



IBM z Systems running Oracle Database on Linux with Oracle E-Business Suite

Put z Systems to work for you

Scale and grow Oracle E-Business Suite applications and data with confidence

Benefit from mission-critical reliability for Oracle E-Business Suite

Simplify IT operations with advanced virtualization, multi-architecture workload support and operations management capabilities

Minimize network security vulnerabilities, and reduce latency

Today, enterprises require a trusted IT infrastructure that is dynamic, scalable and flexible enough to support both mission-critical work and the development and deployment of new workloads. This infrastructure must help decision makers to use data, a company's most valuable asset, with insight rather than hindsight, and assist in using IT to gain a competitive edge.

The IBM® z13™ is the first of a new generation of z Systems™, designed for digital business and the mobile economy. z13 can help deliver advanced performance, security, resiliency, availability and virtualization for a high quality of service. Designed for larger enterprises, the z13 offers massive scalability for secure data serving, high-volume transaction processing and large-scale consolidation.



The z13 features 22 nm processor technology and supports simultaneous multi-threading for Linux® and Java™ workloads. It helps deliver outstanding transaction processing and data serving performance. The z13 offers excellent economies of scale, supporting up to 141 configurable cores and more efficient use of critical data. Coupled with up to 10 TB of memory, the z13 is ideally suited for consolidating large-scale distributed environments and the introduction of new in-memory workloads.

The IBM z13s™, the newest member of the IBM z Systems family, is designed as an entry-level enterprise server for any growing business that is looking to use z Systems technologies' qualities of service, flexibility and performance.

As environmental concerns raise the focus on energy consumption, the z13 and z13s can promote energy efficiency. Their design helps to dramatically reduce energy consumption and save floor space by consolidating workloads into a simpler, more manageable and efficient IT infrastructure.

Linux and IBM z Systems

A Linux infrastructure on z Systems provides an enterprise-grade Linux environment. It combines the advantages of the z Systems platform and leading IBM z/VM® virtualization with the flexibility and open standards of the Linux operating system.

IBM z13 virtualization technology

During spikes in demand, the z13 platform can quickly redistribute system resources and scale up, scale out, or both in a way that can make the difference between flawless execution or costly, slow response times and system crashes.

You can further improve the virtualization management capabilities of Linux and z/VM by using the intelligent visualization, simplified monitoring, and unified management features of IBM Wave for z/VM. This product is designed to help simplify everyday administrative and configuration tasks and to help you transform your Linux environment to a virtualized private cloud.

An enterprise-grade Linux infrastructure on z13 and z13s is designed to bring unique business value in the areas of operational efficiency, scalability, autonomic workload management, reliability, business continuance and security. Linux on z Systems solutions can further benefit from the following IBM technologies to enhance this infrastructure:

- IBM z Advanced Workload Analysis Reporter (IBM zAware) for Linux on z Systems delivers a creative availability solution to help maximize service levels. This solution provides faster insight into the health of your Linux system with IBM zAware pattern recognition analytics.
- High availability capabilities are provided by the IBM Spectrum Scale™ high-performance data and file management solution (based on the IBM General Parallel File System™ (IBM GPFS™). The Spectrum Scale solution provides access to storage that can deliver greater speed, flexibility, cost efficiency and security that are achievable by using built-in encryption and data protection.
- IBM Geographically Dispersed Parallel Sysplex™ (IBM GDPS®) Virtual Appliance provides near-continuous availability and disaster recovery by extending GDPS capabilities for Linux on z Systems and z/VM environments. It can help substantially reduce recovery time, recovery point objectives and the complexity that is associated with manual disaster recovery.

Oracle E-Business Suite fully supports a mixed platform architecture with the database-tier only configuration on z Systems with distributed UNIX® and Linux certified application tier servers, as shown in Figure 1.

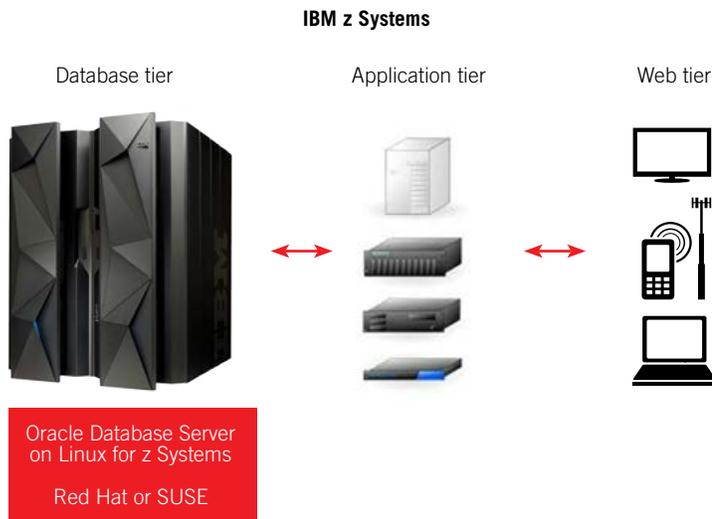


Figure 1: Oracle E-Business Suite deployed on z Systems

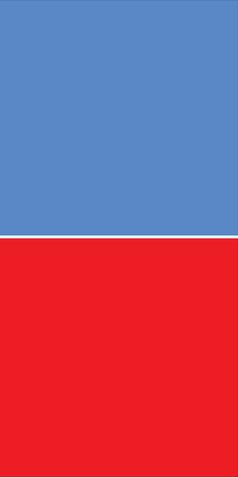
Source: IBM Institute for Business Value

Oracle E-Business Suite and IBM z Systems

Oracle E-Business Suite is a comprehensive suite of integrated, global business applications that enable organizations to make better decisions, reduce costs and increase performance. With an enhanced user experience and hundreds of cross-industry capabilities, Oracle E-Business Suite applications help you manage the complexities of global business environments regardless of whether your organization is small, medium or large.

Oracle E-Business Suite includes the following modules:

- *Customer Relationship Management.* Provides a single, global basis of information that ensures all selling channels are aligned with corporate objectives.
- *Service Management.* Provides true information-driven customer service that enables your agents and technicians to meet and exceed customer expectations by empowering them with information that is consistent, accurate and actionable.
- *Financial Management.* Allows you to work smarter, increase efficiency and reduce back-office costs with standardized processes for shared services, productivity tools, and integrated performance management.
- *Human Capital Management.* Delivers a robust set of leading human resources functionality that enables you to increase productivity, accelerate business performance and lower your cost of ownership.
- *Project Portfolio Management.* Supports the full lifecycle of project and portfolio management with a single, accurate view of all project-related activities, and supports industry-leading functionality that allows you to select the best portfolio of initiatives.
- *Advanced Procurement.* Includes an integrated suite of applications that can dramatically cut all supply management costs by reducing spending on goods and services, streamlining procure-to-pay processes and driving policy compliance.
- *Supply Chain Management.* Integrates and automates all key supply chain processes, from design, planning and procurement to manufacturing and fulfillment, providing a complete solution set to enable companies to power information-driven value chains.
- *Value Chain Planning.* Provides a complete planning solution that is built on a common foundation that uses pre-built integration with Oracle E-Business Suite and JD Edwards EnterpriseOne.
- *Value Chain Execution.* Includes a comprehensive set of supply chain execution applications that work together to provide a broad array of logistics capabilities.



As part of the Oracle Applications Unlimited program, Oracle E-Business Suite applications will continue to be enhanced, protecting and extending the value of your software investment.

This enterprise-grade Linux on z Systems solution is designed to add value to Oracle E-Business Suite solutions, including the capabilities that were introduced in Oracle E-Business Suite 12.2. Oracle E-Business Suite on z Systems includes the following benefits:

- Optimizes performance by deploying powerful database hardware engines that are available on z13 and z13s systems
- Achieves greater flexibility through the z Systems workload management capability by allowing the Oracle E-Business Suite environment to dynamically adjust to user demand
- Reduces total cost of ownership (TCO) by using the specialized Integrated Facility for Linux (IFL) cores that run the Oracle Database used by Oracle E-Business Suite and management of the environment
- Provides high levels of security and quality of service

Sizing and capacity planning for Oracle E-Business Suite on IBM z Systems

By working together, IBM and Oracle have developed a capacity-estimation capability to aid in designing an optimal configuration for each specific Oracle E-Business Suite client environment. You can obtain a detailed sizing estimate that is customized for your environment from the IBM Techline ISV Solutions Sizing Team, which is accessible through your IBM or IBM Business Partner representative. You can download a questionnaire to start the sizing process at ibm.com/partnerworld/wps/servlet/ContentHandler/techline/FAQ00000750.

The IBM and Oracle alliance

Since 1986, Oracle and IBM have been providing clients 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. Through this partnership, Oracle and IBM offer technology, applications, services and hardware solutions that are designed to mitigate risk, boost efficiency and lower total cost of ownership.

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

For more information

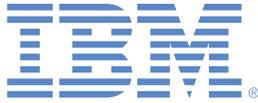
For more information about joint solutions from IBM and Oracle, please contact an IBM sales representative at 1-866-426-9989, or visit:

- IBM and Oracle alliance overview: ibm.com/solutions/oracle
- IBM technology hub for Oracle Solutions: ibmandoracle.com

For more information about IBM z Systems, see ibm.com/systems/z.

For more information about Oracle E-Business Suite, see oracle.com/us/products/applications/ebusiness/resources/index.html.

For more information about the Oracle Applications Unlimited program, visit: oracle.com/us/products/applications/applications-unlimited/overview/index.html.



© Copyright IBM Corporation 2016

IBM Corporation
New Orchard Road
Armonk, New York 10504

Produced in the United States of America
March 2016

IBM, the IBM logo, ibm.com, Geographically Dispersed Parallel Sysplex, GDPS, General Parallel File System, GPFS, Spectrum Scale, z13, z13s, z/VM and z Systems are trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on the Web at "Copyright and trademark information" at ibm.com/legal/copytrade.shtml.

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

UNIX is a registered trademark of The Open Group in the United States and other countries.

This document is current as of the initial date of publication and may be changed by IBM at any time. Not all offerings are available in every country in which IBM operates.

The performance data discussed herein is presented as derived under specific operating conditions. Actual results may vary.

It is the user's responsibility to evaluate and verify the operation of any other products or programs with IBM products and programs.

THE INFORMATION IN THIS DOCUMENT IS PROVIDED "AS IS" WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND ANY WARRANTY OR CONDITION OF NON-INFRINGEMENT. IBM products are warranted according to the terms and conditions of the agreements under which they are provided.

Oracle Database and Oracle E-Business Suite are not IBM products or offerings. Oracle Database and Oracle E-Business Suite are sold or licensed, as the case may be, to users under Oracle Corporation's terms and conditions, which are provided with the product or offering. Availability, and any and all warranties, services and support for Oracle Database and Oracle E-Business Suite is the direct responsibility of, and is provided directly to users by, Oracle Corporation.

The client is responsible for ensuring compliance with laws and regulations applicable to it. IBM does not provide legal advice or represent or warrant that its services or products will ensure that the client is in compliance with any law or regulation. Actual available storage capacity may be reported for both uncompressed and compressed data and will vary and may be less than stated.

Copyright © 2016 Oracle Corporation

Oracle Corporation
500 Oracle Parkway
Redwood Shores, CA 94065

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.