



ProLiant DL380p Gen8

Customer presentation

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Agenda

- Family/product positioning
- Product overview
- Key features and benefits
- What's new
- Gen to gen compare
- System detail
- Competitive comparison
(TBD after launch)
- SKU strategy
- Qualified options
- Services
- Additional information



HP ProLiant portfolio

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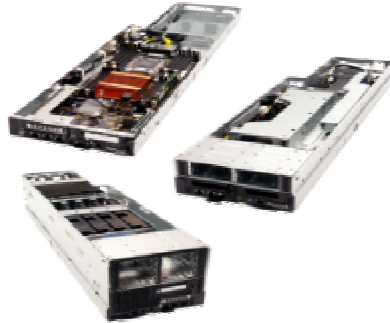
Expandable tower servers
ideal for remote and
branch offices

DL



Versatile rack-optimized
servers with the a balance
of efficiency, performance,
and management

SL



Purpose-built for the
world's most extreme data
centers

BL



Infrastructure in a box
proven to save time, power
and money in data centers
large and small



HP ProLiant DL300 Series — 2P Rack

Versatile rack-optimized servers with a balance of efficiency, performance, and management

DL380 Family

Industry leading serviceability,
expandability and flexibility in 2U

DL380p



THE no compromise
datacenter standard

DL385



Performance and
flexibility that mean
business

DL360 Family

Best-in-Class Compute and
Storage in 1U

DL360p



Performance driven
compute and storage
density



HP ProLiant DL380p Gen8



THE no compromise data center standard

With enhanced innovations in performance, feature flexibility, and management capabilities, the DL380p Gen8 is an unmatched data center investment, which can handle today's demanding compute requirements, while safe guarding for future growth!



Introducing the HP ProLiant DL380p Gen8

THE no compromise data center standard

What's New

- Up to 80% improved performance with 2X more memory capacity
- HP Smart Drive carriers with 33% more storage capacity and 200% performance boost with new HP Smart Array controllers
- Networking choice with new network solutions (FlexibleLOM)
- Enhanced serviceability with fast access PCIe riser solutions and HP Smart Socket Guides



8SFF Model w/locking bezel



8SFF Model w/optional 8SFF



8LFF Model



HP ProLiant DL380 Gen to Gen Compare

THE no-compromise datacenter standard



	DL380p Gen8 Built on ProActive Insight Architecture	DL380 G7
Compute	Intel® Xeon® E5-2600, 2/4/6/8 cores PCIe 3.0 (6)	Intel® Xeon® 5500/5600, 2/4/6 cores PCIe Gen2 (6)
HP Smart Socket Guide	✓	✗
Memory	(24) DDR3, up to 1600MHz (768GB max)	(18) DDR3, up to 1333MHz (576GB max)
HP Smart Memory	✓	✗
Storage	HP Smart Array P420i controller 16SFF/ 8LFF max - HDD/SSD	HP Smart Array P410i controller 16SFF / 6LFF max – HDD
HP Smart Drive Carrier	✓	✗
FBWC	up to 2GB DDR3-1333 MHz	up to 1GB DDR2-800 MHz
Networking	4x1GbE, 2x10GbE	4x1GbE
FlexibleLOM	✓	✗
FlexFabric	✗	✗
Embedded Management	HP iLO Management Engine (iLO 4)	HP Integrated Lights-Out 3 (iLO 3)
Intelligent Provisioning	✓	✗
Active Health System	✓	✗
Agentless Management	✓	✗
Cloud-based Management	HP Insight Management 7	HP Insight Management 6
HP Insight Control (agentless)	✓	✗
HP Insight Online	✓	✗
Power & Cooling	94% Platinum Plus standard	92% standard
3D Sea of Sensors	✓	✗

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HP ProLiant DL380p Gen8 Competitive

THE no-compromise datacenter standard



	HP	Dell	IBM	Cisco
Compute	Intel® Xeon® E5-2600, 2/4/6/8 cores PCIe 3.0 (6)			
HP Smart Socket Guide	✓			
Memory	(24) DDR3, up to 1600MHz (768GB max)			
HP Smart Memory	✓			
Storage	HP Smart Array P420i controller 16SFF / 8LFF max - HDD/SSD			
HP Smart Drive Carrier	✓			
FBWC	up to 2GB DDR3-1333 MHz			
Networking	4x1GbE, 2x10GbE			
FlexibleLOM	✓			
FlexFabric	✗			
Embedded Management	HP iLO Management Engine (iLO 4)			
Intelligent Provisioning	✓			
Active Health System	✓			
Agentless Management	✓			
Cloud-based Management	HP Insight Management 7			
HP Insight Control (agentless)	✓			
HP Insight Online	✓			
Power & Cooling	94% Platinum Plus standard			
3D Sea of Sensors	✓			

UPDATE 3/16



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ProLiant DL380p Gen8

With increased configuration flexibility and faster serviceability



Easy access independent PCI riser cages, offers faster serviceability

Choice for additional second PCI card riser (add'l 3 slots x16,x8,x8 or x16, x8)



Flat cabling solution for easier removal of air baffle, and access to memory DIMMs



Removable fan cage, with separate hot plug fan removal for faster removal, when accessing the HD back plane



FlexibleLOM allows flexibility of choice (5 options available), in both Ethernet 1G/10G NIC solutions, as well as 10G FlexFabric



HP ProLiant DL380p Gen8

Front/interior of system detail

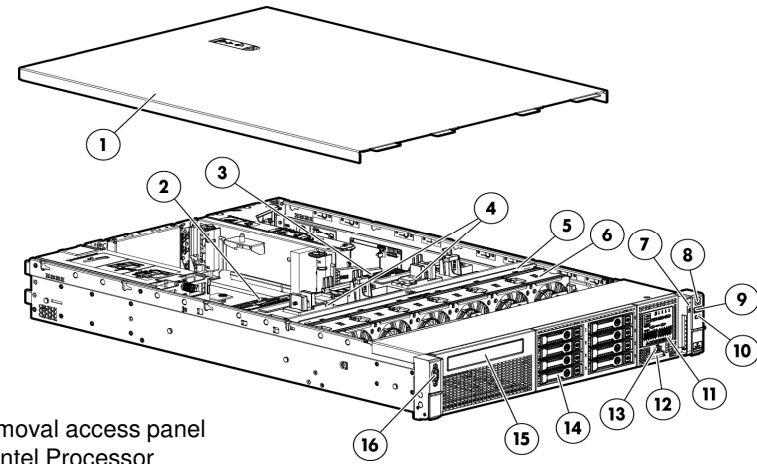
8SFF Model



8SFF Model w/optional 8SFF



8LFF Model



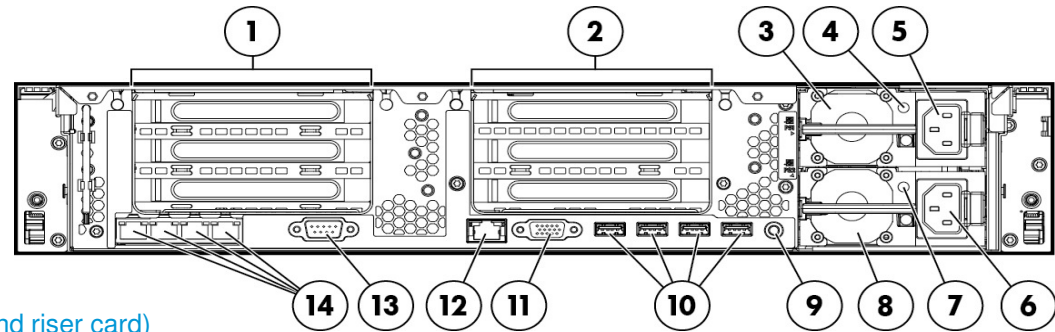
Front view:

1. Quick removal access panel
2. Second Intel Processor
3. First Intel Processor
4. 24 DIMM slots: DDR3 Registered (RDIMM) or Unbuffered (UDIMM) memory
5. Air Baffle
6. Hot-plug fans, full N+1 redundancy
7. Health LED
8. Power On/Standby button and system power LED button
9. USB connector
10. UID LED
11. Systems Insight Display
12. Asset Tag
13. USB connector
14. HD Bays (3 versions shown above right)
15. Optional Slim Optical Bay (SATA DVD-RW/ROM Optical Drive)
16. Video connector



HP ProLiant DL380p Gen8

Rear view of system detail



Rear View:

1. PCI Slots (Slots 1-3 top to bottom)
2. PCI Slots (Slots 4-6 top to bottom) (requires second riser card)
3. Power supply 1 (choice of 460w/750w/1200w 94% efficient or 92%, 750w DC)
4. Power supply 1 Power LED
5. Power supply 1 Power connection (with Intelligent PDU communication)
6. Power supply 2 Power connection (with Intelligent PDU communication)
7. Power supply 2 Power LED
8. Power supply 2 (choice of 460w/750w/1200w 94% efficient or 92%, 750w DC)
9. Unit ID LED
10. USB connectors (4)
11. Video connector
12. iLO connector
13. Serial connector
14. FlexibleLOM ports (Shown: 4 ports 1Gb each/Optional: 2 ports 10Gb each)

SKU strategy

DL380p Gen8 will offer 3 BTO models configurations

- Each of these 3 offerings have the following configurations
- Based on configurations, and price points demanded in the market.

Entry models	Base models	Performance models
<ul style="list-style-type: none">• 1 or 2 Intel Xeon Processor (80w)• 4G DDR3 RDIMM Memory• FlexibleLOM: 4x1G Ethernet• 3 PCIe slots• 8 SFF HD Bays• 1 x 460w Power Supply (94% Efficient)• Rail Kit /CMA standard	<ul style="list-style-type: none">• 1 or 2 Intel Xeon Processor (95w)• 16G DDR3 RDIMM Memory• FlexibleLOM: 4x1G Ethernet• 3 PCIe slots• 8 SFF HD Bays• 1 x 460w Power Supply (94% Efficient)• Rail Kit /CMA standard	<ul style="list-style-type: none">• 2 Intel Xeon Processor (95w)• 32G DDR3 RDIMM Memory• FlexibleLOM: 4x1G Ethernet or 2x10G Ethernet• 6 PCIe slots• 8 SFF HD Bays• 2 x 750w Power Supply (94% Efficient)• Rail Kit /CMA standard



HP ProLiant DL380p Gen8

(WW BTO SKUs)

Feature	Entry	Base	Base	Base	Base	Perf	Perf	Perf
			Energy Star			Energy Star	Energy Star	Energy Star
Part Number	642121-XX1	642120-XX1	677278-XX1	642119-XX1	642107-XX1	642106-XX1	642105-XX1	662257-XX1
Proc Model	E5-2609	E5-2620	E5-2630	E5-2630	E5-2640	E5-2650	E5-2665	E5-2690
Processor (up to 2)	(1) 2.4/80W	(1) 2.0/95W	(2) 2.3/95W	(1) 2.3/95W	(1) 2.5/95W	(2) 2.0/95W	(2) 2.4/115W	(2) 2.9/135W
Cores	4	6	6	6	6	8	8	8
Memory	4GB RD (1x4GB)	16GB RD (4x4GB)	16GB RD (4x4GB)	16GB RD (4x4GB)	16GB RD (4x4GB)	32GB RD (4x8GB)	32GB RD (4x8GB)	32GB RD (4x8GB)
Expansion Slots	3xPCI-E	3xPCI-E	3xPCI-E	3xPCI-E	3xPCI-E	6xPCI-E	6xPCI-E	6xPCI-E
Backplane	SAS	SAS	SAS	SAS	SAS	SAS	SAS	SAS
Drive	8 SFF	8 SFF	8 SFF	8 SFF	8 SFF	8 SFF	8 SFF	8 SFF
Array Controller	P420i/ZM	P420i/1GB FBWC	P420i/1GB FBWC	P420i/1GB FBWC	P420i/1GB FBWC	P420i/2GB FBWC	P420i/2GB FBWC	P420i/2GB FBWC
Power Supply (1+1 redundant)	(1) 460W Platinum	(1) 460W Platinum	(1) 460W Platinum	(1) 460W Platinum	(1) 460W Platinum	(2)750W Platinum	(2)750W Platinum	(2)750W Platinum
DVDRW	0	0	0	0	0	1	1	1
Fan	4	4	4	4	4	6	6	6
NIC	FlexibleLOM 4x1GB	FlexibleLOM 4x1GB	FlexibleLOM 4x1GB	FlexibleLOM 4x1GB	FlexibleLOM 4x1GB	FlexibleLOM 4x1GB	FlexibleLOM 2 x10GB	FlexibleLOM 2x10GB
Server Management	iLO ME (4)	iLO ME (4)	iLO ME (4)	iLO ME (4)	iLO ME (4)	iLO ME (4)	iLO ME (4)	iLO ME (4)
Chassis	2U Rack	2U Rack	2U Rack	2U Rack	2U Rack	2U Rack	2U Rack	2U Rack
Pre-loaded OS	no	no	no	no	no	no	no	no



HP ProLiant DL380p Gen8

Americas Smart Buy SKUs/Brazil SKU

Feature	S-Buy -Brazil	S-Buy Perf 1	S-Buy Perf 2	S-Buy Base 1	S-Buy Base 2	S-Buy Entry
Part Number	669776-S05	670852-S01	670853-S01	670854-S01	670856-S01	670857-S01
Proc Model	E5-2640	E5-2670	E5-2660	E5-2640	E5-2620	E5-2609
Processor (up to 2)	1 2.5/95W	2 2.6/115W	2 2.2/95W	2 2.5/95W	1 2.0/95W	1 2.4/80W
Cores	6	8	8	6	6	4
Memory	16GB RD (2x8GB)	32GB RD (4x8GB)	32GB RD (4x8GB)	16GB RD (2x8GB)	16GB RD (2x8GB)	8GB RD (1x8GB)
Expansion Slots	3xPCI-E	3xPCI-E	3xPCI-E	3xPCI-E	3xPCI-E	3xPCI-E
Backplane	SAS	SAS	SAS	SAS	SAS	SAS
Drive (up to 16 2.5) SAS 3.5" SATA	8 SFF	8 SFF	8 SFF	8 SFF	8 SFF	8 SFF
Array Controller	420i/512MB FBWC	420i/1GB FBWC	420i/1GB FBWC	420i/1GB FBWC	P420i/512MB FBWC	P420i/0
Power Supply (1+1 redundant)	(2) 750W	(2) 750W	(2) 750W	(2) 460W	(2) 460W	(2) 460W
VRM	(embedded)	(embedded)	(embedded)	(embedded)	(embedded)	(embedded)
DVDRW	0	0	0	0	0	0
Fan	4	6	6	6	4	4
NIC	ALOM 4/1GB	ALOM 4/1GB	ALOM 4/1GB	ALOM 4/1GB	ALOM 4/1GB	ALOM 4/1GB
Server Management	iLO 4	iLO 4	iLO 4	iLO 4	iLO 4	iLO 4
Chassis	2U Rack	2U Rack	2U Rack	2U Rack	2U Rack	2U Rack
Pre-loaded OS	no	no	no	no	no	no



HP ProLiant DL380p Gen8

EMEA/APJ Top Value/Golden Offer SKUs

Feature	GO1	GO2	TV1	TV2	TV3
Part Number	671161-425	671162-425	671163-425	671164-425	671165-425
Proc Model	E5-2620	E5-2620	E5-2640	E5-2620	E5-2620
Processor (up to 2)	(1) 2.0/95W	(1) 2.0/95W	(1) 2.5/95W	(1) 2.0/95W	(1) 2.0/95W
Cores	6	6	6	6	6
Memory	8GB RD (2x4GB)	4GB RD (1x4GB)	8GB RD (2x4GB)	8GB RD (2x4GB)	8GB RD (2x4GB)
Expansion Slots	3xPCI-E	3xPCI-E	3xPCI-E	3xPCI-E	3xPCI-E
Backplane	SAS	SAS	SAS	SAS	SAS
Drive	8 SFF	8 SFF	8 SFF	8 SFF	8 SFF
Array Controller	P420i/1GB FBWC	P420i/1GB FBWC	P 420i/1GB FBWC	P420i/1GB FBWC	P420i/1GB FBWC
Power Supply (1+1 redundant)	(1) 460W	(1) 460W	(1) 460W	(2) 460W	(1) 460W
VRM	(embedded)	(embedded)	(embedded)	(embedded)	(embedded)
DVDRW	1	1	0	1	1
Fan	4	4	4	4	4
NIC	ALOM 4/1GB	ALOM 4/1GB	ALOM 4/1GB	ALOM 4/1GB	ALOM 4/1GB
Server Management	iLO 4	iLO 4	iLO 4	iLO 4	iLO 4
Chassis	2U Rack	2U Rack	2U Rack	2U Rack	2U Rack
Pre-loaded OS	no	no	no	no	no



ProLiant DL380p Gen8:

Processors offered through BTO/CTO

Processor Option Kits																
Proc Model	E5-2637	E5-2603	E5-2609	E5-2643	E5-2630L	E5-2620	E5-2630	E5-2640	E5-2667	E5-2650L	E5-2650	E5-2660	E5-2665	E5-2670	E5-2680	E5-2690
WW BTO			X			X	X	X			X		X			X
CTO	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Wattage	80	80	80	130	60	95	95	95	130	70	95	95	115	115	130	135
Cores Count	2	4	4	4	6	6	6	6	6	8	8	8	8	8	8	8



ProLiant DL380p Gen8 unique options

Part Description	SKU
HP 380/385 Gen8 8-SFF Cage/Bkpln Kit Add'l 8SFF Hard Drive Cage, allowing for up to 16SFF Drive Bays	662883-B21
HP DL380/385GN 3 Slot PCI-E RISER Kit Add'l PCIe Gen3 Riser Card (qty1x16, 1x8, 1x4) for up to 6 total PCIe slots	653206-B21
HP DL380GN 2 Slot x16 Riser Kit Add'l PCIe Gen3 Riser Card (qty2 x 16) for up to 5 total PCIe slots	653208-B21
HP 150W PCIe PWR cable kit x16 PCIe slot Aux Power Cable for Graphics support up to 150w	669777-B21



HP ProLiant Qualified Options

Intel E5-2600 Processors
(up to 135W)

SMART Memory
(RDIMM/UDIMM/LRDIMM)

SMART Drives
(SFF/LFF/SSD)

Flex-LOM
(1G/10G Ethernet/Flex Fabric solutions)

HP qualification processes insure that all HP options have been screened and tested for highest quality and performance

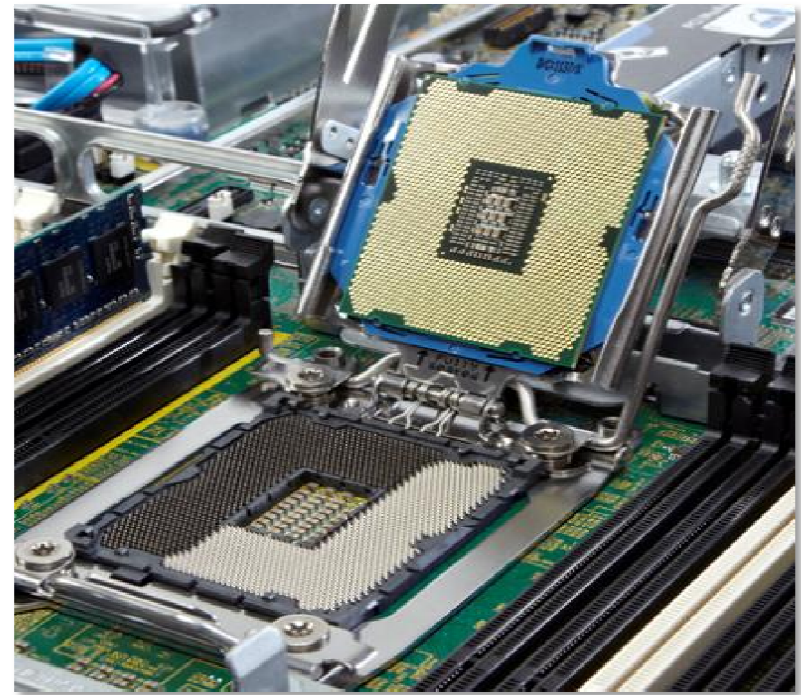
For a comprehensive list of all HP supported options, please refer to the DL380p Gen8 WW Quick Specs



HP Smart Socket Guide

Provides ease and simplicity of processor installation or upgrade

- Quick, precise intelligent processor installation
- Lowers risk of downtime due to improper installation or replacement
- Yet another HP Quality differentiator



Significant enhancements for Gen8 servers

NEW HP Innovation

One iLO Version

FlexibleLOMs*

Smart Storage

Embedded Provisioning

Insight Remote Support

Active Health System

Service Pack for ProLiant

Agentless Management

Smart Socket Guide

HP ProLiant Gen8 Servers

Consistent, simpler – Easier to Manage

Flexible, adaptable – Customer Choice

More Internal Storage - Better Performance

Simplify Server Startup – Saves Time!!

Automate Support Calls – More efficient

Faster Time to Resolution – Less downtime

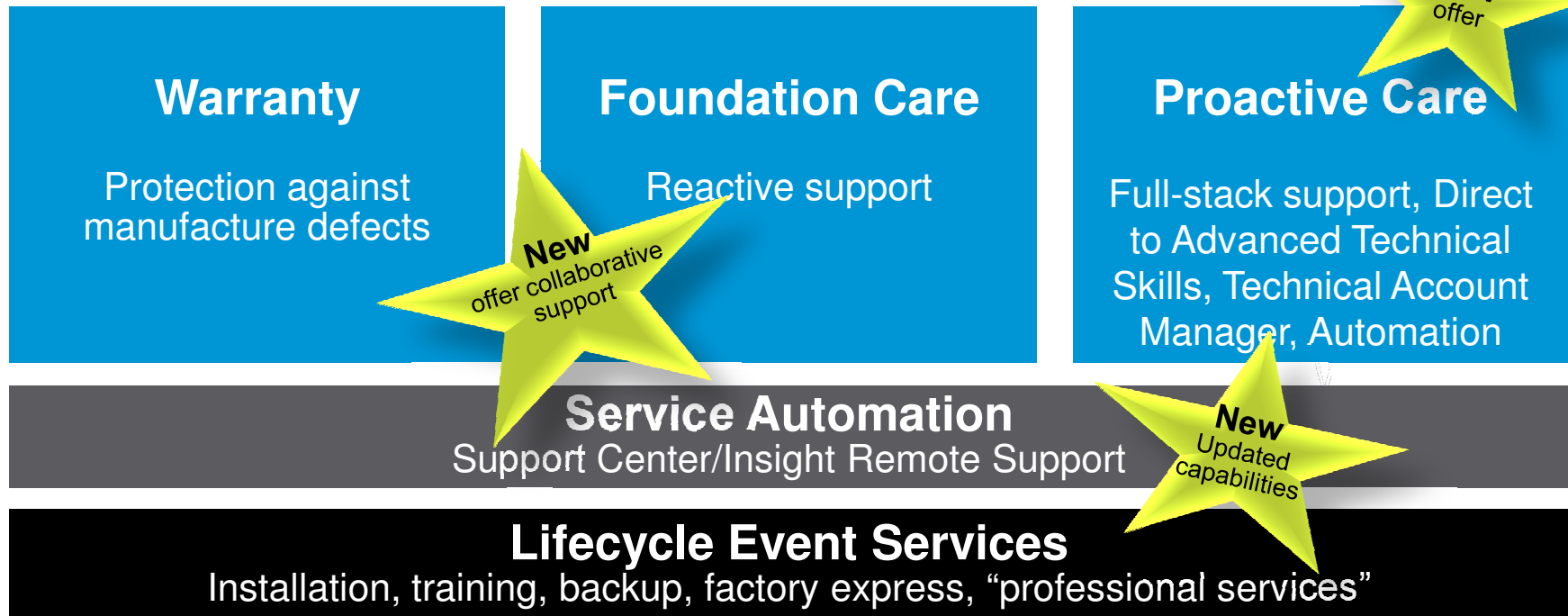
Predictable, Pre-Tested Releases –
Reduce Risk and Update Time and Costs

Embedded Technology – Better performance,
better management insight



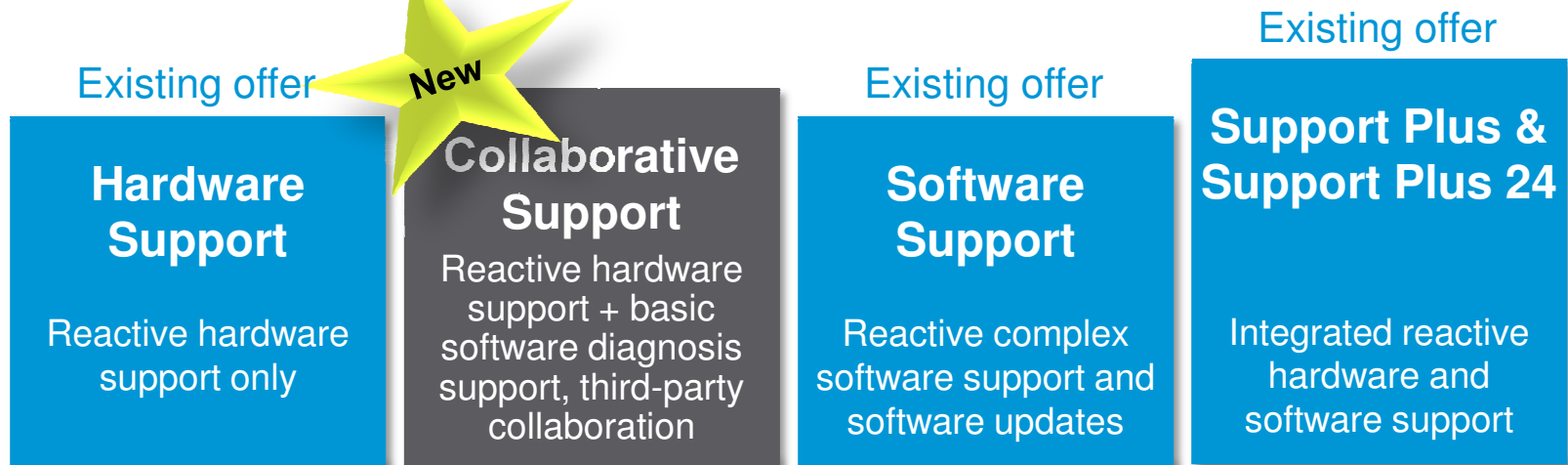
New TS Support Offers for Gen8 Servers

Simplify, modernize, grow



HP Foundation Care

Reactive Support Options portfolio



Delivering speed and simplicity to customers

- Single number to call for HW and SW problems
- Faster problem isolation and resolution
- Available as fixed and flexible Care Packs (3-, 4-, and 5-year) or purchased as a contract
- 24x7 Diagnosis and software support plus choose from three hardware support service levels
- Next Business Day/24 x 7, 4-hour response/6-hour Call-to-Repair
- With and without Defective Media Retention

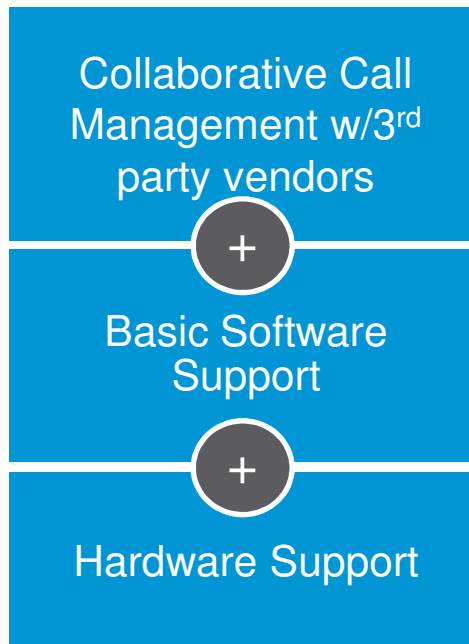


HP Collaborative Support

Hardware and software support with a single call to HP



Single call to HP
for HW & SW
support



Delivering speed and simplicity to customers

- For customers having HP HW and 3rd party SW
- Frequent software problem resolution 24 x7
- Quicker response to problem analysis and identification
- Simplified vendor management



Proactive care – Deliverables & structure

Enhancement options

FW/SW mgt & best practice advice

- Remote Technical Account Managers deliver
 - Specific firmware, patch and software update recommendations
 - Proactive Scan
 - Monthly performance & trend reporting

Rapid access to Advanced Solution Centre Specialists

- Single Point of Contact for End-to-end case ownership
- Local language, on/near-shore, advanced solution skills
- Rapid connect for Problem triage & impact mitigation
- Rapid engagement of CoE's & Alliances as required

Foundation Care

- L1-3 for SW products on BoM. L1/collaboration for ISS OS & HV if not on BoM
- HW - NBD, 24x7, 6hr CTR
- DMR/non DMR choices consistent with Foundation Care

Proactive Care

Insight Remote Support required (installation assistance provided)



Support recommendations

Choose from three levels of care

Optimized Care: Ensures optimum performance

- HP ProLiant Server Hardware Installation
- 3-Year HP 24x7 4 hour Response, Proactive Care or Critical Advantage
- HP Installation and Startup for Insight Control Software/HP SIM

Standard Care: Maintain high level of uptime

- HP ProLiant Server Hardware Installation
- 3-Year HP 24x7 4 hour Response, Collaborative Support
- HP Installation and Startup for Insight Control Software/HP SIM

Basic Care: Minimum recommended support

- HP ProLiant Server Hardware Installation
- 3-Year HP 24x7 4 hour Response, Hardware Support Onsite Service

- **Flexible and scalable service packages that**

strike a right balance between affordability and service level commitments

- **Integrated service packages that**

cover the entire lifecycle, addressing wider set of customer needs

- **Packaged solutions that**

enable customers to optimize technology operations, minimize risk and drive better business outcomes



Thank you

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