



Solution infrastructure hardware and software components

FlexPod

NetApp
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The following tables list the hardware and software components, respectively, of the FlexPod infrastructure for the medical imaging system.

Layer	Product family	Quantity and model	Details
Compute	Cisco UCS 5108 chassis	1 or 2	Based on the number of blades required to support the number of annual studies
	Cisco UCS blade servers	B200 M5	Number of blades based on the number of studies annually Each with 2 x 20 or more cores, 2.7GHz, and 128-384GB RAM
	Cisco UCS Virtual Interface Card (VIC)	Cisco UCS 1440	See the
	2 x Cisco UCS fabric interconnects	6454 or later	—
Network	Cisco Nexus switches	2 x Cisco Nexus 3000 Series or 9000 Series	—
Storage network	IP network for storage access over SMB/CIFS, NFS, or iSCSI protocols	Same network switches as above	—
	Storage access over FC	2 x Cisco MDS 9132T	—
Storage	NetApp AFF A400 all-flash storage system	1 or more HA pair	Cluster with two or more nodes
	Disk shelf	1 or more DS224C or NS224 disk shelves	Fully populated with 24 drives
	SSD	>24, 1.2TB or larger capacity	—

Software	Product family	Version or release	Details
Enterprise medical imaging system	MS SQL or Oracle Database Server	As suggested by the medical imaging system vendor	
	No SQL DBs like MongoDB Server	As suggested by the medical imaging system vendor	
	Application Servers	As suggested by the medical imaging system vendor	
	Integration Server (MS Biztalk, MuleSoft, Rhapsody, Tibco)	As suggested by the medical imaging system vendor	
	VMs	Linux (64 bit)	
	VMs	Windows Server (64 bit)	
Storage	ONTAP	ONTAP 9.7 or later	
Network	Cisco UCS Fabric Interconnect	Cisco UCS Manager 4.1 or later	
	Cisco Ethernet switches	9.2(3)I7(2) or later	
	Cisco FC: Cisco MDS 9132T	8.4(2) or later	
Hypervisor	Hypervisor	VMware vSphere ESXi 6.7 U2 or later	
Management	Hypervisor management system	VMware vCenter Server 6.7 U1 (vCSA) or later	
	NetApp Virtual Storage Console (VSC)	VSC 9.7 or later	
	SnapCenter	SnapCenter 4.3 or later	

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