



## Hardware specifications for databases running in conjunction with Cadcorp software

Cadcorp provides the following information as a guide for minimum and recommended hardware for spatial databases to be used with Cadcorp SIS and GeognoSIS:

- Microsoft SQL Server Spatial 2008 and above, including SQL Server Express
- PostGIS 1.5.4 or above and PostGIS 2.\*
- Oracle 9i and above, including Oracle Database XE

The database hardware recommendation may change based on the amount and type of data that the customer is storing.

### Database Server - **MINIMUM**

<b>Processor:</b>	Intel® Xeon® E-2200 with 4 cores per processor or; AMD Epyc
<b>Memory:</b>	16 GB
<b>Disk Configuration:</b>	1 TB disk space Split between multiple disks, dependent on RAID configuration and data volume

### Database Server - **RECOMMENDED**

<b>Processor:</b>	2 x Intel® Xeon® Gold with 12 cores per processor or AMD Epyc or; AMD Epyc
<b>Memory:</b>	32 GB
<b>Disk Configuration:</b>	1 TB disk space Split between multiple disks, dependent on RAID configuration and data volume

If the Cadcorp OS MasterMap Manager will be run on this server, this can require up to 200GB (for a national load) of temporary space to process the data for loading into the database.

### Additional Information

This document provides minimum and recommended hardware specifications for a database server. It should be used as the basis for defining a specific server taking the following into consideration; further discussion and advice should be sought from the database supplier and IT providers:

- Amount of data to be stored in the database
- Type of data to be stored in the database (PostGIS and Oracle can store raster and vector data)
- Backup strategy, data replication and existing hardware configuration and infrastructure
- Number of users requiring access to the database
- Speed and response requirements
- The database used
- Use of RAID 1, 5, 6 or 10, if required.
- Operating system preference