

1. Record Nr.	UNINA9910813376703321
Titolo	Content Manager backup/recovery and high availability : strategies, options, and procedures // [Wei-Dong Jackie Zhu ... et al.]
Pubbl/distr/stampa	[S.l.] : IBM, International Technical Support Organization, c2004
Edizione	[1st ed.]
Descrizione fisica	xii, 262 p. : ill
Collana	IBM redbooks
Altri autori (Persone)	ZhuWei-Dong Jackie
Disciplina	005.8/6
Soggetti	Electronic data processing - Backup processing alternatives Data recovery (Computer science)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"March 2004."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front cover -- Contents -- Notices -- Trademarks -- Preface -- The team that wrote this redbook -- Become a published author -- Comments welcome -- Chapter 1. Introduction -- 1.1 Introducing Content Manager -- 1.1.1 Architecture -- 1.1.2 Library Server -- 1.1.3 Resource Managers -- 1.1.4 Mid-tier server -- 1.1.5 Clients -- 1.2 Fundamentals -- Chapter 2. Backup and recovery strategies and options -- 2.1 Backup requirements -- 2.1.1 Types of events -- 2.1.2 Speed of recovery -- 2.1.3 Backup windows -- 2.1.4 Recovery points -- 2.1.5 Units of recovery -- 2.1.6 Backup of Content Manager supporting files -- 2.2 Backup options for Content Manager -- 2.2.1 Cold backup -- 2.2.2 Warm backup -- 2.2.3 Hot backup -- 2.3 Library Server and DB2 database backup and recovery -- 2.3.1 DB2 logging concepts -- 2.3.2 Backing up a DB2 database -- 2.3.3 Restoring a DB2 database -- 2.4 Resource Manager backup and recovery -- 2.4.1 Resource Manager data areas -- 2.4.2 Resource Manager services -- 2.4.3 Backup and recovery of the storage area -- 2.5 Content Manager configuration -- 2.6 Additional considerations for Content Manager -- 2.6.1 Stopping Content Manager activity -- 2.6.2 Library Server extensions -- 2.6.3 Resource Manager extensions -- 2.6.4 Validation utilities -- 2.6.5 Tivoli Storage Manager backup -- 2.6.6 Information Integrator for Content configuration database -- 2.6.7 Content Manager eClient -- 2.6.8 User applications and custom code -- Chapter 3. Practical backup and recovery procedures -- 3.1 Component

overview -- 3.1.1 Library Server -- 3.1.2 Resource Manager -- 3.1.3 Summary of components -- 3.2 Planning for the backup -- 3.3 Offline backup -- 3.3.1 Preparing an offline backup -- 3.3.2 Offline backup to a file system -- 3.3.3 Offline backup to Tivoli Storage Manager -- 3.3.4 Finishing and restarting -- 3.3.5 Restoring -- 3.4 Online backup. 3.4.1 Preparing -- 3.4.2 Backup procedure -- 3.4.3 Restore -- 3.5 Multiple node configurations -- 3.6 Tivoli Storage Manager backup procedure -- Chapter 4. High availability strategies and options -- 4.1 Overview -- 4.1.1 Availability concept -- 4.1.2 Planned versus unplanned outages -- 4.1.3 High availability and continuous availability -- 4.1.4 Cost versus loss -- 4.1.5 Availability matrix -- 4.1.6 Levels of availability -- 4.1.7 Measuring availability -- 4.2 Content Manager HA strategies and options -- 4.2.1 Content Manager infrastructure fundamentals -- 4.2.2 High availability example 1: Clustering -- 4.2.3 Example 1 modified: Clustering with mid-tier RM application -- 4.2.4 High availability example 2: Clustering and replication -- 4.2.5 High availability example 3: Replication -- 4.2.6 High availability example 4: Single server configuration -- 4.2.7 High availability summary chart -- Chapter 5. Practical procedures for high availability -- 5.1 Introduction -- 5.1.1 Out test case scenario -- 5.2 Library Server HACMP -- 5.2.1 Software installation -- 5.2.2 Library Server parameter values -- 5.2.3 File system setup and user IDs creation -- 5.2.4 DB2 and Content Manager instance creation on primary node -- 5.2.5 Setting up shared disks and LVM -- 5.2.6 DB2 and Content Manager instance creation on secondary node -- 5.2.7 HACMP topology configuration -- 5.2.8 Defining resource groups -- 5.2.9 HACMP post-configuration procedures -- 5.3 Resource Manager replication -- 5.3.1 Initial parameter definitions -- 5.3.2 Resource Manager installation and configuration -- 5.3.3 Cross-referencing server definitions -- 5.3.4 Enable collections for replication -- 5.3.5 Adjust replication schedule -- 5.3.6 Adjust Resource Manager fail-over settings -- 5.3.7 Replication test -- 5.4 The rest of the environment -- 5.4.1 Tivoli Storage Manager. 5.4.2 Content Manager clients -- 5.5 Fail-over tests and results -- 5.5.1 Library Server only failover -- 5.5.2 Resource Manager failover and fallback -- 5.5.3 Simultaneous Library Server and Resource Manager failover -- Chapter 6. Business continuity and disaster recovery strategies -- 6.1 Overview -- 6.1.1 Business continuity and disaster recovery concept -- 6.1.2 Major disastrous events -- 6.1.3 Data protection cost -- 6.1.4 Trends in business continuity planning -- 6.1.5 Critical considerations and success factors -- 6.2 Business continuity strategies and options -- 6.2.1 Insourced -- 6.2.2 Outsourced -- 6.2.3 Business continuity needs assessment -- 6.3 Disaster recovery best practices -- 6.3.1 Disaster recovery: Best practices with Content Manager -- 6.3.2 Content Manager recovery -- Chapter 7. Case study: Retirement Application Processing System -- 7.1 The business problem -- 7.2 Solution overview -- 7.3 Solution design -- 7.3.1 High availability -- 7.3.2 Backup and recovery -- 7.3.3 Geographic distribution -- Chapter 8. Case study IBM ECM solution: Personnel Records System -- 8.1 The business problem -- 8.2 Solution definition and benefits -- 8.3 Scope and complexity -- 8.4 Solution architecture -- 8.5 Application and data protection strategy -- 8.5.1 Disaster recovery strategy -- 8.5.2 Backup and restore -- 8.5.3 System availability strategy -- 8.5.4 Full recovery -- 8.5.5 Incremental recovery -- Appendix A. Sample scripts and programs -- A.1 HACMP Library Server startup and shutdown scripts -- A.1.1 Library Server startup script -- A.1.2 Library Server shutdown script -- A.2 Sample custom API program -- Related publications -- IBM Redbooks -- Other

Sommario/riassunto

Structured and unstructured data is constantly growing, data retention requirements and user access requirements are continuously changing, and the demand for the readiness and availability of business systems and data becomes even higher. The use of content management systems is vital and necessary; it is what makes an organization's success viable. The availability of these systems is of crucial importance. Several technologies of various degrees have provided an answer to backup, availability, and disaster recovery requirements, but all at a price. How can you achieve maximum availability of your IBM DB2 Content Manager systems while balancing costs, resources, and skills? The purpose of this IBM Redbooks publication is to introduce the concepts of backup/recovery, high availability, and disaster recovery for Content Manager systems, and provide strategies, options and implementation steps to protect your Content Manager systems. We also explore, through various case studies, how to apply your newly gained knowledge to real-world Content Manager system implementation and practices. This book will also help IT architects, specialists, project managers, and decision makers identify the best high availability and disaster recovery strategies and integrate them into the Content Manager solution design process.