

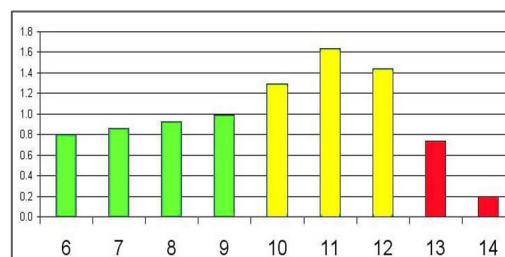
Lace Watcher: An automated preventive maintenance system

A must have system for Infrastructure Managers and Managed Service Providers

Lace Watcher is an innovative system that calculates the fragmentation levels of the files and the free space in the disks of the organization.

The purpose of the system is to extend the lifespan of computers by improving the internal order on the disks.

Our research, which was presented at the SYSTOR 2010 international research conference hosted by IBM LABS in Haifa, showed that attempting to take care of a computer by running a defragmentation



utility while the computer is already showing slowdown symptoms is futile (*The red columns on the right*). The same action, if done as a result of relying on the fragmentation factor calculated by the program (*The x-axis*) and thus carried out before the symptoms appear, significantly improves the disk structure (*The yellow columns*) and delays any related expense. The current practice of running defragmentation on a periodic basis is not only wasteful (*The green columns*) but also risky, because most of the problems with disks are known to occur during defragmentation.

The program is of special importance to Infrastructure Managers and Managed Service Providers. This is because after the preliminary installation at the customers' site in which the computers that need immediate attention are identified, the program can send alerts by mail to any provider responsible for the health of computers and servers on the site. Once the filters have been calibrated according to the status of all the computers, **a fully automated preventive maintenance becomes operational.**

The technology (*patent pending*) is already in use by some 300 000 users, and has undergone widespread testing by major customers including airlines, educational institutes, industries, and scientific laboratories.



Please visit <http://www.disklace.com> for more details and try the technology hands-on program.