

SCOPE OF WORK

The bidder must obtain an OEM validated configuration and formal quotation from Dell Technologies or an authorised Dell distributor. A generic web price, online shopping cart, assembled equivalent or estimate based on individual component pricing will not be accepted.

Server Specifications:

Minimum Technical Requirements

No	Category	Minimum requirement	Quantity
1	Platform	Dell PowerEdge R470 enterprise rack server, current and orderable configuration	1
2	Form factor and chassis	1U rack server with 2.5 inch hot plug chassis supporting at least eight SAS or SATA drives, rear I/O and required airflow configuration	1
3	Processor	One Intel Xeon 6 Performance 6511P processor or OEM approved successor with at least 16 cores, 32 threads, 2.3 GHz base frequency, 72 MB cache and 150 W TDP	1
4	Memory	Minimum 128 GB DDR5 RDIMM memory at 6400 MT/s, using an OEM validated and performance optimised DIMM population	128 GB
5	Storage controller	Dell PERC H965i or current OEM equivalent internal hardware RAID controller compatible with the proposed chassis and drives	1
6	Internal storage	960 GB enterprise mixed use SATA SSD, 2.5 inch hot plug, minimum 3 DWPD. Drives must support RAID 1	2
7	Network connectivity	Four port 1 GbE Base T OCP 3.0 network adapter and dual port 10 GbE Base T OCP 3.0 network adapter	1 each
8	Fibre Channel	Dual port 32 Gb Fibre Channel host bus adapter, QLogic QLE2772C or current OEM approved equivalent, low profile	1
9	Expansion	OEM configured risers and slots sufficient for all specified adapters, with PCIe Gen 5 support where applicable	As required
10	Power	Dual hot plug fully redundant 1 plus 1 power supplies, minimum 800 W, Titanium efficiency, with two compatible C13 to C14 rack power cords	1 set
11	System management	iDRAC10 Enterprise for 17th generation PowerEdge, with Dell connectivity or call home capability enabled	1
12	Boot and firmware	UEFI boot mode with GPT. All firmware, drivers and lifecycle controller components must be current and validated by the OEM at deployment	Included

No	Category	Minimum requirement	Quantity
13	Operating system	No operating system or operating system media required	Not required
14	Rack integration	Standard front bezel and ReadyRails sliding rail kit suitable for the server and existing rack	1 set
15	Deployment	Dell ProDeploy Plus for PowerEdge R Series 1U or 2U, including installation, configuration, firmware alignment, health checks and handover documentation	1
16	Support	Dell ProSupport Plus with 4 hour Mission Critical onsite response for 36 months. Warranty and support must be registered in the purchaser's name	36 months

(2nd) Second Sever:

No	Category	Minimum requirement	Quantity
1	Platform	Dell PowerEdge R470 enterprise rack server, current and orderable configuration	1
2	Form factor and chassis	1U rack server with 2.5 inch hot plug chassis supporting at least eight SAS or SATA drives, rear I/O and required airflow configuration	1
3	Processor	One Intel Xeon 6 Performance 6505P processor or OEM approved successor with at least 12 cores, 24 threads, 2.2 GHz base frequency, 48 MB cache and 150 W TDP	1

No	Category	Minimum requirement	Quantity
4	Memory	Minimum 64 GB DDR5 RDIMM memory at 6400 MT/s, using an OEM validated and performance optimised DIMM population	64 GB
5	Storage controller	Dell PERC H965i or current OEM equivalent internal hardware RAID controller compatible with the proposed chassis and drives	1
6	Internal storage	960 GB enterprise mixed use SATA SSD, 2.5 inch hot plug, minimum 3 DWPD. Drives must support RAID 1	2
7	Network connectivity	Four port 1 GbE Base T OCP 3.0 network adapter and dual port 10 GbE Base T OCP 3.0 network adapter	1 each
8	Expansion	OEM configured risers and slots sufficient for all specified adapters, with PCIe Gen 5 support where applicable	As required
9	Power	Dual hot plug fully redundant 1 plus 1 power supplies, minimum 800 W, Titanium efficiency, with two compatible C13 to C14 rack power cords	1 set

No	Category	Minimum requirement	Quantity
10	System management	iDRAC10 Enterprise for 17th generation PowerEdge, with Dell connectivity or call home capability enabled	1
11	Boot and firmware	UEFI boot mode with GPT. All firmware, drivers and lifecycle controller components must be current and validated by the OEM at deployment	Included
12	Operating system	No operating system or operating system media required	Not required
13	Rack integration	Standard front bezel and ReadyRails sliding rail kit suitable for the server and existing rack	1 set
14	Deployment	Dell ProDeploy Plus for PowerEdge R Series 1U or 2U, including installation, configuration, firmware alignment, health checks and handover documentation	1
15	Support	Dell ProSupport Plus with 4 hour Mission Critical onsite response for 36 months. Warranty and support must be registered in the purchaser's name	36 months