EMC APPLICATION VIRTUALIZATION
READINESS ASSESSMENT FOR ORACLE

Create the optimal virtualization approach for your Oracle applications

ESSENTIALS

- 82 percent savings in hardware
- 30 percent savings in full-time employee (FTE) management time
- 5:1 reduction in data warehouses and consolidated multiple Oracle versions
- Increased performance of the Oracle environments by 10x

BUSINESS CHALLENGE

As companies embark on a journey to increase the agility, control, security, and efficiency of their IT infrastructures, many are considering application virtualization as one of the steps in this journey. As a key component of many organizations’ infrastructures, Oracle applications offer the opportunity for significant benefits in a virtualized environment—lower total cost of ownership (TCO), reduced CPU licensing, server consolidation, high availability, and rapid provisioning.

Oracle systems often have numerous and complex dependencies among applications, the infrastructure on which they run, the administration staff, and the governance processes. A holistic view and understanding of these dependencies is essential in order to successfully virtualize Oracle applications. Organizations want to accelerate virtualization—but not at the expense of service-level agreements (SLAs). Technical, operational, security, and compliance challenges differ across companies, and implementation approaches must be tailored to meet an individual company’s requirements. The optimal methodology will differ according to the platforms on which the data, operating system, and application resides and must efficiently addresses database reliability and availability issues.

SERVICES DESCRIPTION

The EMC® Application Virtualization Readiness Assessment for Oracle will help your organization develop a virtualization strategy. It will also provide a design and implementation plan for a state-of-the-art solution that will yield the agility, control, security, and efficiency you expect. This onsite assessment will evaluate constraints and dependencies within and across your Oracle applications and infrastructure providing the information necessary to scope and plan your virtual Oracle environment. We work directly with your IT and business teams and employ a combination of automated tools, best practices, and subject matter experts to:

- Assess the business requirements and service-level requirements of the Oracle environments
- Identify Oracle application, server, and database dependencies
- Capture and review CPU utilization, memory utilization, disk IOPS, network I/O, network bandwidth utilization and throughput in business transactions per minute during peak and non-peak loads
- Review current Oracle disk group layout and recommended appropriate layout for a virtual environment
- Review high-availability business requirements and technologies currently in use and recommend solutions for the next generation Oracle environment
- Analyze physical performance characteristics and estimate resources required for the virtualized environment

SERVICE OVERVIEW

Virtualize Oracle to:

- Consolidate physical databases
- Eliminate third-party clustering and replication solutions
- Perform live migrations
- Provision databases faster
- Improve high availability
- Perform patches without downtime
The result is an executive-level presentation that contains a detailed assessment of your Oracle environment and its ability to meet readiness criteria with high-level recommendations for addressing the assessment findings.

**SUMMARY OF BENEFITS**

Achieving an enterprise-class virtual infrastructure requires a formal strategy and a clear understanding of the impact on both IT and the business. With over 100 different Oracle application modules and over 500 database environments, EMC maintains one of the largest Oracle implementations in the world. We have virtualized over 90 percent of our Oracle applications and web servers and have realized:

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Let us show you how to realize benefits similar to what we have experienced. EMC Consulting’s holistic approach to assessing your Oracle environment can help you minimize risk and business disruption as you build out your virtual infrastructure. We leverage our deep domain expertise in applications, virtualization, and infrastructure to deliver an objective analysis of the readiness of your current Oracle environment. As you move from the planning stages to implementation, EMC provides the strategic and tactical services, proven reference architectures, and expertise to help you deploy, manage, and scale your virtualized infrastructure.

**EMC CONSULTING**

As part of EMC Corporation, the world’s leading developer and provider of information infrastructure technology and solutions, EMC Consulting provides strategic guidance and technology expertise to help organizations exploit information to its maximum potential. With worldwide expertise across organizations’ businesses, applications, and infrastructures—as well as deep industry understanding—EMC Consulting guides and delivers revolutionary thinking to help clients realize their ambitions in an information economy. EMC Consulting drives execution for its clients, including more than half of the Global Fortune 500 companies, to transform information into actionable strategies and tangible business results.