

## ❑ Container storage pool related Commands - 1 -

| Command  | Comments  | DC | CC-ON | CC-OFF |
|--|---|----|-------|--------|
| <b>Audit container</b>   | Scan contents of a <b>Container</b> to validate the integrity of the extents.<br><br>Remove damaged data from a <b>Cont.</b> Mark a <b>Container</b> as damaged<br><br><b>New in 8.1.10:</b> new action=unmarkdamaged (only DC)   | Y  | Y     | Y      |
| <b>Move container</b><br><br>New parameter:<br><b>DEFRAG= NO/YES</b> | Move contents of <u>ONE</u> <b>Container</b> to another <b>Container</b> or <b>consolidates containers</b> ( <b>NO</b> wildcard allowed!). A new <b>Cont.</b> is allocated & the old one will be deleted ( <b>NO delete container</b> cmd exist). <b>New in 8.1.4:</b> copy and <b>defrag</b> to an <b>existing</b> container – consolidate data and reclaim space. <b>New in 8.1.5:</b> def=YES. | Y  | Y     | Y      |
| <b>Query container</b>   | To display information about one or more <b>Container</b>   | Y  | Y     | Y      |
| <b>Query damaged</b>   | Display information about damaged data extents  | Y  | Y     | Y      |
| <b>Query extentupdates</b>   | Display infos about data extent updates & to check what data extents are deleted & what is eligible for deletion ( <b>background process</b> ).   | Y  | N     | N      |

**DC** =Directory **C**ontainer

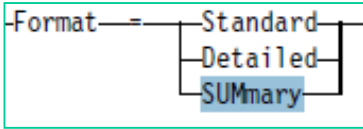
**CC-ON** =Cloud **C**ontainer **ON**-Premises

**P** =Possible

**CC-OFF** =Cloud **C**ontainer **OFF**-Premises

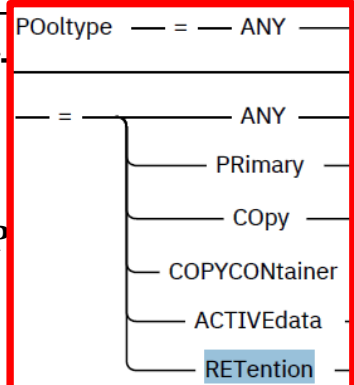
**M** =Mandatory

# ❑ Container storage pool related Commands - 2 -

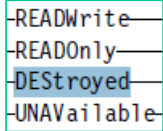
| Command  | Comments   | DC | CC-ON | CC-OFF |
|--|--|----|-------|--------|
| <b>Generate dedupstats</b>   | Generate dedup statistics for dedup performance. <b>New in 8.1.0:</b><br>Specify now <b>node_group</b> & <b>maxprocess</b> (def=4 (1-99))<br><b>New in 8.1.5:</b><br>you can specify a <b>description</b>  | Y  | Y     | Y      |
| <b>Delete dedupstats</b>   | Delete data deduplication statistics (the last record can not be deleted)  | Y  | Y     | Y      |
| <b>Query dedupstats</b>  | Display information about data deduplication<br><b>New in 8.1.5:</b><br><ul style="list-style-type: none"> <li>- You can specify individual <b>file spaces</b></li> <li>- you can specify <b>node_groups</b></li> <li>- you can specify a <b>reportid</b> (for a set of GENERATED data deduplication statistics)</li> <li>- you can specify a <b>description</b></li> <li>- you can specify a <b>summary</b> format</li> </ul>  | Y  | Y     | Y      |
| <b>Def container-copy storage pool</b><br><br>POOLTYPE=<br>COPYCONtainer | <b>New in 7.1.7:</b> Define a <b>Container-Copy</b> storage pool to protect chunks from a <b>Directory Container</b> storage pool. Only <u>physical</u> tape (devclass pool) is allowed. Use Repair stgpool to recover chunks.<br><b>New in 8.1.0:</b> new parameter <b>RECLAIMLimit: max. number of volumes</b> that the server reclaims <u>when you issue the PROTECT STGPOOL</u> cmd & specify <b>RECLAIM=YESLIMITED</b> or <b>RECLAIM=ONLYLIMITED</b>  | Y  | N     | N      |

# ❑ Container storage pool related Commands - 3 -

| Command                                   | Comments  | DC | CC-ON | CC-OFF |
|---|---|----|-------|--------|
| Def, Upd, Del, Q stgpools                 | Define, update, delete <b>Directory</b> -, <b>Cloud Container</b> or ( <b>New in 7.1.7</b> ) <b>Container-Copy</b> storage pools  | Y  | Y     | Y      |
| Stgpool parameter: "nextstg="             | <b>Overflow</b> storage, target can be legacy storage pool (random or seq prim) or <b>Cloud Container</b> . THIS is <b>NOT</b> an HIERARCHY definition.<br>→ <b>Operational Problem: How to bring back data from legacy „nextstg“ stgpool to container stgpool?</b> (may be migrate to separate file pool and convert)                          | Y  | N     | N      |
| Stgpool parameter: "compression=YES/no"   | <b>Container</b> storage pool LZ4 compression. ( <b>New in 7.1.5</b> )  | Y  | Y     | Y      |
| Stgpool parameter: "protectstgpool="      | Name of the <b>Directory Container</b> pool on the target replication server  | Y  | N     | N      |
| Stgpool parameter: "protectLOCALstgpools" | Name of the <b>Container-Copy</b> storage pool on a local server ( <b>New in 7.1.7</b> ). Must be <b>physical</b> tape device class   | Y  | N     | N      |
| Query stgpool                             | <b>New in 7.1.7:</b> Q stg <b>pooltype=COPYCON</b> - <b>Container-Copy</b> storage pool on a local server.<br><b>New in 8.1.8:</b> Q stg <b>pooltype=primary</b> Pool (can see also <b>stgtype= ColdDataCache</b> pool -for S3 Full Offload from SPP)<br><b>New in 8.1.10</b> Q stg <b>pooltype=RETENTION</b> (for retention sets on tape pool) |    |       |        |

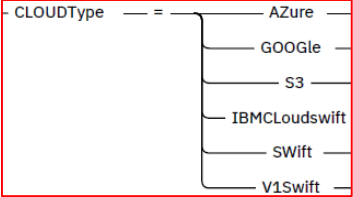


## ❑ Container storage pool related CMDs / Option - 4 -

| Command                                     | Comments   | DC | CC-ON | CC-OFF |
|---|--|----|-------|--------|
| Define stgpooldirectory                     | Define one or more directories in a <b>Directory Container</b> or <b>Cloud Container</b> storage pool  | Y  | Y *1) | Y *1)  |
| Query stgpooldirectory                      | Query directory status for a <b>Container</b> storage pool. <b>Hint:</b> Full path name is case sensitive with all stgpooldir cmds   | Y  | Y *1) | Y *1)  |
| Delete stgpooldirectory                     | To delete a definition for a <b>Container</b> storage pool directory   | Y  | Y *1) | Y *1)  |
| Upd stgpooldirectory                        | To update a storage pool directory access mode<br><br><b>New in 8.1.0:</b><br><br>MAXPRocess can be used if update to access= <b>destroyed</b> is used.<br><b>Range 1 – 99</b> def=4 (each container in one dir is updated by one child process).<br> | Y  | Y *1) | Y *1)  |
| OPTION:<br>EnableNASdedup (7.1.0)<br>NO/YES | NOW <b>New in 8.1.2:</b> also for Container Pools specifies whether the server deduplicates data that is stored by a network-attached storage (NAS) file server (except e.g. TOC, incr –snapdiff,snapmirror )  | Y  | Y     | Y      |

\*1) **new with 7.1.6, for cloud container pools:** define stgpooldirectory with dir parameter (**case sensitive**) used for cloud staging area, also called „Hybrid Cloud“

# ❑ Container storage pool related Commands - 5 –

| Command                                 | Comments   | DC | CC-ON | CC-OFF |
|---|--|----|-------|--------|
| Stgpool parameter:<br>„encrypt=„YES/no“ | Whether the server <b>encrypts</b> client data <b>before</b> the server writes the data to the <b>DIRECTORY</b> container storage pool ( <b>New in 8.1.2</b> ) - (with <b>Cloud Container</b> pools and <b>cloudlocation=offsite</b> , this was already mandatory with 7.1.3)  | Y  | Y     | Y      |
| <b>ENCRYPT STGPOOL</b>                  | encrypt data in a <b>Directory Container</b> or <b>Cloud Container</b> storage pool ( <b>New in 8.1.2</b> )  | Y  | Y     | Y      |
| <b>VALIDATE CLOUD</b>                   | <p><b>Before you define a Cloud pool</b>, use this command to ensure that the credentials for a cloud-container storage pool are valid and that the necessary permissions are granted to the user (<b>New in 8.1.2</b>)</p> <p><b>New in 8.1.10</b></p> <p>New Parameter <b>„Connection=„</b> to test Cloud Connection</p>  <p><b>if used for TSM/ISP Database Backup/Restore</b></p> <p>See also: Define, Delete, Update <b>Connection</b> commands</p> | -  | Y     | Y      |