

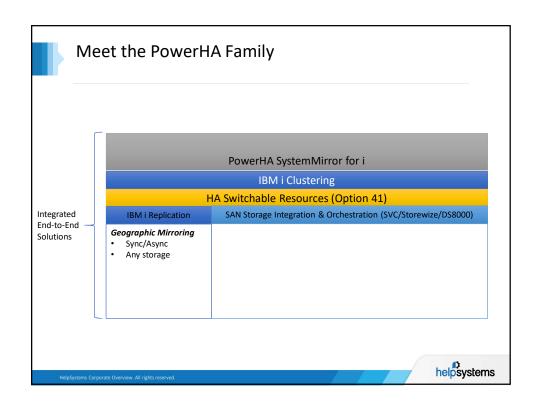


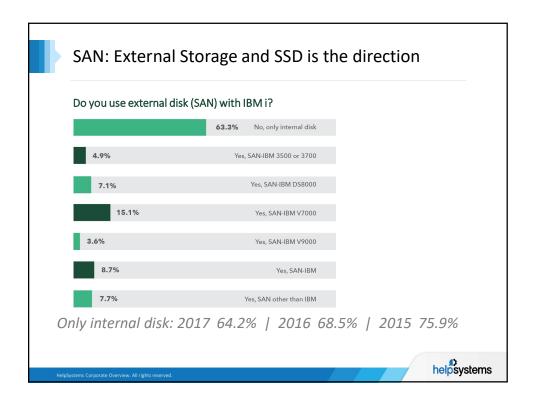
Features of Geographic Mirroring

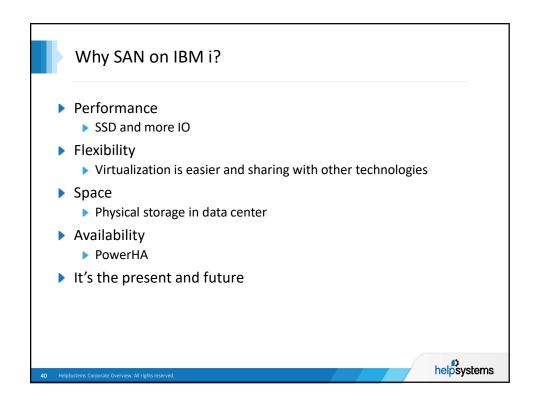
- Independent Auxiliary Storage Pool (IASP) replication technology
- ▶ IBM i storage management controls replication
 - ▶ Replication is done on at the page level, not object level
- Storage agnostic
- Tunable for synchronous or various levels of asynchronous replication.
- Partial resynchronization of suspend or detach of data
- Full resynchronization of data required after unplanned failure.
 - ▶ How much data can you tolerate to resync? 2TB, 4TB, 40TB?

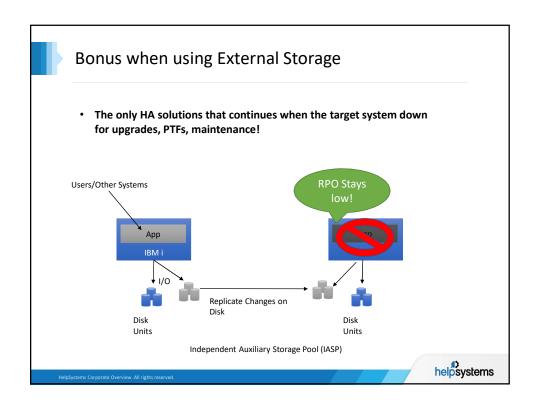


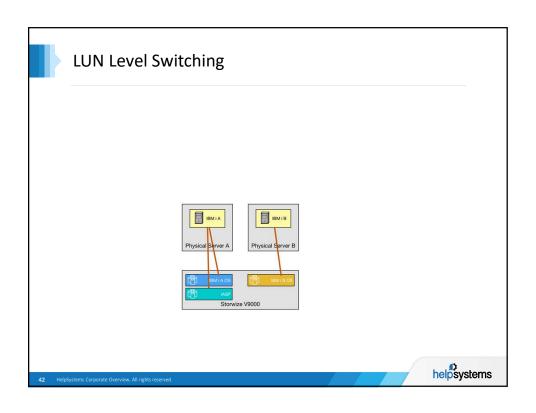
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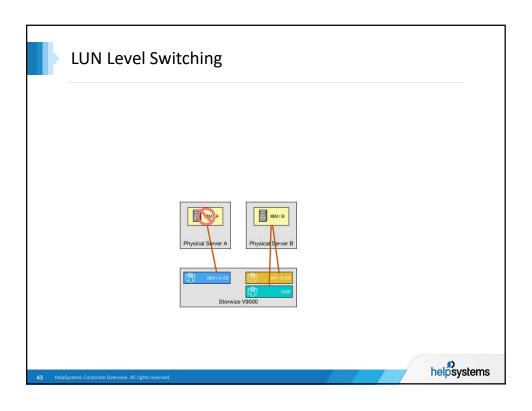


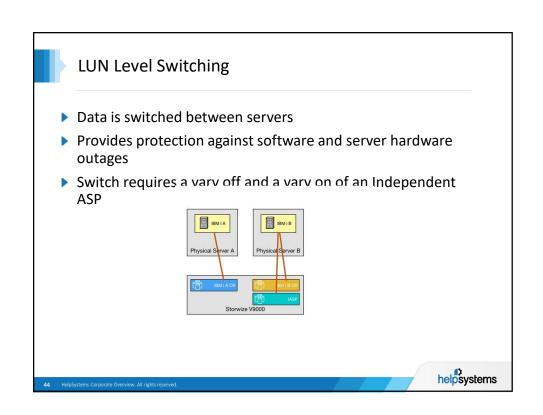


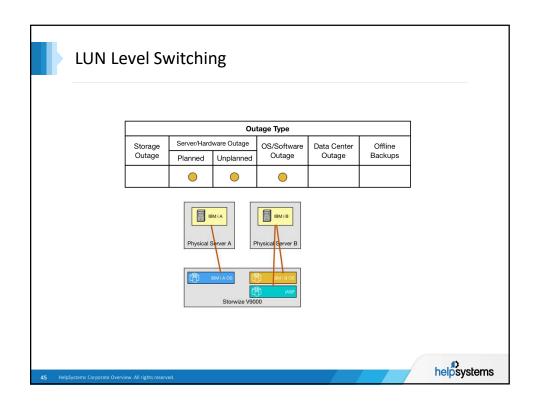


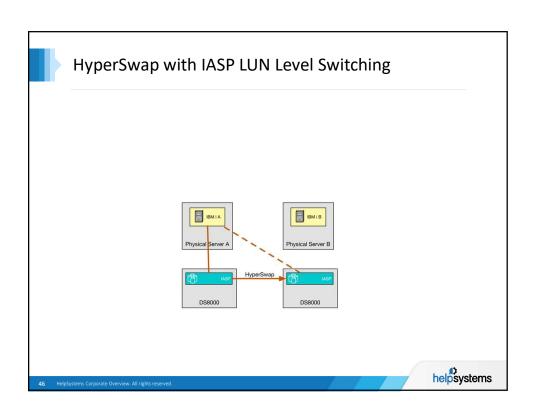


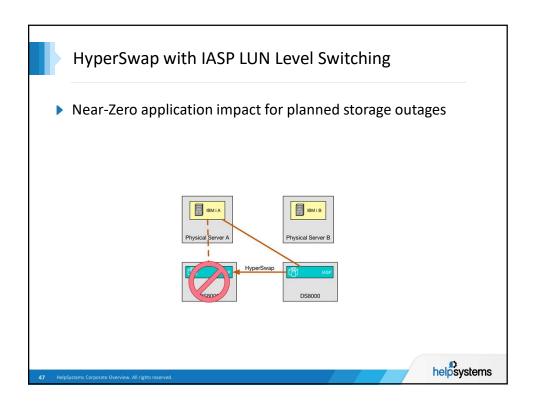


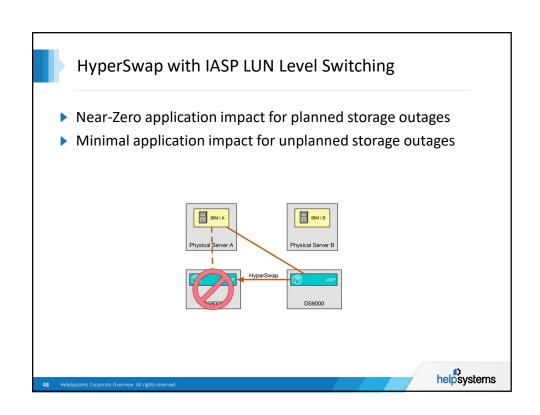


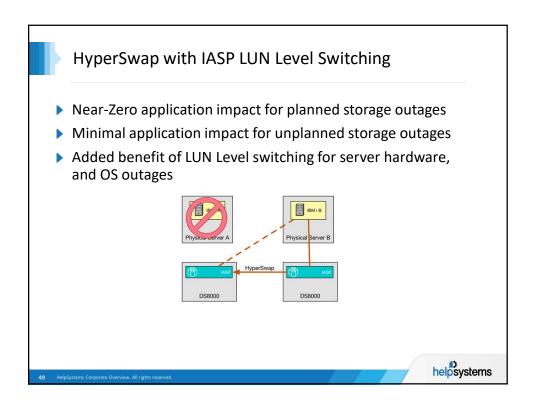


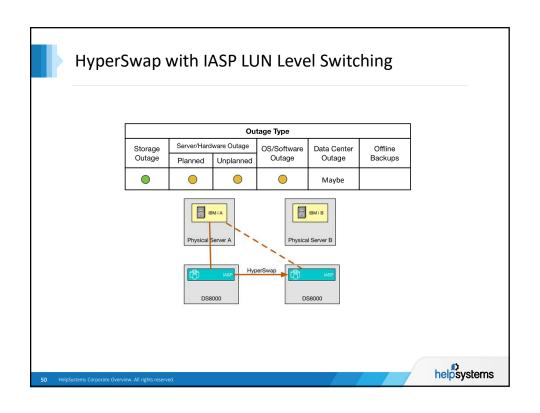


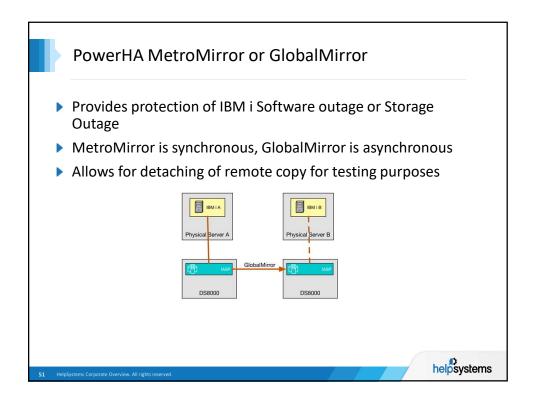


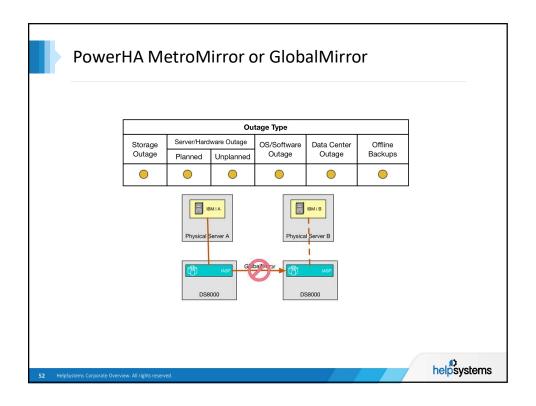


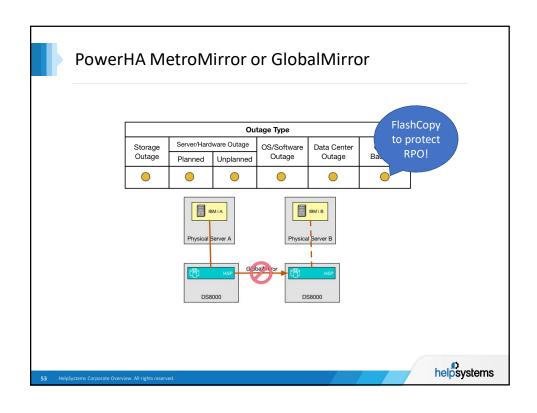


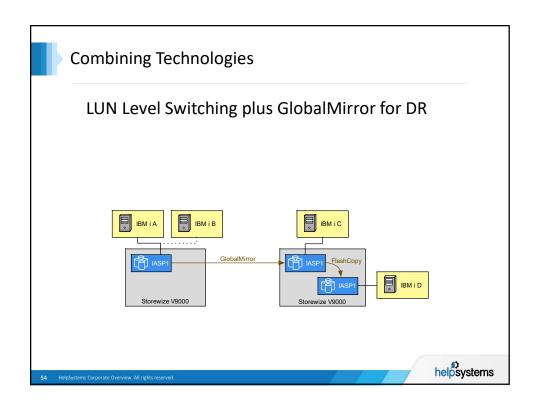


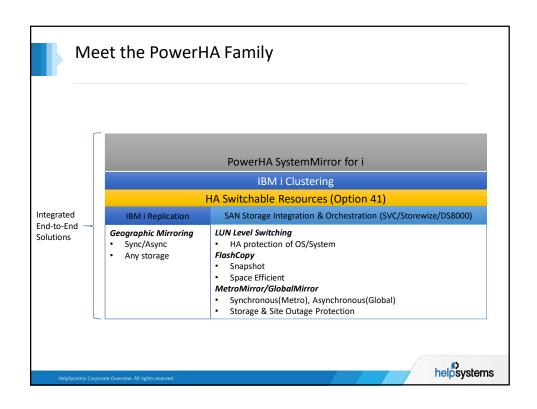


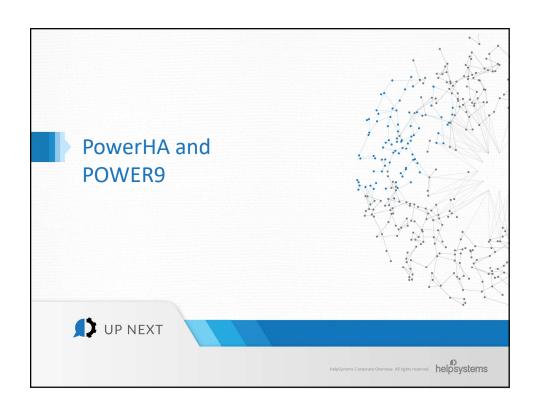


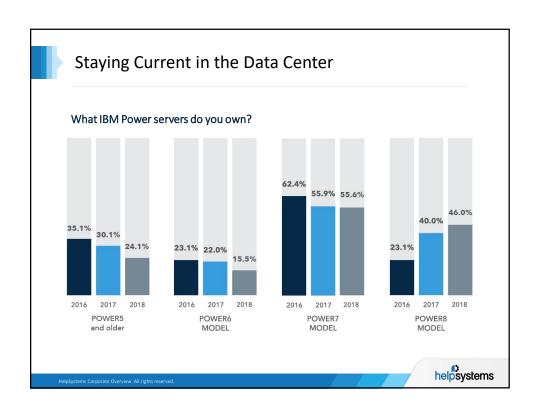


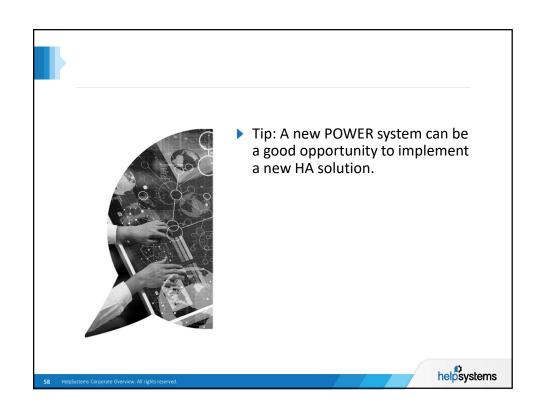


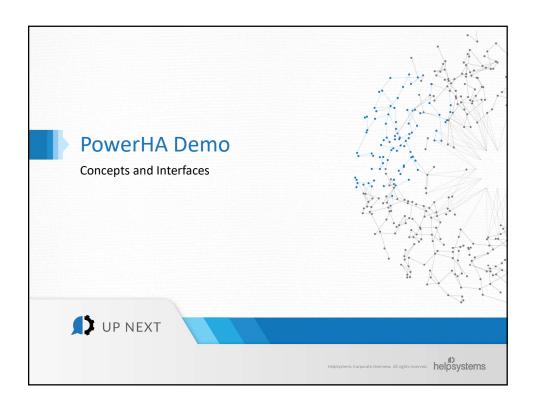


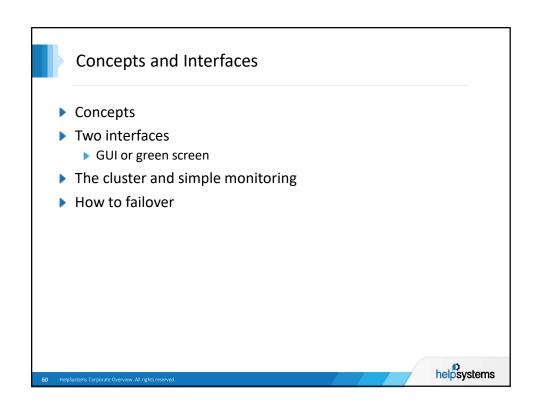


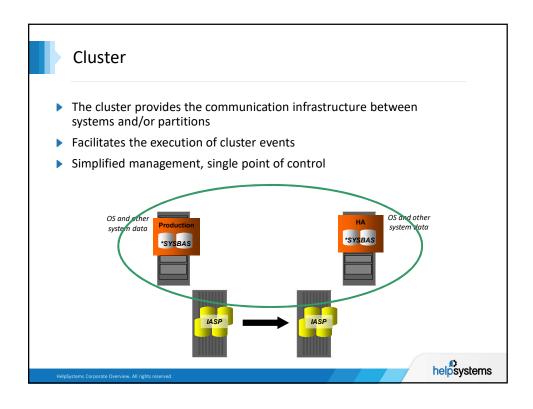


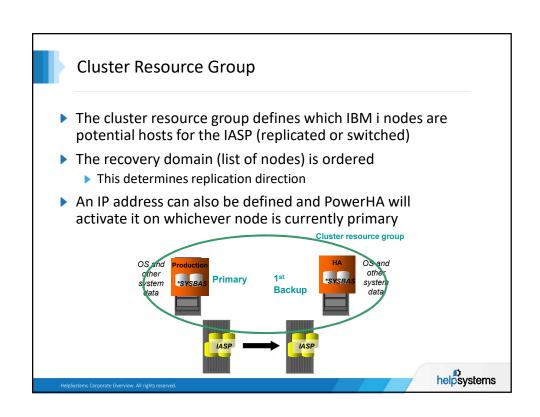


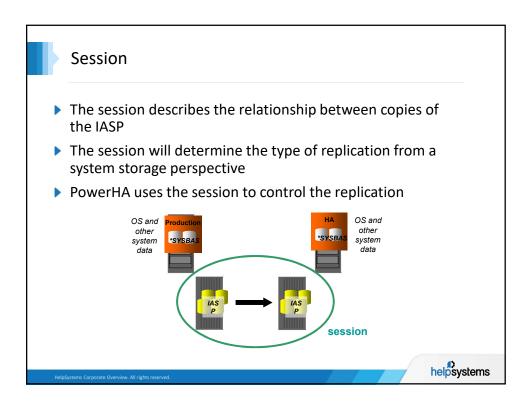




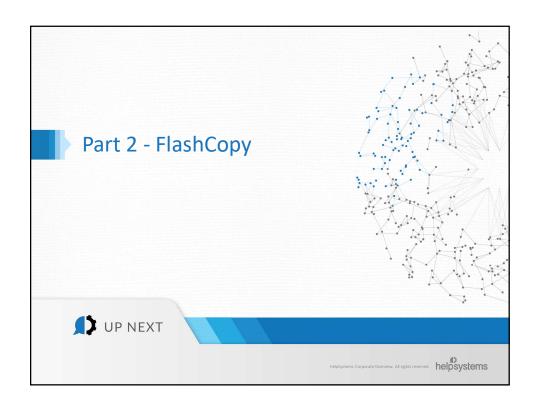


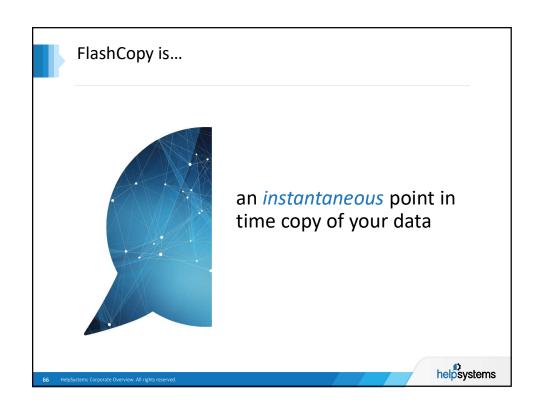






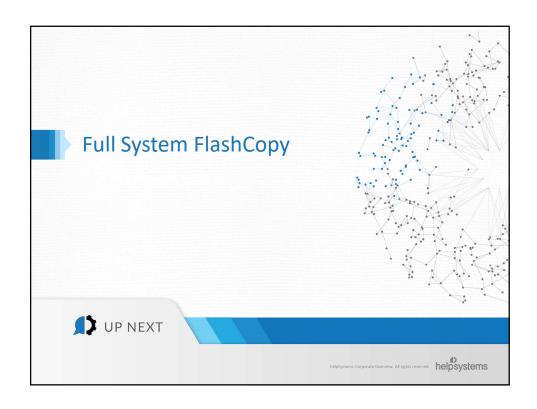


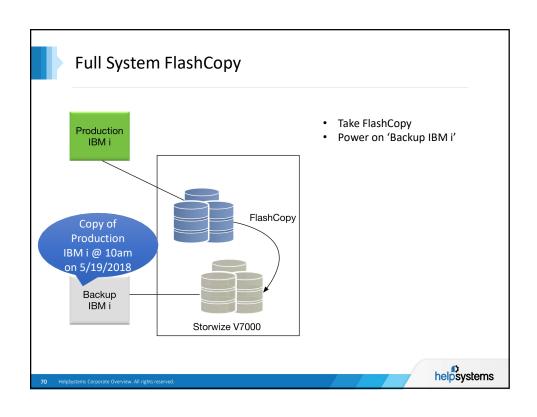


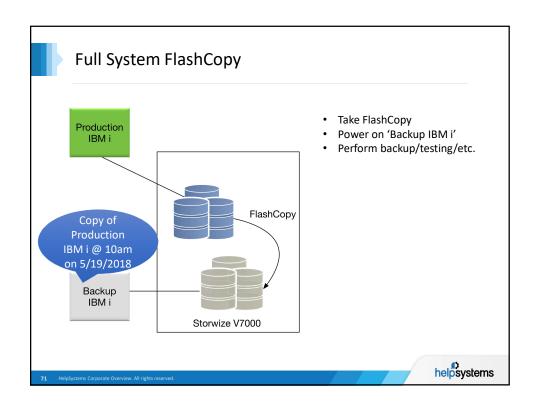


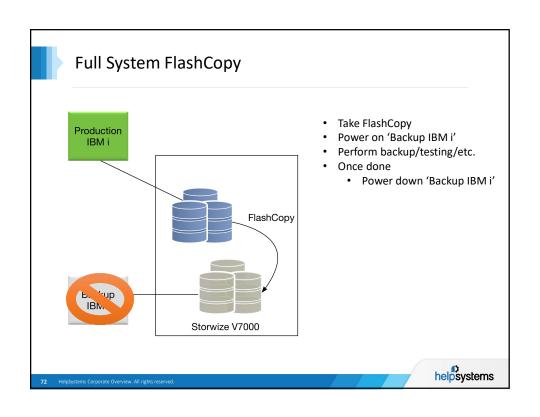


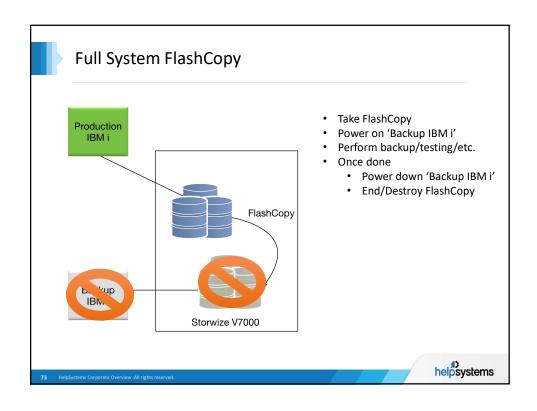


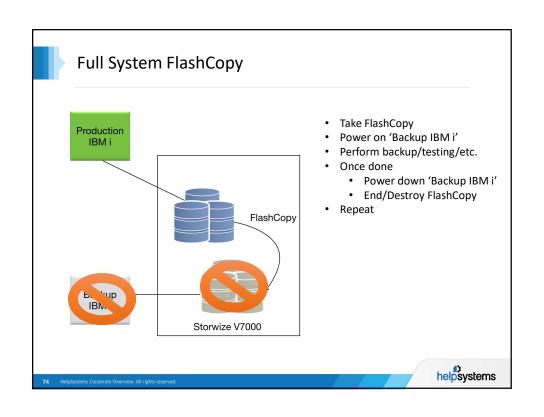


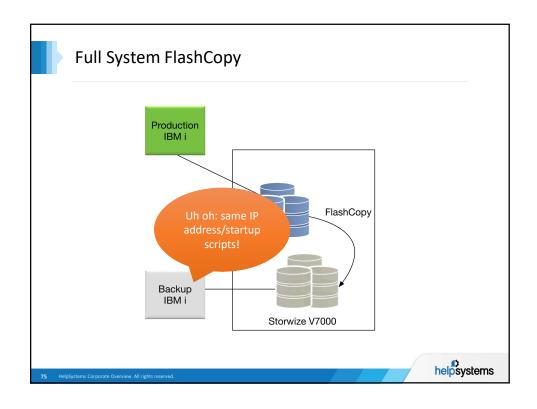












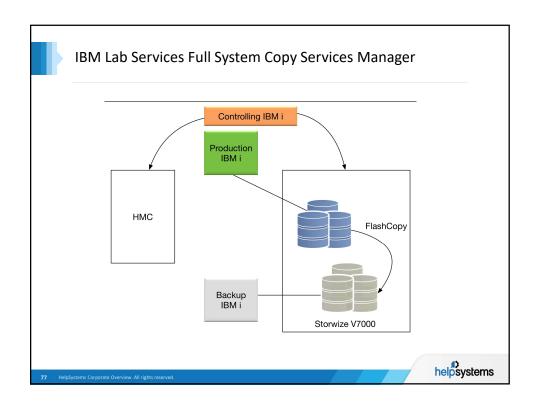


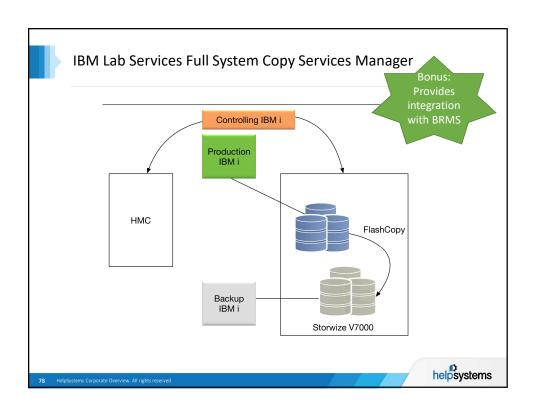
How can I solve the issue? (IP address/Startup Scripts)

- Option 1 Configure the system to not automatically start anything
 - ▶ Disadvantage makes it a pain to start your normal system
- Option 2 Create a custom startup script to selectively start correct IP, and jobs depending on the system
 - ▶ Need a way to tell which is which system since all of the disk unit data is identical between the systems.
 - ▶ If on separate systems Serial number (QSRLNBR system value)
 - ▶ Materialize MI instructions Lpar name
 - Ftc.
- Option 3 IBM Lab Services Full System Copy Services Manager

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- Option 3 IBM Lab Services Full System Copy Services Manager
- Option 4 FlashCopy is fully integrated with PowerHA

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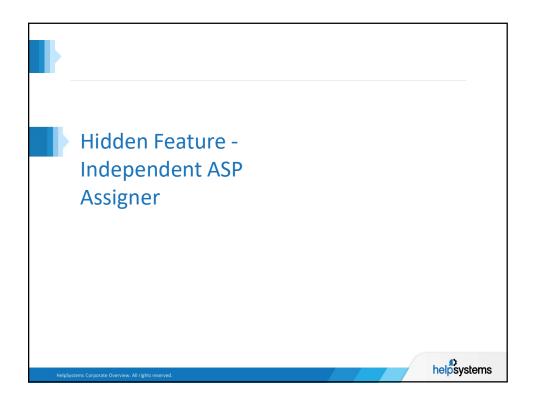


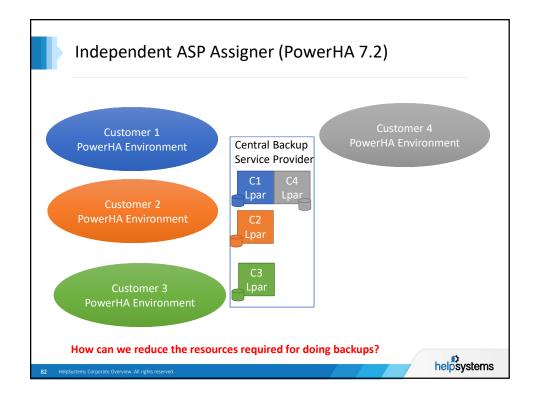
Advantages of IBM i PowerHA over Full System

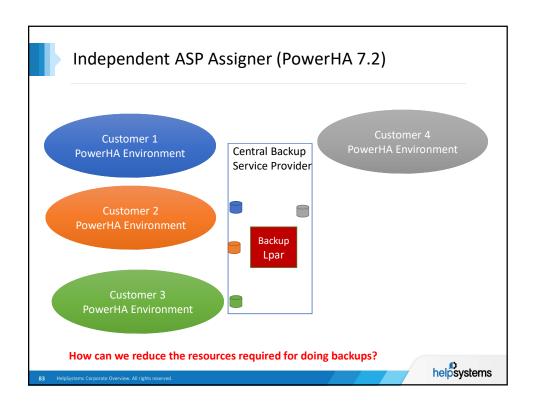
- No "fixup" required
- Integrated clustering interfaces
- Application data only no OS/Temporary Data
- Typically faster availability of data
- Greater flexibility with OS Release/etc.
- ▶ IASPs are the foundation for other PowerHA technologies

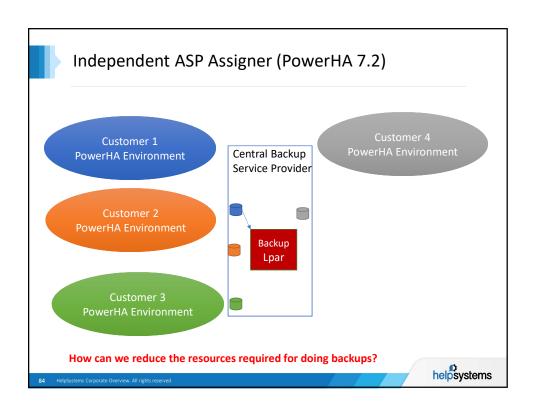
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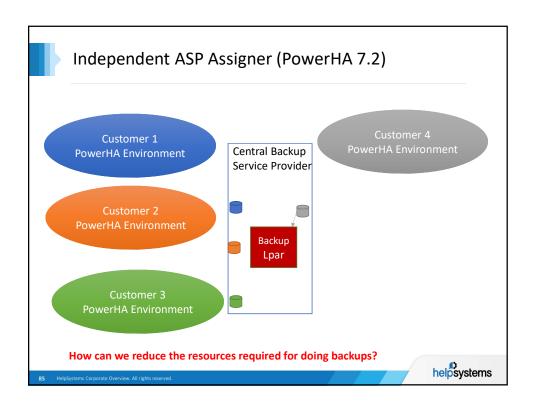


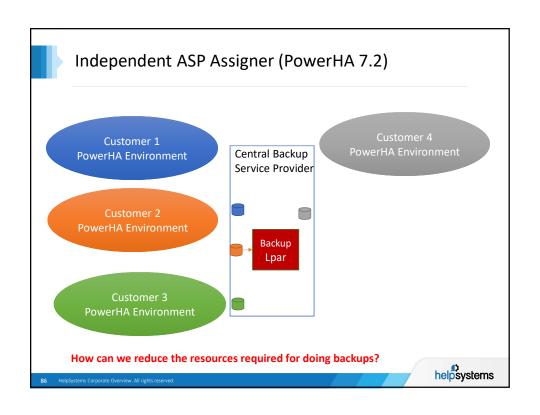


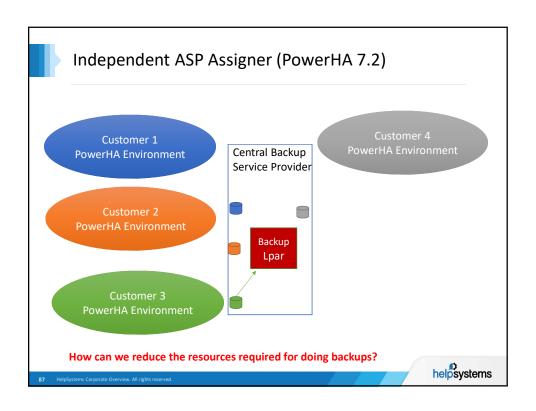


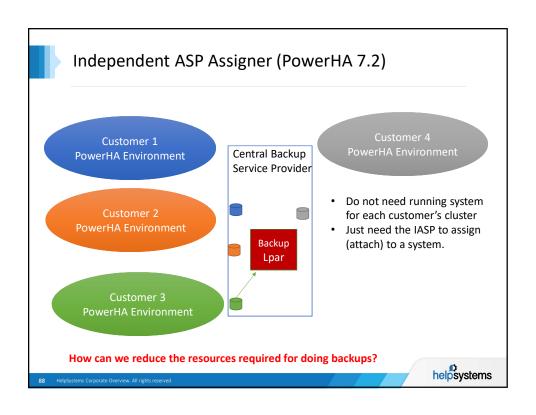


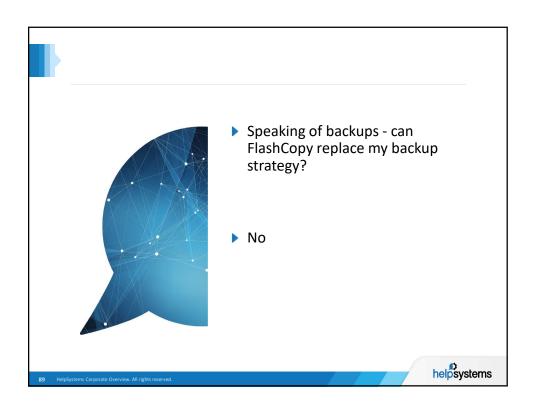


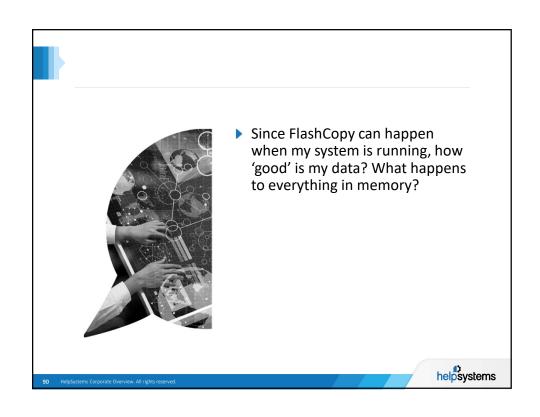


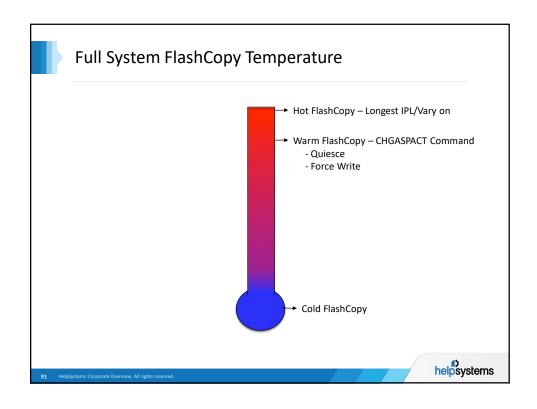




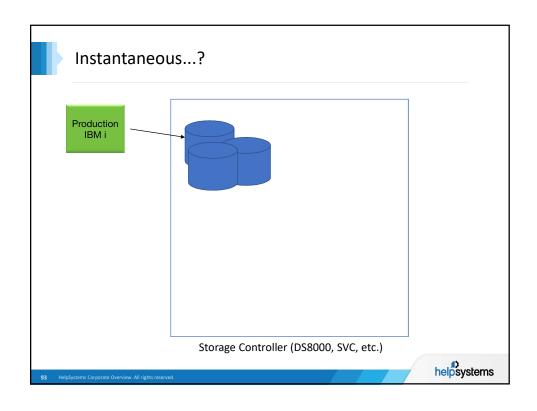


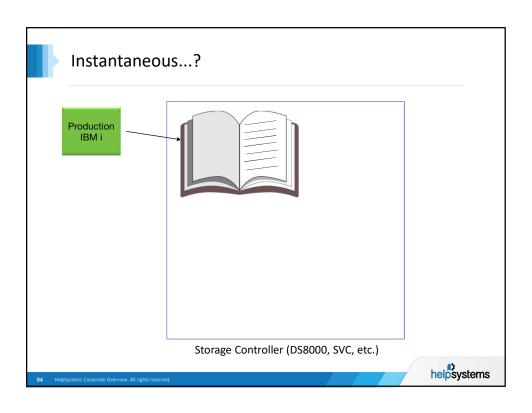


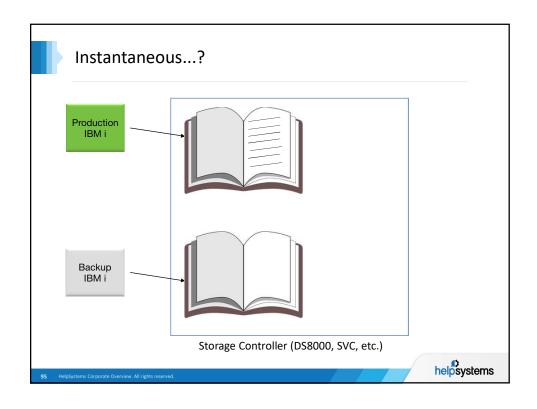


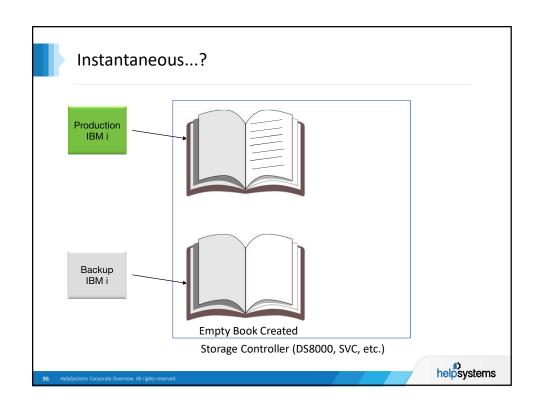


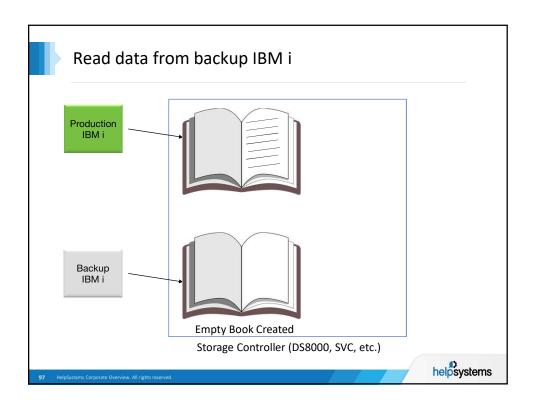


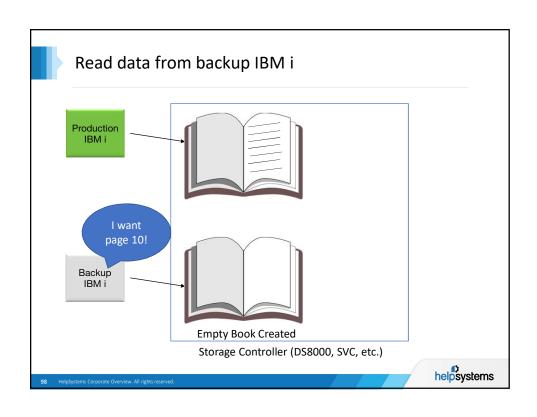


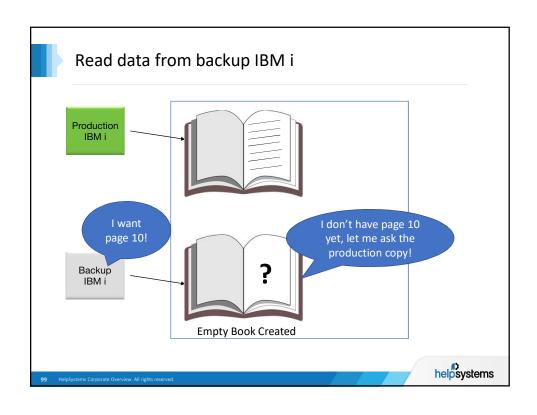


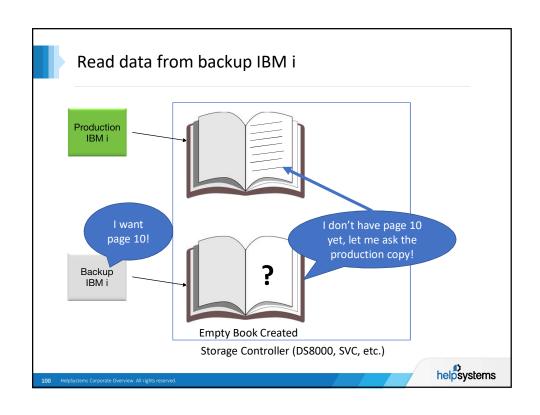


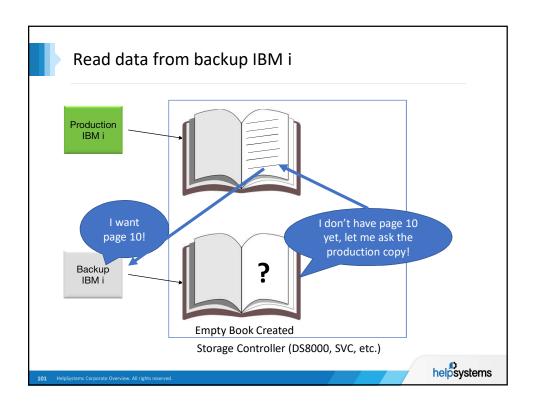


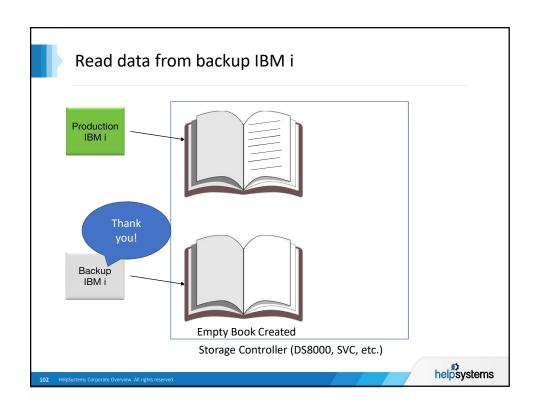


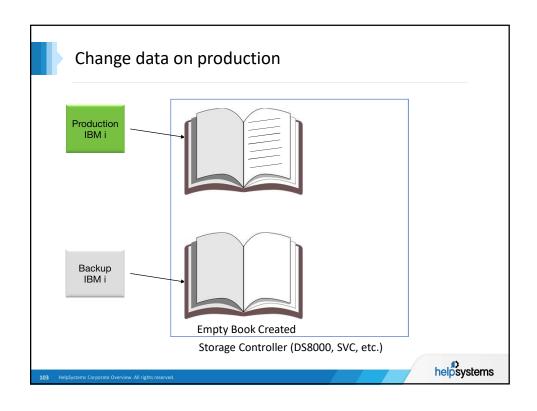


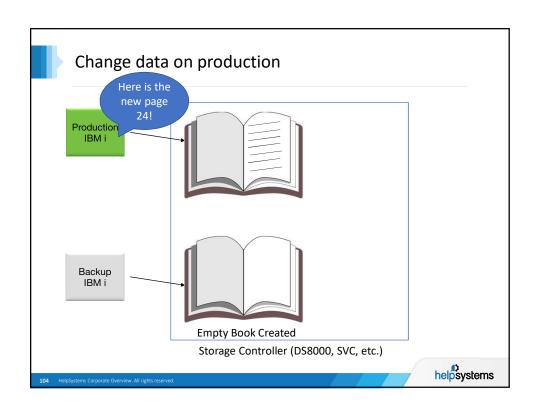


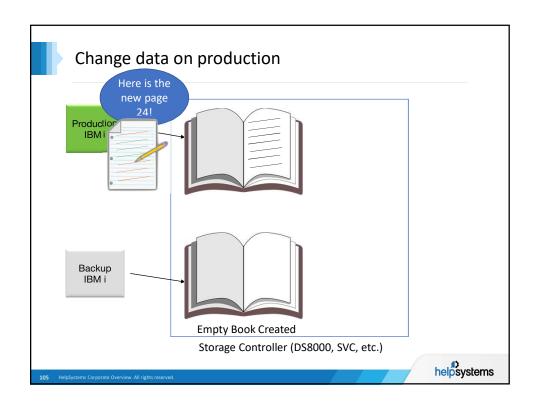


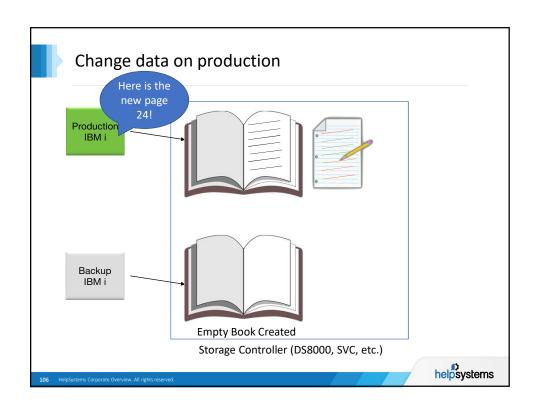


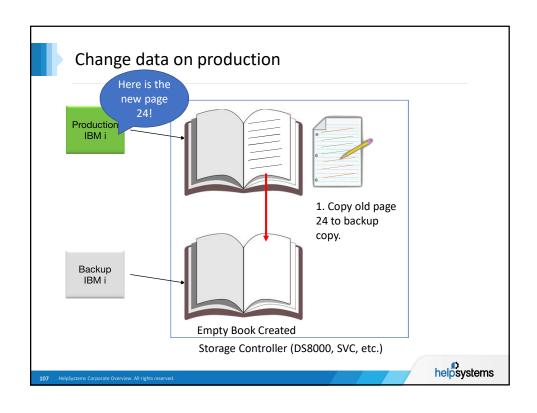


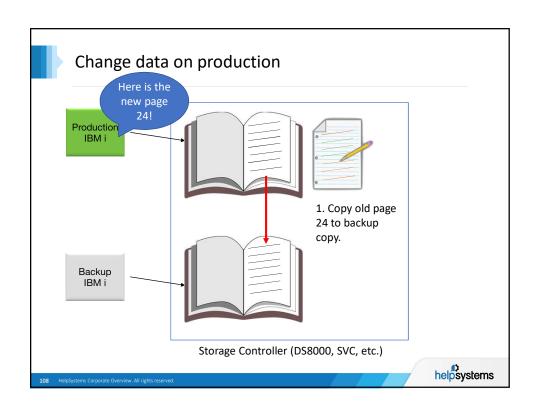


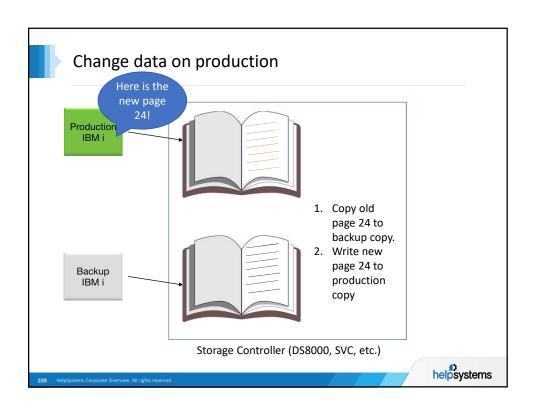


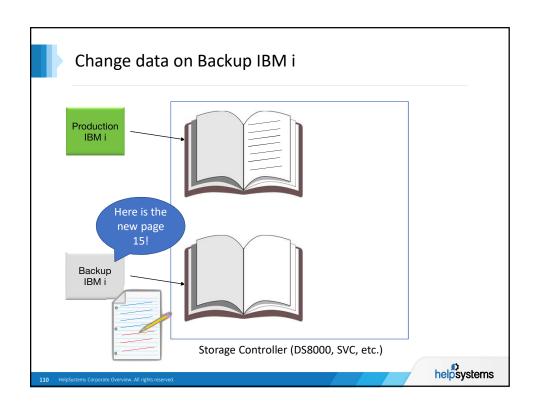


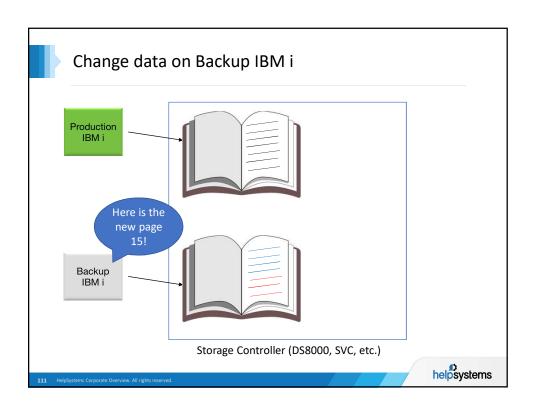


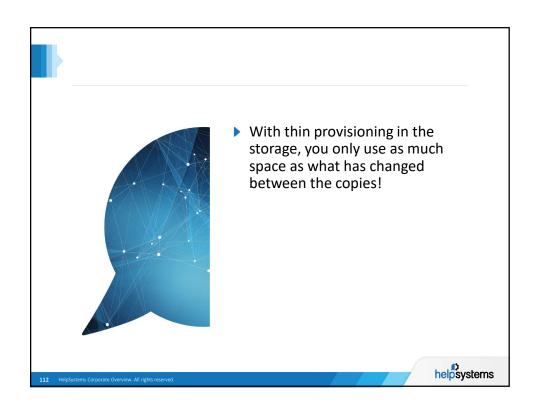


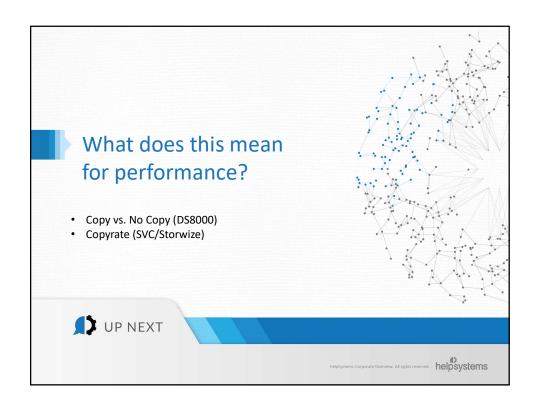


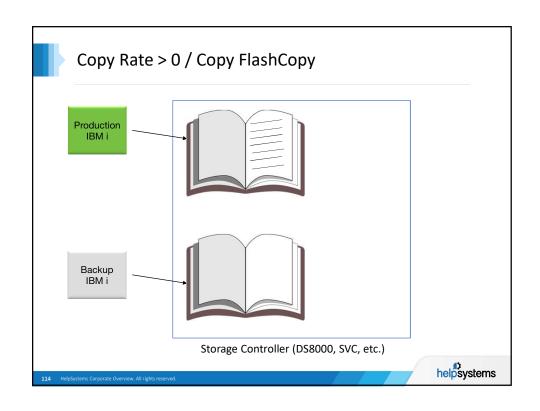


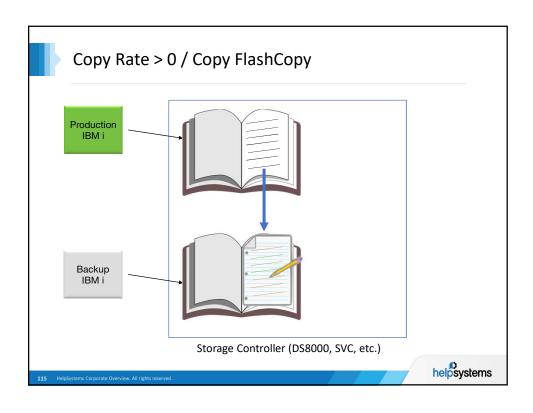


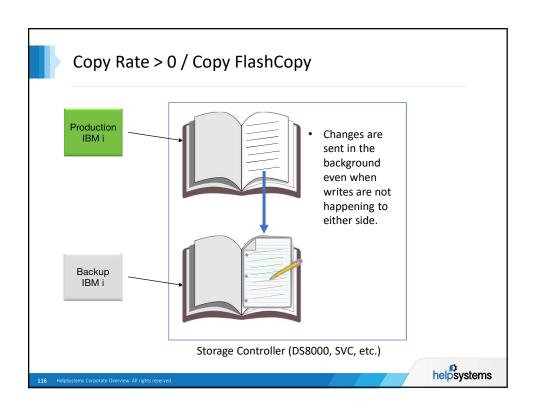


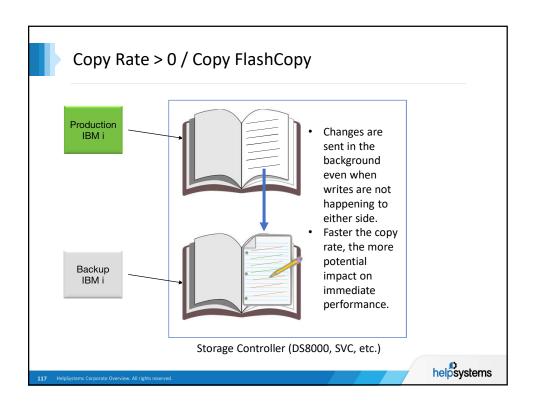


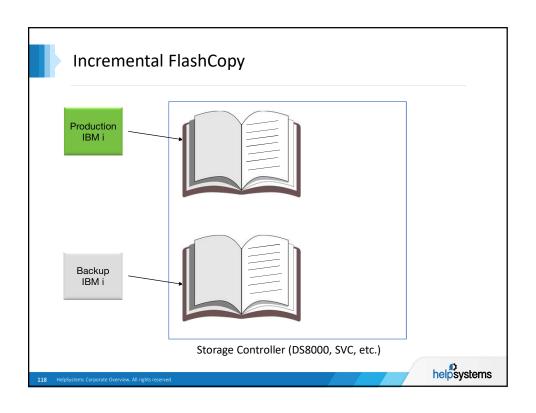


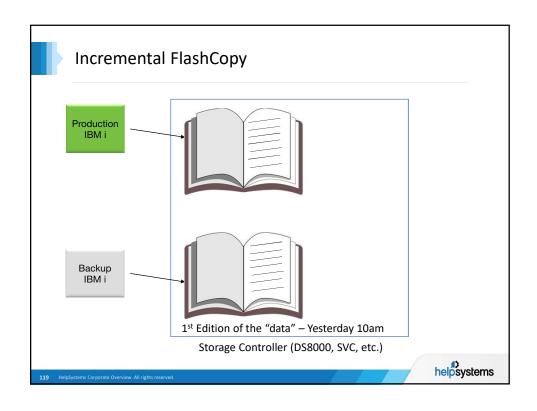


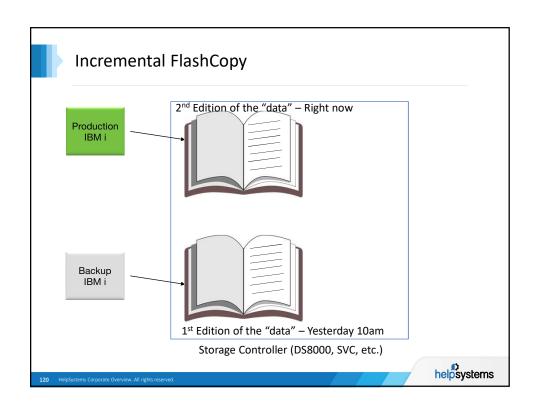


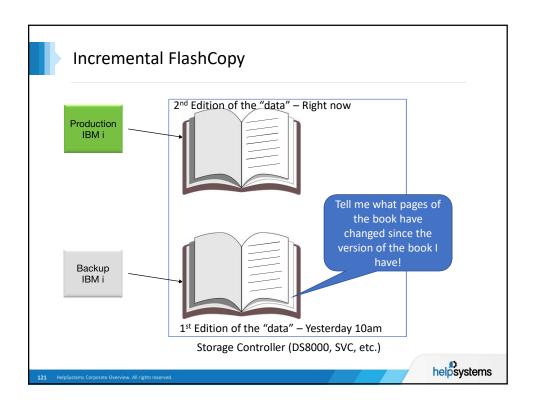


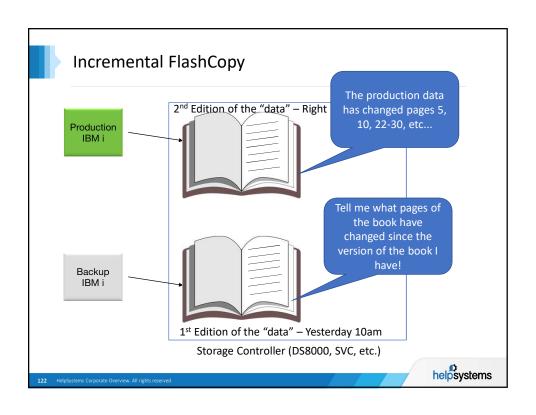


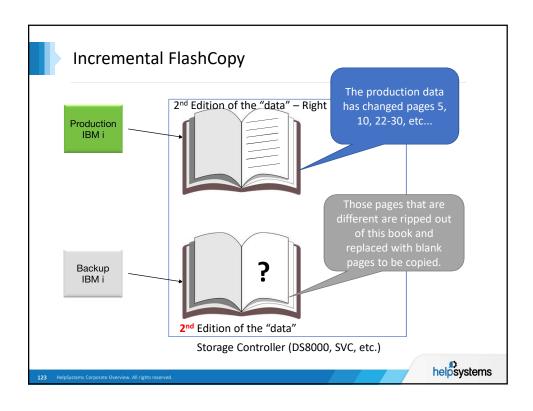


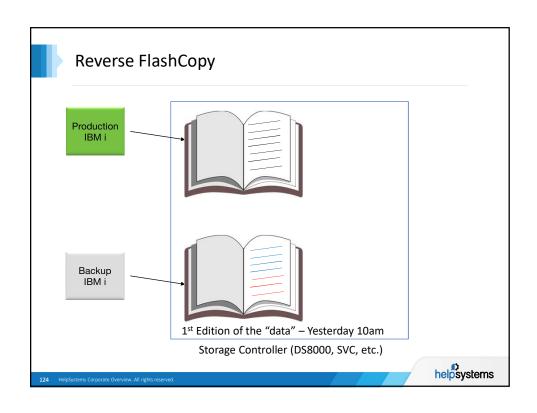


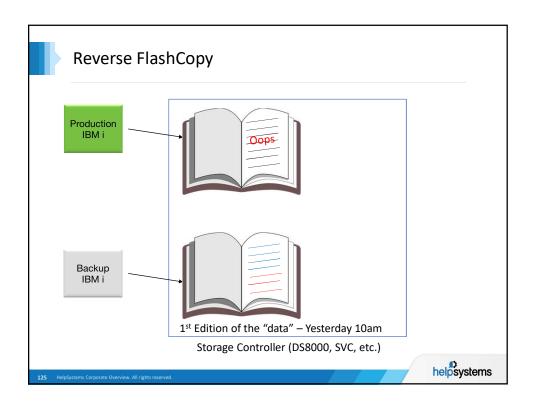


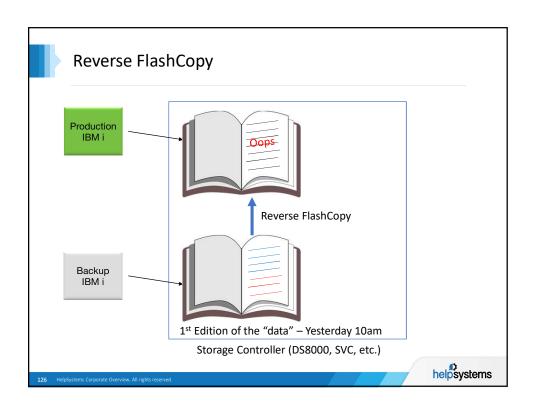


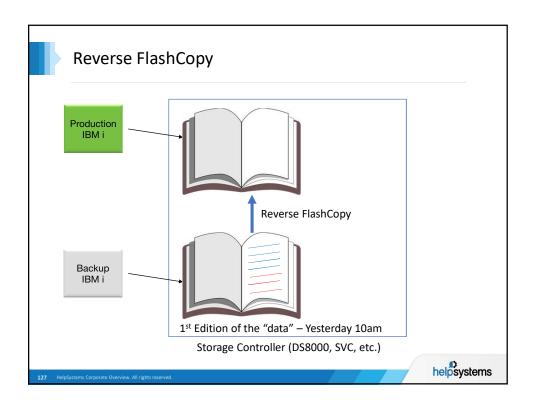


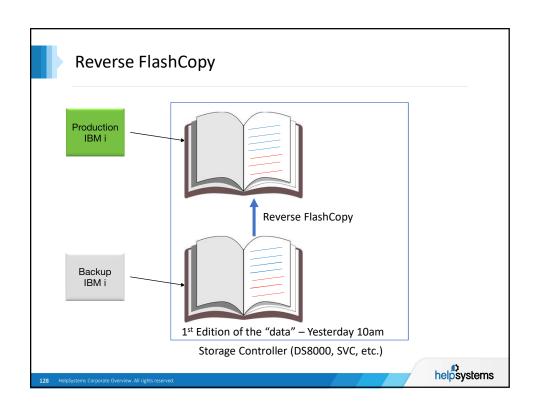


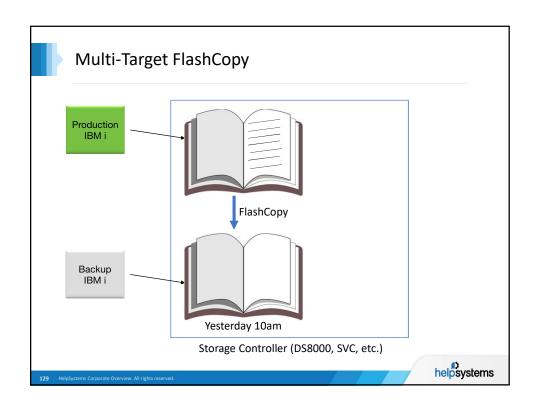


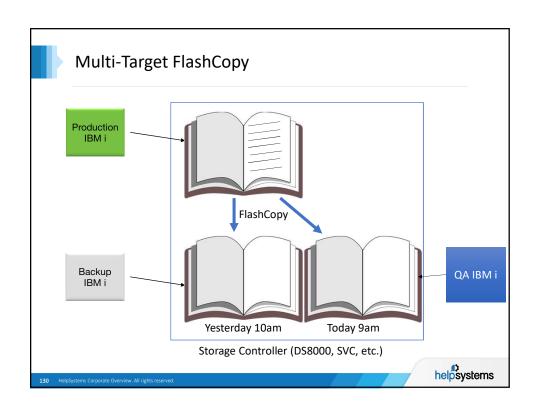


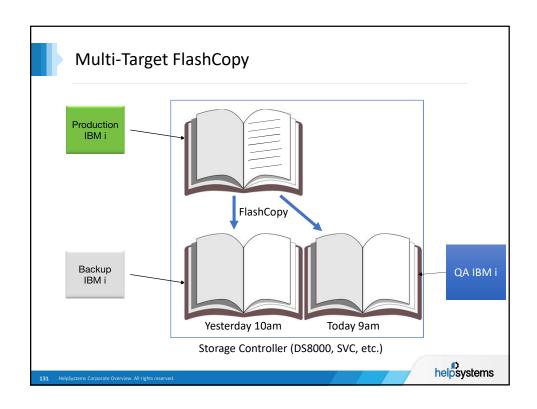


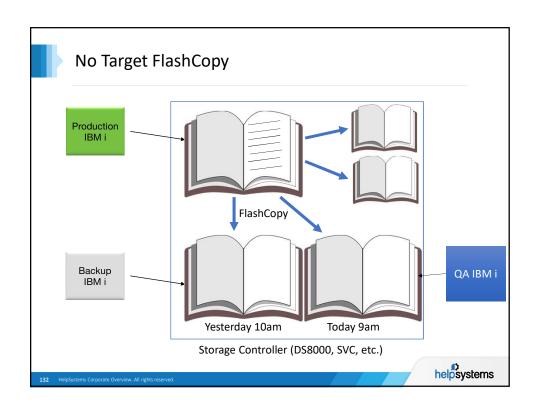
















References

- ▶ PowerHA wiki: www.ibm.com/developerWorks/ibmi/ha
- ▶ Lab Services Full System Copy Services Manager (FlashCopy) Information:

https://www.ibm.com/developerworks/community/wikis/home?lang=en#!/wiki/IBM%20i%20Advanced%20Copy%20Services/page/Full%20System%20Flashcopy%20(FSFC)

▶ BRMS Full System FlashCopy information: https://www.ibm.com/developerworks/community/wikis/h ome?lang=en#!/wiki/IBM%20Backup,%20Recovery%20and %20Media%20Services%20(BRMS)%20for%20i/page/Full% 20System%20Flash%20Copy

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