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# HPE Primera: La nueva era del almacenamiento

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Sponsored by



# World's MOST intelligent storage

for mission-critical apps

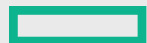
## HPE Primera



On-Demand  
Experience

App-Aware  
Resiliency

Predictive  
Acceleration



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# Engineered to drive unique value in high-end storage

A dark blue background with a grid of glowing red and white dots, connected by thin lines, suggesting a global network or data flow.


## Global intelligence

Powered with the most advanced AI for infrastructure

A dark background with a complex, glowing yellow and red circuit board pattern, representing a multi-node architecture.

## All-active architecture

Multi-node architecture for higher resiliency and limitless parallelization

A dark background with a grid of glowing green and white dots, similar to the first panel, but with a more abstract, data-like feel.

## Services-centric os

An OS that eliminates risk and simplifies management

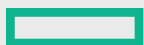
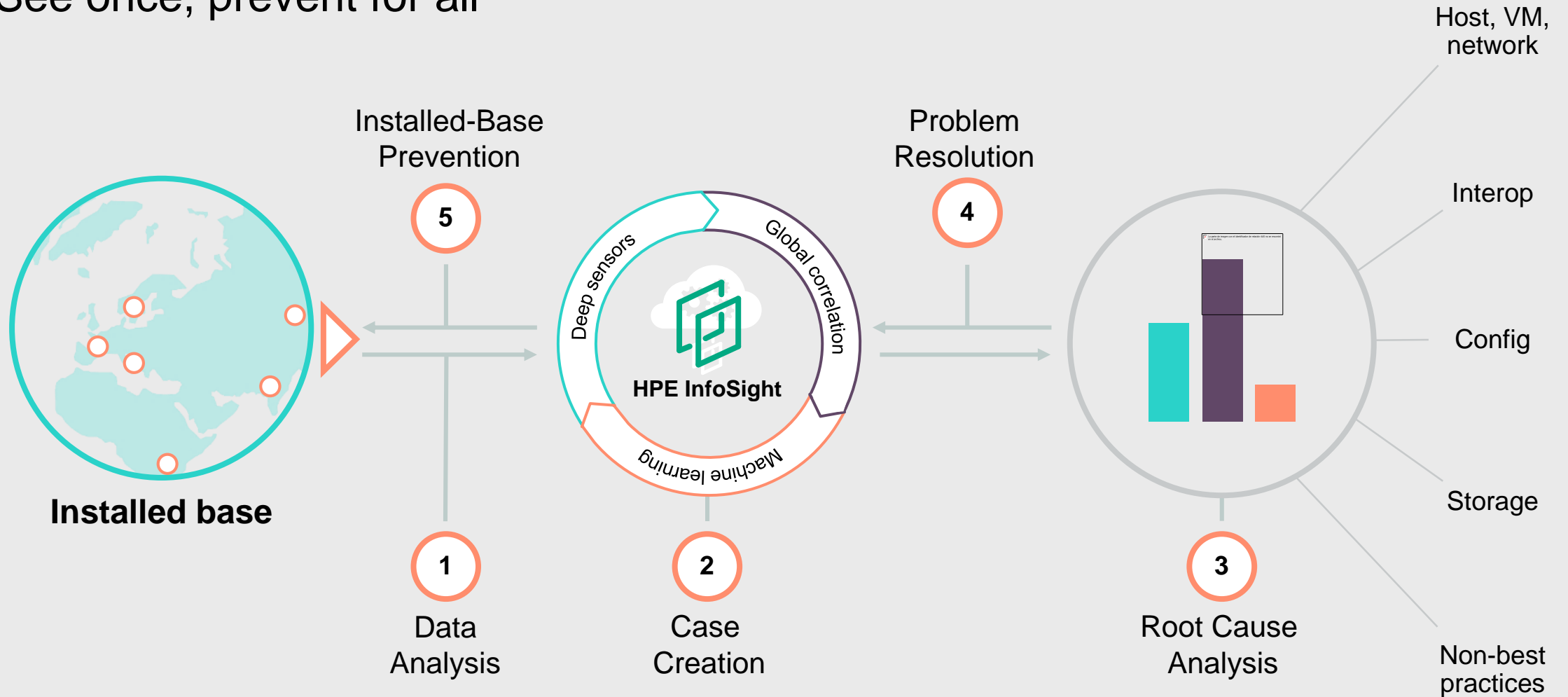
A dark background with a glowing, multi-colored (blue, yellow, red) light burst or lens flare effect, suggesting a timeless or enduring experience.

## Timeless storage

A new ownership experience that keeps getting better

# HPE Storage *App-Aware Resiliency*

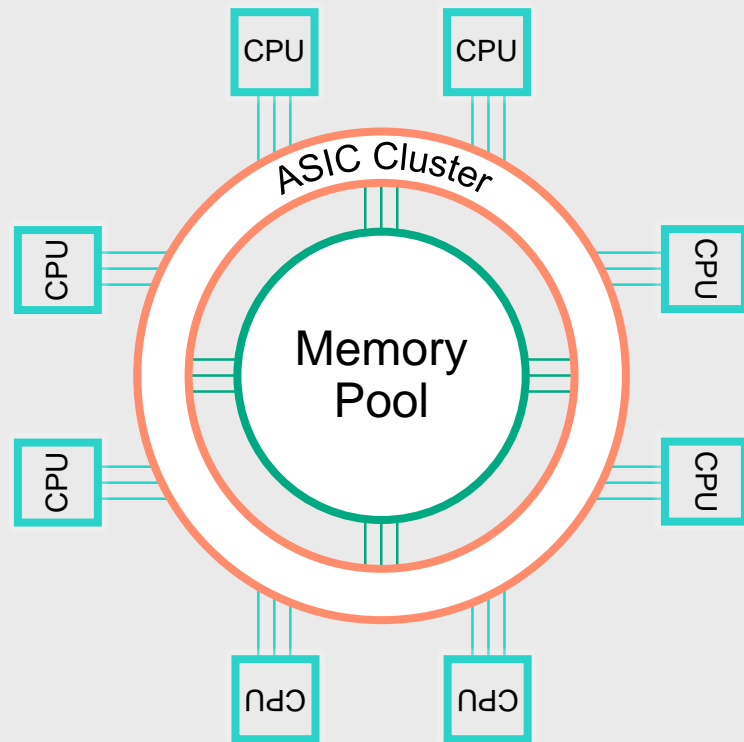
See once, prevent for all



# HPE Storage *Predictive Acceleration*

All-active architecture for screaming fast performance

Every volume intelligently accessing every SSD, node, and port



## **Built for NVMe**

Up to 1.5M IOPS always-low latency

## **No Tuning Required**

Every resource is always balanced

## **Multi-tenancy at Scale**

Quality of service for latency assurance

## **Instant Failover**

True active-active for high resiliency



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# HPE Storage *Predictive Acceleration*

Architectural advantage for NVMe and Storage Class Memory



## Limitless Parallelization

All controllers with unified cache serving I/O concurrently thru multiple paths



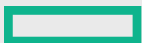
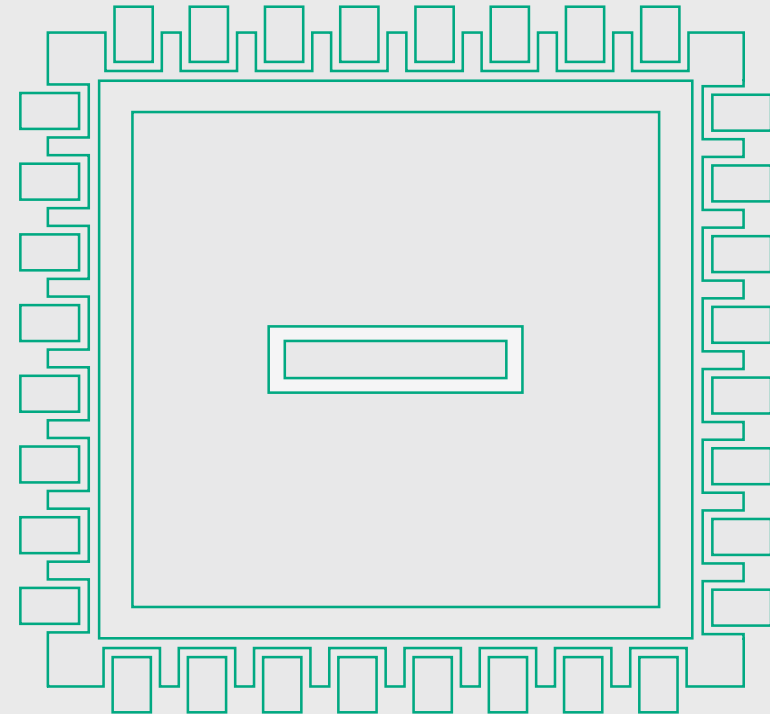
## Memory-driven

SCM and NVMe-optimized through software defined, hardware-enabled architecture

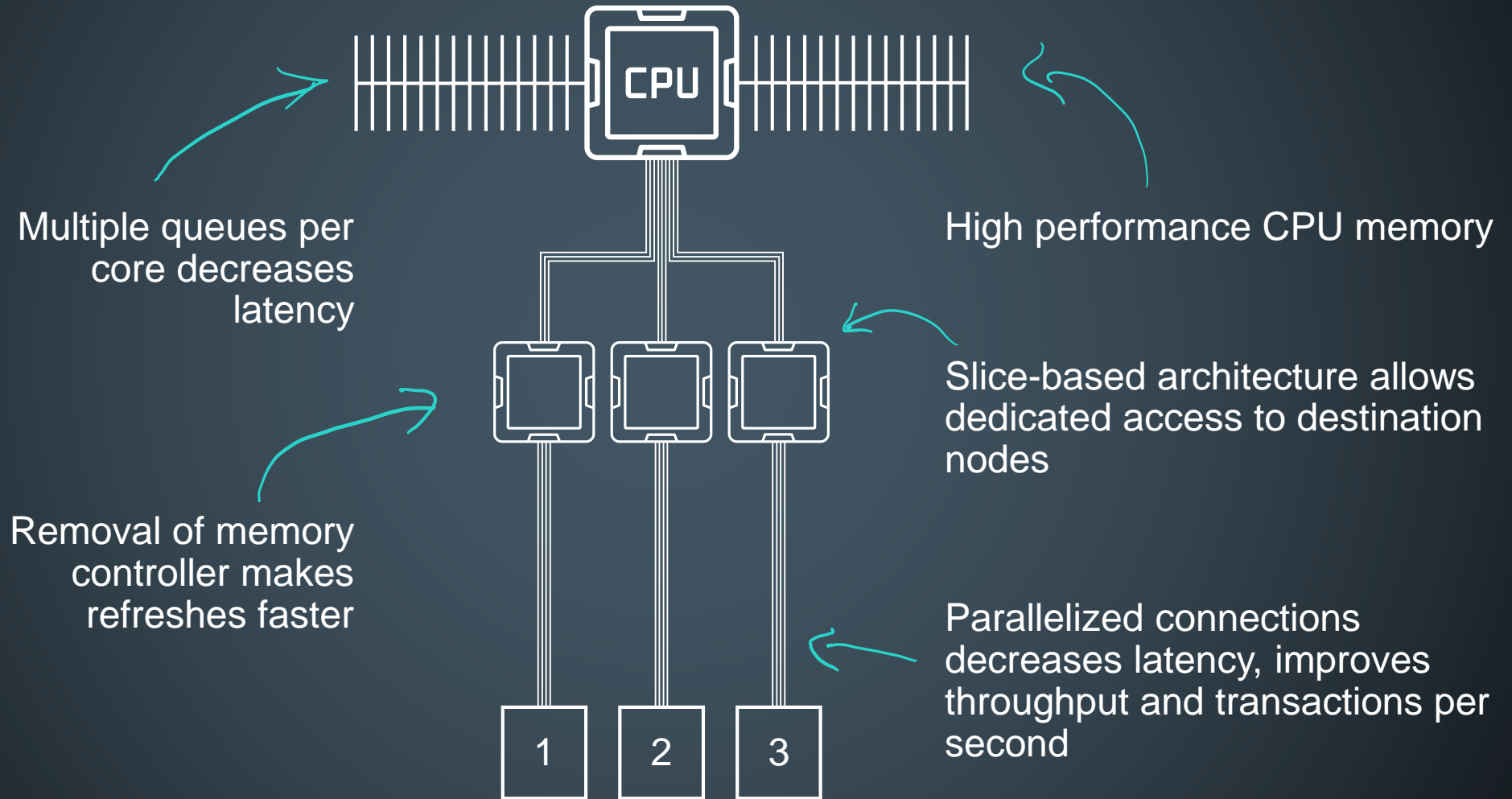


## Lockless design

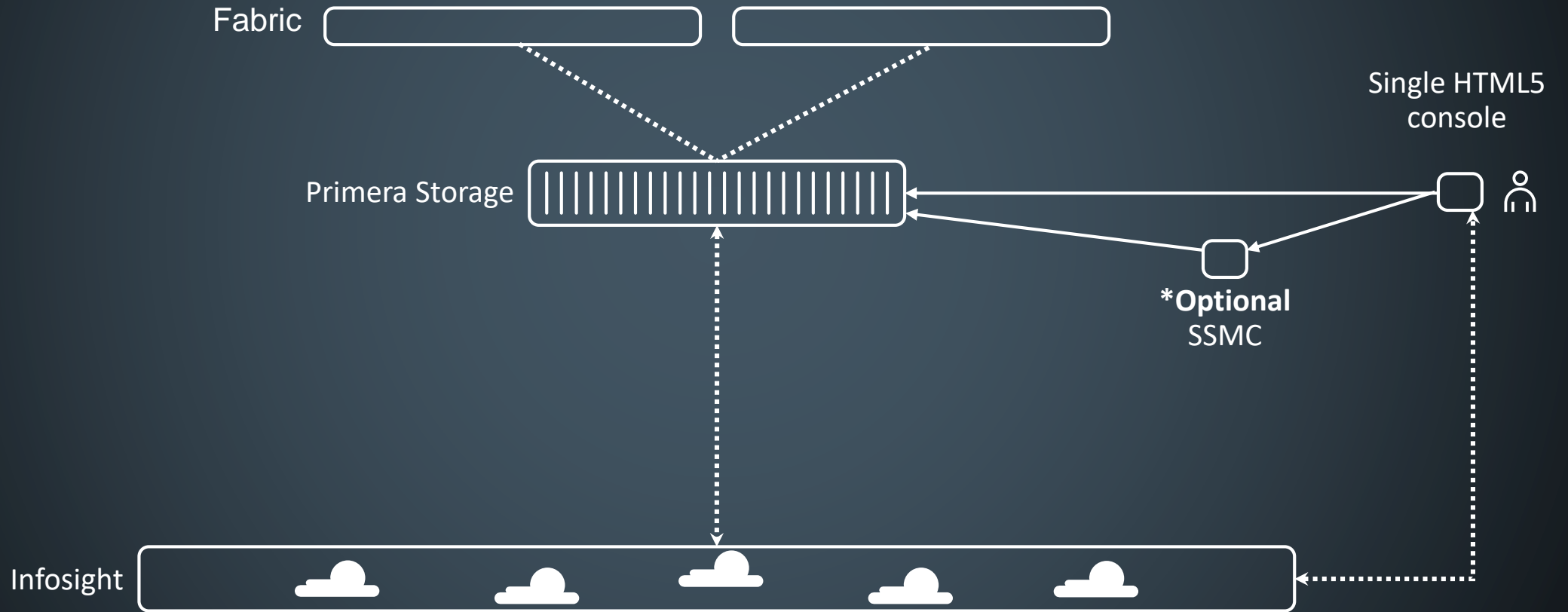
Gen 6 ASIC and unified cache drives more parallelism and greater, more consistent performance



# An architecture built for the NVMe era



# Primera storage management





PRIMERA STORAGE

# HPE Primera Family

Three models to redefine Mission Critical



## HPE Primera 630

2 Nodes and 24 drives in 2U

8 NVMe/SAS slots



## HPE Primera 650

4 Nodes and 48 drives in 4U

16 NVMe/SAS slots



## HPE Primera 670

4 Nodes and 48 drives in 4U

16 NVMe/SAS slots

Each model available as “all-flash” (A600) or “converged flash” (C600)



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# HPE Primera Hardware Building Blocks

## Base Chassis



2U Chassis

(2 nodes with 24 SFF slots)



4U Chassis

(2-nodes with 24 usable SFF slots  
or  
4-nodes with 48 usable SFF slots)

At initial release only the following configurations are supported:

630 in 2U chassis  
650/670 in 4U chassis

## Controllers



A630 / C630



A650 / C650 2N



A650 / C650 4N



A670 / C670 2N



A670 / C670 4N

Controller SKUs include 2 PCBMs per node pair

## Drive Enclosures



2U 24-slot SFF SAS



2U 12-slot LFF SAS

## Drives



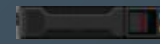
SAS SSD



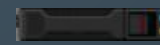
NVMe SSD \*



NVMe SCM \*



SAS 10K HDD



SAS NL HDD (LFF)

## Adapters



4-port 16Gb FC HBA

4-port 32Gb FC HBA

4-port 10/25Gb Eth HBA

\*

2-pack 10Gb Eth SFP

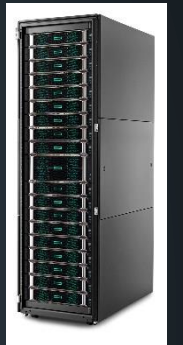
2-pack 10Gb Eth SFP

4-port 10GBase-T \*

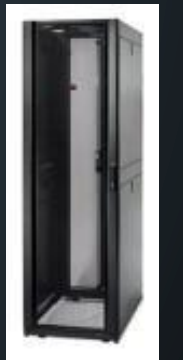
4-port 12Gb/s SAS HBA

SAS HBA available only on 650/670

## Racks



HPE G2 Rack



Custom Rack

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# HPE Primera 4U Base Chassis



The 4U Base Chassis can hold 4 nodes and up to 48 SFF drives



32 x 12Gb SFF SAS Slots

16 x dual-use SFF Slots  
(12Gb SAS or NVMe)



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# HPE Primera 650 / 670 Rear View



Power Cooling Modules  
with Battery Pack

Power Cooling Modules  
with Battery Pack



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# HPE Storage *On-Demand Experience*

Enterprise storage ownership transformed

All inclusive licensing

No Forklift Upgrades

StoreMore Guarantee

Free controller upgrade options

100% Availability Guarantee

Investments are **timeless**

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**Gracias**

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