

Performance tuning is the improvement of system performance. Most systems will respond to increased load with some degree of decreasing performance. A system's ability to accept higher load is called scalability and modifying a system to handle a higher load is synonymous to performance tuning.

Systematic tuning follows these steps:

- Assess the problem and establish numeric values that categorize acceptable behavior;
- Measure the performance of the system before modification;
- Identify the part of the system that is critical for improving the performance. (This is called the bottleneck.);
- Modify that part of the system to remove the bottleneck;
- Measure the performance of the system after modification.

A performance problem may be identified by slow or unresponsive systems. This usually occurs because high system loading, causing some part of the system to reach a limit in its ability to respond. Numerous techniques are used to improve performance. Among them are code optimization, load balancing, caching strategy, and distributed computing, and self-tuning.

Agitech's Performance Tuning Services include:

- Platform Specific Best Practices
- Database Performance Tuning
- Instance Configuration & System Optimization
- SQL Tuning
- I/O Rationalization