



What is Data Migration?

AN OVERVIEW OF DATA MIGRATION ISSUES AND TECHNIQUES

The Need for Data Migration

Data Migration is the process of transferring data between storage types, formats, or computer systems. It is often required when organizations change computer systems or upgrade to new systems. This solution is usually performed programmatically to achieve an automated migration.

As a result, legacy data stored on out-of-date or obsolete formats is evaluated, indexed, de-duplicated and then migrated to newer, more cost-effective and reliable storage media.

Accessing and Managing Legacy Data

The rapidly increasing volumes of data generated by businesses can create significant data management challenges. When responding to business demands or compliance and litigation requirements, companies must be able to access and organize volumes of data stored in a variety of formats. Maintaining legacy tapes—and the equipment necessary to read them—can be costly and

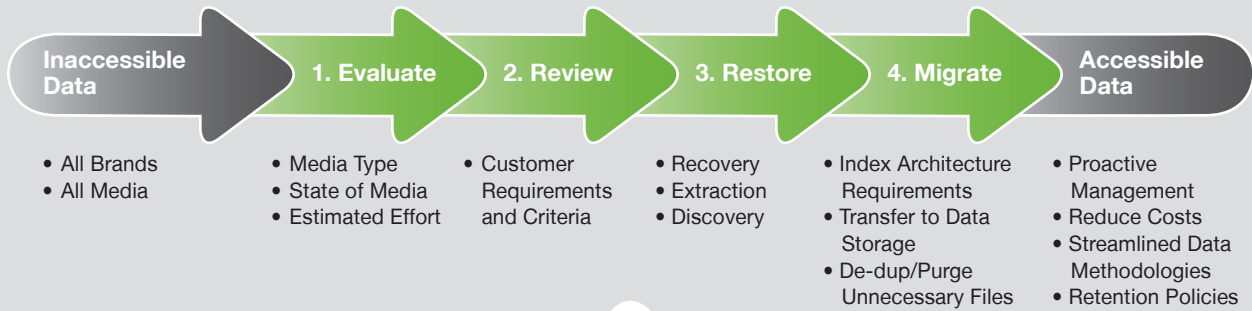
burdensome. In addition, because tape storage has a high failure rate, data recovery is often required in order to restore the data prior to migration.

Tape recovery and data migration are one of the most complex activities to manage, predict and perform. Tape media formats need to be read in their native states and imaged to a device which permits low level edits in order to gain access to the information.

Media with physical damage and misaligned write errors all have significant complexity associated with gaining access to the information. The particular agent used and the type of data stored further adds complexity to the scope of the work.

A well designed migration methodology ensures that your data is properly evaluated, reviewed and restored before it is migrated to new, more accessible and cost-effective media. And, the process makes certain that your valuable data is safeguarded from beginning to end.

The Data Migration Process



Seagate Recovery Services utilizes a four-step data migration methodology:

- Legacy media is evaluated. Any brand or type of media is a candidate for a successful data migration.
- Customer requirements are evaluated. Considerations include if the data is being prepared for business, compliance or litigation requirements. Targeted media, such as disk or other formats is determined.
- Tapes are read and, as necessary, data is recovered before the data extraction process begins and individual files are identified and restored.
- The restored data is indexed and de-duplicated. Unnecessary and redundant files are purged to reduce storage requirements. Data is migrated to a new storage media and delivered to the customer.

Tape Formats Supported

Seagate Recovery Services supports all brands and formats of tape for data recovery and migration purposes including, but not limited to, the following.

- DLT/SDLT
- LTO
- Travan/QIC
- DDS
- Exabyte/Mammoth
- AIT/SAIT
- IBM 35xx/3480
- Stortek

Know Your Data Migration Options

Seagate Recovery Services is an industry leader in data recovery, migration and restoration technologies. We leverage our heritage as a part of the Seagate Technology family of companies to apply the latest techniques and technology for successful data migrations. Our ISO 9001:2000 certified labs provide secure, trusted service.



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