

**Tivoli**



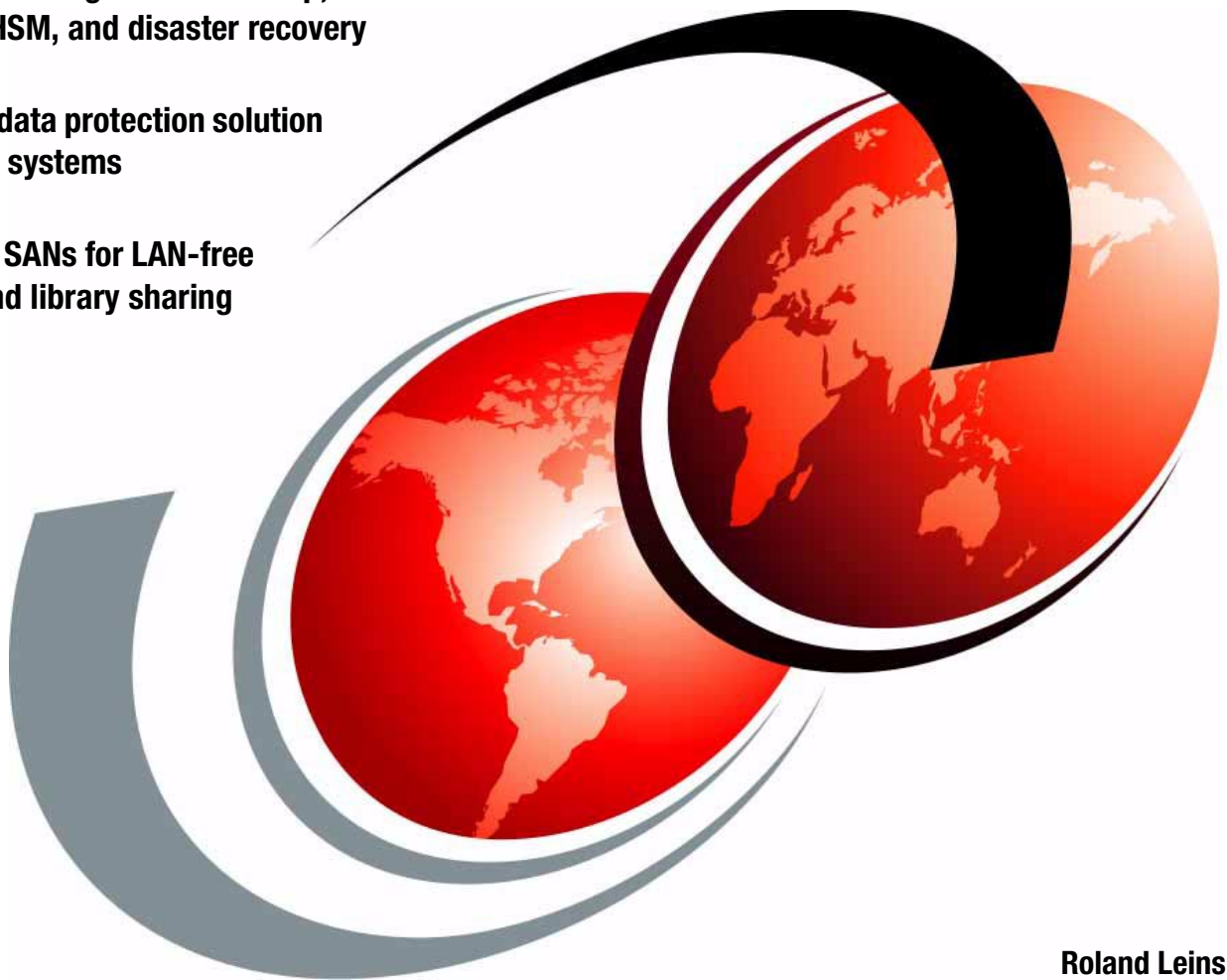
# Tivoli Storage Manager

## A Technical Introduction

Total data management - backup,  
archival, HSM, and disaster recovery

Complete data protection solution  
for mobile systems

Exploiting SANs for LAN-free  
backup and library sharing



Roland Leins

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**Take Note!**

Before using this information and the product it supports, be sure to read the general information in "Special Notices" on page 29.

**Second Edition (May 2001)**

This edition applies to Version 4, Release 1 of Tivoli Storage Manager, Program Number 5698-TSM for use with the Microsoft Windows NT and Windows 2000, IBM AIX, Sun Solaris, HP-UX, and IBM OS/390, to Version 4, Release 1 of Tivoli Disaster Recovery Manager, Program Number 5698-DRM for use with Microsoft Windows NT and Windows 2000, IBM AIX, Sun Solaris, HP-UX, and IBM OS/390, to Version 4, Release 1 of Tivoli Space Manager, Program Number 5698-SPM for use with Microsoft Windows NT and Windows 2000, IBM AIX, Sun Solaris, HP-UX, and IBM OS/390, and to Version 2, Release 1 of Tivoli Decision Support, Program Number 5698-TDS for use with Microsoft Windows NT.

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## Preface

Tivoli Storage Manager is the core product of the Tivoli Storage Management product set. It provides a solution for distributed data and storage management in an enterprise network environment. Tivoli Storage Manager supports a wide variety of platforms for mobile, small and large systems, and delivers together with complementary products, many data management functions, such as data protection for file and application data, record retention, space management, and disaster recovery.

This paper gives a high-level technical introduction to Tivoli Storage Manager. It positions Tivoli Storage Manager within the Tivoli Storage Management solution, provides an overview of its architecture, the base concepts, the interfaces, and supported environments, and shows Tivoli Storage Manager's interaction with other products of the Tivoli Storage Management product set.

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### The author of this redpaper

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# 1. The Tivoli Storage Management solution

In today's connected world, data has become the key asset of companies and one of its most important competitive differentiating factors. Temporary inaccessibility or the complete loss of data has a huge financial impact, and can drive companies out of business. The inability to manage data can have a negative impact on a company's profitability and limit their ability to grow. Storing, protecting, and managing data growth has become one of the major challenges of today's businesses.

Based on this requirement, Tivoli defined its Information Integrity Initiative (in [http://www.tivoli.com/news/press/pressreleases/en/1999/adsm\\_stormgt.html](http://www.tivoli.com/news/press/pressreleases/en/1999/adsm_stormgt.html)): "The Tivoli Storage Management Initiative provides an end-to-end software management solution with proven methodologies to help customers link storage management policies with key business practices, to enable them to use information to DRIVE business, rather than simply support it."

Figure 1 shows the structure of the Tivoli Storage Management Solution and how it fits into the Tivoli Enterprise.

Tivoli Storage Management consists of four major solution components:

- Enterprise protection
- Application protection
- SAN management
- Workgroup protection

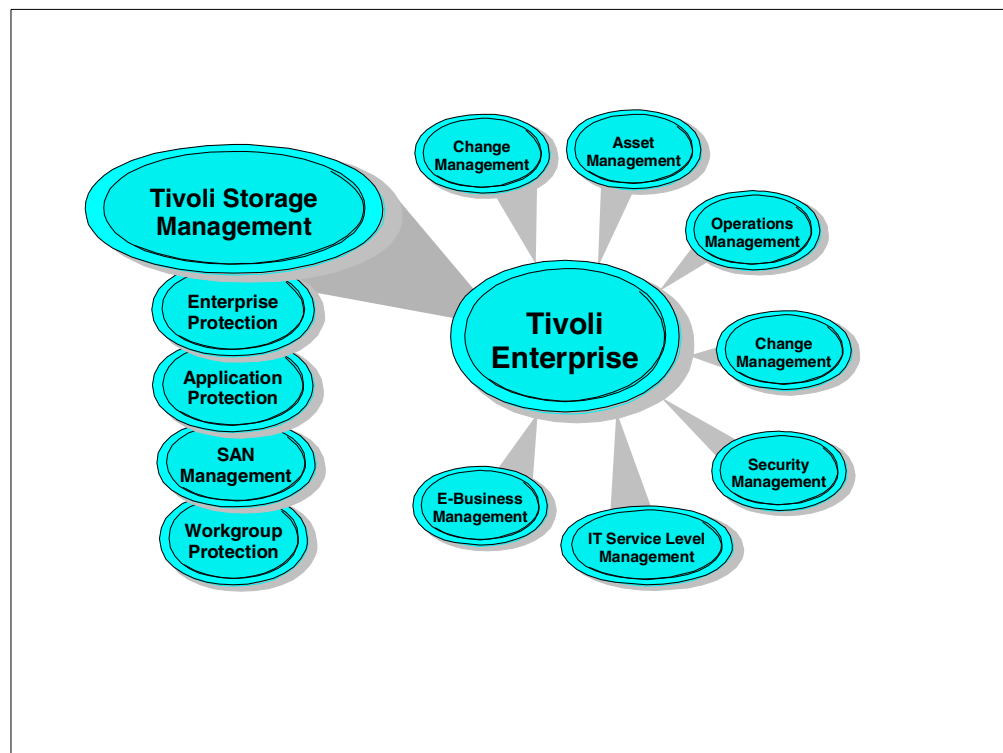


Figure 1. Tivoli Storage Management and Tivoli Enterprise

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