EMC CONSULTING BACKUP, RECOVERY, AND ARCHIVE STRATEGY AND ASSESSMENT SERVICE

Balance business agility with service-level requirements and technology investments

ESSENTIALS

Partner with EMC Consulting for your backup, recovery, and archive management initiatives and benefit from:

- An information-centric approach that helps you meet your backup, recovery, and archival challenges
- Deep industry understanding and consultants who average 17 years of experience
- Extensive data protection experience to help you define the right backup, recovery, and archiving strategy for your organization
- EMC's storage expertise and industry leadership to accelerate and optimize recovery strategies and risk postures

In today's 24x7 online world, nothing is more critical than ensuring continuity of an organization's business processes, technology infrastructure, and employee productivity. Business interruptions can jeopardize long-term growth and brand image—and negatively impact revenue. Weak recovery processes put employees, customers, and the business at risk.

The need for sound information protection has increased dramatically with the astronomical growth of digital information. Increasing volumes cause backups to exceed available windows and interfere with production. Scheduling and handling incremental and full backups impose an increasing workload on busy staff members, and for many organizations, have become extremely time consuming. This creates a cycle where lengthy and complicated backups lead to lengthy and risky restores—and as the gap widens, recovery times stretch and critical business processes suffer from unacceptable downtimes.

WHY YOU NEED A SOUND BACKUP, RECOVERY, AND STORAGE STRATEGY AND PROGRAM

A sound backup, recovery, and archive program delivers efficient and effective recovery and archival processes that align Key Performance Indicators (KPIs) with service-level agreements and operational policies. Datasets are classified by criticality and associated with a tier of service, facilitating quicker backups and restores. In addition, systems can be tuned to optimize performance and leverage disk-based backup—for example, disk and network-efficient deduplication can streamline backup and recovery and reduce or eliminate the use of tape.

An efficiently designed system frees up production storage with active archiving; smaller datasets translate into smaller backup windows, increased control, and more reliable recovery. This translates to lower costs, less media use, and reduced reliance on tape. By ensuring that assets are reallocated when required, backup and archive redundancy can be virtually eliminated. Furthermore, a sound program ensures that processes are continuously streamlined, which enables resources and staff to be better utilized and focused on improving operations.

Simple and efficient protection storage technology can solve one of the biggest pain points in the data center—managing explosive storage growth. With advanced technologies such as data deduplication and compression, backup and recovery is evolving toward disk- and network-based data protection. Organizations benefit with increased throughput performance, improved network bandwidth utilization, and faster time-to-disaster recovery readiness. These types of technologies become increasingly important as growth of information accelerates and as more and more organizations shift to fully virtualized platforms and cloud computing architectures.

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EMC BACKUP, RECOVERY, AND ARCHIVE STRATEGY AND ASSESSMENT SERVICE

This service reviews your organization's current backup, recovery, archival, and storage approach and related service levels; identifies gaps with requirements; and recommends a corresponding strategy and supporting business case to move your organization to a future state with known service levels and predicable costs.

Alignment Attributes Scheme	Specification	Tier 1	Tier 2	Tier 3	Tier 4	Tier 5
Full Backups	Frequency of Full Backups	Database - Nightly, Filesystem Weekly	Database Nightly, Filesystem Weekly	Database Weekly, Filesystem Weekly	Database Weekly, Filesystem Weekly	Database Weekly, Filesystem Weekly
Incremental Backups	Frequency of Incremental Backups	Filesystem Nightly	Filesystem Nightly	Database Nightly, Filesystem Nightly	N/A	N/A
Database Backups	Type of Database Backup	Cold - DR				
Database Log Files	Frequency of Log File Backup	<6 Hours				
Database Size	Size Requirements	>1024GB				
Client Types	Types of Clients	App/Database Servers				
Onsite Data Retention	Data / Tape Rotation	7 Days				
Offsite Data Retention	Data / Tape Rotation	Variable				
Offsite Location	Location of Offsite Backups	DR Site				
Data Security	Security Level of Information	All				

Alignment Attributes Scheme	Specification	Tier 1	Tier 2	Tier 3	Tier 4
Performance	Response Time (Variable Measure)	< 1 second	< 1 second	< 1 second	< 24 hours
	Throughput	Up to 300 Mbps	Up to 300 Mbps	Up to 700 Mbps	Up to 280 Mbps
Availability	Maximum Unplanned Downtime per Year	< 5.25 minutes	< 5.25 minutes	< 52.56 minutes	< 175.2 hours
Retention & Disposition	Retention Period	Up to 30 Years	Up to 30 Years	Up to 10 Years	Up to 3 Years
	Data Shredding Compliance	Yes	Yes	No	No
Accessibility	Read / Annual Access Frequency	< Hourly	< Hourly	< Hourly	Daily
Data Integrity	Guarantee of Authenticity	Yes	Yes	No	No
Offsite Requirement	Archival Recovery Point Objective	< 60 Secs	< 60 Secs	< 28 Hours	< 38 Hours
Archive Software	Archival Type	Policy	Policy	Policy/User	Policy/User
Data Types	Compliance Data	Yes	No	No	No

Backup, Recovery, and Archive Strategy and Assessment Service Project Deliverables

- Technical Capacity and Performance Analysis
- Operation al Assessment–Infrastructure
- Operational Assessment–Applications Groups
- Current State Financial Analysis
- Future State with High-level Architecture
- Service Catalogs for Backup and Archiving
- Business Case and Implementation Roadmap

The EMC® Consulting team works with you to:

- Determine the technical barriers that prevent you from meeting established service-level agreements

- Establish a strategy that sets the direction for your service-level agreements by defining the business case, reference architecture, and financial impact

- Identify your organization's current operational capabilities, processes, and skills and develop a baseline against maturity models and best practices

- Implement efficient, repeatable, and cost-effective processes for backup, recovery, and archive delivery and management

- Create an application criticality matrix (mission-critical, critical, or non-critical)

- Assess advanced storage technologies that support distributed deduplication processing centralized replication management, end-to-end data integrity, load balancing, and link failover

- Develop a backup and archive service catalog, reference architecture, and decision logic

- Develop a realistic implementation roadmap, including a high-level, next-steps plan

WHY EMC CONSULTING FOR BACKUP, RECOVERY, AND ARCHIVE?

EMC's certified business continuity and data protection professionals understand the many obstacles that organizations face in developing and maintaining a sound backup, recovery, and archive program and have the experience to help organizations determine the program that balances business agility with value-based investments in technology.

EMC Consulting focuses on end-to-end recovery from effective business resilience, risk management, and data protection, with an information-centric approach that aligns solutions with business objectives. We leverage advanced EMC technologies to plan for business resilience, enable disaster recovery, back up and recover critical information, and sustain business continuity.

EMC Consulting has a solid track record of delivering thousands of backup, recovery, and storage management projects with some of the most information-intensive organizations in the world—addressing challenges that other consulting organizations are just starting to consider.

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. More information about EMC Consulting can be found at www.EMC.com/consulting.

CONTACT US

To learn more about how EMC Consulting can help solve your business and IT challenges, contact your local representative or authorized reseller—or visit us at www.EMC.com/consulting.

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