



## IBM Power 520 Express and Power 550 Express for Oracle E-Business Suite

*Manageable, flexible, efficient solutions for small and mid-sized companies*

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**IBM Power™ 520 and Power 550 Express servers, the efficient, reliable and scalable platform choice for Oracle E-Business Suite applications**

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**Based on the next generation of IBM's well-proven, scalable, open standards-based UNIX® operating system, AIX® 6.1**

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**Secure, reliable, manageable operating environment to reduce application outages**


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**Solutions from the IBM and Oracle alliance, adding value and helping to reduce risk**

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### **Power 520 Express and Power 550 Express**

The IBM Power 520 and Power 550 Express are flexible IBM POWER6™ processor-based entry servers that can run IBM AIX, IBM i (formerly known as IBM i5/OS®) and Linux® operating systems. These new systems are ideal for small and medium-sized enterprise clients who need easy-to-use, easy-to-manage, flexible and efficient platforms for deploying mission-critical applications such as Oracle E-Business Suite. These servers include configuration flexibility to meet most capacity and growth requirements and are designed to deliver outstanding business value. These attractively configured offerings deliver innovative availability features, better price/performance and improved energy efficiency.



For a complete integrated business system, these servers allow small and mid-sized companies that seek simplicity to avoid increased spending and staffing requirements while becoming more responsive to their customers, improving their productivity and keeping their data secure. In addition, Power 520 and 550 Express integrate features to simplify your IT environment and deliver a complete, cost-effective business system that grows with your business.

### **Leadership POWER6 performance**

The leadership performance of the POWER6 processor — the world's fastest chip — makes it possible for applications such as Oracle E-Business Suite to run faster and be more responsive, which can result in business advantages and higher customer satisfaction. In addition, a single system can now run more applications and can reduce the number of required servers and reduce infrastructure costs. The improved performance with POWER6 technology also enables clients to get more processing power with fewer processors, resulting in lower per core software licensing costs.

### **Application availability**

The Power 520 and 550 Express are designed with capabilities to deliver outstanding application availability and allow more work to be processed with less operational disruption. These capabilities include recovery from intermittent errors or failover to redundant components, detection and reporting of failures and impending failures, and self-healing hardware that automatically initiates actions to effect error correction, repair or component replacement. In addition, the Processor Instruction Retry RAS feature provides for the continuous monitoring of processor status with the capability to restart a processor if certain errors are detected. If required, workloads can be redirected to alternative processors, all without disruption to application execution. In combination with the optional IBM PowerVM™ Enterprise Edition offering with Live Partition Application Mobility, the Power 520 and 550 Express deliver near-continuous application availability.

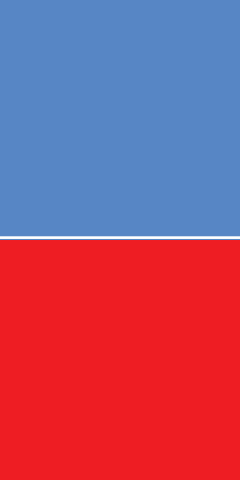
## **Improved utilization and energy efficiency**

As the price of energy increases and resources are limited, energy efficiency through better utilization has become more important. The leadership performance of the Power 520 and 550 Express translates into greater computing power for applications such as Oracle E-Business Suite. Combine this leadership performance with PowerVM Editions to virtualize your infrastructure and improve server utilization and energy efficiency. PowerVM Editions provide an innovative set of comprehensive systems technologies and services designed to enable you to easily aggregate and manage virtualized resources. IBM Micro-Partitioning™ technology enables the Power 520 and 550 Express to be split into flexible and highly utilized systems. The IBM® Systems Director Active Energy Manager™ offering exploits POWER6 processor-based IBM EnergyScale™ technology, which monitors power and thermal utilization and conserves power by enabling power management features for improved system utilization and energy efficiency.

## **The next step in the evolution of the UNIX OS**

Businesses today need to maximize the return on investment in information technology. Their IT infrastructure should have the flexibility to quickly adjust to changing business computing requirements and scale to handle ever-expanding workloads — without adding complexity. But just providing flexibility and performance isn't enough; the IT infrastructure also needs to provide rock-solid security and near-continuous availability while managing energy and cooling costs.

These are just some of the reasons why more and more businesses are choosing the AIX operating system (OS) running on IBM systems designed with IBM Power Architecture® technology. With its proven scalability, advanced virtualization, security, manageability and reliability features, the AIX OS is an excellent choice for building an IT infrastructure. And, AIX is the only operating system that leverages decades of IBM technology innovation designed to provide the highest level of performance and reliability of any UNIX operating system.



The newest version of AIX, Version 6.1, is binary-compatible with previous versions of the AIX OS, including IBM AIX5L™ and even earlier versions of AIX. In addition, Oracle E-Business Suite Release 12 is now supported with AIX 6.1.

### **Oracle E-Business Suite Release 12**

Oracle E-Business Suite Release 12 helps enable businesses to think globally to make better decisions, work globally to be more competitive, and manage globally to lower costs and increase performance. With a new user experience and hundreds of cross-industry capabilities spanning enterprise resource planning, customer relationship management and supply chain planning, this new release helps you manage the complexities of global business environments. The Oracle E-Business Suite family of applications automates and streamlines your business processes, for enterprise-wide daily business intelligence that helps you make more informed decisions, improve operations and reduce costs. A unified data model provides a single, accurate view of all your business information, including a complete business view of your customers.

### **Applications Unlimited and Lifetime Support**

With Oracle E-Business Suite, your technology investment is protected with a comprehensive, well-defined product road map, backed with the Oracle Lifetime Support and Applications Unlimited policies. Applications Unlimited is Oracle's plan to continue enhancing current application product lines while simultaneously developing the next-generation Fusion Applications. Customer input is driving innovations and enhancements for all future releases. Oracle continues to focus on ongoing upgrade innovations — delivering reduced downtime, shorter upgrade cycles, and proven upgrade paths and methodologies — to ensure that upgrades are now simpler and more efficient. In addition to enhancing existing applications, Oracle will also continue to support them.

The Oracle Lifetime Support Policy further extends Oracle's support for its applications. Simple, predictable, and the most comprehensive policy available, Lifetime Support helps drive business success. This industry-leading policy from Oracle covers your entire technology stack, from database to middleware to applications. It puts you in control of your upgrade strategy so you can enjoy continued peace of mind, knowing that no matter which product release you're running, Oracle is there to support your business.

### Oracle E-Business Suite configuration examples using IBM Power Systems

IBM has tested the performance of Oracle E-Business Suite at the IBM Oracle International Competency Center (ICC) test labs in California. The configuration examples shown in Table 1 are based on the performance data gathered during these tests. These examples reflect a typical deployment of Oracle E-Business Suite with the database server and the application server functions both running on the Power 520 or 550 Express server as shown in Figure 1. Other configuration options are possible. These sample configurations illustrate the server resources required but do not address all the requirements of an Oracle E-Business Suite implementation.

Active users	Power Systems model (cores)	Memory	Disk drives (minimum)
25	520 4.2 GHz (1-core)	4 GB	10
50	520 4.2 GHz (1-core)	5 GB	12
100	520 4.2 GHz (1-core)	7 GB	21
200	520 4.2 GHz (2-core)	12 GB	42
400	550 4.2 GHz (2-core)	23 GB	84

Table 1. Oracle E-Business Suite configuration examples



Figure 1. Oracle E-Business Suite deployment example



## Configuration considerations

For the examples shown in Table 1, “Active users” is the number of standard concurrent users of the Oracle E-Business Suite general ledger application. “Disk drives” refers to the minimum required number of drives and assumes 15 000 rpm fibre-channel-attached disk drives with no disk mirroring.

All example configurations shown in this document are for illustration purposes only and should not be used as sizing estimates for your environment. For current status regarding Oracle products supported on the IBM Power Systems platform, please consult with Oracle Corporation or with the IBM Oracle ICC at [ibmoracle@us.ibm.com](mailto:ibmoracle@us.ibm.com).

## Sizing Oracle E-Business Suite for IBM Power Systems

IBM and Oracle working together have developed a capacity estimation capability to aid in designing an optimal configuration for each specific Oracle E-Business Suite client environment. A detailed sizing estimate customized for your environment should be obtained from the IBM Techline Solution Sizing Team, accessible through your IBM or IBM Business Partner representative. In the Americas, you can download a questionnaire to start the sizing process from:

[ibm.com/erp/sizing](http://ibm.com/erp/sizing)

## The IBM and Oracle alliance

IBM and Oracle have been working together to solve clients' business problems since 1986. The two companies have over 19 000 common installations ranging from small to very large enterprises. The combination of Oracle's applications expertise with IBM's comprehensive portfolio of services, optimized hardware and storage has helped clients reduce their total cost of ownership and mitigate risk. IBM's service organization, IBM Global Business Services, is an Oracle Certified Advantage Partner and has a proven track record with over 5000 experienced professionals who have completed over 7500 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 through the delivery of industry-specific hardware and software solutions, optimized to the client's environment.

## **For more information**

To find out more about joint solutions from IBM and Oracle, please contact an IBM sales representative at 1-866-426-9989, or visit us at:

[ibm.com/solutions/oracle](http://ibm.com/solutions/oracle)

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

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For more information about Oracle E-Business Suite, visit:

[www.oracle.com/applications/e-business-suite.html](http://www.oracle.com/applications/e-business-suite.html)



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When referring to storage capacity, total TB equals total GB divided by 1000; accessible capacity may be less.



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