HPE SYNERGY VENDOR COMPARISON
One infrastructure to run any workload

dtp GROUP

	HPE SYNERGY	CISCO UCS	DELL POWEREDGE
Digital transformation	HPE Synergy was the first platform designed from the ground up for composable infrastructure.	HPE Synergy delivers clear advantages and outpaces Cisco UCS environments, resulting in 29% lower TCO than Cisco UCS.	Dell EMC is at least three years behind.
Future proof	HPE Synergy offers more I/O flexibility with 3 fully independent fabrics and the same form factor is used for each HPE fabric. Two of the HPE Synergy fabrics are photonics-enabled for future technologies.	HPE Synergy can deliver midplane bandwidth speeds of up to 16 Tbps, more than 10x the bandwidth capability of Cisco UCS. For Cisco customers hoping to use the higher watt Intel processors, power constraints of the UCS 5108 chassis produces limitations.	
Scalability and performance	HPE Synergy allows customers to standardise on a single architecture that integrates compute, storage and fabric all-in-one solution. This results in architecture that scales and delivers applications fast with high operational efficiency.	Cisco has multiple UCS platforms and form factors depending on workload characteristics.	The Dell PowerEdge MX storage fabric modules (fabric C) are tied to the storage midplane and will not fit in fabrics A and B.
Management experience	HPE OneView delivers an intuitive user interface and automated intelligence that simpllifies everyday tasks for the entire infrastructure,	Cisco UCS Manager uses a legacy "tree and branch" approach to infrastructure management, a complex hierarchical device centric approach.	
Stateless Computing	HPE Synergy Image Streamer works to enhance server profiles to deliver "infrastructure-as-code".		There is no evidence that Dell EMC PowerEdge offers the same kind of functionality.
Unified APIs	The OneView API is modern, future proof approach based on REST and JSON. Compared to XML, as used by Cisco's UCS Manager, JSON is much more lightweight and developer-friendly.	Cisco requires multiple API's spread across UCS Manager, Central and Director, increasing complexity.	
Storage density and flexibility	HPE delivers a full best-in-class stack. HPE Synergy Gen10 models have captured a total of 43 world record performance benchmarks. HPE Synergy storage modules can connect up to 200 drives with 20 drives per rack.	Cisco must partner with third-party storage vendors.	Dell can only monitor external storage, and not manage it. And in comparison to HPE Synergy, Dell PowerEdge MX5016s can connect up to 112 drives and fits 18 drives per rack.