



## IBM Power Systems for Oracle PeopleSoft Applications

*Powerful, dynamic systems with POWER8 processors keep you ahead of the latest technology trends*

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**Designed and built for your business critical PeopleSoft deployments**

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**Data-centric design and optimization brings faster insight to the point of impact**

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**Improved IT economics efficiently deliver business services with a scalable, open cloud**

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**Joint IBM and Oracle testing, planning, and support deliver a robust enterprise-class computing platform for PeopleSoft applications**

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### **Built with innovation that puts data to work**

It's no secret that dynamic technology changes are rapidly remaking how organizations do business. The growing torrent of data from both within and outside your organization, from mobile employees and from customers and prospects, presents an unprecedented opportunity to gain valuable insights and apply these insights at the best point of impact to improve your business results.

Making the transition to advanced capabilities requires an integrated infrastructure that supports your key IT initiatives, and business critical PeopleSoft deployments. Our investments to bring optimized solutions in the areas of big data, analytics, cloud, and mobile access are designed to simplify and accelerate your journey to address today's market opportunities.

The newest generation of IBM® Power Systems™, with POWER8™ technology, is the first family of systems built with innovations that transform the power of big data and analytics, mobile, and cloud into competitive advantages in ways never before possible.



## **Optimized for the rigorous demands of enterprise computing**

IBM understands that applications and business processes have differing demands and that one size does not fit all. To ensure that technology aligns to business rather than the other way around, IBM offers a full range of Power® Systems servers each of which delivers leadership data capabilities, security, performance and scalability in its class. A totally integrated approach to the design, development, and testing of each and every Power server ensures the resiliency required for today's PeopleSoft deployments.

All Power Systems server models include innovative reliability, availability and serviceability features that help avoid unplanned downtime—plus a wide range of open technologies that give you added flexibility to match business needs. And, with Enterprise Pools, Capacity on Demand, and Live Partition Mobility—Power Systems enterprise servers ensure businesses can keep their PeopleSoft applications available, even as they add capacity to handle new and growing business demands.

## **Built on POWER, designed for data**

POWER® processor technology is a reduced instruction-set computing (RISC) architecture that spans applications from consumer electronics to supercomputers. POWER processors are at the forefront of both commercial and technical or high performance computing. So, in addition to excelling at commercial workloads like PeopleSoft, POWER is also behind many of today's top supercomputers. And POWER8 is the first processor designed from the ground up to handle big data.

POWER processors provide the foundation for designing systems for both traditional workloads like PeopleSoft and compute and data-intensive workloads like Web, analytics, mobile, and social applications. To achieve maximum performance, POWER processor-based systems are designed with optimization technologies that enable the system to tune automatically to specific workloads. Our latest generation of systems built with POWER8 technology offers balanced data-centric design to support the most challenging and complex data-hungry applications 2X faster than the prior generation:

- More computing power to distribute workloads—50 percent more cores, twice the number of threads per core, and smart acceleration enabled by our Coherent Accelerator Processor Interface (CAPI), an open interface allowing PCIe3 devices to participate in operations at memory speed without risk
- Massive workspace to process data quickly—Twice the memory and CAPI flash technology to achieve lower latency and a smaller footprint
- Broad pathways to move data in and out of systems with ease through expanded I/O

## **Integrated and easy-to-deploy**

A totally integrated approach to the design, development, and testing of each and every IBM Power Systems server ensures that they are simple to deploy and highly reliable as a foundation for PeopleSoft applications. IBM Power Systems offers thousands of popular industry applications from ISVs running on a choice of Linux®, AIX®, and IBM i operating systems. IBM has a full range of affordable Power Systems servers, each of which delivers leadership performance and scalability in its class.

## **The IBM and Oracle alliance**

Since 1986, Oracle and IBM have been providing customers with compelling joint solutions, combining Oracle's technology and application software with IBM's complementary hardware, software and services solutions. More than 100,000 joint clients benefit from the strength and stability of the Oracle and IBM alliance, which offers technology, applications, services, and hardware solutions that mitigate risk, boost efficiency, and lower total cost of ownership.

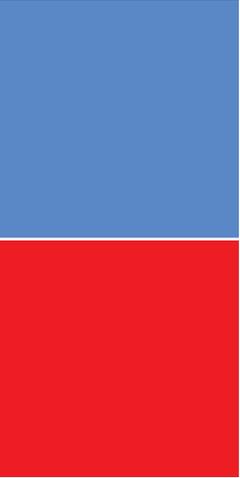
IBM is a Diamond Partner in the Oracle Partner Network, delivering the proven combination of industry insight, extensive real-world Oracle applications experience, deep technical skills and high performance servers and storage to create a complete business solution with a defined return on investment. From application selection, purchase and implementation to upgrade and maintenance, we help organizations reduce the total cost of ownership and the complexity of managing their current and future applications environment while building a solid base for business growth.

## **AIX – The future of UNIX**

According to IDC, the IBM Power Systems platform with AIX technology is the leader in worldwide UNIX® server revenue share.<sup>1</sup> An open standards-based UNIX operating system, IBM AIX software exploits decades of IBM technology innovation. According to ITIC's 2013 survey, the IBM AIX operating system delivered the highest reliability scores among different server operating systems, including Linux and other UNIX operating systems.<sup>2</sup>

AIX technology offers deep integration and optimization with PowerVM™ virtualization, PowerVC™ advanced virtualization management, and PowerHA® high availability software. The latest AIX 7.1 release features new cluster-aware integration with PowerHA, as well as the ability to run AIX 5.3 Workload Partitions to facilitate application migration and reuse. The AIX operating system is available in three editions for a range of capability and flexibility for both mid-sized and large enterprises.

AIX 7 and the previous release, AIX 6, are binary compatible with previous versions of AIX including AIX 5L™. This means that applications that ran on earlier versions will continue to run on AIX 7 or 6—guaranteed.<sup>3</sup>



## **PeopleSoft applications**

PeopleSoft applications deliver market-leading human resources (HR), financial and supply chain functionality which can help organizations increase productivity, accelerate business performance and lower cost of ownership.

## **PeopleSoft Fluid UI**

The most feature-rich applications deliver no value if they are not used. Ensuring you have applications that are intuitive to use is of the utmost importance to the PeopleSoft development team. Intuitive applications are a necessity in order to meet the expectations of today's users. This goes beyond a simplified user experience and includes solutions optimized for mobile platforms allowing users to work anywhere, anytime. The cornerstone of Oracle's ability to deliver intuitive-to-use PeopleSoft applications is the PeopleSoft Fluid User Interface (UI).

The PeopleSoft Fluid UI, now included in PeopleSoft 9.2, provides an intuitive and responsive user experience that is optimized across multiple platforms including mobile phones, tablets, and laptops. Many new features and functions take advantage of the PeopleSoft Fluid UI to provide employees, managers, and executives with a familiar native user experience that helps maximize productivity and effectiveness while reducing the need for training.

## **Improved user engagement**

The PeopleSoft Fluid UI delivers a brand new PeopleSoft navigation paradigm including tiled home pages and a new navigation bar that presents information in a similar way to consumer mobile applications. Cash managers, procurement operations, project managers and more will benefit from the easy to use role-based home pages and improved navigation model. This general familiarity and instant access to key areas of PeopleSoft drives greater user adoption.

## **Greater productivity**

Fluid UI enables managers to unify and approve HR transactions such as expenses, absences and promotions through any device, quickly improving productivity. Informed financial approvals and procurement transactions such as cash flow management, expense reporting and requisitioning can be completed using a variety of devices when the business requires it, not simply when the decision maker is in the office.

## **Enhanced decision-making**

Managers are not always in front of a computer when decisions need to be made. Using PeopleSoft's Fluid UI, managers can view and analyze real-time financial, project, and procurement data remotely on mobile devices to help make strategic decisions quickly, all based on the latest relevant information. Pivot grids and visualization options provide the most current data and enable exceptions to be reviewed and processed directly. Informed decisions are made using real time data that's easily available with Fluid UI.

## **Anywhere, anytime access**

Employees can complete tasks like entering time, expense reports and requesting absence reports all from a mobile device. Whether they are riding a train to the office, watching a sporting event or sitting on the patio at home, they have the ability to work on their schedule, regardless of location. Meanwhile, managers can also take advantage of mobile features, including reviewing time exceptions, managing team absences, monitoring cash positions and supplier performance regardless of their location. The responsive design of the Fluid UI provides the flexibility for employees and managers alike, to work on their terms, from wherever they are at the time.

## **PeopleSoft Selective Adoption**

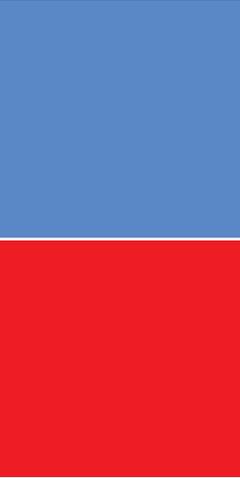
While the Fluid UI enhancements now available in PeopleSoft 9.2 applications are clearly the most visible to users, an even bigger benefit to customers will be realized with the PeopleSoft Selective Adoption model, which fundamentally changes how customers realize value from their PeopleSoft applications. The latest updates to PeopleSoft applications provide a range of enhancements including transaction simplification, embedded analytics, and compliance support. The PeopleSoft Selective Adoption model, enabled by the PeopleSoft Update Manager (PUM), makes these latest enhancements available to PeopleSoft 9.2 customers at the time of their choosing. No longer do customers need to wait for a big-bang upgrade to reap the rewards from new enhancements delivered by PeopleSoft. Selective Adoption makes new enhancements available in Update Images that are released several times a year. At a time that is right for the customer, new enhancements can be rolled out to their users without an upgrade being required; this significantly lowers the total cost of ownership and accelerates the delivery of valuable features to users.

## **Power Systems Software**

IBM offers a full range of IBM Power Systems Software™ technologies that enable businesses using PeopleSoft to fully exploit Power Systems servers. Designed and optimized specifically for Power Systems, IBM's offerings include IBM PowerVM virtualization software, IBM PowerHA software for high availability, PowerVP™ for performance monitoring, PowerVC for advanced virtualization management, and IBM Systems Director with IBM Active Energy Manager for platform and energy management. IBM's integrated approach to developing the systems and software together enables high system utilization, high resiliency and simplified management.

## **PowerVM virtualization**

IBM PowerVM provides the industrial-strength virtualization solution for IBM Power Systems servers and blades that run PeopleSoft workloads. Based on more than a decade of evolution and innovation, PowerVM represents the state of the art in enterprise virtualization and is broadly deployed in production environments worldwide by most Power Systems owners.



The IBM Power Systems family of scale-out and enterprise (scale-up) servers includes proven workload consolidation platforms that help clients control costs while improving overall performance, availability and energy efficiency. With these servers and IBM PowerVM virtualization solutions, an organization can consolidate large numbers of applications and servers, fully virtualize its system resources, and provide a more flexible, dynamic IT infrastructure. In other words, IBM Power Systems with PowerVM deliver the benefits of virtualization without limits.

PowerVM also offers a secure and resilient virtualization environment, built on the advanced RAS (reliability, availability and serviceability) features, extreme scalability and leadership performance of the IBM Power Systems platform, based on the outstanding Power processors.

### **PowerHA – resiliency without downtime**

Smarter computing by nature requires businesses to raise their services delivery levels, fueling 24x7 high availability demands for their applications and IT infrastructure. PowerHA SystemMirror for AIX and IBM i is a high availability clustering solution for both data center and multisite resiliency. PowerHA is designed to protect PeopleSoft business applications from outages of virtually any kind, helping ensure round-the-clock business operations.

The best high availability and disaster recovery plans involve an integrated approach to resiliency spanning across applications, operating systems, servers and storage. That's why PowerHA software offers deep integration and optimization between PowerHA SystemMirror software and AIX and IBM i.

### **IBM PowerVC Virtualization Center**

PowerVC is an advanced virtualization management offering, built on OpenStack, that provides simplified virtualization management for IBM AIX, IBM i and Linux virtual machines (VMs) running on IBM Power Systems. PowerVC is designed to improve administrator productivity and simplify the management of VMs and LPARs on Power Systems servers. PowerVC provides the foundation for Power Systems scalable cloud management, including integration to higher-level cloud managers based on OpenStack technology. PowerVC helps PeopleSoft customers using Power Systems servers to lower their total cost of ownership with a simplified user experience that allows simple deployment and movement of workloads and policies to maximize resource utilization.

### **IBM System Storage**

Disk and tape storage are critical elements of PeopleSoft environments. Designed with performance, growth, reliability, and availability in mind, IBM System Storage® products, such as the IBM DS8000®, IBM XIV® Storage System, and IBM Storwize® V7000 provide a continuum of storage solutions. IBM FlashSystem™ flash storage that can deliver significant performance improvements and the IBM SAN Volume Controller to enhance your storage infrastructure flexibility round out IBM's comprehensive storage product portfolio.

IBM also offers a compelling market-leading array of tape storage products to help protect PeopleSoft data including deduplication virtual tape appliances, enterprise tape libraries, and tape drives. With IBM Tivoli® Storage Manager for Databases, these tape products are designed to provide low-cost, superior performance, high capacity and unattended backup from entry-level to enterprise server environments.

### **Sizing and capacity planning for PeopleSoft on a Power System server**

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

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

### **For more information**

To explore other Power Systems and Oracle solutions or to find out more about other 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)

[ibmandoracle.com](http://ibmandoracle.com)

For more information about IBM Power Systems and Oracle software product support, visit:

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

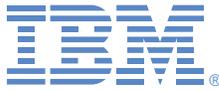
[ibm.com/powersystems](http://ibm.com/powersystems)

For more information about PeopleSoft applications, visit:

[oracle.com/us/products/applications/peoplesoft-enterprise/overview/index.html](http://oracle.com/us/products/applications/peoplesoft-enterprise/overview/index.html)

To see a demonstration of the PeopleSoft Fluid UI, visit:

[youtu.be/o5-wQ2dHKsw](https://youtu.be/o5-wQ2dHKsw)



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<sup>1</sup> IDC Quarterly Server Tracker Q214 release, August 2014

<sup>2</sup> IBM's Power Systems recorded approximately 13 minutes per server/ per year of unplanned downtime (99.997 percent uptime) according to the ITIC 2013 Global Server Hardware and Server OS Reliability Survey ([itic-corp.com](http://itic-corp.com)) with Oracle x86 servers recording the highest percentage of server outages among the 14 platforms surveyed

<sup>3</sup> More information on the binary compatibility of AIX can be found at: [ibm.com/systems/power/software/aix/compatibility/guarantee/index.html](http://ibm.com/systems/power/software/aix/compatibility/guarantee/index.html)