

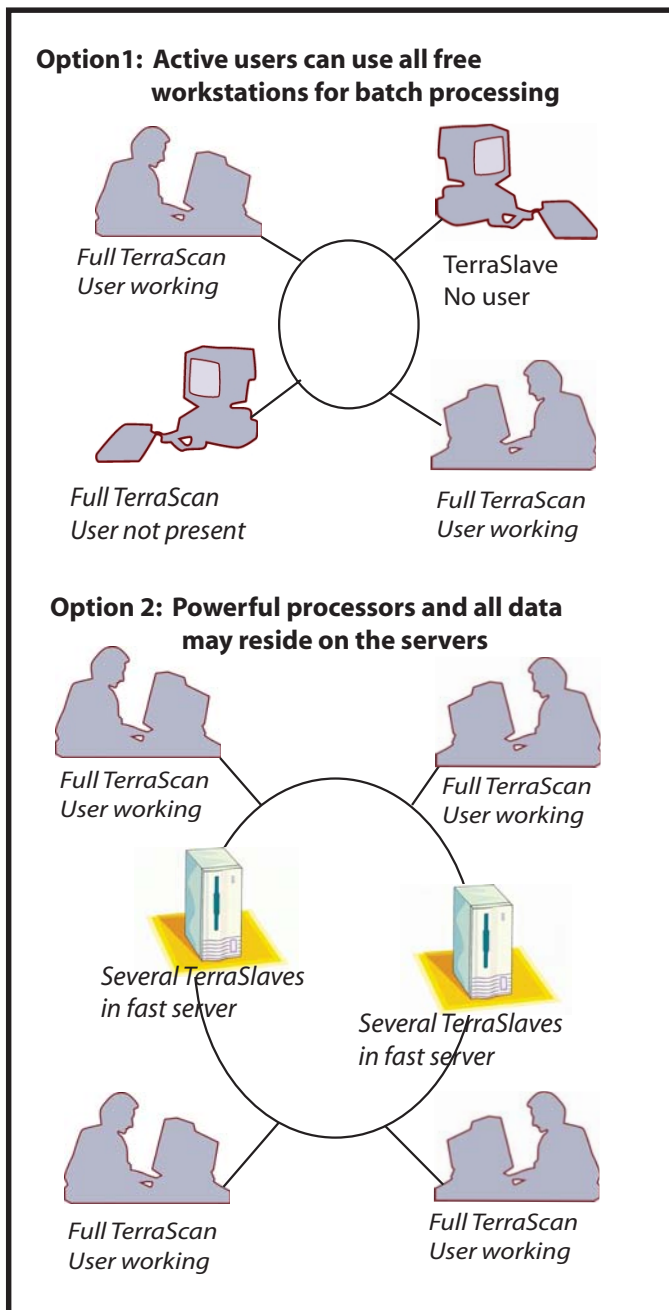
TerraSlave

for Windows NT/2000/XP

More Capacity by Sharing Tasks between PCs over LAN

An airborne laser scanning system produces 30,000 – 150,000 points per second. The size of a survey project varies from 10 million to 50 billion points. In addition to laser data, the data sets often include digital images captured during the survey. Images take up even more disk space than laser points. In a typical project of one billion laser points the size of laser points is 24 GB and images 120 GB. These masses of data are a real challenge for the processing capacity of any single PC.

TerraSlave is an optimised solution to share processing tasks between separate PCs or network servers. Just define the macros and divide your data into blocks by the full version of TerraScan, TerraPhoto or TerraMatch. Then distribute the data and tasks over LAN to batch processing by TerraSlave. TerraSlave do not only empower your working but also saves your money since it does not need the graphical interface of MicroStation.



No limits of MicroStation

- more benefits from hardware

The first version of TerraSlave executes macros on project level on the same computer, where you have installed TerraScan. So it frees your MicroStation immediately after starting the job by TerraSlave and you can continue working with TerraScan or other applications.

Future versions can run on another computer and offer functions as follows:

- Support distributed processing.
- Import points into TerraScan project.
- Export raster images from project level.
- Output collection shape points.
- Perform TerraPhoto orthorectification.
- Perform TerraMatch solution search.

Distributed processes let you use more memory than MicroStation based application and queue several tasks. The development of TerraSlave is independent from the 32 bit-operating environment limits of MicroStation. It can be optimized better for 64 bit-operating systems and new hardware technology like dual core processors too.

The remote version of TerraSlave offers tools for job management as follows:

- Browse queued tasks.
- Remove the task from queue.
- Control the status of a task: stop, start again or delete
- Queue tasks, which are processing same or different data sets. However separate PCs cannot process same data at the same time.
- Define schedules of the tasks.
- Generate and view reports.



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