



esi Environmental Simulations Incorporated

GROUNDWATER MODELING SPECIALISTS



SOFTWARE | TRAINING | CONSULTING

Remote Model Launch – RMLServer

Features

- Run ESI's MODFLOW^{win32}, MODPATH^{win32}, MT3D^{win32} on other computers on your network
- Groundwater Vistas controls these remote models from your computer
- Free up your computer for other tasks
- Allows parallel processing for Monte Carlo simulation and automated sensitivity analysis
- Take advantage of multiple processors on one computer
- Uses Microsoft's DCOM technology
- Easy to install and transparent to operate

Remote Model Launch Summary

Environmental Simulations, Inc. developed RMLServer to improve the multi-tasking capabilities of Groundwater Vistas and enable ESI's Windows-based models to be run on remote computers. The product uses a combination of a Windows NT service and a model server to provide this new capability. RMLServer uses an NT Service, which enables models to be run on remote computers regardless of whether anyone has logged onto them. The service is started automatically when the computer is turned on.

Models run via the Remote Model Launch interface function as separate Windows processes even if the model is run on the same computer as Groundwater Vistas. This enables the operating system to make better use of multiple processor computers. In addition, a greater level of response is provided to the Groundwater Vistas user when models are running. As implemented, each model opened up in Groundwater Vistas can be run simultaneously. It enables the modeler to tap the power of many computers on the network. These days, computers are much more powerful than the typical user requires and having a model running in the background would not significantly impact most users. Using this technology, you can improve your productivity without purchasing a faster computer.

Remote Launch Requirements

Remote Launch requires Windows NT 4.0 Service Pack 4 or above, which includes Windows 2000 and XP. In order to successfully run a model on the remote computer, you must have access to the hard disk on the remote computer or on a server. In some cases there are network security issues that must be addressed on the remote computer, depending on how restrictive the default security is on the network. The RMLServer license is administered by either a Remote Launch security block (dongle) or a Groundwater Vistas security block.

Cost: (1) Computer \$150 (2) Computers \$250 (5) Computers \$600 (10) Computers \$1,000