

PowerHA Tools for IBM i Full System Copy Services Manager 4.3 Version 2

Capabilities and requirements



IBM i Full System Copy Services Manager



Perform full system backups with minimal downtime

Features

- Automates managing IBM i partitions, performing a FlashCopy and starting your backups.
- Supports DS8000, SVC (V3700/V7000/V9000) external storage.
- Additional storage (XIV etc) can be supported when attached to an SVC
- Toolkit can change host connections on DS8000 and SVC to minimize LPAR usage.
- Communicates with the HMC to IPL and monitor partitions.
- Production LPAR can be IPL'd, quiesced, or just a memory flush
- Integrated with BRMS to maintain the integrity of the database, including transferring QUSRBRM back to the source partition.
- Supports Space Efficient, Thin Provisioned and incremental / Resynch FlashCopy.
- Perform FlashCopy at source and target of metro mirror, global mirror, and global mirror w/ change volumes
- A single command is used to initiate and monitor the process, from quiesce to backups to BRMS information transfer.
- Administrative and Operator tasks separated for ease of use and security.
- Can perform sequential operations on shared target disks or parallel operations on dedicated disks, or from one source to several targets sequentially.
- Prevents production IP addresses from coming online at the target partition.
- All communications and data are stored and transferred while encrypted

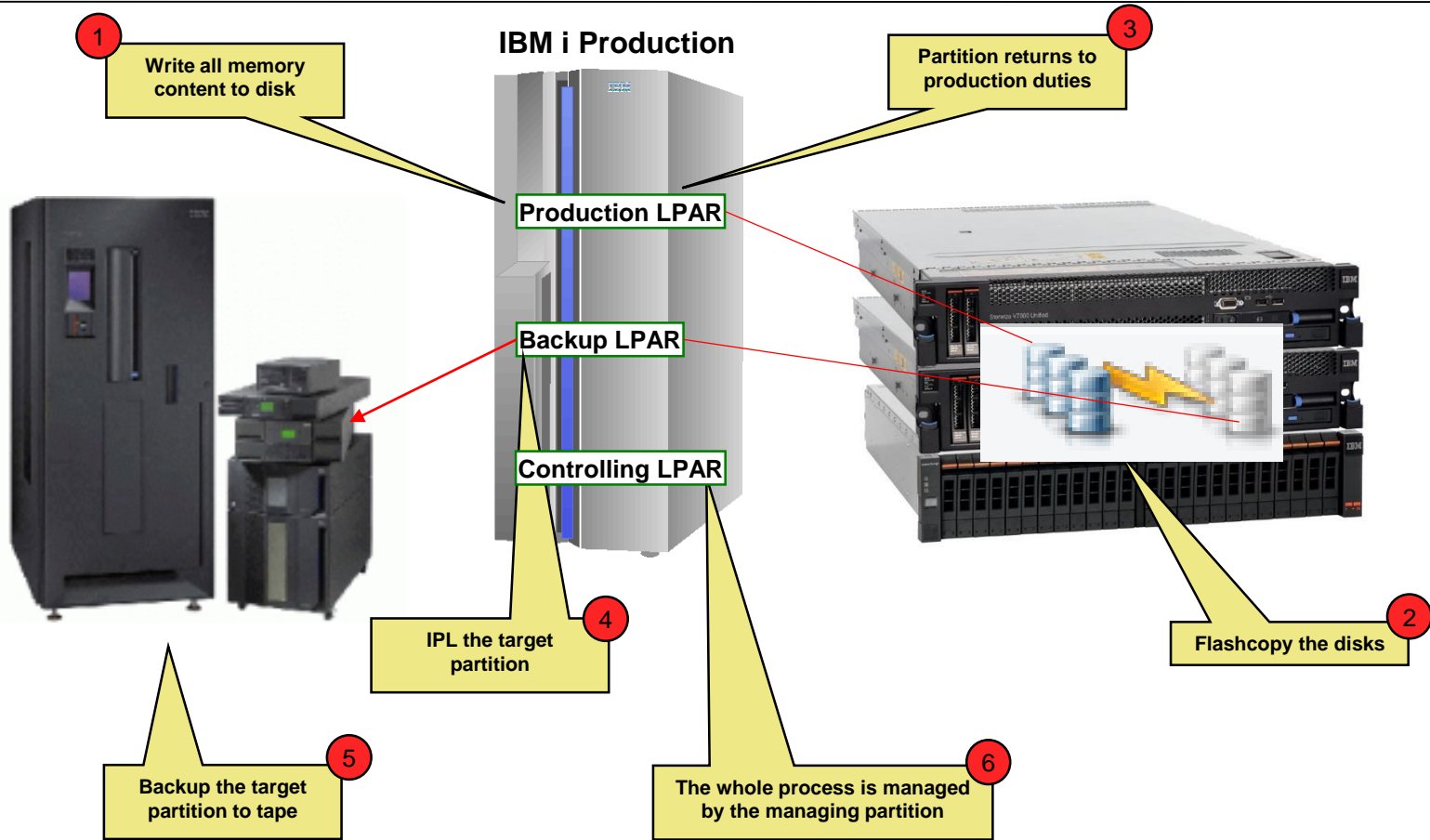
Typical Benefits

- Perform full system backups without a system outage
- Impact to users or application is usually just a few seconds – and does not disconnect their jobs or end TCP.
- Create copies of partitions for any purpose.
- Minimize potential user errors that cause system outages.
- Reduce personnel training requirements.
- Can be combined with replication to provide HA
- 24x7 phone support for software and services are provided through a services contract.

Version 2 Improvements

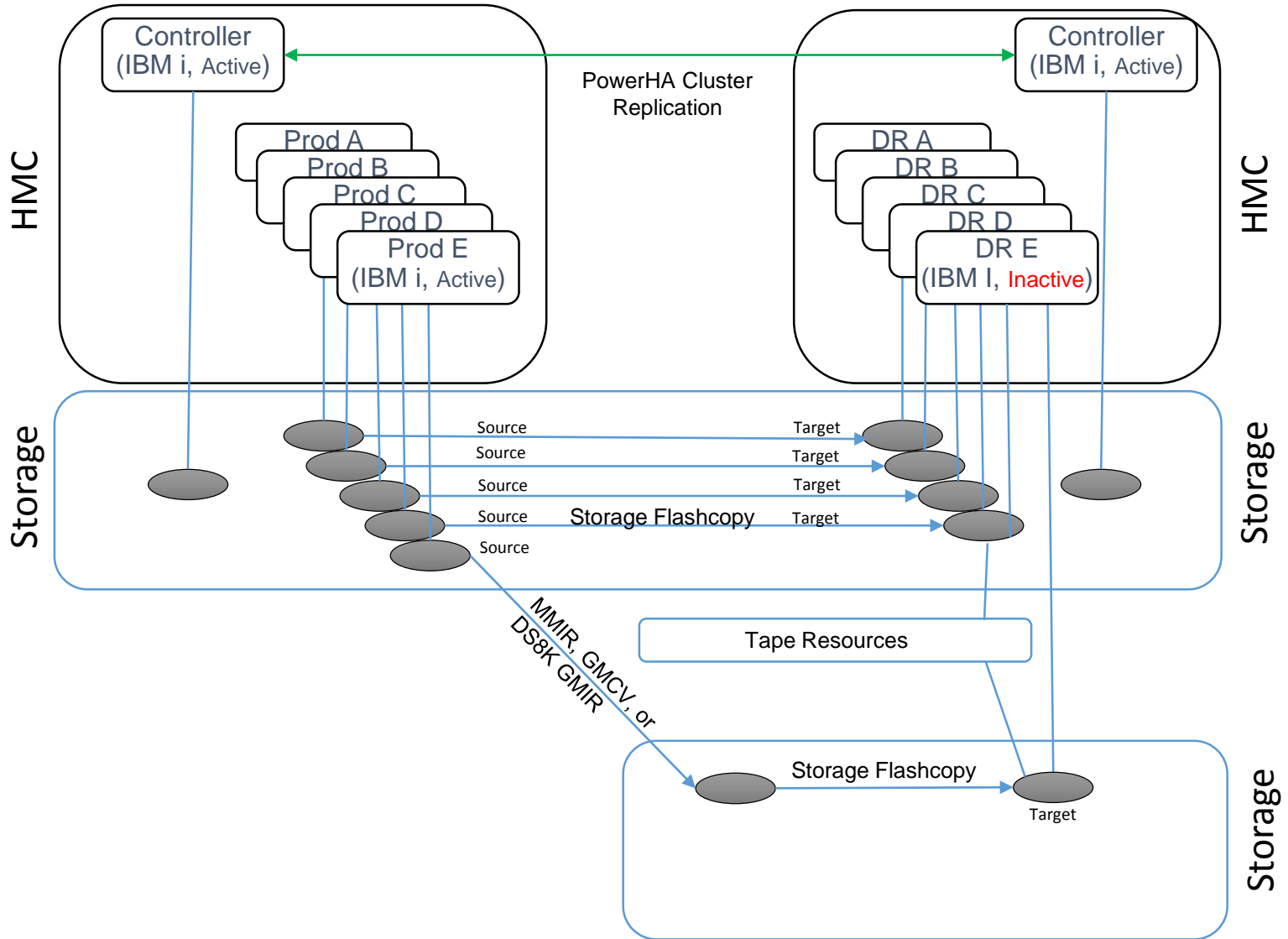
- Multiple controlling LPARs for redundancy and resiliency
- All data stored and transferred is encrypted
- BRMS Transfer is 3-5 times faster in 4.3
- Thousands of configurations
- Flashcopy can be triggered from controlling or source LPARs
- Simplified and improved interfaces and new commands for ease of use
- Less time required for deployment
- All communication is via IP addresses (no dependency on name resolution)
- Controller and Source toolkit code levels can be different for staging upgrades
- Improved platform for future features
- Integrated into same library (QZRDHASM) and release as IASP and Full System Replication Toolkits
- Use any DS8K user profile, not just QLPAR

IBM i Full System Copy Services Manager



Controlling LPAR with IP connection to production/backup LPARs, HMC and external storage is key to manage the Full System FlashCopy process as FlashCopy cannot be invoked from a quiesced or powered off production LPAR

Overview of Full System Flashcopy topography



IBM i Full System Copy Services Manager



Allows you to perform full system backups with minimal downtime

Requirements

- PowerHA Standard Edition licensed on the controlling LPARs
- IASP not required.
- Controlling LPAR (IBM i) required to manage the process. One controller can manage many source/target pairs.
- LPAR HMC or SDMC required (FSM, IVM and Blades without HMC are not supported)
- IBM i 7.1+
- Some features may not be supported by all storage types
- Source and Target LPARs must be on 100% external storage
- Virtual SCSI host connections are not supported
- 3rd party backup software is not supported but can usually be accommodated

Why IBM?

- Deep skills in IBM i implementation and integration.
- Experience in application architecture and design gained from thousands of engagements across many industries.
- Ability to deliver skills transfer as part of service engagement.
- Knowledgeable 24x7 Support

Who we are:

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Do you need more information?

To find out more about the IBM Full System Copy Services Manager for System i and other related products and services, contact your IBM Business Partner or contact an STG Lab Services Opportunity Manager in your location.

.Americas: Mike Gordon (mgordo@us.ibm.com, 507-253-3477)

.Europe: Virginie Cohen (VirginieCohen@fr.ibm.com, 33-4-9207 2049)

.Asia-Pacific: Jin-Ming Liu (jliu@us.ibm.com, +1 507-253-0391)