

> PROGRESS<sup>®</sup>  
DATADIRECT CONNECT<sup>®</sup>  
DATABASE DRIVERS

## Performance Advantages

Connect Drivers Increase Performance  
and Save You Money

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## DOING MORE WITH WHAT YOU HAVE

For many application developers, processing capacity is a limiting factor, especially when onboarding new user groups or projects. In these types of scenarios, balancing the risks of application performance degradation (and user dissatisfaction) with the risks of inflated IT infrastructure costs, are an ongoing concern that consumes valuable time, resources, and money.

## THE ANSWER – PROGRESS DATADIRECT CONNECT

Unlike alternative database drivers, Progress DataDirect Connect enables applications to make optimal use of available resources thereby increasing existing processing capacity and enhancing architectural elasticity. As a result, they easily onboard new user groups or projects, and assimilate volume processing spikes during peak usage. This means they can minimize downstream infrastructure and hardware investments.

Database drivers and data providers are integral parts of database middleware, but they do not work in isolation. Instead, they are part of a multi-layered architecture, working in concert with a variety of other infrastructure components.

Progress DataDirect Connect drivers and data providers optimize the usage of key infrastructure components such as runtime environments, operating systems, network protocols as well as hardware components such as memory and CPU.

This optimization enables applications to scale quickly and increase performance without inflating infrastructure and hardware costs.

## COMPETITIVE TESTING RESULTS

When tested against a driver from a large database manufacturer, Progress DataDirect Connect delivered performance gains of 400%, while operating with a 60% increase in efficiency. If not tuned for optimal usage, key infrastructure components such as runtime environments, operating systems, network protocols as well as hardware components such as memory and CPU quickly become limiting factors for application performance.

Via robust performance tuning features that optimize resource usage, maximize existing capacity, and eliminate bottlenecks, Progress DataDirect Connect empowers application developers with increased throughput and dramatic improvements in application performance.

In large virtualized environments, Progress DataDirect Connect demonstrates additional value; giving application architects the power to both achieve the cost reduction targets of virtualization while ensuring uninterrupted performance for their enterprise.

When it comes to ensuring application performance, scalability and reliability application developers must look closely at the negative impacts of inferior data access products. Inefficient data access products consume available processing capacity at an alarming rate. And with shrinking capacity, application developers are faced with a sobering choice – sacrifice performance or scarce budget dollars.

Duration	Connect	Competition	Comparison	Comparison Notes
<b>Time to Select 500 Rows (MLS)</b>				
100 Iterations	265	1313	395.5%	As more queries run, Connect becomes more efficient at an increasing rate, meaning more transactions on the same hardware – by changing only the driver.
<b>CPU Seconds</b>				
100 Iterations	0.203	0.531	(61.8%)	60% less resource requirements ensures maximized capacity and performance gains in highly virtualized environments. <b><u>The more efficient Connect driver provides more elasticity for peak usage.</u></b>
<b>Throughput (Numbers of Rows/Second)</b>				
100 Seconds	251,731/sec	39,770	533.0%	Regardless of the amount of time the tests were run, the Progress DataDirect driver maintained more than a 5x throughput advantage over the competition.

Progress DataDirect Connect solves this ongoing challenge by ensuring optimized usage of all available resources, eliminating performance and scalability concerns and allowing application developers to focus their resources on delivering greater application functionality, rather than constantly increasing spending on infrastructure and hardware assets.

#### FOR MORE INFORMATION:

<http://www.datadirect.com/products/data-connectivity-features/performance>

#### FOR A FREE TRIAL DOWNLOAD:

<http://www.datadirect.com/download.html>