIe Gen3 Slots</b> Support for <b>x16 HPC I/O module</b> planned
Display	SUV port, Video, Power/Health/UID Buttons and LEDs
Management	iLO 4 + one optional dedicated iLO NIC port
Other Features	<b>4U chassis height</b> , hot-plug redundant fans, HP Gen9 Flex Slot power supplies (AC and DC versions), Support for dual M.2 SSDs
JBOD Expansion	Support to daisy chain D60X0 JBODs

New features denoted with green text

# Unique Failover Capability Built In to Apollo 4520

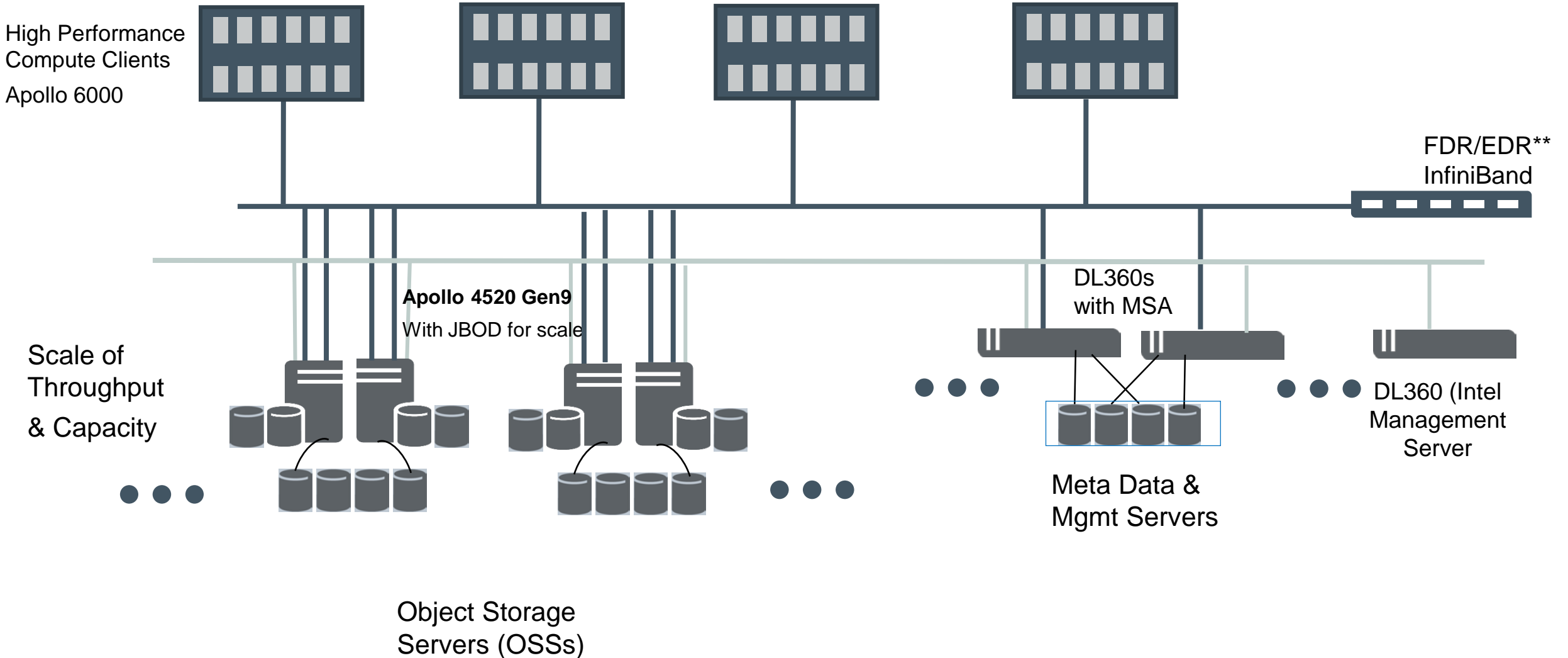
## Cluster-in-a-Box Configuration



- All mini SAS cables are internal
- Option for single or dual controllers per I/O module, depending on performance requirements
- Each server tray has access to all 46 LFF drives

# Enterprise Lustre Storage Environment Architecture

## Scale Out Configuration



Object Storage Servers (OSSs)

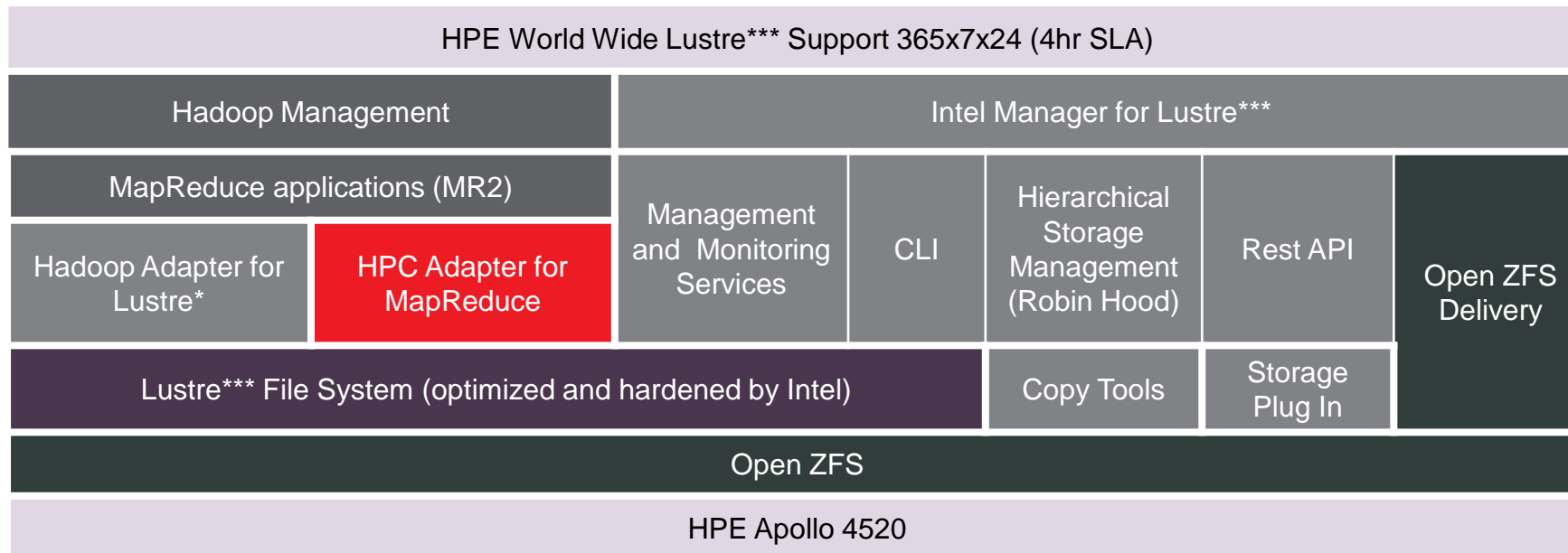
\*\* Future offering

# HPE Scalable Storage with Intel EE for Lustre\*

- Highly Available Cluster in a Box
- Comes with deployment services for installation of Intel® Enterprise Edition for Lustre\*
- Delivered in an “Appliance Like” Manner
- Available in Various Configurations



Apollo 4520



Note: Hadoop ‘connector’ supports Cloudera Distribution for Hadoop 5.0.1 and Apache™ Hadoop® 2.3

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# Call to Action



Learn more at [www.hpe.com/servers/bigdata](http://www.hpe.com/servers/bigdata)



Contact your HPE contacts for more information

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