ORACLE CONSULTING VIRTUALIZATION SERVICES

Many organizations are looking at how their business can realize the benefits of virtualization or have already started down the path of leveraging virtualization technologies. No matter where you are with developing and deploying a virtualization strategy, Oracle Consulting can help you put the virtualization of your hardware environment into perspective and provide clarity on how to make it work for you.

Oracle Consulting takes a lifecycle approach to our Virtualization Services portfolio, providing guidance and expertise through each phase of your transition to a virtualized environment. Whether your organization is just beginning to consider its options for virtualization or you are already operating in a virtualized environment and want to continue to expand its value, Oracle experts can provide an integrated solution designed to accelerate your new technology adoption, reduce migration deployment risk, and ensure optimized system performance.

Benefit from Oracle Consulting Virtualization Services

All organizations that utilize IT depend on it to provide value through successful architecture, implementation, and management of key services that support critical business strategies and objectives. Oracle Consulting Virtualization Services can help you architect the right virtualization solution and safely transform your existing environment, while staying focused on your critical business needs. Oracle experts take a comprehensive view of your IT and business requirements, providing the skills and knowledge to plan, architect, implement, and project manage a solution based on your unique environment. The goal is to help you achieve a successful, long-term virtualization and deployment strategy that protects your legacy application investments, improves IT agility, efficiency, and service delivery, and allows you to adapt to evolving corporate standards, strategies, and regulations.

Oracle Virtualization

Oracle offers the most complete, open, and integrated business software and hardware systems – engineered and tuned to work together at every level of the technology stack. Software is optimized to take advantage of hardware features, and hardware is engineered to take advantage of software, so that optimizations can be applied to the complete system for better performance, availability, security, and manageability. Regardless of whether your virtualization strategy is focused on straightforward asset consolidation/optimization or on more complex initiatives, such as Infrastructure as a Service (IaaS), Platform as a Service (PaaS), Quality of Service (QoS) Management, or a blend of them all, the Oracle Consulting Virtualization Services portfolio helps ensure a low-risk, high value implementation.
Support for the Infrastructure as a Service (IaaS) Model

Infrastructure as a Service (IaaS) provides end users access to compute servers, storage, networking hardware, and associated software, on a service basis, rather than through traditional capital expense or financed procurement models. Complementing this IaaS model is Oracle’s VM portfolio of products:

- Oracle SPARC SuperCluster Virtualization
- Oracle VM for SPARC Virtualization
- Oracle VM for x86 Virtualization
- Oracle Storage Virtualization

Deploying the best reference architecture for Oracle’s VM portfolio is critical to a successful IaaS implementation. Oracle Consulting can provide the services to architect, integrate, and deploy Oracle’s latest VM portfolio of products.

Services for the Platform as a Service (PaaS) Model

Platform as a service (PaaS) provides an application development and deployment platform delivered as a service. Oracle has extended this model with its latest Database virtualization portfolio. Oracle Consulting can now provide virtualization services for Platform and Database Consolidation, Application Continuity, Database Virtualization, and Real Application Clusters Server Pools as well as Oracle Automated Storage Management on multiple platforms and seamlessly integrate into a PaaS Cloud environment.

Quality of Service (QoS) Management

Oracle offers the most complete, open, and integrated quality of service (QoS) management model engineered and tuned to work together at every level of the technology stack. In real-time, customers need to be confident that they have sufficient resources across the datacenter and are continuously deployed to ensure performance and availability objectives are met. When resources are insufficient to meet demand, more business critical objectives must be met at the expense of less critical ones. When load conditions severely exceed capacity, some resources remain available.

Oracle's approach to QoS allows the ability to Instrument the entire Oracle stack, support end-to-end work classification. Generate real-time correlated performance and resource wait data, accurately identify bottlenecks and their causes, produce sensible and incremental recommendations and respective impact projections, respond with Just-in-Time resource allocation, protect existing workloads from memory starvation and provides full support for Multi-database consolidation and complete Integration into Oracle Enterprise Manager 12c Cloud Control.

### Oracle Consulting Virtualization Services

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Oracle Consulting Virtualization Architecture Service

The Virtualization Architecture Service provides architecture, planning, and guidance for implementing a virtualized computing environment into your IT infrastructure. The result is a reduction in your overhead and cycles for the Virtualization deployment and a best-fit technology strategy that meets both business and technical requirements.

Key Activities:
• In-depth asset inventory and application profiling
• Detailed virtual target mapping & resource management planning
• Technology selection for the best-fit virtual environment
• Virtualization architecture and roadmap
• Implementation and migration planning
• Virtualization benefits and impact on current operations and system utilization
• Operational sustainment process and technologies and Quality of Service planning

Oracle Consulting Virtualization Implementation Service

During the implementation phase, Oracle performs the IT transformation tasks as defined by the architecture phase. In addition, Oracle experts will provide best practices for governance, process changes for implementing a shared services model, and best recommendations for charge back models, elastic computing, and leveraging public Virtualization resources.

Key Activities:
• Proof of concept validation and pilot
• Implementation, optimization, and testing of virtual environment including servers, network, storage, and high-availability components
• Testing of the pre-production environment

Oracle Consulting Virtualization Migration Service: The Oracle Migration Factory

The Virtualization Migration Service reduces risk and complexity of migrating to the Virtualization using the Oracle Migration Factory. Using automation together with proven processes, Oracle migration experts safely perform the migration to your new Oracle Virtualization solution. This approach sends your migrated components through a factory, built on top of Oracle’s best-practice methodology. Oracle engineers can perform migrations to a variety of systems including Oracle Solaris on SPARC systems, Oracle Linux on x86 systems, or any variation as defined by your Virtualization architecture requirements.

Key Activities:
• Comprehensive analysis of all migration components
• Use of efficient tools and an end-to-end factory approach to accelerate time-to-benefit and reduce risk
• Complete cutover strategy for a smooth transition

How We Are Different
The Oracle Consulting team is focused exclusively on Oracle Technologies, and we have the experts that others turn to for leading practices in Oracle hardware and software implementations. We know how to best optimize your investment in Oracle products and can provide your business with tightly integrated, comprehensive, superior services throughout your ownership experience.

Getting Started

Leverage Oracle’s methods, tools, and extensive experience with customer implementations across diverse industries and geographies. Tight integration across Consulting, Development, Support, Education, and Global Delivery puts the entire Oracle team behind your success. To learn more, contact your local Oracle Consulting representative, or visit www.oracle.com/consulting.