

Server Role	Software Name	Software System Requirements	Physical Server Specifications	Hardware Manufacturer	Link to Server
Web Server	Apache HTTP Server on Ubuntu Server 22.04 LTS	2 CPU cores, 2 GB RAM minimum, 10 GB storage, Linux OS	Intel Xeon E-2334 CPU, 16 GB RAM, 2 x 480 GB SSD	Dell PowerEdge R450	Dell R450
Database Server	MySQL Server on Ubuntu Server 22.04 LTS	4 CPU cores 8 GB RAM minimum, 50 GB storage, Linux OS	Intel Xeon Silver CPU, 32 GB RAM, 4 x 1 TB SSD	Dell PowerEdge R660	Dell R660
Email Server	Postfix on Ubuntu Server 22.04 LTS	2 CPU cores, 4 GB RAM, 20 GB storage, Linux OS	Intel Xeon E-2334 CPU, 16 GB RAM, 2 x 960 GB SSD	Dell EMC PowerEdge R550	Dell R550
LDAP Server	OpenLDAP on Ubuntu Server 22.04 LTS	2 CPU cores, 2 GB RAM, 10 GB storage, Linux OS	Intel Xeon E-2224 CPU, 8 GB RAM, 2 x 480 GB SSD	Dell PowerEdge R260	Dell R260
DNS Server	BIND9 on Ubuntu Server 22.04 LTS	1 CPU core, 1 GB RAM, 5 GB storage, Linux OS	Intel Xeon E-2224 CPU, 8 GB RAM, 2 x 480 GB SSD	Dell PowerEdge R260	Dell R260
DHCP Server	ISC DHCP Server on Ubuntu Server 22.04 LTS	1 CPU core, 1 GB RAM, 5 GB storage, Linux OS	Intel Xeon E-2224 CPU, 8 GB RAM, 2 x 480 GB SSD	Dell PowerEdge R260	Dell R260

References

Lee, K. (2024, June 4). Why use Linux for servers in enterprise environments? *SUSE*.

[www.suse.com. https://www.suse.com/c/why-use-linux/](https://www.suse.com/c/why-use-linux/)

Software-driven Storage Innovation. (2023). *Software-driven Storage Innovation*. Dell.

<https://www.dell.com/en-us/shop/scc/sc/storage-products>

Staff, L. com E. (2019, January 18). *Top 5 Linux Server Distributions*. Linux.com.

<https://www.linux.com/topic/desktop/top-5-linux-server-distributions/>