



## Backup and Recovery Assessment

### **Description of Service**

Many enterprise organizations are experiencing drastic data growth rates, sometimes data growth can be in excess of 75% a year. Data growth of this magnitude puts added pressure on Information Technology Organizations to design Backup and Recovery systems that scale to meet these demands, and to conduct data backup operations against an ever shrinking data backup window. Today's backup environments are complex and are relied on to ensure that critical data is protected and can be recovered in case of an emergency. Minor changes in these systems can cause significant reliability and performance issues for the backup environment. In addition, regulatory burdens make ensuring successful backups a prime concern of every IT organization.

In the world of ever changing environments, it is critical to review and analyze the key components of your business. One of these key components is your ability to recover from a failure of any type as well as inadvertent loss of data. While every organization employs a backup and recovery strategy, most do not update this strategy as often as required. With the changes in technology and the rate in which they happen, being months behind in updating your backup solution could lead to disastrous results.

A Backup and Recovery Assessment should be more than just a report on how successful the backups are being done. Our assessment is a checkpoint on what data is being backed up and what policies/standards you are achieving. In addition, our assessment aligns the Backup strategy with the needs of the business and establishes Recovery Time Objectives (RTO) and Recovery Point Objectives (RPO). RTO/RPO identifies the application and data priorities for an organization and is used in making architectural decisions impacting Enterprise Data Backup and Recovery. As your business and mission changes, your requirements and your data sets change as well. Our Backup and Recovery Assessment evaluates your current environment and incorporates the following real world challenges facing most growing companies:

- Dynamic Business Environment with changing requirements
- Expectation of employees and customers access to data, anytime and anywhere
- Increased regulatory oversight
- Criticality of systems and reliance on data to make business decisions
- Data and Systems Growth
- Virtual Workplace means 24X7 data access, means ever shrinking backup windows

### ***Statement of Work Description***

- Analysis of the current Backup Strategy and Architecture
  - Look at the history of the backup success's
  - Assess backup trends (i.e. backups are occurring successfully but are taking longer to run, therefore encroaching on backup windows)
  - Analyze the Configuration management process of the backup strategy
  - Calculate and record time frames of backups to apply to application requirements
  - Calculate utilization of the backup medium and it's future growth capabilities
- Analysis of the Current Recovery test procedures
  - What tests are being performed and how often
  - What is the success rate



- Analysis of the current requirements and policies.
  - Why are backups being done?
    - For quick recovery
    - For Data Integrity
    - For Compliance and regulatory reasons
- Understand The future direction of the business or the mission
  - What is coming
  - When is it coming
  - What is being done to mitigate the risk

***End-user Requirements***

The most successful Assessment is conducted when your end-user is clear on the amount of time, participation and access to resources required on their part. These requirements will be detailed in the specific statements of work (SOW).

***Specific Deliverables***

The deliverable of this service will include:

- A comprehensive report on what is currently being done to meet the understood goals of the backup solution
- A report on current capabilities, and more importantly, current limitations of the existing backup and recovery architecture.
- A recommendation on what can be done in the near term to improve the current solution
- If requested a recommendation on the impact of changing to new technologies and what it would mean to the environment (i.e. introduction of Backup to disk and Data De-Duplication technologies>>better recovery capabilities, platform for cost effective replication of backup data, and cost saving by reducing the infrastructure dedicated to tape operations)

***Timeframes & Cost***

Pricing for this assessment is based on the number of sites visited and devices analyzed. Categorization of size will be derived from discussions with the customer and the Pre-Engagement Check-list. The cost of administration, tools, and project management is included in the basic assessment price. Travel expenses will be approved in advance and billed separately.

Small Business	Medium Business	Large Enterprise
1 Site, 1 Data Center	Site, including a campus environment	Multi Sites, Multi Campuses
2 weeks	4 weeks	Minimum 6 weeks

***How to Engage***

For more information on our services, please contact Dave Saunders at TVAR Solutions, 703-635-3911 or [dsaunders@tvarsolutions.com](mailto:dsaunders@tvarsolutions.com).