

SARS REQUEST FOR INFORMATION

BACKUP SOLUTION

BUSINESS REQUIREMENTS SPECIFICATION

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SARS RFI 01-2023

**Business Requirements Specification
Back Up Solution**

This RFI document sets out the business requirements that SARS has for Back Up Solution, which must be considered by the Bidder in compiling a proposal.

2 USAGE OF TERMS IN THIS DOCUMENT**2.1 References to Other Documents in the RFI pack**

None.

2.2 Glossary Table

The capitalised terms in this document appearing in the glossary table below will have their corresponding meanings. The Bidder is referred to the RFI Main Document for the use and meaning of capitalised terms generally in the RFI pack.

Term	Meaning
RFI	Request for information
RTO	Recovery Time Objective
VTL	Virtual Tape Library
SAN	Storage Area Network
LAN	Local Access Network
GB / TB	Giga Bite / Tera Bite

3 BACKGROUND

As other organizations SARS backs up its data assets. In order to do this in an accurate manner, SARS must keep up with market technology trends. This RFI details the requirements for a SAN network backup storage solution.

Currently SARS uses IBM Spectrum Protect to do LANFREE SAN backup to emulated VTL system for business-critical backups, the purpose of using SAN level backups is to reduce backup window and recovery time to the bare minimum as most of these systems exceed 5TB and recovery time needs to meet SARS RTO (Recovery Time Objective).

4 REQUIREMENTS**4.1 Business Requirements**

- A LAN-Free VTL tape solution that emulates a virtual library and transfers data over SAN Fibre channel switch directly from the backup client to the VTL system.

- The solution must be completely compatible with IBM Spectrum Protect and able to integrate with the IBM Spectrum Protect and align with IBM Spectrum Protect best practice guidelines.
- The storage unit should be able to do inline deduplication and compression.
- The storage unit should be able to exceed 2PB of usable capacity after deduplication and compression and must have the capacity to transfer between 350 and 500 TB of backup data per day within the backup windows that starts @5pm and ends at 7am.
- The purpose of this storage is to have very fast recoverability and the unit should be able to match restore speed with backup speed.
- The storage unit should have at least 16GB fibre channel ports but preferable 32GB.
- The storage unit should have full Disaster Recovery capability.
- The pre-compressed data storage capability should be between 9 and 12, the storage unit should also be able to replicate on block level and only replicate deduplicated compressed data from production and DR site.
- The storage unit should be able to start in DR for testing purpose without affecting the production replication processes.
- The solution should be able to create immutable copies to enable cyber resiliency.

4.2 Integration Requirements

The solution sought should be able to integrate with following:

- IBM Spectrum Protect

4.3 Costing of the Solution

- The respondent is required to provide costing for the proposed solution.