

Corworks Knowledge Server



Compression. Compatibility.

Already there.

Corworks Knowledge Server is the open platform software solution created to tame the big data explosion. Knowledge Server compresses files approximately 80% while allowing access to files in compressed form. This creates unprecedented hardware savings and dramatically increases speed.

Why?

Discover seven reasons inside.



Corworks Knowledge Server

Seven reasons why Knowledge Server is the most efficient solution for big data management.

1 Compression. Big data is here. In fact, data doubles every eight months. If your company is using 25 TB of data today, it will likely need to manage one petabyte of data by 2005. Corworks Knowledge Server tames the big data explosion through Corworks' breakthrough compression technology that allows files to be accessed and edited in compressed form. How powerful is this compression? Corworks reduces raw data approximately 80%. It's like turning your data warehouse into a data closet. Data giants like MasterCard, Acxiom and Equifax have already discovered the incredible hardware savings in using Corworks to shrink their data to one fifth of its original size. MasterCard was able to store and access 40TB of transactional data in 8TB of space creating massive hardware savings. Best of all, because Corworks operates using compressed flat files and in-memory processing, there is no "teraflation" that plagues large relational databases which can require an additional three to five times the hard-disk space to operate.

2 Works with Existing Equipment. Corworks is completely platform neutral. It works with your existing hardware and through our Application Program Interface (API) it works with SAS, Java, or C. In addition, data may be easily accessed by our graphical Knowledge Center Interface. Many customers have reported being able to delay significant hardware purchases as Corworks prolongs the life of your existing hardware. There's no need to add massive amounts of new machinery to handle the demands of big data. Corworks shrinks data down to a manageable size. Corworks automatically reads and standardizes data from mainframes, relational databases and external data sources. Corworks also automatically outputs data to commercial databases and reporting platforms. The goal of Corworks is not to change the way you work. Corworks lets you manage more data and get the answers you need faster.

3 Time Series. Knowledge Server harnesses your data to provide advanced analytics and enable complex predictive modeling. Because Corworks stores all your historical data in detailed form, you can better predict the future by using our built-in time series processing. How easy have we made it? Time series can be applied to any time-dependent data. Now you can define an event (such as a credit increase or move) and analyze data leading up to the event as well as the data after the event occurred. This means you can pick any event in a customer's history and Corworks can automatically find that event in other customers' histories to align all the data around the event regardless of when the event occurred. This patented event-driven time series capability is a major breakthrough. Corworks Time Series automatically assembles and delivers aligned data to allow statisticians and modelers to build predictive models in a snap. The result is information you can use to make real-time business decisions.

4 Instant Queries. Corworks' compression has even more advantages than just hardware savings. Knowledge Server increases the speed of gathering business intelligence. An intelligent header, created when the data is swept during compression, allow 60-70% of all queries to be answered in seconds. Corworks compresses files in a new way to create the Corworks Data Object. Each Data Object is indexed and contains a static and dynamic header encapsulating business intelligence with the raw data file. By drawing core data such as totals, percentages, and minimum/maximum of every attribute from the Data Object header, Corworks can respond to most queries instantly. Corworks goes a step further. Indexed Data Objects allow direct access to individual records from hundreds of millions in real-time.

5 Speed and Efficiency. 80% compression already equals speed, but Corworks did not stop there. Knowledge Server has been created to optimize your technology. Corworks' sophisticated multi-threaded and built-in parallel processing capabilities for both SMP and MPP architectures quickly integrate and extract vast amounts of customer detail from internal and external source files of multiple formats. The Corworks advantage is magnified by the fact that Corworks does not require the large amounts of work space, sort space, and overhead that cause relational databases to "teraflate" to several times the raw data size, sapping valuable resources for their own processes.

6 Cornerstone for Big Data Management.

Corworks Knowledge Server is the foundation for big data management. There is no limit to the amount of data that can be stored. Corworks provides a scalable and expandable foundation that grows with your business. Scalability is as simple as compressing more data. Knowledge Server also allows you to keep all your detailed data and provision it out to any secondary databases you desire. And of course, you can access all your data directly from Knowledge Server. With Knowledge Server as the cornerstone, new possibilities for your data emerge. Add on Corworks Data Exchange (CDX) to create speed and flexibility in accessing and distributing disparate sources of data. Add on Corworks Relationship Builder, the most flexible householding product on the market, to create customer definitions in any way you choose as often as you choose, using your existing data. Collectively, these products create the Corworks suite of big data management software which we believe represent a new, revolutionary way to conquer the big data explosion.

7 Ease of Implementation. With Corworks Knowledge Server, implementation is quick. Corworks takes the guesswork out of data warehousing. Knowledge Server doesn't require a data modeling exercise. You can save all your data, every row, and every column. You don't have to eliminate data to accommodate size since Corworks compresses data 80%. The minute you compress your data, it's useable and you start gaining business intelligence. Because Corworks works with your existing equipment, we can have you up and running in less than three months.

How Knowledge Server Works.

- Step One:** Decide on the Corworks license you want.
- Step Two:** Install the product and start compressing your data.
- Step Three:** Take the QuickStart Training Program and start managing your data to gain greater business intelligence.



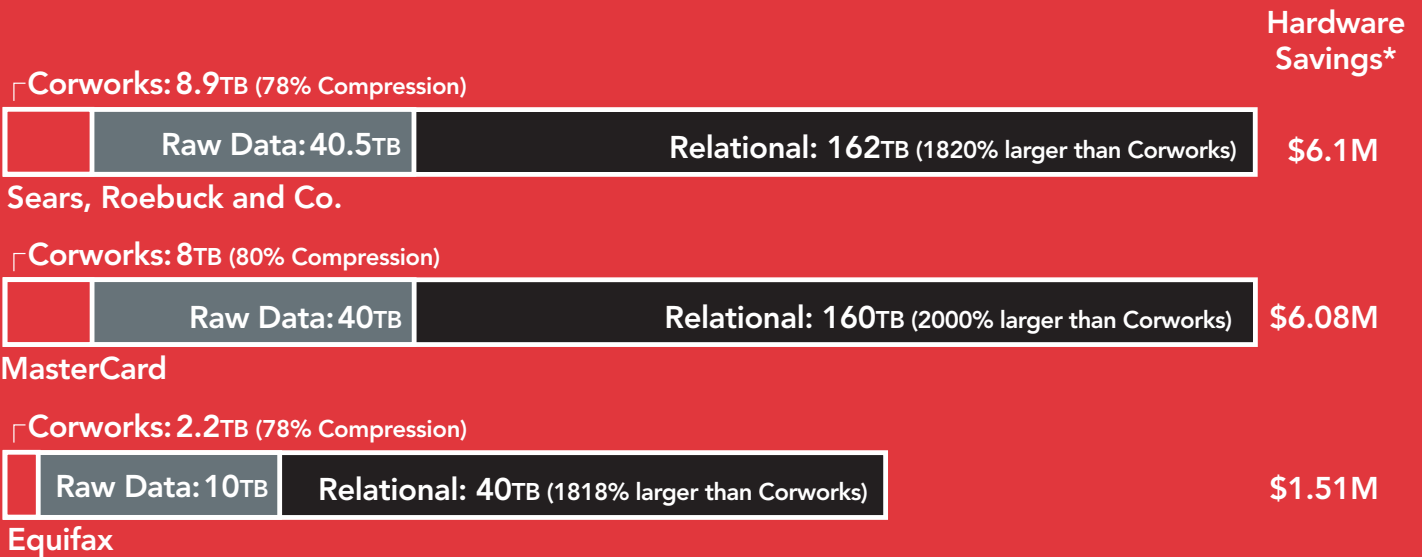
For more information
contact Corworks at:
800-915-2666
sales@corworks.com


Already there.™

Turn your data warehouse into a data closet.

Corworks allows you to compress raw data 80% and access data in compressed form. Here's how some of our customers performed.

For example, Sears, Roebuck and Co. manages 40.5TB of raw data in 8.9TB of space. The typical relational database would require 162TB of hard disk space to manage 40.5TB of raw data.



* Potential Savings calculated at \$40K per terabyte of hardware storage.



35 Sixth Street, Stamford, CT 06905 ◦ P 800-915-2666 ◦ F 203-325-9642 ◦ www.corworks.com