BUSINESS CHALLENGE

In a highly competitive business environment, companies rely on their enterprise resource planning (ERP) systems to differentiate themselves by improving efficiency and business operations. SAP is the foundation of many companies’ ERP systems and as a result, its reliability and availability are vital to the smooth operation of the business.

As the SAP systems and data have grown, organizations have been faced with rising costs from test systems, storage, and power consumption. Organizations have also created multiple copies of their SAP systems for backup and testing purposes and they have seen system performance deteriorate while downtime and operational recovery times increase.

SERVICE DESCRIPTION

Enhancing productivity with a more efficient, reliable SAP infrastructure will drive improved profitability. EMC® Consulting can assist you with all aspects of SAP deployment and management and help you ensure business continuity, data security, and greater efficiency by virtualizing your SAP landscape. Consulting services include the following.

SAP VIRTUALIZATION

As SAP has expanded across organizations, servers and storage have proliferated. Now there is an opportunity to reduce costs by consolidating hardware or by virtualizing your infrastructure. EMC Consulting’s service for virtualizing SAP starts with an assessment of your current SAP landscape and its performance. Next we develop a virtualization strategy and a new landscape design, and finally, we implement a solution that consolidates your servers and storage and re-platforms your database.

By virtualizing your SAP infrastructure, you can reduce hardware in the data center, which leads to reductions in real estate, power, and cooling requirements and results in significantly lower IT costs.

BUSINESS CONTINUITY AND DISASTER RECOVERY FOR SAP

The ability to conduct business is heavily dependent on IT resource availability, particularly when SAP is involved, so ensuring continuous availability is vital.

Our approach is to assess your SAP environment and create an inventory of all SAP components within your landscape. Then we will develop a recovery plan and design the systems needed to ensure a seamless recovery from a system failure. Finally we will implement a fully tested recovery environment for your data, infrastructure, and applications. EMC consultants implement automated backup tools that ensure business resilience and establish robust disaster recovery for your SAP landscape.
If you have a virtualized environment, it is now possible to securely back up and migrate entire virtual environments with no interruption to service, which eliminates planned downtime and enables quick recovery from unplanned outages.

**SAP RESOURCE MANAGEMENT**

As the use of SAP grows across your organization, it becomes harder to keep track of all the servers and storage that are being used to support SAP. Also as the number of concurrent users grows, system performance will degrade. EMC consultants will carry out an SAP and infrastructure discovery process that maps out all the resources in use by your SAP landscape. We will evaluate all the critical components of your SAP infrastructure so that bottlenecks can be identified and remediated. Specifically we analyze the data layout, SQL tuning, and everything in between. Our consultants will then work closely with you to analyze the performance of your system and make recommendations to improve it while optimizing the use and capacity of existing hardware.

**AUTOMATED SYSTEM COPY**

The databases underlying SAP can be very large, and performing system backups to create test and QA environments can be almost impossible. EMC consultants can help you create these test systems automatically using proprietary tools. We create job streams that automate the copy of infrastructure components as well as the essential pre-and post-processing steps. This can save you weeks of manual effort. This automated process eliminates the risk of human error, and it enables your IT staff to work on other projects. This enhances your ability to develop, test, and implement improvements to your SAP system.

**DATA LAYOUT AND RIGHT TIERING**

Over time, the data used by your SAP system will have spread across your infrastructure, and it is highly unlikely that it is on the most cost-effective storage device or in the right place to provide efficient access to that data. Right Tiering is a service provided by EMC consultants where we reposition data on the most cost-effective type of storage. For example, some of the data in your SAP system may be five years old and may be accessed infrequently. This data should not be stored on Tier 1 storage but on less expensive Tier 4 storage. To increase efficiency and system performance, data that is accessed simultaneously should be colocated, and EMC consultants are experts at ensuring your data layout optimizes your system performance.

**SIZING, LANDSCAPE DESIGN, AND IMPLEMENTATION**

If you are planning to implement SAP, EMC Consulting can help you develop the landscape you need, and we will ensure that the system is sized correctly now and into the future. We plan all layers of infrastructure, the database, the central instance, and the application servers. As we create the design, we consider sustainable performance, ease of management, growth, and recoverability. As a result of this careful planning and design, we will implement an SAP landscape that will meet your business needs and grow with you.
SUMMARY OF BENEFITS

EMC Services for SAP help you reduce costs, gain more value from your existing infrastructure, improve your SAP system performance, and minimize the risk to your SAP system and data. EMC consultants achieve these benefits by optimizing your data storage by placing infrequently accessed data on lower cost hardware, which reduces costs and improves system performance. By ensuring business continuity and disaster recovery plans are in place, your organization and SAP system will continue to operate—even if your data center has a serious problem.

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.

CONTACT US

For more information, visit www.EMC.com/consulting or contact your local EMC Consulting representative.