



# MaxParallel™ for Windows Server®

Workload optimization software for more responsive applications

Improves responsiveness of applications and processes bogged down by I/O bottlenecks in the operating system

- ✓ Simple plug and play software
- ✓ No changes to data, applications or hardware
- ✓ Experience benefits in minutes

Reduces infrastructure costs through more productive use of server cores and memory



Ideal solution for critical I/O-intensive workloads



Speed up concurrent data access by removing serial chokepoints that cause delays



## HOW IT WORKS

MaxParallel™ for Windows Server® makes workloads more responsive and productive by removing a number of software chokepoints responsible for sluggish behavior and underutilized resources. It's especially effective during peak periods when many users or tasks compete for data access. Under these conditions, systems tend to bog down as simultaneous requests are serialized waiting on previous requests to complete.

DataCore's plug-and-play software schedules independent access to data in parallel, eliminating much of the queuing delays at the root of the problem. The process puts idle cores to work on these high-priority I/O-intensive demands to take full advantage of available resources.

## IMPROVEMENTS VISIBLE AT A GLANCE

The built-in dashboard contrasts key performance indicators before and after MaxParallel services have been turned on. The white lines record the initial conditions. The blue lines and percentage numbers reveal the improvements.

The three speedometers on the top display the number of read and write requests per second, and the total I/O Operations per second. (IOPs).

The lower speedometer tracks total throughput in Megabytes/second. The lower two bar graphs on the left and center display average read and write latency. These are important measures of system responsiveness and productivity.

### BEST FIT

Off the shelf and custom applications benefit from the added parallelism without changing a line of code. These include DevOps environments running in Containers and VMs, VDI, file servers, databases, as well as collaboration / mail servers, to name a few.

### SELF-TUNING

Machine learning techniques automatically tune the level of parallelism, caching and I/O optimization, dynamically enlisting idle cores as the demand for data rises, and then freeing the cores for other activities when the demand declines.

### NO HARDWARE CHANGES

There are no special hardware changes necessary to take advantage of MaxParallel optimization software.

### TRY IT- TAKES ONLY MINUTES

It only takes a few minutes during a convenient planned maintenance window to install the trial software and reboot the server. Once in place, the MaxParallel services can be turned on or off during normal operations to see how it benefits the customer experience.

Try MaxParallel software on your most challenging Windows Server applications. It could be the simple remedy to sluggish or erratic response in your critical data-intensive applications.

#### Before

Delays & waste caused by normal serial scheduling

8-core server / 5 working / 3 idle

#### After

Fast, concurrent data access with MaxParallel™ plug-in

8-cores / all 8 put to work

## 20% to 50%

Higher productivity from your Windows servers

- ✓ Quicker response
- ✓ Higher throughput
- ✓ Greater efficiency

**MaxParallel™ for Windows Server®**  
is available from DataCore-authorized partners around the globe.

Annual subscriptions are priced by server cores.

Free Trial Downloads and other Resources available at [www.datacore.com/maxparallel](http://www.datacore.com/maxparallel)

For additional information, please visit [datacore.com](http://datacore.com) or email [info@datacore.com](mailto:info@datacore.com)

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