

Recommended Server

Many people ask us for specific recommendations on a server. We are reluctant to do this since we don't know the specifics of our client's business. We offer the following as a general guideline. This recommendation is very close to what we have here at Aptora.

Server Recommendations at a Glance

1. Consider a Dell PowerEdge T630 Server
2. Two redundant power supplies
3. Two Intel® Xeon® E5 2600 v3 processors (or better)
4. Three 256GB SSD (solid state hard drives)
5. Two 2 TB enterprise hard drives
6. Two 1Gb NICs (network controller cards)
7. 32GB RAM (64GB would be better for large companies)
8. Basic graphics card
9. Microsoft Windows Server 2012 (or newer)
10. SQL Server 2014 Standard (older versions are fine if you already have them)

Other Important Recommendations

1. Code42 CrashPlan® (real time internet backup for \$10 per month)
2. Symantec Endpoint Protection (powerful commercial grade security)
3. Battery Backup (such as CyberPower® CP1500PFCLCD PFC Sinewave UPS)

The hard drives should be installed in a RAID configuration for redundancy. If one drive fails, the others take over seamlessly. You can even swap out the bad drive while the server is still running and it will eventually sync up just like before the failure. Since this is not an everyday computer, an inexpensive keyboard, mouse, and monitor can be used. The solid state hard drives will contain the operating system, Microsoft SQL Server, and your database. This will speed things up considerably.