

Tivoli Tips

By Paul Oh

Ever been asked to keep monthly backups for seven years? Are SOX, Bill 198, and auditors driving up your archiving requirements? Is your data growing? These common IT challenges can better be addressed with the newly released Tivoli Storage Manager 5.4 (Jan 26, 2007 GA). Specifically TSM 5.4 has made great enhancements in the functionality of "Backup Set" which can be effectively used for long-term archiving.

What is a TSM Backup Set?

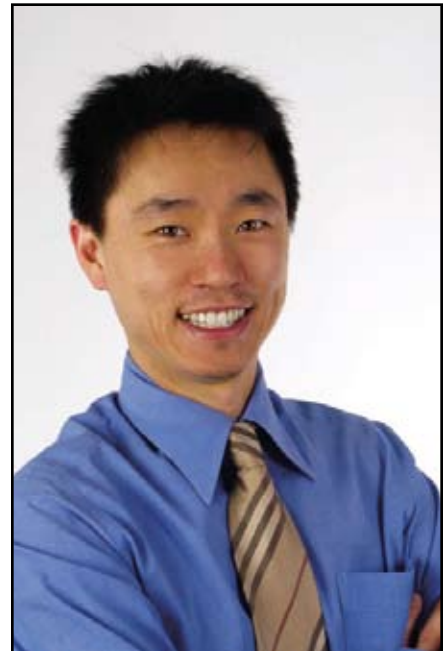
A TSM Backup Set is a snapshot copy of TSM data that is created for archival purposes. A Backup Set uses only the number of days for retention

IBM **Tivoli** software

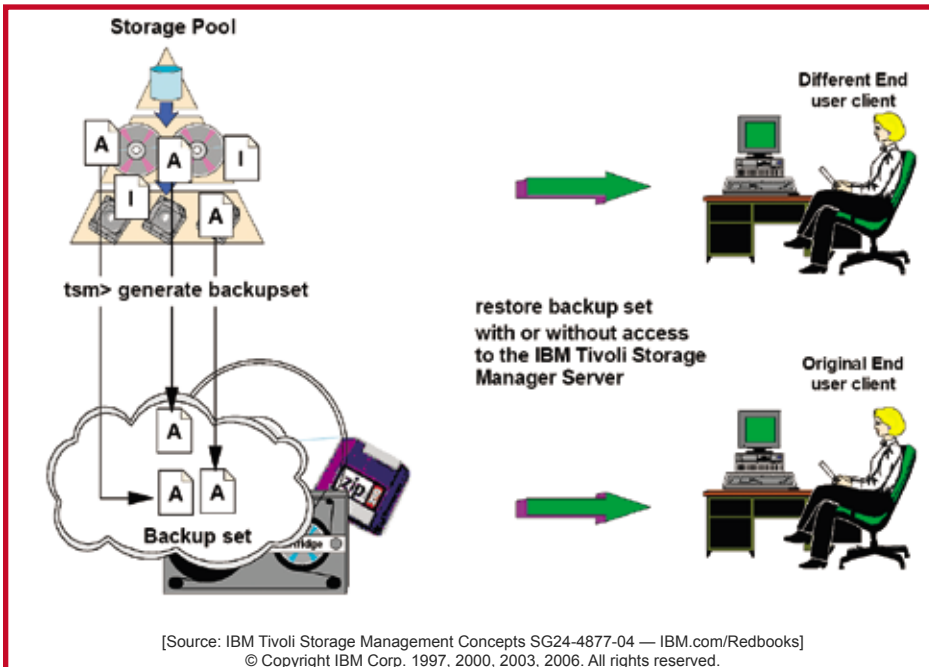
and is independent of the regular TSM incremental Backup versioning scheme. This makes Backup Set a great alternative to TSM Archive for monthly and yearly backups.

TSM Archive can still be used for long term storage but presents the following challenges: It adds tremendous overhead to the TSM database and requires all filespaces to be specified in a TSM schedule. In contrast TSM 5.4 Backup Set offers the following benefits:

- ✧ Improved Backup Set individual file and directory restore capability in TSM 5.4. No need to restore the entire Backup Set contents as was the case in earlier versions of TSM.



Paul Oh is TSM/ADSM certified with over 10 years of experience. He is currently a member of the TSM 6.1 Advisory Council and has participated in past Advisory Councils and Beta programs for TSM.



[Source: IBM Tivoli Storage Management Concepts SG24-4877-04 — IBM.com/Redbooks]
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Portable Backup Set: This technique provides the Tivoli Storage Manager client with a rapid recovery, which is achieved without needing access to either the Tivoli Storage Manager server or the network. You can also transfer the Backup Set from one server to another by generating the Backup Set on the source server, then transporting the Backup Set volume and defining it to the destination server, assuming that both servers have the same media type. The same node name is required to be registered on both servers.

- ✧ Ability to create multiple server backups to one Backup Set tape in TSM 5.4 (assuming it fits in one tape). Previously a Backup Set was created per server or file space resulting in partially full and wasted tapes; for example archiving 15 servers would have required 15+ tapes prior to TSM 5.4.

- ✧ Ability to create a point-in-time Backup Set in TSM 5.4. This feature was first introduced in TSM Express last year and has finally made it into TSM. A point-in-time Backup Set allows you to create a Backup Set snapshot from last Saturday assuming your TSM Backup copygroup retention parameters meet this length of time.

- ✧ Individual files in a Backup Set do not require separate entries in the TSM database because the entire Backup Set is tracked as a single entity.

For more information contact Mid-Range at 905-940-1814, or 800-668-6470. **M-R**