

# BRAMS – Backup & Recovery Analysis & Modelling Services

## The Challenge

In the period up to 2011, IDC estimates 1,150 Billion Gigabytes of storage capacity will be shipped to businesses worldwide, helping them to cope with an incredible 10x growth in the digital universe over the same period.

As well as having to support these ever increasing data volumes, every organisation faces a growing number of Data Protection challenges including:

- Meeting increasing compliance requirements for retention and encryption
- Decreasing backup windows
- Meeting recovery time objectives
- Backup & restore reliability
- Making multiple backup copies
- Responding to individual restore requests
- Reducing operational & management costs
- Planning for capacity growth
- Providing coherent Disaster Recovery strategy

A key issue is maximising the use and efficiency of existing infrastructure, particularly in optimising the use of high-speed sequential media such as tape.

The other key factor is that there are a growing range of **Data Management Approaches and solutions** which can be exploited including:

- Backup to disk
- Data de-duplication
- Snapshot for instant backup and Restore
- Continuous Data Protection
- Virtual Tape Libraries
- MAID disk technology

In summary, the key challenge is to select and deploy the optimal mix of technologies to meet these increasingly complex business requirements.

Independent analysis of your Data protection infrastructure lays the foundation for optimising, planning and forecasting Return on investment for core ICT initiatives:

- Backup
  - Reduced cost
  - Improved speed
  - Improved reliability
- Recovery
  - Faster Recovery
  - Improved granularity
- Disaster Recovery
  - Reduced Cost
  - Testing and Compliance
- Continuous Data Protection
  - Improved Recovery Point and Time Objectives

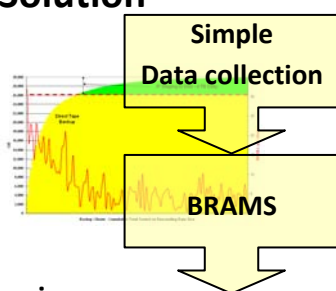
**“Few backup environments optimise the use of backup media – particularly tape”**

## BRAMS

- Non disruptive data collection
  - No Agents
  - No configuration
- Simple process
  - Collect flat files
  - Send for analysis
- We provide a detailed report
  - Strategic recommendations
  - Quick wins
  - “What-if” modelling
  - Capacity Planning

**“Our customers have achieved savings in excess of \$3M when all costs were taken into account”**

## The Solution



### Simple Data Collection

Data for the BRAMS Survey is obtained through simple Command Line Utilities.



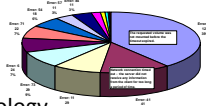
## Analysis

- Utilisation and throughput of existing infrastructure
- Profile of client workload
- Profile of the data volumes and types
- Backup success rates
- Media management and utilisations
- Media copy operations



## Modelling

- Calibrated simulation model of backup infrastructure
- Model impacts of changes to existing infrastructure
- Model “what-if” scenarios for introduction of new technology
- Model impact of workload capacity increases
- Capacity Planning



## Contact details

Email: [info@ictanalytics.com](mailto:info@ictanalytics.com)  
Web: [www.ictanalytics.com](http://www.ictanalytics.com)