



ASYSSTEC
DATA MANAGEMENT SOLUTIONS

SERVICES



Data Protection Assessment

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Introduction

Asystec are offering a Data Protection Assessment service to our customers. Assessment of the current data protection practices and their overall domain within the organisation. While the size of an enterprise generally determines which practices, processes or technologies they employ for data protection. The goal is the same no matter what the size or makeup of the company. Data protection strives to minimise business losses due to the lack of verifiable data integrity and availability. The service will:

To provide an unbiased independent assessment of your current data protection solutions and needs:

- What is fit for purpose/strategically aligned?
- What is causing issues/potential point of failure/not future proofed?
- What the roadmap and path for improvement looks like, to achieve your vision?
- What should be done next based on where you are?
- What issues and constraints can be avoided?
- What are the risks involved?

Target Audience

This service will assist companies who have increasing data management demands (Data can be either physical, virtual or cloud based) and are looking to validate their current data management practices, policies or procedures. The service is also geared towards customers that wish to implement a policy driven approach and strategy to many data protection or management tasks.

Whether you're hit by a natural disaster, data breach, or ransomware attack, you need to get your data back quickly to minimise disruption to your business. Asystec can help in formulating or documenting the IT aspects of your Business Continuity Plan, provide a runbook that can be followed easily by staff, that can be updated as changes to the environment occur.

If you find your current data management solutions are either outdated, too restrictive or simply don't provide the features and support your business needs, Asystec can help to design a data management solution tailored to meet or exceed your business needs.

Data Protection solutions for backup/restore, gain recovery validation for your diverse IT environment. Making your multi-cloud strategy just an extension of your current datacentre:

- If you need to protect multiple industry File Systems, Applications, Virtualisation or Cloud platforms.
- Would like to reduce tier 1 primary storage utilisation by implementing a Data Archiving solution that supports multiple data types.
- Provide off-site replication of business-critical data to DR or Cloud repositories. Or provision, sync and validate your data in any environment for important IT needs such as disaster recovery testing, dev/test, and/or workload migration.

Questions to Consider

Not only is the speed in which data is being created increasing, business transformation and the modernisation of IT has brought about new levels of data volume and several new and unique data types. Digital business transformation and IT modernisation efforts are changing the way IT runs, how data is created, and most importantly, how that data should be used and managed.

The transformation to data driven businesses only continue to highlight how priceless data can be for achieving business goals and making smarter decisions. so too does the potential for external risks and security breaches.

- Over a third of global organisations say they have experienced email phishing attacks.
- Ransomware and malware are not new concepts – however their threats are growing stronger.
- Disaster Recovery (DR) - A disaster recovery plan (DRP) is a documented process or set of procedures to recover and protect a business IT infrastructure in the event of a disaster. Such a plan, ordinarily documented in written form, specifies procedures your organisation is to follow in the event of a disaster. If the unthinkable ever happens, recovery readiness will be paramount. How do you answer the question of how quickly you can recover when an event impacts your company?

QUESTIONS

1. Current Strategies, policies for Data Management

- Has your company nominated a Data Protection Officer (DPO)? The DPO role is an important innovation and a cornerstone of the GDPR’s accountability-based compliance framework.

	<ul style="list-style-type: none">○ What is the company's overall Disaster Recovery strategy and how does this relate to your business goals i.e. Recovery Point Objectives and Recovery Time Objectives?<ul style="list-style-type: none">▪ Is there a strategy in place to replicate business critical application data locally i.e. Snapshots or replicas for quick onsite recovery?▪ Is there a policy to replicate business critical application data offsite to a secondary DR location?▪ Is there a company strategy to offsite point-in-time backup data to a DR location? ○ Is there a Data Archiving policy in place to move stale data from primary storage and onto a lower tier or cloud storage repository for long-term retention? ○ Is data security a key concern, is your company encrypting offsite tape media? ○ Are you protecting (backing up, encrypting) data on endpoint devices such as Desktops/Laptops and Tablets?
2. Future Requirements for your Business Data	<ul style="list-style-type: none">○ Does your business need to formulate or document a Disaster Recovery Plan?<ul style="list-style-type: none">▪ Have you tested your Disaster Recovery Plan? Can you recover all critical business applications and data in line with your Recovery Time / Recovery Point Objectives? ○ Are you currently employing or considering migrating to cloud-based offerings such as Microsoft Office365, Salesforce etc?<ul style="list-style-type: none">▪ Can your current data management solution protect data such as Office365 Mailboxes, SharePoint sites, OneDrive, Dropbox, Salesforce or any cloud-based data types?

- Do you intend to implement a data Archiving or data lifecycle management strategy?
 - Lower overall data management infrastructure costs, administration overhead and reduce tier 1 primary storage utilisation.
 - Manage the demands caused by an expanding data footprint, without budget increases
 - Develop effective archive strategies for data including on premises and cloud storage
 - Improve recovery time and other SLAs around data protection.

- Do you need to either modernise, update, consolidate or improve your business data protection strategies, policies or solutions?

Asystec's Offering

Using our experience in planning and designing Data Protection solutions, Asystec will perform a discovery and analysis exercise against your existing estate. We will gather information relating to your current data protection and management practices and confirm if your business goals can be met while also getting a better understanding of your vision. This information will then be fed into our Assessment Report with our recommendations for potential improvement to help your businesses achieve its data protection goals for the future.

Define Scope

The initial engagement will examine the scope of the data protection assessment:

- Provide clarity on and refinement and objectives of the engagement
- Identify the appropriate source of information needed
- Create the detailed plan for the engagement

This is captured and agreed in a Statement of Work.

Assess

We capture and assess the relevant information

- Workshops with relevant staff and management
- Collect existing relevant operational management and governance policies
- Validate with you the relevant operational management and governance policies
- Collect information using MiTrend for each of the areas within the proposed scope
- Analyse and check for completeness and reliability. (Clarification interviews or exchanges of information may be needed)
- Evaluate against existing intellectual property material, criteria and internal knowledge base

Report and Recommend

- This step is the concluding phase and consists of the formal dissemination to the agreed stakeholders.
- Two key deliverables – the Assessment Report as well as content for the Management Summary presentation.
- Determine findings from assessment based on evaluation of information
- Produce recommendations on potential improvements
- Documented results in Audit Report deliverable
- Asystec uses its own architecture reference models, internal and industry best practice to produce its findings
- High-level summary of assessment report
- Identifies and reports key findings and recommendations

Service Deliverables

On completion of the service Asystec will provide a detailed assessment report:

This Assessment Report will contain

- Context and background, to whether existing data protection practices and policies are meeting your business needs.
- Analysis and understanding of current state
- Design recommendations for improvement
- Problem statement outlining key areas of non-compliance or risk

Duration

The effort and duration required for this service is as follows:

ACTIVITIES	
Kick-off workshop to define and document project scope	1 Day
Backup / Restore Assessment Optional *	2 Day's
Data Archive Assessment Optional *	1 Day
Disaster Recovery Assessment Optional *	2 Day's
Assessment Reports **	1 Day
Follow-up meeting and presentation	0.5 Day's
TOTAL EFFORT	3.5 to 8.5 Day's

* Depending on the size of the environment and the level of involvement required from Asystec for this activity, estimate may increase.

** Assessment Reports are dependent on the volume of data gathered, the number of areas addressed and may need to be extended to ensure that a full analysis is reported.

Asystec are an award-winning data management company who design innovative solutions for our customers to help them protect and manage their key data assets within their organisation. Asystec has gained extensive experience in both the design and delivery of diverse data protection solutions for both the public and private sectors.

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