



HPE Complete BOM Guidelines: Cohesity Data Storage Platform

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HPE ProLiant DL380 Gen10 12LFF Node

Baseline components

The components below are required in all configurations. A minimum of 3 servers are required for a Cohesity cluster solution; however, a minimum of 4 servers are highly recommended and provide node failure protection.

Table 1. DL380 Gen10 baseline components

Quantity	Part number	Description	Flex component	Notes
1	868705-B21	HPE DL380 Gen10 12LFF CTO Server		
1	879424-L21	HPE DL380 Gen10 Xeon-G 6143 FIO Kit		
1	879424-B21	HPE DL380 Gen10 Xeon-G 6143 Kit		
4	815100-B21	HPE 32 GB 2Rx4 PC4-2666V-R Smart Kit		
1	804326-B21	HPE Smart Array E208i-a SR Gen10 Ctrlr		
1	870549-B21	HPE DL38X Gen10 12 Gb SAS Expander		
2	875488-B21	HPE 240 GB SATA MU M.2 2280 DS SSD		
1	826694-B21	HPE DL38X Gen10 x16 x16 Riser		
*	*	HDD Data Tier	✓	Refer to Table 2
*	*	NVMe Cache/SSD Tier	✓	Refer to Table 2
*	*	10GbE Networking	✓	Refer to Table 2
2	865414-B21	HPE 800W FS Plat Ht Plg LH Pwr Sply Kit		
1	733662-B21	HPE 2U LFF Easy Install Rail Kit		
1	BD505A	HPE iLO Adv 1-svr Lic 3yr Support		

* Refer to Flex component guidelines in Table 2.

Flex component guidelines

The guidelines below must be satisfied for each component category.

Table 2. DL380 Gen10 flex component guidelines

Name	Guidelines
HDD Data Tier	Data tier is required. Must be deployed in a quantity of 12 per node. Must select one of the following approved HDDs: <ul style="list-style-type: none"> 872487-B21 HPE 4 TB SAS 7.2K LFF SC DS HDD 819201-B21 HPE 8 TB SAS 7.2K LFF SC DS HDD
NVMe Cache/SSD Tier	NVMe Cache/SSD tier is required. Must select quantity 2 per node of one of the following: <ul style="list-style-type: none"> 877825-B21 HPE 1.6 TB PCIe x8 MU HH DS Card (Select when 12 x 4 TB Data drives selected) 877827-B21 HPE 3.2 TB PCIe x8 MU HH DS Card (Select when 12 x 8 TB Data drives selected)
Networking	Standard or separate data/client 10GbE networking is required. Standard networking provides 2x10GbE ports and separate provides 4x10GbE ports. <p>For standard networking (2x10GbE ports) select the following:</p> <ul style="list-style-type: none"> Quantity 1 of 700751-B21 HPE FlexFabric 10 Gb 2-port 534FLR-SFP+ Adapter (FlexLOM) Quantity 2 of 455883-B21 HPE 10GbE SFP+ SR Transceiver <p>For separate data/client networks select the following for 4x10GbE ports copper attach solution:</p> <ul style="list-style-type: none"> 764302-B21 HPE FlexFabric 10 Gb 4-port 536FLR-T (FlexLOM, Copper) <p>Or select the following for 4x10GbE optics attach solution:</p> <ul style="list-style-type: none"> Quantity 1 of 700751-B21 HPE FlexFabric 10 Gb 2-port 534FLR-SFP+ Adapter (FlexLOM) Quantity 1 of 727055-B21 HPE Ethernet 10 Gb 2-port 562SFP+ Adapter (PCIe Standup) Quantity 4 of 455883-B21 HPE 10GbE SFP+ SR Transceiver



HPE Apollo 4510 Gen10 with XL450 Node

Baseline components

The components below are required in all Cohesity configurations. A minimum of 3 nodes are required to form a Cohesity cluster. Beyond 3 nodes, a Cohesity cluster can be scaled up on a per node basis.

Table 3. Apollo 4510 Gen10 baseline components

Quantity	Part number	Description	Flex component	Notes
1	864668-B21	HPE Apollo 4510 Gen10 Configure-to-Order Chassis		
1	864625-B21	HPE ProLiant XL450 Gen10 CTO Server Node for Apollo 4510 Gen10 Chassis		
1	872559-L21	HPE XL450 Gen10 Intel® Xeon®-Gold 6140 (2.3GHz/18-core/140W) FIO Processor Kit		
1	872559-B21	HPE XL450 Gen10 Intel Xeon-Gold 6140 (2.3GHz/18-core/140W) Processor Kit		
16	835955-B21	HPE 16 GB Dual Rank x8 DDR4-2666 CAS-19-19-19 Registered Smart Memory Kit		
50	834031-B21	HPE 8 TB SAS 12G Midline 7.2K LFF LP 1yr Wty 512e Digitally Signed Firmware HDD		
2	875583-B21	HPE 400 GB NVMe x4 Lanes MU M.2 22110 3yr Wty Digitally Signed Firmware SSD		
8	P04535-B21	HPE 1.6 TB SAS 12G Mixed Use LFF LPC 3yr Wty Digitally Signed Firmware SSD		
1	882020-B21	HPE Apollo 4500 Gen10 CPU0 x2/CPU1 x2 FIO I/O Module		
2	804394-B21	HPE Smart Array E208i-p SR Gen10 12G SAS PCIe Plug-in Controller		
1	874777-B21	HPE Apollo 4500 Gen10 Smart Array E208i-p/P408i-p SAS Cable Kit		
1	874778-B21	HPE Apollo 4500 Gen10 Dual Smart Array E208i-p/P408i-p SAS Cable Kit		
*	*	Networking	✓	Refer to Table 4
4	865414-B21	HPE 800W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit		
1	608477-B21	HPE s6500 Chassis Handles Kit		
1	878571-B21	HPE 4U Server Rail Kit		
1	BD505A	HPE iLO Adv 1-svr Lic 3yr Support		

* Refer to Flex component guidelines in Table 4.

Flex component guidelines


The guidelines below must be satisfied for each component category.

Table 4. Apollo 4510 Gen10 Flex component guidelines

Category name	Guidelines
Networking	<p>Standard or separate data/client 10GbE networking is required. Standard networking provides 2x10GbE ports and separate provides 4x10GbE ports. For standard networking (2x10GbE ports) select the following:</p> <ul style="list-style-type: none"> Quantity 1 of 700751-B21 HPE FlexFabric 10 Gb 2-port 534FLR-SFP+ Adapter (FlexLOM) Quantity 2 of 455883-B21 HPE 10GbE SFP+ SR Transceiver <p>For separate data/client networks select the following for 4x10GbE ports copper attach solution:</p> <ul style="list-style-type: none"> 764302-B21 HPE FlexFabric 10 Gb 4-port 536FLR-T (FlexLOM, Copper) <p>Or select the following for 4x10GbE optics attach solution:</p> <ul style="list-style-type: none"> Quantity 1 of 700751-B21 HPE FlexFabric 10 Gb 2-port 534FLR-SFP+ Adapter (FlexLOM) Quantity 1 of 727055-B21 HPE Ethernet 10 Gb 2-port 562SFP+ Adapter (PCIe Standup) Quantity 4 of 455883-B21 HPE 10GbE SFP+ SR Transceiver



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