Modernizing Backup Operations

Learn what role virtual tape libraries (VTLs) have to play in a modern backup infrastructure, and what it takes to build for speed, compatibility, and reliability.

Key Terms

Virtual Tape Library:

▸ A virtual tape library (VTL) is a data storage virtualization technology used typically for backup and recovery purposes. A VTL presents a storage component (usually hard disk storage) as tape libraries or tape drives for use with existing backup software.
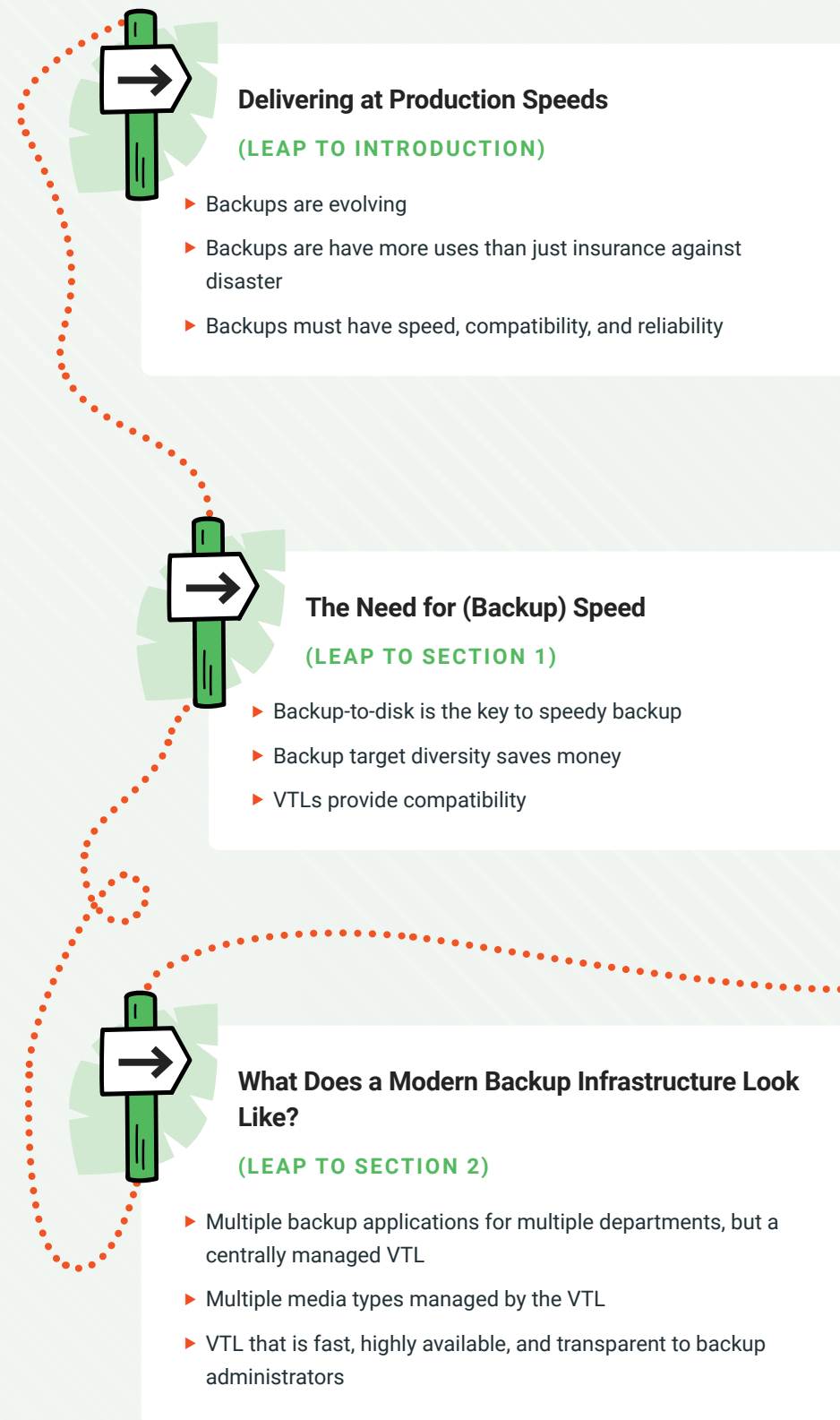
Backup To Disk:

▸ Disks—both magnetic and flash—are faster than tape for backups. Backup to Disk performs initial backups to a disk array in order to provide speeds that are otherwise unachievable.

Secure Data Container:

▸ Secure data containers include all the metadata needed for a StorSafe instance to import the data contained therein, reconstituting the original virtual tape.

Data Reduction:

▸ Technologies such as compression and deduplication can be used to reduce the amount of storage required for backups by up to 95%.

Delivering at Production Speeds

(LEAP TO INTRODUCTION)

▸ Backups are evolving

▸ Backups are have more uses than just insurance against disaster

▸ Backups must have speed, compatibility, and reliability

The Need for (Backup) Speed

(LEAP TO SECTION 1)

▸ Backup-to-disk is the key to speedy backup

▸ Backup target diversity saves money

▸ VTLs provide compatibility

What Does a Modern Backup Infrastructure Look Like?

(LEAP TO SECTION 2)

▸ Multiple backup applications for multiple departments, but a centrally managed VTL

▸ Multiple media types managed by the VTL

▸ VTL that is fast, highly available, and transparent to backup administrators

The StorsSafe Advantage

(LEAP TO SECTION 3)

▸ Falconstor is an established name in the VTL space

▸ StorSafe builds upon that experience to deliver up to 160TB/hr of backup speed

▸ Supports, block storage, object storage, public cloud storage, and physical tape

Download the Full Gorilla Guide!

The Gorilla Guide To…® Modernizing Backup Operations, Foundation Edition, explores StorSafe, the latest generation of FalconStor's industry-leading line of virtual tape libraries. Learn how to make your backups performant, resilient, and secure, regardless of what you're backing up, or which applications you use to do so.

Highlights include:

▸ The importance of utilizing different types of backup media

▸ What a modern backup infrastructure looks like

▸ The FalconStor StorSafe advantage

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