IBM i Solution Edition for JD Edwards

Reduce the cost, complexity and risk of deploying JD Edwards ERP solutions

Highlights

- Save money on a complete JD Edwards ERP solution that includes fully integrated hardware, infrastructure software and a services voucher

- Benefit from superior service and support with highly coordinated, joint service teams

- Leverage a platform that utilizes the full power of IBM i, with industry-leading scalability, performance and energy efficiency

- Choose an infrastructure platform that delivers a competitive cost of acquisition through specialty pricing and lowest total cost of ownership through reduced maintenance and ongoing support costs

The complexities of today's global business environment often spur organizations to find a way to better manage diverse operations, from finance and human resources to production and distribution. Often, organizations simply outgrow existing resources, which may have been implemented piecemeal, and because they are not designed to work together, they offer limited functionality.

As the business grows, functionality becomes more challenging. While the benefits of deploying an integrated ERP solution are numerous, from increased efficiencies and greater budget control to faster market response time, businesses also must find the right platform on which to deploy an ERP solution—one that is powerful and scalable, but is neither too costly to attain, too risky to deploy nor too complex to manage.

IBM i Solution Edition for JD Edwards addresses these needs, providing a complete, fully integrated solution that combines the highly available IBM i operating system and IBM POWER8™ processor-based Power® Systems servers with Oracle's JD Edwards ERP software to help reduce the cost, complexity and risk of deploying an ERP solution. This powerful solution enables fast implementation and superior support from collaborative IBM and JD Edwards service teams.

Based on technology developed by JD Edwards and its longest-standing technology partner—IBM—the IBM i Solution Edition for JD Edwards delivers:

- A complete solution that provides full integration of all needed systems, infrastructure software and a services voucher.
- The assurance of superior service and support via highly coordinated, joint service teams.
- An ERP platform that utilizes the full power of IBM i, which delivers high availability, massive scalability and industry-leading energy efficiency.
- The lowest total cost of ownership through reduced maintenance, software license costs, personnel costs, facilities costs and ongoing support costs. [1]
- Leading technology including the option to use Solid State Drives (SSDs) for maximum performance.

"Costs for use of IBM i 7.2 and Power Systems are lower across the board. For example, initial acquisition costs for hardware and software licenses average 35 percent less than for use of Windows and SQL Server, and 46 percent less than for x86 Linux servers with Oracle." [1]

A powerful solution that is purpose-built for JD Edwards ERP software

IBM i Solution Edition for JD Edwards is purpose-built to support JD Edwards EnterpriseOne and World software. Built on IBM POWER8 processor technology, the IBM i Solution Edition for JD Edwards is configured and tested specifically for clients running up to thousands of concurrent JD Edwards EnterpriseOne or World users. And, because it is built with IBM POWER8 processor technology, IBM i Solution Edition for JD Edwards provides increased scalability and the ability to run more JD Edwards EnterpriseOne or World users in a single footprint.

Typical JD Edwards EnterpriseOne sizing on IBM Power Systems servers
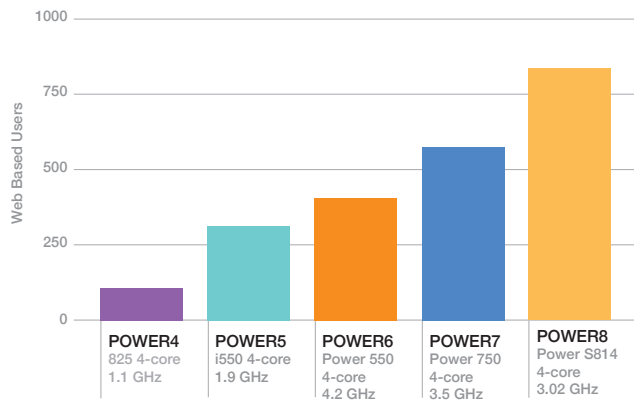
IBM POWER8 technology accommodates more users per core with higher performance than previous versions.

The value of IBM i

IBM i running on an IBM Power Systems server offers a highly scalable and robust architecture with a proven reputation for exceptional business resilience and low operational costs. Running applications based on IBM i has helped companies over many years to focus on innovation and on delivering new value to their business, not on managing their data center operations.

IBM i provides a fully integrated and optimized combination of relational database, trusted role and object based security model, integrated networking and the storage management capabilities required to run business applications. The integrated SQL standards-compliant DB2® for IBM i database includes advanced database management utilities. IBM i also includes additional integrated middleware components such as multiple file systems, LDAP directory, an HTTP Web-server powered by Apache, WebSphere® Application Server and an integrated security environment.

IBM's integration, optimization and testing of IBM i is a key factor in helping companies to realize lower operations costs by enabling them to deploy applications faster and maintain them with fewer staff. IBM develops, fully tests and pre-loads the core middleware components of IBM i together, up front; whereas, on other platforms, the operating system, database and middleware are typically integrated and tested by clients in their data center.

IBM Power S814 server with POWER8 processors

Reduce cost of acquisition, ownership

Through special pricing available exclusively to new and existing JD Edwards EnterpriseOne and World software customers, the IBM i Solution Edition for JD Edwards is competitively priced when compared with similarly sized Intel® processor-based solutions. In addition, unlike competitive offerings, the IBM solution comes complete with all the necessary hardware (processors, memory and storage), infrastructure software and a services voucher, so additional equipment purchases—and additional staffing, such as a database administrator to tune the database—are not necessary. Because the solution is also pretested prior to deployment, you have the assurance of knowing that all necessary components are in place.

In terms of IT costs, use of IBM i on Power Systems results in three-year costs that average 54 percent less than for use of Windows servers with SQL Server, and 62 percent less than for use of Oracle Database Appliance. [2]

"Costs of downtime [for Power Systems with IBM i] averaged 87 percent less than for use of Windows servers and 64 percent less than for use of Oracle Database Appliance." [2]

Invest in built-in scalability

Another valid concern for businesses is finding a platform that will grow as their business needs expand. The IBM i Solution Edition for JD Edwards is ready to grow when you are, with extra processor capacity in reserve.

While each IBM i Solution Edition for JD Edwards is customized for each customer's needs, the Power S814 base configuration comes complete with four processor cores and one core licensed for IBM i. The Power S814 can also be ordered with six or eight processor cores. When the need arises, you can add operating system licenses to utilize the additional processor cores to satisfy growth requirements, or you can deploy other applications to run on IBM i, Linux or IBM AIX®.

See Table 1 for a summary of configuration options for the IBM i Solution Edition for JD Edwards offering.

Leverage included services voucher

IBM i Solution Editions include a services voucher to help provide implementation assistance from IBM Lab Services or an authorized IBM Business Partner to speed the implementation of your new business solutions. This voucher can be used for software installation and configuration, DB2 optimization, JD Edwards software performance tuning, migration assistance, or for a security assessment of your environment. For a complete list of services available visit: **ibm.com**/systems/services/labservices/platforms/labservices_power.html

Experience superior customer support

In a growing enterprise, perhaps nothing is more frustrating than finger-pointing when an IT problem arises. IBM i Solution Edition for JD Edwards addresses this problem head-on, providing enterprises with industry-leading, highly coordinated customer support, including:

Joint support teams. Only IBM Power Systems servers with IBM i offer a coordinated support model for JD Edwards World and EnterpriseOne customers, with expert, cross-trained support personnel on-site at both IBM and Oracle. This coordinated support, with a single management contact for problem escalation, helps speed problem resolution and minimize business disruptions. In fact, overall customer satisfaction is among the highest for customers running JD Edwards applications on Power System servers with IBM i.

Resource library. Access a wide range of technical papers on IBM WebSphere clustering, batch optimization and general tuning of JD Edwards EnterpriseOne software running on IBM i. These papers are available at: ibmandoracle.com

Average three-year IT costs by platform

Platform	Value
IBM i 7.2/POWER8	230.7
Oracle Database Appliance	608.5
Windows Servers	496.7

$ Thousands

Legend: Hardware & Maintenance, Software licenses, Software Support, Personnel, Facilities
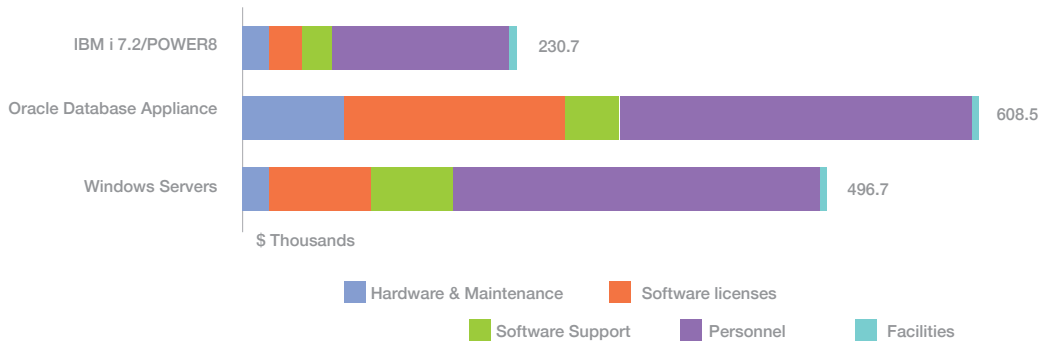
Average three-year IT costs for deploying JD Edwards EnterpriseOne on IBM i, Linux, and Windows®.

Source: "Value Proposition for IBM Power Systems Servers with the POWER8 Processor and IBM i: Oracle's JD Edwards EnterpriseOne Deployment in Midsize Businesses" December 2015. International Technology Group, Naples, Florida.

Choose the model that best meets your needs

IBM i Solution Edition for JD Edwards is available built on the IBM Power S814 server. IBM Power servers allow small or mid-sized companies seeking simplicity to avoid increased spending and staffing requirements while becoming more responsive to their customers, improving productivity and keeping their data secure.

IBM Power Systems servers and IBM i provide integrated features to simplify your IT environment and deliver a complete, cost-effective business system that can grow with your business. They also provide the outstanding performance and workload-optimizing features of the POWER8 processor. Table 1 provides a summary of the configuration options for the IBM i Solution Edition for JD Edwards.

Obtain a customized sizing estimate

IBM and Oracle have developed a capacity estimation capability to aid in designing an optimal configuration for each specific JD Edwards EnterpriseOne or World environment. The IBM Techline Solution Sizing Team, accessible through IBM or your IBM Business Partner, can provide a detailed sizing estimate. To begin the sizing process, simply download the appropriate sizing questionnaire from: **ibm.com**/partnerworld/wps/servlet/ContentHandler/techline/ FAQ00000750

"Three-year exposure to the effects of a 12-hour unplanned outage averages 68 percent less for use of IBM on POWER8-based systems than for Windows servers, and 36 percent less than for Oracle Database Appliance." [2]

	Power S814	Power S814
Processor cores shipped	4	6 or 8
Processor technology	POWER8	POWER8
Memory	Up to 64 GB	Up to 512 GB
Disk * (internal)	Up to 10 SAS	Up to 348 SAS
No charge processor activations included	3	5
IBM i entitlements	IBM i users at $70 each	IBM i users at $70 each
Services voucher	Up to 4 hours	Up to 8 hours

* External attached storage is also supported

Table 1: Configurations summary for IBM i Solution Edition for JD Edwards

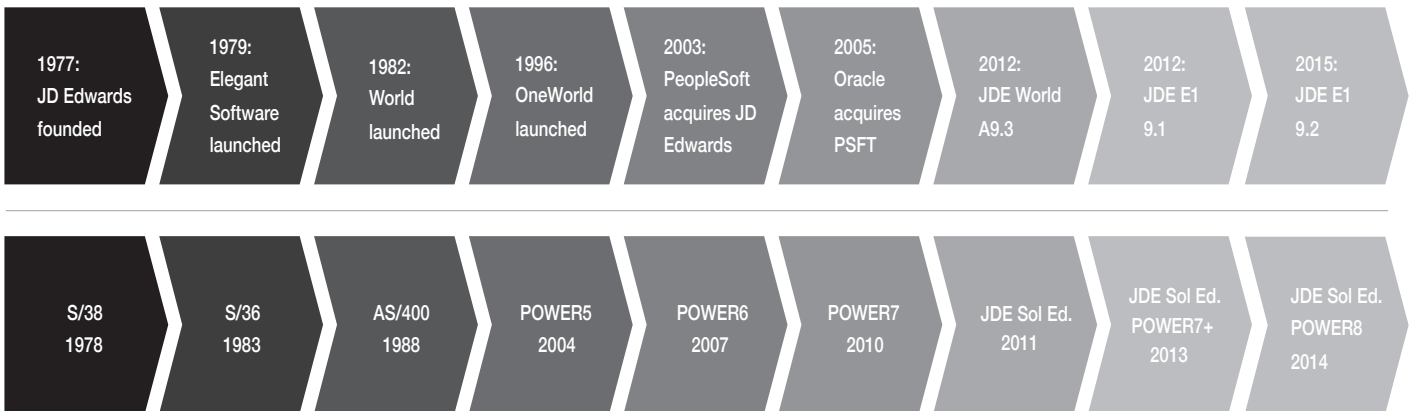## Experience the benefits of an established and proven partnership

For nearly 40 years, businesses have been running JD Edwards application software on IBM hardware. In fact, IBM is JD Edwards' longest-standing hardware partner. JD Edwards applications and IBM servers have evolved together, and today enterprises often choose to run JD Edwards applications on the IBM Power Systems server line running the IBM i operating system.

Since 1986, IBM and Oracle have partnered to create innovative technology that today benefits more than 100,000 joint customers through the strength and stability of that alliance. The Oracle and IBM alliance offers technology, applications, services and hardware solutions that mitigate risk, boost efficiency and reduce total cost of ownership.

In addition, IBM maintains a JD Edwards Practice within IBM Global Business Services (GBS)—an Oracle Diamond Level Partner. IBM GBS employs more than 5,000

experienced professionals who have completed more than 7,500 Oracle projects. IBM and Oracle continually enhance the alliance to ensure they are helping companies respond quickly to constantly shifting market conditions and client demands. This is accomplished by delivering industry-specific hardware and software solutions, optimized to each customer's environment.

"IBM i security incidents are rare, and malware infection is virtually unknown. This reflects the system's object-based architecture. Objects are encapsulated in a manner that places strict controls on data as well as system code, making it extremely difficult for unauthorized instructions to execute." [2]

| 1977: JD Edwards founded | 1979: Elegant Software launched | 1982: World launched | 1996: OneWorld launched | 2003: PeopleSoft acquires JD Edwards | 2005: Oracle acquires PSFT | 2012: JDE World A9.3 | 2012: JDE E1 9.1 | 2015: JDE E1 9.2 |

| S/38 1978 | S/36 1983 | AS/400 1988 | POWER5 2004 | POWER6 2007 | POWER7 2010 | JDE Sol Ed. 2011 | JDE Sol Ed. POWER7+ 2013 | JDE Sol Ed. POWER8 2014 |

IBM is JD Edwards' longest-standing technology partner. The companies have worked together since JD Edwards' founding in 1977.

For more information

To learn more about joint solutions from IBM and Oracle, contact your IBM representative or IBM Business Partner at 1-866-426-9989, or visit:

ibm.com/solutions/oracle

ibmandoracle.com

For more information about the IBM i Solution Edition offering, visit:

ibm.com/systems/power/hardware/solutioneditions/ibmi/

For more information about the IBM Power Systems family, visit:

ibm.com/systems/power

For more information about the IBM Power S814, visit:

ibm.com/systems/power/hardware/s814/index.html

For more information about IBM i, visit:

ibm.com/systems/power/software/i/

For more information about JD Edwards EnterpriseOne, visit:

www.oracle.com/us/products/applications/jd-edwards-enterpriseone

For more information about JD Edwards World, visit:

www.oracle.com/us/products/applications/jd-edwards-world/overview

To learn about customer who have successfully upgraded their Power Systems infrastructure while running JD Edwards software, download:

ibm.com/common/ssi/cgi-bin/ssialias?infotype=SA&subtype=WH&htmlfid=ORL03014USEN

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[1] "IBM i on Power Systems for Midsized Businesses: Minimizing Costs and Risks for Cloud, Analytics and Mobile Environments" September 2014. International Technology Group, Naples, Florida.

[2] "Value Proposition for IBM Power Systems Servers with the POWER8 Processor and IBM i: Oracle's JD Edwards EnterpriseOne Deployment in Midsize Businesses" December 2015. International Technology Group, Naples, Florida.

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