

# Hardware and Software Recommendations for Visual Query

## Hardware

The hardware requirement for Visual Query depends on the number of users on the server and the size of the database. If Visual Query is being used to replace an existing application then the hardware for the existing database application should probably work fine for Visual Query, as long as the number of users is approximately the same. Visual Query itself is fairly easy on the hardware, but the database calls can be load consuming. While Visual Query is architected to minimize such calls it will, obviously have to access the database and that can be resource intensive.

Recommendation: Similar hardware to existing comparable applications. Of course, with hardware and memory prices falling, it would not hurt to install Visual Query on an improved machine.

## Software

In addition to the web server and the software provided by Tailor Made Software, we recommend two open source programs developed by Phusion Software.

### Apache

We recommend Apache as the webserver of choice.

### Phusion Passenger

Passenger is a load-balancing application that sits between the operating system and the Rails Rack. It improves both memory usage and installation ease. It is available for free from <http://www.modrails.com/> or we can provide a copy.

### Ruby Enterprise Edition

Ruby Enterprise Edition is a “plug-compatible” replacement for the standard Ruby Interpreter Version 1.8.7 (the recommend version of Ruby). It improves both requests/minute and memory usage. It is available for free from <http://www.rubyenterpriseedition.com/> or we can provide a copy.