Capgemini

Your Roadmap to Reduced Storage Costs

Storage Resource Optimization (SRO) Assessment: Contain Your Data Explosion.

It's no secret that data growth has become an enormous challenge for enterprises of all types and sizes. Mobile data traffic alone grew 59% in 2015, according to Gartner. Explosive growth in business-related unstructured data, sensor data, log files, and machine-to-machine data traffic continues; in fact the total volume of data coursing through enterprise networks is growing at more than 40% per year, according to EMC.

So, what is the secret to reining in the cost and complexity of storing all that data? It's a multi-dimensional challenge. For example:

- How can you provide capacity for future needs without underutilizing resources in the short term?

- How can you ensure that all data is stored on the most cost-efficient medium or storage tier?
- How can you eliminate the waste of storing redundant data?
- How can you capture the storage performance metrics needed to meet SLAs and implement chargeback policies?
- How can you comply with data retention and data loss prevention regulations—and still keep storage costs low?

Capgemini has a single, compelling answer to all of these questions: the Storage Resource Optimization (SRO) Assessment service.

Storage Resource Optimization (SRO) Assessment service.

The Starting Point for Your Storage Transformation

The SRO Assessment service provides end-to-end capacity, performance, and configuration monitoring of your multi-vendor storage infrastructure—including applications, hosts, SAN switches, and storage arrays.

Capgemini's experienced professionals analyze real-time storage metrics and provide detailed reporting, enabling you to visualize and understand where there are opportunities for cutting costs, improving efficiency, streamlining compliance, optimizing performance, and making more informed and proactive resource allocation decisions.

Essentially the SRO Assessment service presents you with a blueprint for your storage transformation, along with

concrete recommendations for next steps. It can serve as the starting point for regaining control of storage costs; it can also help you integrate storage into your overarching IT or business transformation strategy.

The SRO Assessment service typically lasts 6-8 weeks, and is delivered by a team of professionals with deep expertise in heterogeneous storage environments. The team includes engagement managers, storage architects, and subject matter experts with a detailed knowledge of storage best practices.

The assessment is executed in three distinct phases:

Design: Capgemini works closely with your team to explore specific business challenges your organization faces, understand which systems are important to the business for any particular focus and which improvements are highest priority from a business perspective. The outcome is a design and deployment plan, with documentation.

Discover: Capgemini deploys software and tools on your physical or virtual infrastructure, based on the agreed-to design, to discover applications, hosts, SAN switches, and storage arrays and collect real-time metrics for analysis. These tools include EMC's ViPR storage resource manager

(SRM) software, which makes it possible to visualize heterogeneous storage relationships across all makes of storage systems, analyze configurations and capacity growth.

Deliver: Capgemini analyzes all captured data and delivers detailed reports that highlight business-level insights and how improvements in the storage environment could drive positive business outcomes—along with a target operating model, specific recommendations for cost containment and ways to optimize resources to improve ROI.

Flexible Options to Meet Your Specific Requirements

Three variations of the SRO Assessment service are available to meet a broad spectrum of client goals and requirements:

SRO Essentials is typically a 6-week engagement covering a specified number of arrays, network-attached storage (NAS) devices, SAN switches, hosts, and virtual machines, with up to one million metrics measured. It is often used as a proof-of-concept (POC) to understand specific use cases and business outcome potential.

SRO Enhanced is an 8-week engagement that adds coverage of additional arrays, NAS devices, SAN switches, hosts, and virtual machines, with up to 4.5 million metrics measured. It is an excellent solution for a single-location, medium-scale deployment.

SRO Scale-Out adds coverage for even more arrays, NAS devices, SAN switches, hosts, and virtual machines, and is best used for a full-fledged deployment or scale-out of SRO with dedicated resources for customization and advanced reporting functionalities.

In addition, Capgemini stands ready to assist you with an ongoing engagement to implement and manage your optimized storage environment.

We can supply ready-to-use hardware and software resources, along with the storage expertise and best practice experience of our team of professionals, to ensure that your desired business outcomes are achieved quickly and correctly, on time and on budget, virtually anywhere in the world.

SRO Benefits—for the Business and IT

Cut storage costs
- Reduce the total cost of storage through multiple avenues, including:
  - Procurement efficiency:
    - better use of existing resources
    - redistribution of data
    - using tools more effectively to do more with what you have and avoid new purchases
  - Data-driven capacity planning for higher ROI
- Trade CapEx for OpEx while maintaining capacity for business growth

Optimize resource usage
- Get better reporting so you can see and correct performance/availability issues
- Move from reactive resource allocation to proactive planning

Raise operational efficiency
- Automate health monitoring to see and respond to problems faster
- Implement compliance and governance practices that streamline operations

Reassert IT control
- See and understand storage relationships and dependencies to make informed decisions
- Get the data and reporting you need to implement equitable chargeback
- Stop shadow IT by consistently meeting SLAs, agile response to storage requests and compliance requirements

Move ahead with transformation
- Jump-start an IT transformation initiative by tackling one of the toughest challenges first
- Accelerate the business transformation strategy by regaining control of storage costs

Setting Our Own Best Example

Capgemini knows and understands the intricacies of SRO because we have lived it ourselves. Over the past 15 months Capgemini undertook its own storage transformation, beginning with an SRO Assessment. Capgemini subsequently began migrating its storage base to EMC systems and also began utilizing the EMC ViPR SRM tool.
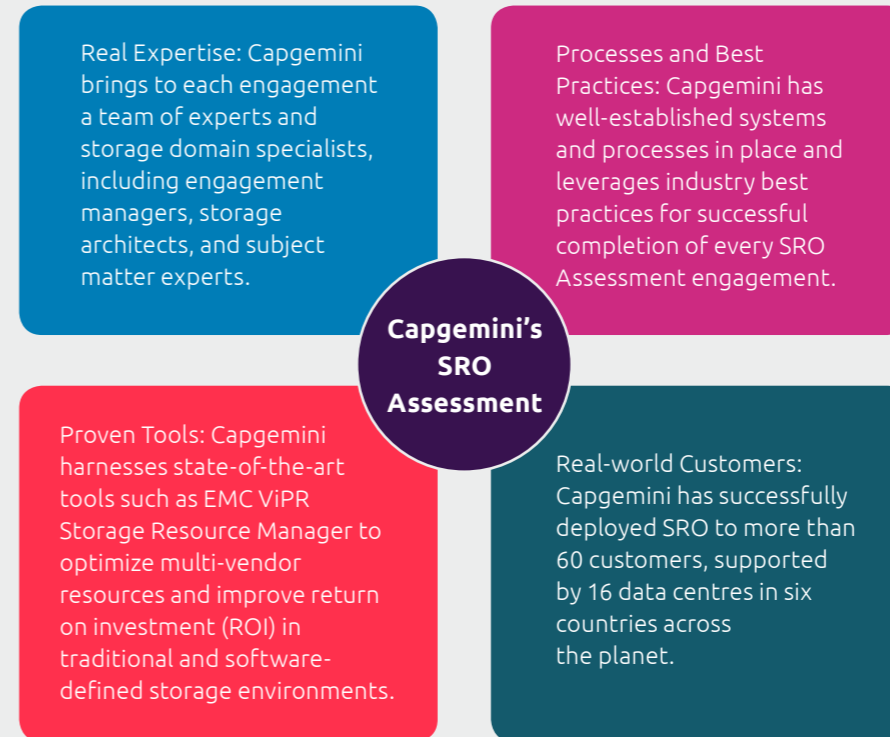
In its aggressive global transformation program, Capgemini deployed SRO to all Capgemini-owned storage— more than 30 petabytes (PB) worldwide, representing about 40% of the company overall support base.

The results so far:

- 60-70% improvement in storage TCO
- $3.7 million savings in 2015 alone
- $20 million projected savings over the next 3-4 years
- CapEx savings of 30%, or $2.1 million
- Recovery of $1.1 million of unallocated storage charges as a direct result of better usage and chargeback reporting
- The ability to match storage and networking resources to specific business and technical requirements
- Higher levels of automation and customization leading to significant improvements in productivity

Why Capgemini?

Many suppliers offer services that purport to cut storage costs. However, Capgemini's SRO Assessment is the only service that combines all of the following:

Real Expertise: Capgemini brings to each engagement a team of experts and storage domain specialists, including engagement managers, storage architects, and subject matter experts.

Processes and Best Practices: Capgemini has well-established systems and processes in place and leverages industry best practices for successful completion of every SRO Assessment engagement.

Capgemini's SRO Assessment

Proven Tools: Capgemini harnesses state-of-the-art tools such as EMC ViPR Storage Resource Manager to optimize multi-vendor resources and improve return on investment (ROI) in traditional and software-defined storage environments.

Real-world Customers: Capgemini has successfully deployed SRO to more than 60 customers, supported by 16 data centres in six countries across the planet.

Explore the Possibilities

Contact your local Capgemini representative today to learn more about the Storage Resource Optimization (SRO) Assessment service and for additional details about Capgemini's own storage transformation journey. For additional information about the full spectrum of Capgemini services, visit www.capgemini.com.

About
Capgemini

A global leader in consulting, technology services and digital transformation, Capgemini is at the forefront of innovation to address the entire breadth of clients' opportunities in the evolving world of cloud, digital and platforms. Building on its strong 50-year heritage and deep industry-specific expertise, Capgemini enables organizations to realize their business ambitions through an array of services from strategy to operations. Capgemini is driven by the conviction that the business value of technology comes from and through people. It is a multicultural company of 200,000 team members in over 40 countries. The Group reported 2016 global revenues of EUR 12.5 billion.

Visit us at

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People matter, results count.

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