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## **Objectives**

Upon completion of this unit, you will be able to:

- Discuss the major changes for IBM Tivoli Storage Manager 5.4.
- Explain the benefits of the new features.



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### **Contents of this presentation**

- Overview of administration center updates
- Overview of active data pools
- Overview of backup set enhancements
- Overview of data shredding
- Overview of network data management protocol (NDMP) changes
- Overview of upgrading from IBM Tivoli Storage Manager Express



Differences overview

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#### **Administration center updates**

- Update administrator password to a group of selected servers
- Performance fixes and administration API rewritten for streaming mode
- Command-line applet usability fixes
- Support added for these commands:
  - ▶ AUDIT LIBRARY
  - ▶ AUDIT VOLUME
  - ▶ QUERY NODEDATA
  - MOVE NODEDATA
  - DUERY MEDIA
  - MOVE MEDIA



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#### **Administration center updates (cont.)**

- Administration center updates to support the following new functions:
  - Use the Tivoli Storage Manager server as the NDMP tape server (network filer-to-Tivoli Storage Manager server backup)
  - Create media for offsite vaulting from NDMP-generated images
  - Destroy expired data (data shredding) for random-access disk
  - ▶ Tape drive encryption
  - ▶ Optical device support on Linux<sup>®</sup>
- Administration center tutorials translated
- 5.4 administration center and integrated solutions console (ISC) will be available for 5.3 customers on the ftp site
- 5.2 Web administration will still work with 5.4

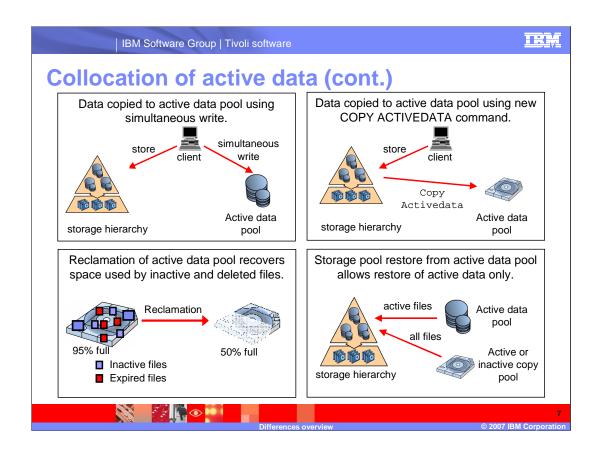


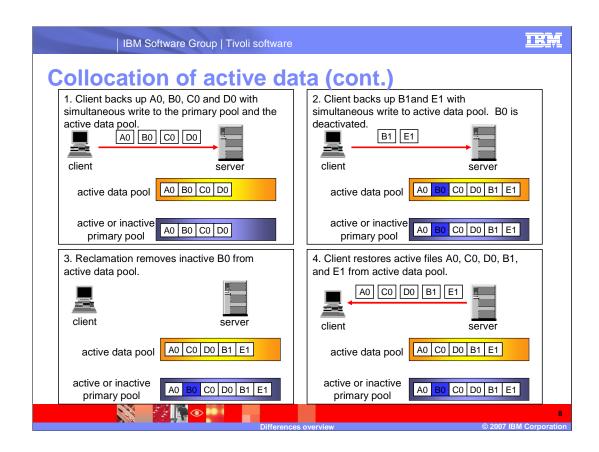
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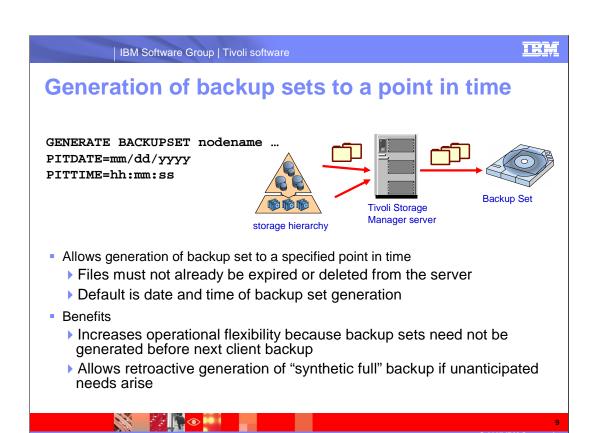


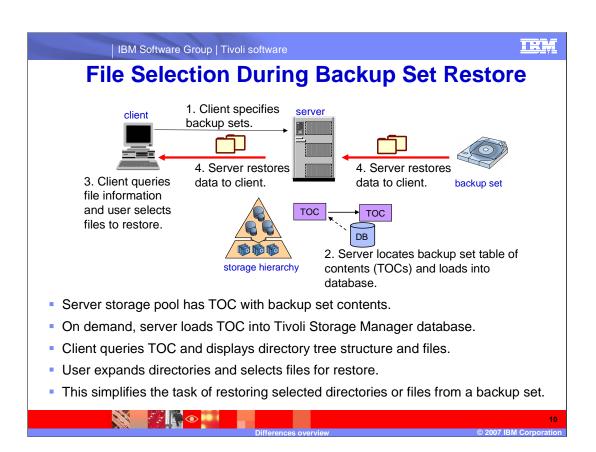
Simplified tape management because of fewer tapes

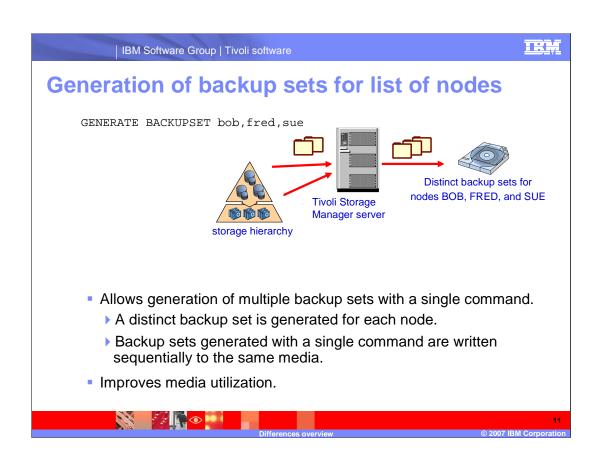
or disaster











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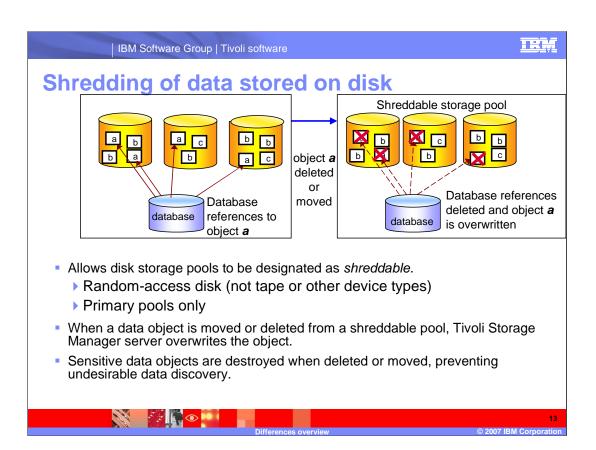
#### Possible uses for enhanced backup sets

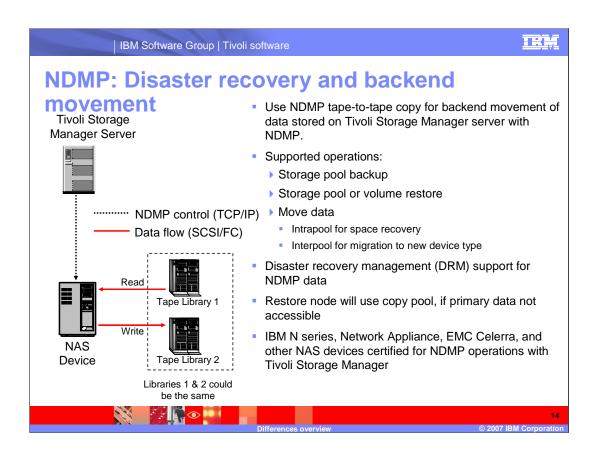
- Offsite vaulting of self-describing data
- Traditional tape rotation (such as grandfather/father/son rotation) for small to medium businesses or departmental environments
- Long-term retention of point-in-time data
  - Individual files in backup set do not require entries in Tivoli Storage Manager database because entire backup set is tracked as a single entity
  - Separate policies for retention of backup set and individual files stored by Tivoli Storage Manager
  - May be useful in environments with stringent regulatory requirements for data retention

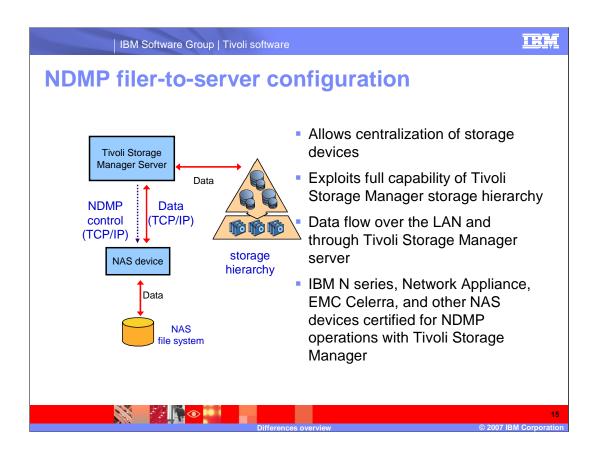


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#### **Upgrade from Tivoli Storage Manager Express**

- Enable an upgrade from Tivoli Storage Manager Express to Tivoli Storage Manager enterprise, preserving the data backed up by Tivoli Storage Manager Express and the Express configuration settings
- Give Express users enough information during the Tivoli Storage Manager 5.4 installation process to prepare appropriately for the upgrade
- Keep the Express administrative interface available after the upgrade.
- Provide documentation that bridges the gap between skills learned for Express and skills needed to start working in enterprise



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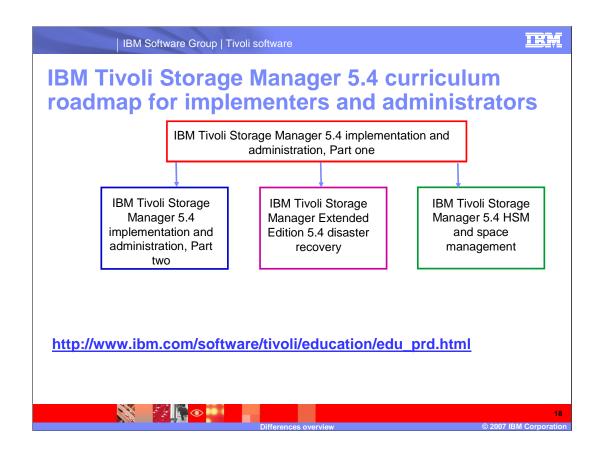
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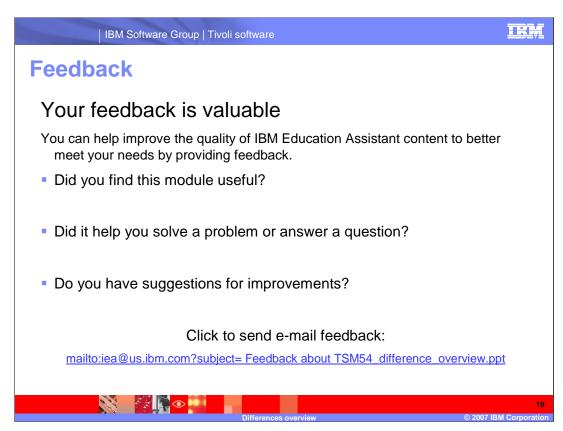
# **Summary**

You should now be able to:

- Discuss the major changes for IBM Tivoli Storage Manager 5.4.
- Explain the benefits of the new features.







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