Efficient data center operations have become a competitive advantage and are a key success in the life sciences industry. Today’s data centers are tasked with supporting ever increasing numbers of applications while controlling costs and maintaining (or improving) service quality. With more and more information being created and stored electronically, companies are faced with expanding volumes of regulated and non-regulated data that fill storage systems and congest networks. Delaying the implementation of technology will result in increased costs, lower productivity, and reduced competitive advantage.

One way of overcoming these challenges is through the deployment of private cloud. Private cloud provides the opportunity to improve business agility, lower operational costs, and provide the business with better control over its IT environment. Despite these benefits, life sciences IT departments are hesitant to implement virtualized environments and are often required to maintain under-utilized and inefficient servers and infrastructure due to perceived regulatory risks.

The area’s data security and data integrity in a cloud can present challenges that require consideration and appropriate mitigation actions. These practices should include policies on what data can and should be moved to the “cloud,” protocols on how to control “acceptable use,” and how to ensure secure information-sharing practices and protocols are established and conform to the organization’s risk and compliance management obligations. IT needs to be able to answer the following questions. What systems are good candidates for immediate virtualization? What data can we store in the cloud? Is my infrastructure validated for use in the cloud? Are there regulatory risks that impact the data if we move it to a virtualized storage network?

Key Concerns:
• Where information resides (or has resided)
• Where data has been transmitted to, from, or through regulatory boundaries
• How data is protected (at rest or in flight)

Qualified Infrastructure
Determine which aspects of the IT Infrastructure to qualify and the required extent of that qualification

Validated Applications
Established and enforced corporate or site policies that define the overall approach to computerized system quality and compliance

Risk Management
A systematic approach for assessment, control, communication, and review of risk to patient safety, product quality, and record (data) integrity

ASSURING LIFE SCIENCES COMPLIANCE IN THE PRIVATE CLOUD

EMC Consulting enables life sciences IT to improve business agility, lower operational costs, and benefit from better control over its IT environment

EMC Consulting services overview
IMPROVE IT EFFICIENCY AND CAPACITY, DECREASE ELECTRICITY COSTS, REDUCE COOLING COSTS, AND MORE

By combining an understanding of the technology, the regulated industry, and the compliance requirements, EMC® Consulting is able to provide life sciences companies with practical solutions to enable the deployment of compliant systems in a private cloud. Leveraging the private cloud enables life sciences IT to improve IT efficiency and capacity, decrease electricity costs, and reduce cooling costs. A secure private cloud provides a balance between security requirements, operational efficiency, and data access that is unmatched in a physical environment. Running applications in the private cloud enables a company to remain compliant and improves its competitive advantage.

EMC Consulting will enable you to build a qualified infrastructure, validate your applications, and develop a risk management strategy to ensure you can use private cloud to support and enable your regulated applications. We start by determining which aspects of the IT Infrastructure to qualify and the required extent of that qualification. We then validate applications using established and enforced corporate policies to define the overall approach to computerized system quality and compliance. We develop policies on what data can and should be moved to the private cloud, protocols on how to control “acceptable use,” and how to ensure secure information-sharing practices are in place and align with applicable controls.

EMC CONSULTING OFFERS INNOVATIVE AND PRACTICAL IT SOLUTIONS

EMC Consulting has recognized expertise in integrating compliance, business processes, and technology into innovative and practical IT solutions. We combine this technical expertise with in-depth knowledge of the regulated industry to provide unmatched capabilities that quickly enable businesses to realize the benefits of the cloud. No other company has this combination of technical depth and consulting expertise. The benefits of virtualization at enterprise scale are significant as they enable the company to remain competitive while optimizing IT costs and performance.

EMC Consulting enables life sciences companies to deploy regulated applications in the private cloud through effectively evaluating and analyzing risks and developing appropriate mitigation and control practices. We leverage capabilities in business-process improvement, industry solutions engineering, and compliance and risk management to optimize business processes and the use of information technology in the enterprise while minimizing compliance risk.

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.

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