

## Oracle software

Oracle software is a powerful candidate to look at hosting on Linux® on IBM Z®.

Why? The deployment of Oracle software, especially the Oracle database, often results in a level of complexity that is hard to manage and increasingly expensive on x86 servers.

Together, IBM and Oracle can provide an integrated and virtualized environment designed to optimize business agility and efficiency.

Learn how a client has put Oracle to work to lower cost and become more efficient:

- [Sparda-Datenverarbeitung eG](#)

*“Our clients cannot afford downtime. Their customers want to use cash machines and online banking at any time of the day. It is essential to provide fast, uninterrupted services.”* –Bernd Bohne, Department Head, Central Systems Technology

*“In the past, administrators often had to deal with all kinds of system tasks. With our decision to use Linux on Z as the deployment platform for Oracle Databases, administrators can focus on their core competency and be more productive.”* – Oliver Röthinger, System Programmer and Administrator z/VM and Linux on Z

Deploying Oracle databases onto IBM Z with Linux can reduce system management and maintenance requirements. Especially with the new IBM z14™ (z14), enabling improved protection for data and simplifying compliance to regulations.

IBM z/VM®’s outstanding virtualization<sup>1</sup> combined with the unique ability to support diverse workloads concurrently, high levels of security and intelligent recovery capabilities make the IBM Z environment the ideal choice to host Oracle solutions in the enterprise.

In addition, the co-location of data and applications on IBM Z, using Linux and z/OS®, allows for efficient data serving with minimal latency and operational efficiency.

Solution teams of Oracle and IBM experts work together to provide design, development, testing, technical support and education to support your Oracle solutions running on IBM Z.



## Oracle Database 12c and Oracle Real Application Clusters on Linux for IBM Z

Oracle Database 12c is ideal for Oracle deployments that need to support high volume online transaction processing and query intensive data warehousing applications. It introduces a new multi-tenant architecture that makes it easy to deploy and manage database clouds. Innovations such as Oracle Multitenant, for consolidating multiple databases quickly, and Automatic Data Optimization with Heat Map, for compressing and tiering data at a higher density, maximize resource efficiency and flexibility.

Oracle Real Application Clusters (RAC) helps you run packaged or custom applications in a parallel database environment that takes advantage of the processing power of multiple interconnected computers, operating as a cluster. In an Oracle RAC environment, all nodes run concurrent Oracle Database instances and execute transactions against the same database. If a clustered server fails, the Oracle Database continues running on the remaining servers.



- [Learn more about Oracle RAC on Linux on Z](#)

## Get Started

### Solution briefs & White papers

- [IBM Z running Oracle Database 12c on Linux \(188KB\)](#)
- [IBM Z running Oracle Database on Linux with Oracle PeopleSoft applications \(185KB\)](#)
- [IBM Z running Oracle Database on Linux with Siebel Customer Relationship Management \(197KB\)](#)
- [IBM Z running Oracle Database on Linux with Oracle E-Business Suite \(194KB\)](#)

### Redbooks/Redpapers

- [Oracle on IBM Z](#)
- [Experiences with Oracle Database 12c Release 1 on Linux on IBM Z](#)
- [Installation Experiences with Oracle Database 11gR2 Real Application Clusters on Linux on IBM Z](#)

### IBM Techdocs Library

- [Search results for Oracle AND IBM Z AND Linux](#)

### Special Interest Group (SIG) for Oracle users on IBM Z

The international SIG is a loosely organized group of companies that have a license for Oracle on Linux or z/OS on IBM Z.

- [SIG for Oracle](#)

### Downloads for Linux on IBM Z

Several options are available, look here for

- [Oracle Database 12c Release 2](#)
- [Oracle Database 12c Release 1](#)
- [Oracle Database 11g Release 2](#)



© Copyright IBM Corporation 2018

IBM Corporation  
New Orchard Road  
Armonk, NY 10504  
U.S.A.

04/18

IBM, IBM logo, IBM Z, z14, z/OS and z/VM are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both.

OpenStack is a trademark of OpenStack LLC.

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.

Java and all Java-based trademarks and logos are trademarks or registered trademarks of Oracle and/or its affiliates.

Other company, product and service names may be trademarks or service marks of others.

Information concerning non-IBM products was obtained from the suppliers of their products or their published announcements. Questions on the capabilities of the non-IBM products should be addressed with the suppliers.

IBM hardware products are manufactured from new parts, or new and serviceable used parts. Regardless, our warranty terms apply.

IBM may not offer the products, services or features discussed in this document in other countries, and the information may be subject to change without notice. Consult your local IBM business contact for information on the product or services available in your area. All statements regarding IBM's future direction and intent are subject to change or withdrawal without notice and represent goals and objectives only.

ZSL03422-USEN-04

<sup>1</sup> z/VM is also a supported environment for IBM Dynamic Partition Manager on IBM Z based Linux-only environments.

