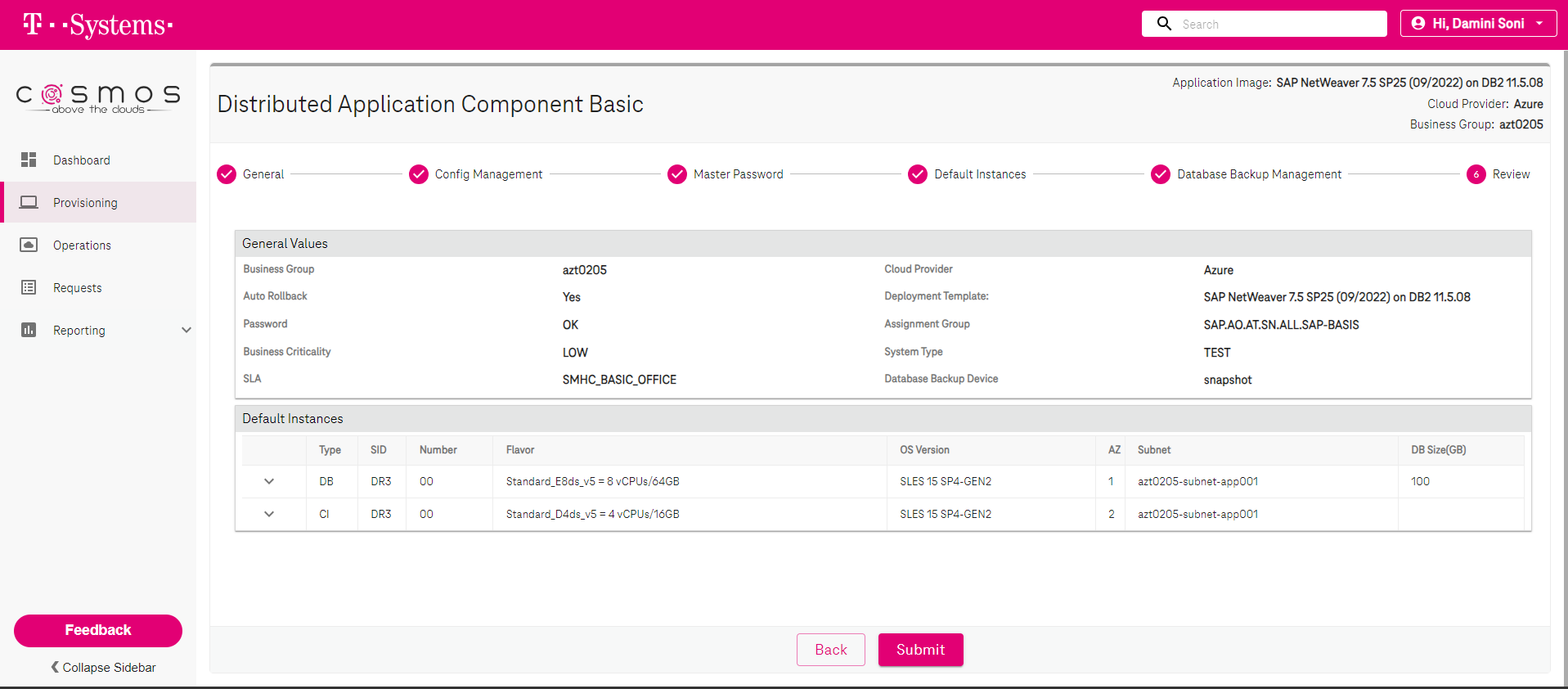
# Distributed Machine Deployment



aztdbdr30001:db2dr3 11> db2 backup db dr3

Backup successful. The timestamp for this backup image is : 20230918082403

Move it to /tmp with full permission.

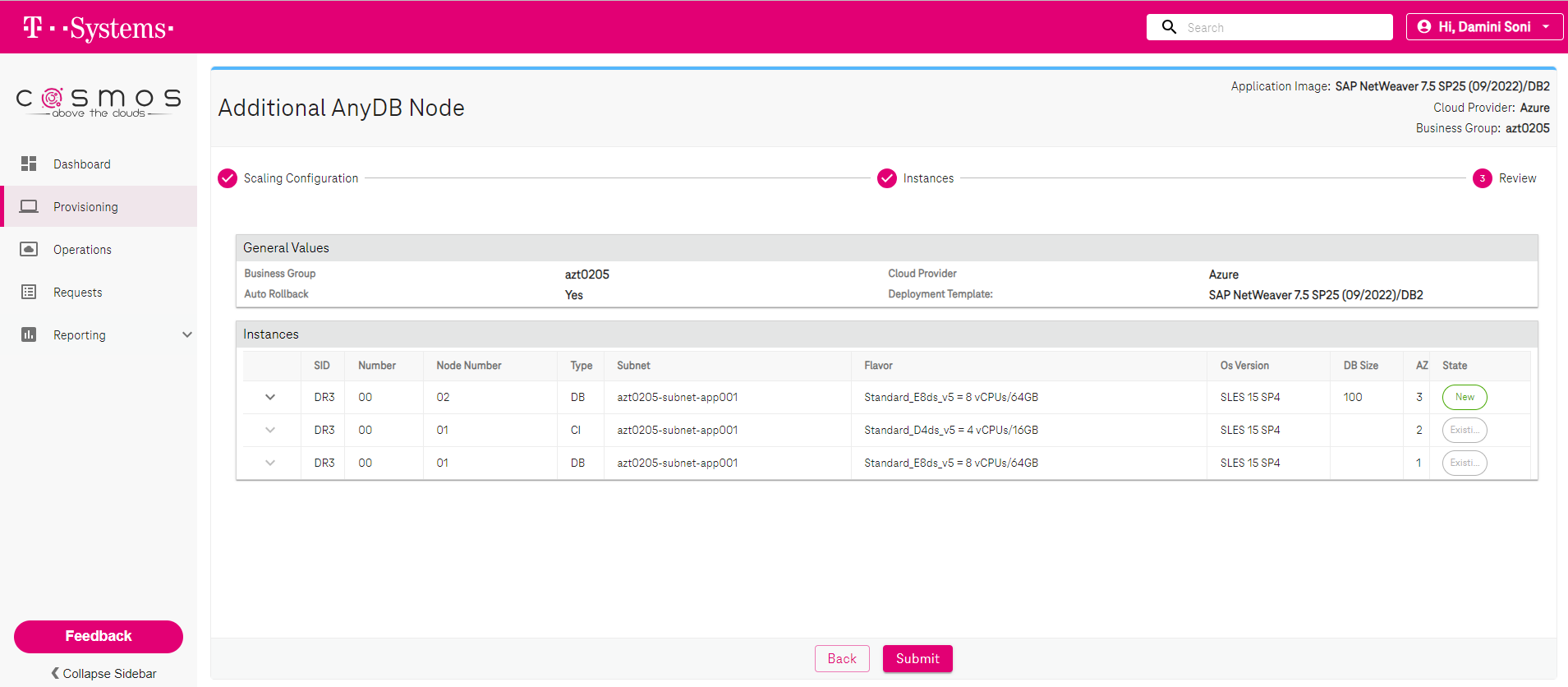
11:21:01 a200246669@sec0564:~$ xscp -r linux@aztdbdr30001.azt0205.azure.local:/tmp/DR3.0.db2dr3.DBPART000.20230918082403.001 linux@aztdbdr30002.azt0205.azure.local:/tmp/

Warning: Permanently added 'aztdbdr30001.azt0205.azure.local' (ECDSA) to the list of known hosts.

Warning: Permanently added 'aztdbdr30002.azt0205.azure.local' (ECDSA) to the list of known hosts.

11:39:30 a200246669@sec0564:~$

## Standby Database Machine Deployment



aztcidr30001.azt0205.azure.local

aztdbdr30001.azt0205.azure.local

aztdbdr30002.azt0205.azure.local

**On standby machine (**aztdbdr30002.azt0205.azure.local**):**

To set up the Standby database server by using the SAP homogeneous system copy procedure, execute these steps:

1. Select the **System copy** option > **Target systems** > **Distributed** > **Database instance**.
2. As a copy method, select **Homogeneous System** so that you can use backup to restore a backup on the standby server instance.
3. When you reach the exit step to restore the database for homogeneous system copy, exit the installer. Restore the database from a backup of the primary host. All subsequent installation phases have already been executed on the primary database server.
4. Set up HADR for IBM Db2.

>> When It asks to restore cancel the process and do further steps manually on standby machine.

**aztdbdr30002:db2dr3 7> db2pd -**

Database Member 0 -- Active -- Up 0 days 00:39:35 -- Date 2023-09-18-09.44.23.145559

**aztdbdr30002:db2dr3 8> db2 list db directory**

SQL1031N The database directory cannot be found on the indicated file system.

SQLSTATE=58031

**aztdbdr30002:db2dr3 10> db2 restore db dr3 from /tmp taken at 20230918082403**

DB20000I The RESTORE DATABASE command completed successfully.

**aztdbdr30002:~ # su - db2dr3**

**aztdbdr30002:db2dr3 11> db2 list db directory**

System Database Directory

Number of entries in the directory = 1

Database 1 entry:

Database alias = DR3

Database name = DR3

Local database directory = /db2/DR3

Database release level = 15.00

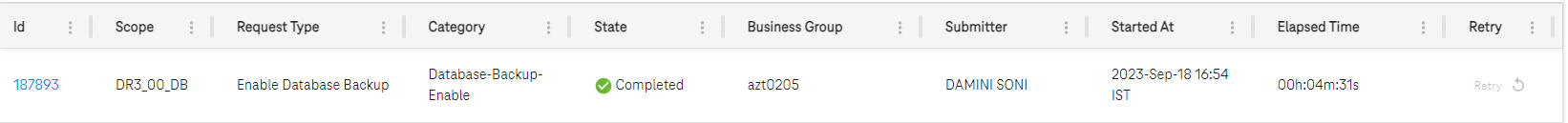
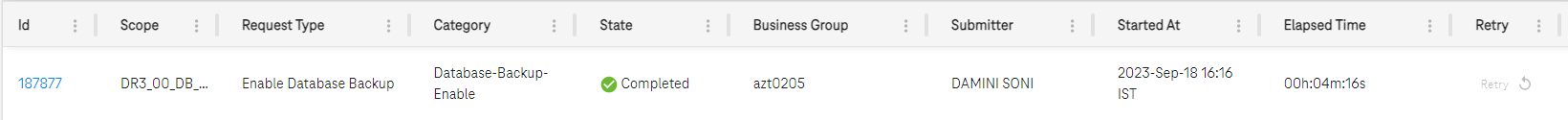
Comment = SAP database BK8

Directory entry type = Indirect

Catalog database partition number = 0

Alternate server hostname =

Alternate server port number =

>> Now Enable backup on both machines  
  
  
  


**aztdbdr30001:db2dr3 37> db2 UPDATE DB CFG FOR DR3 USING HADR\_LOCAL\_HOST aztdbdr30001.azt0205.azure.local**

DB20000I The UPDATE DATABASE CONFIGURATION command completed successfully.

**aztdbdr30001:db2dr3 38> db2 UPDATE DB CFG FOR DR3 USING HADR\_LOCAL\_SVC 50001**

DB20000I The UPDATE DATABASE CONFIGURATION command completed successfully.

**aztdbdr30001:db2dr3 39> db2 UPDATE DB CFG FOR DR3 USING HADR\_REMOTE\_HOST aztdbdr30002.azt0205.azure.local**

DB20000I The UPDATE DATABASE CONFIGURATION command completed successfully.

**aztdbdr30001:db2dr3 40> db2 UPDATE DB CFG FOR DR3 USING HADR\_REMOTE\_SVC 50002**

DB20000I The UPDATE DATABASE CONFIGURATION command completed successfully.

**aztdbdr30001:db2dr3 41> db2 UPDATE DB CFG FOR DR3 USING HADR\_REMOTE\_INST db2dr3**

DB20000I The UPDATE DATABASE CONFIGURATION command completed successfully.

**aztdbdr30001:db2dr3 42> db2 UPDATE DB CFG FOR DR3 USING HADR\_TIMEOUT 120**

DB20000I The UPDATE DATABASE CONFIGURATION command completed successfully.

**aztdbdr30001:db2dr3 43> db2 UPDATE DB CFG FOR DR3 USING HADR\_SYNCMODE SYNC**

DB20000I The UPDATE DATABASE CONFIGURATION command completed successfully.

**aztdbdr30001:db2dr3 44> db2 UPDATE DB CFG FOR DR3 USING HADR\_SPOOL\_LIMIT 1000**

DB20000I The UPDATE DATABASE CONFIGURATION command completed successfully.

**aztdbdr30001:db2dr3 45> db2 UPDATE DB CFG FOR DR3 USING HADR\_PEER\_WINDOW 240**

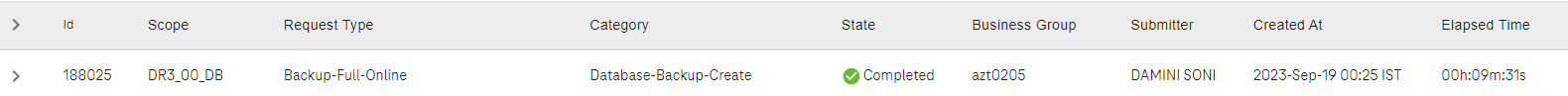
DB20000I The UPDATE DATABASE CONFIGURATION command completed successfully.

**aztdbdr30001:db2dr3 46> db2 UPDATE DB CFG FOR DR3 USING HADR\_PEER\_WINDOW 240**

DB20000I The UPDATE DATABASE CONFIGURATION command completed successfully.

**aztdbdr30001:db2dr3 69> db2 UPDATE DB CFG FOR DR3 USING indexrec RESTART logindexbuild ON**

DB20000I The UPDATE DATABASE CONFIGURATION command completed successfully.



## aztdbdr30001:dr3adm 31> cat /db2/DR3/sapbackup/gfaijufi.anf

XBR0001I XBR\*Backup Version 1.47.0005 T-Systems International GmbH

XBR0005I XBR\*Backup log file: '/db2/DR3/sapbackup/gfaijufi.anf'

XBR0300I Start of data backup for database instance: 'DR3' 2023-09-18 18.56.28

XBR0010I Parameters (Profiles):

Name Value

----------------------------------- -------------------------------------------------------------------------------------------------

archive\_copy\_dir az://azt0205/archivepool/aztdbdr30001

archive\_dir /db2/DR3/log\_archive

archive\_max\_loop\_count 20

az\_max\_connections 0

backup\_cons\_timeout 600

backup\_dev\_type snapshot

backup\_log\_dir /db2/DR3/sapbackup

backup\_longretention\_dir az://azt0205/backup/aztdbdr30001/xbrlong

backup\_root\_dir az://azt0205/backup/aztdbdr30001

backup\_type online

cleanup\_backup\_catalog yes

cleanup\_disk\_archive 37

cleanup\_disk\_backup 37

cleanup\_disk\_backup\_weekly 37

cleanup\_log 60

cmd\_line xbrbackup.pl -mode=full -type=online -retention\_policy=daily -snapshot\_transfer=yes

compress yes

compress\_cmd pigz -5

compress\_verify yes

compress\_verify\_backup no

compress\_verify\_cmd pigz -t

db2\_compress yes

db2\_databases DR3

db2\_logarchmeth 1, 2

dbhome /db2/DR3

dbsid DR3

dbtype DB2

disk\_backup\_parallel 8

exec\_parallel 1

history\_table SAPTOOLS.XBRHIST

init\_files /usr/sap/DR3/home/xbrTools/xbrTools\_1.47.0005/init.xbr, /usr/sap/DR3/home/xbrTools/initDR3.xbr

keep\_archive\_count 0

local\_backup\_dir /db2/DR3/localbackup

log\_dir /db2/DR3/sapbackup

logswitch\_interval 3300

mode full

perl\_interpreter /usr/bin/perl

perl\_version v5.26.1

process\_info 18065 db2dr3(32000)/db2dr3(32000) sapsys(200)/sapsys(200)

retention\_policy daily

snapshot\_interface publiccloud

snapshot\_retention\_primary 6

snapshot\_retention\_primary\_weekly 37

snapshot\_retention\_secondary 3

snapshot\_retention\_secondary\_weekly 3

snapshot\_svunsched yes

snapshot\_timeout 1200

snapshot\_transfer yes

snapshot\_transfer\_daily no

snapshot\_transfer\_project no

snapshot\_transfer\_timeout 46800

snapshot\_verify no

snapshot\_waittime 900

system\_info Linux aztdbdr30001 5.14.21-150400.24.28-default #1 SMP

temp\_dir /var/tmp

time\_zone UTC +0000

uncompress\_cmd pigz -d

userid\_info uid=32000(db2dr3) gid=200(sapsys) groups=200(sapsys),400(sapinst),31000(dbdr3adm),32000(dbdr3ctl)

XBR0199I Parameters (Database):

Name Value

------------------------------ -----------------------------------------

dbversion 11.5.7.0

logarchmeth1 DISK:/db2/DR3/log\_archive/

logarchmeth2 OFF

logfilsiz 20000

loghead S0000012.LOG

logpath /db2/DR3/log\_dir/NODE0000/LOGSTREAM0000/

logprimary 60

logsecond 0

XBR0034I Registered OS-Commands:

Command Path

------------------------------ -----------------------------------------

az /usr/bin/az

azcopy /usr/bin/azcopy

date /usr/bin/date

db2 /home/db2dr3/sqllib/bin/db2

db2cfexp /home/db2dr3/sqllib/bin/db2cfexp

db2dart /home/db2dr3/sqllib/adm/db2dart

db2start /home/db2dr3/sqllib/adm/db2start

db2stop /home/db2dr3/sqllib/adm/db2stop

dd /usr/bin/dd

getent /usr/bin/getent

hostname /usr/bin/hostname

id /usr/bin/id

pigz /usr/bin/pigz

tar /usr/bin/tar

uname /usr/bin/uname

XBR0065I History table name: 'SAPTOOLS.XBRHIST'

XBR0221I Force log switch for database 'DR3' 2023-09-18 18.56.36

DB20000I The ARCHIVE LOG command completed successfully.

XBR0055I Sleeping 15 seconds for completing logswitch 2023-09-18 18.56.37

XBR5020I List history for database 'DR3' 2023-09-18 18.56.56

PARTNO EID STARTTIME ENDTIME FIRSTLOG LASTLOG BACKUPID OPERATION OPTYPE

------ --- ------------------- ------------------- ------------ -------- ------------- --------- ------

0 319 2023-09-18 18:56:34 2023-09-18 18:56:38 S0000012.LOG C0000000 1,695,035,982 X D

0 320 2023-09-18 18:56:37 2023-09-18 18:56:41 S0000013.LOG C0000000 1,695,035,983 X D

XBR5025I List database paths for database 'DR3' 2023-09-18 18.56.56

DBPARTNO TYPE PATH

-------- ------------------ ---------------------------------------------

0 LOGPATH /db2/DR3/log\_dir/NODE0000/LOGSTREAM0000/

0 DB\_STORAGE\_PATH /db2/DR3/saptmp1/

0 DB\_STORAGE\_PATH /db2/DR3/sapdata1/

0 LOCAL\_DB\_DIRECTORY /db2/DR3/db2dr3/NODE0000/sqldbdir/

0 DBPATH /db2/DR3/db2dr3/NODE0000/SQL00001/

0 DBPATH /db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/

XBR5010I List of database container for database 'DR3' 2023-09-18 18.56.57

Container-Name Type Size [MB]

----------------------------------------------------------- --------------- ---------

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000000/C0000000.CAT FILE\_EXTENT\_TAG 736

/db2/DR3/saptmp1/db2dr3/NODE0000/DR3/T0000003/C0000000.TMP PATH 0

/db2/DR3/saptmp1/db2dr3/NODE0000/DR3/T0000004/C0000000.UTM PATH 0

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000005/C0000000.LRG FILE\_EXTENT\_TAG 32

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000006/C0000000.LRG FILE\_EXTENT\_TAG 32

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000007/C0000000.LRG FILE\_EXTENT\_TAG 32

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000008/C0000000.LRG FILE\_EXTENT\_TAG 32

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000009/C0000000.LRG FILE\_EXTENT\_TAG 32

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000010/C0000000.LRG FILE\_EXTENT\_TAG 32

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000011/C0000000.LRG FILE\_EXTENT\_TAG 32

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000012/C0000000.LRG FILE\_EXTENT\_TAG 224

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000013/C0000000.LRG FILE\_EXTENT\_TAG 192

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000014/C0000000.LRG FILE\_EXTENT\_TAG 96

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000015/C0000000.LRG FILE\_EXTENT\_TAG 352

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000016/C0000000.LRG FILE\_EXTENT\_TAG 416

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000017/C0000000.LRG FILE\_EXTENT\_TAG 32

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000018/C0000000.LRG FILE\_EXTENT\_TAG 640

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000019/C0000000.LRG FILE\_EXTENT\_TAG 384

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000020/C0000000.LRG FILE\_EXTENT\_TAG 3072

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000021/C0000000.LRG FILE\_EXTENT\_TAG 224

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000022/C0000000.LRG FILE\_EXTENT\_TAG 224

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000023/C0000000.LRG FILE\_EXTENT\_TAG 32

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000024/C0000000.LRG FILE\_EXTENT\_TAG 160

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000025/C0000000.LRG FILE\_EXTENT\_TAG 224

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000026/C0000000.LRG FILE\_EXTENT\_TAG 256

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000027/C0000000.LRG FILE\_EXTENT\_TAG 192

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000028/C0000000.LRG FILE\_EXTENT\_TAG 192

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000029/C0000000.LRG FILE\_EXTENT\_TAG 352

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000030/C0000000.LRG FILE\_EXTENT\_TAG 160

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000031/C0000000.LRG FILE\_EXTENT\_TAG 192

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000032/C0000000.LRG FILE\_EXTENT\_TAG 64

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000033/C0000000.LRG FILE\_EXTENT\_TAG 1344

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000034/C0000000.LRG FILE\_EXTENT\_TAG 160

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000035/C0000000.LRG FILE\_EXTENT\_TAG 32

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000036/C0000000.LRG FILE\_EXTENT\_TAG 352

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000037/C0000000.LRG FILE\_EXTENT\_TAG 448

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000038/C0000000.LRG FILE\_EXTENT\_TAG 288

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000039/C0000000.LRG FILE\_EXTENT\_TAG 352

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000040/C0000000.LRG FILE\_EXTENT\_TAG 256

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000041/C0000000.LRG FILE\_EXTENT\_TAG 32

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000042/C0000000.LRG FILE\_EXTENT\_TAG 128

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000043/C0000000.LRG FILE\_EXTENT\_TAG 160

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000044/C0000000.LRG FILE\_EXTENT\_TAG 64

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000045/C0000000.LRG FILE\_EXTENT\_TAG 352

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000046/C0000000.LRG FILE\_EXTENT\_TAG 576

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000047/C0000000.LRG FILE\_EXTENT\_TAG 128

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000048/C0000000.LRG FILE\_EXTENT\_TAG 192

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000049/C0000000.LRG FILE\_EXTENT\_TAG 288

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000050/C0000000.LRG FILE\_EXTENT\_TAG 1568

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000051/C0000000.LRG FILE\_EXTENT\_TAG 256

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000052/C0000000.LRG FILE\_EXTENT\_TAG 224

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000053/C0000000.LRG FILE\_EXTENT\_TAG 192

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000054/C0000000.LRG FILE\_EXTENT\_TAG 96

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000055/C0000000.LRG FILE\_EXTENT\_TAG 128

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000056/C0000000.LRG FILE\_EXTENT\_TAG 128

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000057/C0000000.LRG FILE\_EXTENT\_TAG 128

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000058/C0000000.LRG FILE\_EXTENT\_TAG 160

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000059/C0000000.LRG FILE\_EXTENT\_TAG 160

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000060/C0000000.LRG FILE\_EXTENT\_TAG 160

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000061/C0000000.LRG FILE\_EXTENT\_TAG 160

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000062/C0000000.LRG FILE\_EXTENT\_TAG 64

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000063/C0000000.LRG FILE\_EXTENT\_TAG 160

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000064/C0000000.LRG FILE\_EXTENT\_TAG 192

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000065/C0000000.LRG FILE\_EXTENT\_TAG 32

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000066/C0000000.LRG FILE\_EXTENT\_TAG 128

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000067/C0000000.LRG FILE\_EXTENT\_TAG 128

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000068/C0000000.LRG FILE\_EXTENT\_TAG 320

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000069/C0000000.LRG FILE\_EXTENT\_TAG 96

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000070/C0000000.LRG FILE\_EXTENT\_TAG 96

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000071/C0000000.LRG FILE\_EXTENT\_TAG 32

XBR5015I Export DBM configuration to '/db2/DR3/sapbackup/DBM.cfg'

XBR0310I Backup function: backup\_online\_snapshot

XBR0312I Files will be saved using snapshot interface: publiccloud

XBR0319I Database files for backup:

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000000/C0000000.CAT

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000005/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000006/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000007/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000008/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000009/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000010/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000011/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000012/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000013/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000014/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000015/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000016/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000017/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000018/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000019/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000020/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000021/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000022/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000023/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000024/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000025/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000026/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000027/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000028/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000029/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000030/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000031/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000032/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000033/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000034/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000035/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000036/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000037/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000038/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000039/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000040/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000041/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000042/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000043/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000044/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000045/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000046/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000047/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000048/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000049/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000050/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000051/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000052/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000053/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000054/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000055/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000056/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000057/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000058/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000059/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000060/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000061/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000062/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000063/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000064/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000065/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000066/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000067/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000068/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000069/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000070/C0000000.LRG

/db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000071/C0000000.LRG

XBR0314I 68 data files found for processing, total size 18400.000 MB

XBR5320I Flush all buffer pools 2023-09-18 18.57.01

XBR5322I Flush all buffer pools for database 'DR3' 2023-09-18 18.57.01

XBR5330I Flush all buffer pools for database 'DR3' completed 2023-09-18 18.57.02

XBR5300I Set write suspend mode 2023-09-18 18.57.02

XBR5302I Set write suspend for database 'DR3'

XBR0055I Sleeping 10 seconds after set write suspend 2023-09-18 18.57.03

XBR0334I List of backup state for database 'DR3' 2023-09-18 18.57.13

TBSP\_ID TBSP\_NAME TBSP\_TYPE TBSP\_CONTENT\_TYPE TBSP\_STATE

------- ---------------- --------- ----------------- -------------

0 SYSCATSPACE DMS ANY SUSPEND\_WRITE

3 PSAPTEMP16 SMS SYSTEMP SUSPEND\_WRITE

4 SYSTOOLSTMPSPACE SMS USRTEMP SUSPEND\_WRITE

5 SYSTOOLSPACE DMS LARGE SUSPEND\_WRITE

6 DR3#DIMD DMS LARGE SUSPEND\_WRITE

7 DR3#DIMI DMS LARGE SUSPEND\_WRITE

8 DR3#FACTD DMS LARGE SUSPEND\_WRITE

9 DR3#FACTI DMS LARGE SUSPEND\_WRITE

10 DR3#ODSD DMS LARGE SUSPEND\_WRITE

11 DR3#ODSI DMS LARGE SUSPEND\_WRITE

12 DR3#DATA@01D DMS LARGE SUSPEND\_WRITE

13 DR3#DATA@01I DMS LARGE SUSPEND\_WRITE

14 DR3#DATA@01L DMS LARGE SUSPEND\_WRITE

15 DR3#DATA@02D DMS LARGE SUSPEND\_WRITE

16 DR3#DATA@02I DMS LARGE SUSPEND\_WRITE

17 DR3#DATA@02L DMS LARGE SUSPEND\_WRITE

18 DR3#DATA@03D DMS LARGE SUSPEND\_WRITE

19 DR3#DATA@03I DMS LARGE SUSPEND\_WRITE

20 DR3#DATA@03L DMS LARGE SUSPEND\_WRITE

21 DR3#DATA@04D DMS LARGE SUSPEND\_WRITE

22 DR3#DATA@04I DMS LARGE SUSPEND\_WRITE

23 DR3#DATA@04L DMS LARGE SUSPEND\_WRITE

24 DR3#DATA@05D DMS LARGE SUSPEND\_WRITE

25 DR3#DATA@05I DMS LARGE SUSPEND\_WRITE

26 DR3#DATA@05L DMS LARGE SUSPEND\_WRITE

27 DR3#DATA@06D DMS LARGE SUSPEND\_WRITE

28 DR3#DATA@06I DMS LARGE SUSPEND\_WRITE

29 DR3#DATA@06L DMS LARGE SUSPEND\_WRITE

30 DR3#DATA@07D DMS LARGE SUSPEND\_WRITE

31 DR3#DATA@07I DMS LARGE SUSPEND\_WRITE

32 DR3#DATA@07L DMS LARGE SUSPEND\_WRITE

33 DR3#DATA@08D DMS LARGE SUSPEND\_WRITE

34 DR3#DATA@08I DMS LARGE SUSPEND\_WRITE

35 DR3#DATA@08L DMS LARGE SUSPEND\_WRITE

36 DR3#DATA@09D DMS LARGE SUSPEND\_WRITE

37 DR3#DATA@09I DMS LARGE SUSPEND\_WRITE

38 DR3#DATA@09L DMS LARGE SUSPEND\_WRITE

39 DR3#DATA@10D DMS LARGE SUSPEND\_WRITE

40 DR3#DATA@10I DMS LARGE SUSPEND\_WRITE

41 DR3#DATA@10L DMS LARGE SUSPEND\_WRITE

42 DR3#DATA@11D DMS LARGE SUSPEND\_WRITE

43 DR3#DATA@11I DMS LARGE SUSPEND\_WRITE

44 DR3#DATA@11L DMS LARGE SUSPEND\_WRITE

45 DR3#DATA@12D DMS LARGE SUSPEND\_WRITE

46 DR3#DATA@12I DMS LARGE SUSPEND\_WRITE

47 DR3#DATA@12L DMS LARGE SUSPEND\_WRITE

48 DR3#DATA@13D DMS LARGE SUSPEND\_WRITE

49 DR3#DATA@13I DMS LARGE SUSPEND\_WRITE

50 DR3#DATA@13L DMS LARGE SUSPEND\_WRITE

51 DR3#DATA@14D DMS LARGE SUSPEND\_WRITE

52 DR3#DATA@14I DMS LARGE SUSPEND\_WRITE

53 DR3#DATA@14L DMS LARGE SUSPEND\_WRITE

54 DR3#DATA@15D DMS LARGE SUSPEND\_WRITE

55 DR3#DATA@15I DMS LARGE SUSPEND\_WRITE

56 DR3#DATA@15L DMS LARGE SUSPEND\_WRITE

57 DR3#DATA@16D DMS LARGE SUSPEND\_WRITE

58 DR3#DATA@16I DMS LARGE SUSPEND\_WRITE

59 DR3#DATA@16L DMS LARGE SUSPEND\_WRITE

60 DR3#DATA@17D DMS LARGE SUSPEND\_WRITE

61 DR3#DATA@17I DMS LARGE SUSPEND\_WRITE

62 DR3#DATA@17L DMS LARGE SUSPEND\_WRITE

63 DR3#DATA@18D DMS LARGE SUSPEND\_WRITE

64 DR3#DATA@18I DMS LARGE SUSPEND\_WRITE

65 DR3#DATA@18L DMS LARGE SUSPEND\_WRITE

66 DR3#DATA@19D DMS LARGE SUSPEND\_WRITE

67 DR3#DATA@19I DMS LARGE SUSPEND\_WRITE

68 DR3#DATA@19L DMS LARGE SUSPEND\_WRITE

69 DR3#DATA@20D DMS LARGE SUSPEND\_WRITE

70 DR3#DATA@20I DMS LARGE SUSPEND\_WRITE

71 DR3#DATA@20L DMS LARGE SUSPEND\_WRITE

XBR0335I Checking backup status 'ON'

XBR0337I All tablespaces are in correct status

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000000C0000000.CAT /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000000/C0000000.CAT 2023-09-18 15.50.44 771751936 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000005C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000005/C0000000.LRG 2023-09-18 15.50.44 33554432 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000006C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000006/C0000000.LRG 2023-09-18 13.28.05 33554432 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000007C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000007/C0000000.LRG 2023-09-14 11.11.47 33554432 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000008C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000008/C0000000.LRG 2023-09-14 11.11.47 33554432 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000009C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000009/C0000000.LRG 2023-09-14 11.11.47 33554432 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000010C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000010/C0000000.LRG 2023-09-14 11.11.47 33554432 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000011C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000011/C0000000.LRG 2023-09-14 11.11.47 33554432 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000012C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000012/C0000000.LRG 2023-09-18 15.56.22 234881024 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000013C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000013/C0000000.LRG 2023-09-18 15.56.22 201326592 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000014C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000014/C0000000.LRG 2023-09-14 11.11.47 100663296 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000015C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000015/C0000000.LRG 2023-09-14 11.11.47 369098752 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000016C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000016/C0000000.LRG 2023-09-14 11.11.47 436207616 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000017C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000017/C0000000.LRG 2023-09-14 11.11.47 33554432 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000018C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000018/C0000000.LRG 2023-09-18 15.28.05 671088640 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000019C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000019/C0000000.LRG 2023-09-18 15.50.44 402653184 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000020C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000020/C0000000.LRG 2023-09-18 12.23.54 3221225472 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000021C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000021/C0000000.LRG 2023-09-18 15.50.44 234881024 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000022C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000022/C0000000.LRG 2023-09-18 11.17.23 234881024 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000023C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000023/C0000000.LRG 2023-09-14 11.11.47 33554432 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000024C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000024/C0000000.LRG 2023-09-18 15.50.44 167772160 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000025C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000025/C0000000.LRG 2023-09-18 15.50.44 234881024 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000026C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000026/C0000000.LRG 2023-09-14 11.11.47 268435456 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000027C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000027/C0000000.LRG 2023-09-18 11.25.55 201326592 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000028C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000028/C0000000.LRG 2023-09-18 11.25.55 201326592 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000029C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000029/C0000000.LRG 2023-09-14 11.11.47 369098752 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000030C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000030/C0000000.LRG 2023-09-18 11.27.30 167772160 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000031C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000031/C0000000.LRG 2023-09-18 11.27.30 201326592 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000032C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000032/C0000000.LRG 2023-09-14 11.11.47 67108864 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000033C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000033/C0000000.LRG 2023-09-18 11.17.23 1409286144 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000034C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000034/C0000000.LRG 2023-09-18 11.17.23 167772160 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000035C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000035/C0000000.LRG 2023-09-14 11.51.17 33554432 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000036C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000036/C0000000.LRG 2023-09-18 11.25.55 369098752 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000037C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000037/C0000000.LRG 2023-09-18 11.17.23 469762048 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000038C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000038/C0000000.LRG 2023-09-14 11.11.47 301989888 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000039C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000039/C0000000.LRG 2023-09-18 15.50.44 369098752 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000040C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000040/C0000000.LRG 2023-09-18 15.50.44 268435456 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000041C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000041/C0000000.LRG 2023-09-14 11.11.47 33554432 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000042C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000042/C0000000.LRG 2023-09-14 11.45.11 134217728 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000043C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000043/C0000000.LRG 2023-09-14 11.45.11 167772160 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000044C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000044/C0000000.LRG 2023-09-14 11.11.47 67108864 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000045C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000045/C0000000.LRG 2023-09-18 11.17.23 369098752 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000046C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000046/C0000000.LRG 2023-09-18 11.17.23 603979776 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000047C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000047/C0000000.LRG 2023-09-14 11.11.47 134217728 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000048C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000048/C0000000.LRG 2023-09-14 11.11.47 201326592 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000049C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000049/C0000000.LRG 2023-09-14 11.11.47 301989888 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000050C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000050/C0000000.LRG 2023-09-14 11.11.47 1644167168 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000051C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000051/C0000000.LRG 2023-09-18 11.17.23 268435456 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000052C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000052/C0000000.LRG 2023-09-18 11.17.23 234881024 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000053C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000053/C0000000.LRG 2023-09-14 11.11.47 201326592 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000054C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000054/C0000000.LRG 2023-09-14 11.11.47 100663296 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000055C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000055/C0000000.LRG 2023-09-14 11.11.47 134217728 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000056C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000056/C0000000.LRG 2023-09-14 11.11.47 134217728 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000057C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000057/C0000000.LRG 2023-09-18 15.50.44 134217728 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000058C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000058/C0000000.LRG 2023-09-18 11.25.55 167772160 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000059C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000059/C0000000.LRG 2023-09-14 11.11.47 167772160 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000060C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000060/C0000000.LRG 2023-09-14 11.11.47 167772160 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000061C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000061/C0000000.LRG 2023-09-14 11.11.47 167772160 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000062C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000062/C0000000.LRG 2023-09-14 11.11.47 67108864 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000063C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000063/C0000000.LRG 2023-09-14 11.51.17 167772160 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000064C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000064/C0000000.LRG 2023-09-14 11.11.47 201326592 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000065C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000065/C0000000.LRG 2023-09-14 11.11.47 33554432 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000066C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000066/C0000000.LRG 2023-09-18 11.17.23 134217728 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000067C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000067/C0000000.LRG 2023-09-18 11.17.23 134217728 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000068C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000068/C0000000.LRG 2023-09-18 11.17.23 335544320 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000069C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000069/C0000000.LRG 2023-09-18 11.25.55 100663296 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000070C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000070/C0000000.LRG 2023-09-14 11.51.17 100663296 0 0 0

XBR0610I #BACKUP....... 20230918185624\_DR3N0000T0000071C0000000.LRG /db2/DR3/sapdata1/db2dr3/NODE0000/DR3/T0000071/C0000000.LRG 2023-09-14 11.11.47 33554432 0 0 0

SNP0220I Create snapshot '20230918185624' 2023-09-18 18.57.16

SNP0053I Executing cmd 'sudo /usr/local/platform/bin/iaas.py --cfg ~/DR3 --mode application --action create\_snapshot --jobid XBR\_DR3\_20230918185624 --retention 6 (timeout 20 min)'

2023-09-18 18:57:20,982 - INFO - Authenticate against the Azure API with the stored certificate.

2023-09-18 18:57:22,187 - INFO - Iaas Tool Storage Provider Version (AzureDisk): 1.2.9

2023-09-18 18:57:22,187 - INFO - Create a new snapshot

2023-09-18 18:58:08,246 - INFO - Done!

2023-09-18 18:58:08,246 - INFO - Result:

2023-09-18 18:58:08,246 - INFO - Mode: application

2023-09-18 18:58:08,246 - INFO - Result: ok

2023-09-18 18:58:08,246 - INFO - Job ID: XBR\_DR3\_20230918185624

2023-09-18 18:58:08,246 - INFO - Snapshots:

2023-09-18 18:58:08,246 - INFO - Snapshot: aztdbdr30001-vgadb\_h\_d-0000-XBR\_DR3\_20230918185624

2023-09-18 18:58:08,246 - INFO - Resource group: azt0205-dr3

2023-09-18 18:58:08,246 - INFO - Create date: 2023-09-18T18:57:53.977174+00:00

2023-09-18 18:58:08,246 - INFO - Expiration date: 20230924185722

2023-09-18 18:58:08,246 - INFO - Snapshot: aztdbdr30001-vgadb\_h\_d-0001-XBR\_DR3\_20230918185624

2023-09-18 18:58:08,247 - INFO - Resource group: azt0205-dr3

2023-09-18 18:58:08,247 - INFO - Create date: 2023-09-18T18:57:57.820905+00:00

2023-09-18 18:58:08,247 - INFO - Expiration date: 20230924185722

2023-09-18 18:58:08,247 - INFO - Snapshot: aztdbdr30001-vgadb\_h\_d-0002-XBR\_DR3\_20230918185624

2023-09-18 18:58:08,247 - INFO - Resource group: azt0205-dr3

2023-09-18 18:58:08,247 - INFO - Create date: 2023-09-18T18:58:01.664634+00:00

2023-09-18 18:58:08,247 - INFO - Expiration date: 20230924185722

2023-09-18 18:58:08,247 - INFO - Snapshot: aztdbdr30001-vgadb\_h\_d-0003-XBR\_DR3\_20230918185624

2023-09-18 18:58:08,247 - INFO - Resource group: azt0205-dr3

2023-09-18 18:58:08,247 - INFO - Create date: 2023-09-18T18:58:05.508365+00:00

2023-09-18 18:58:08,247 - INFO - Expiration date: 20230924185722

SNP0999I XBR\*Snapshot command 'create\_snapshot' using 'publiccloud' finished with RC=0 2023-09-18 18.58.08

XBR5030I Backing up DB2 instance directories for database 'DR3' 2023-09-18 18.58.08

XBR5035I Add directory '/db2/DR3/db2dr3/NODE0000/SQL00001/' to tar archive '/db2/DR3/sapbackup/DR3\_db2\_home.tar'

XBR5035I Add directory '/db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/' to tar archive '/db2/DR3/sapbackup/DR3\_db2\_home.tar'

XBR5035I Add directory '/db2/DR3/db2dr3/NODE0000/sqldbdir/' to tar archive '/db2/DR3/sapbackup/DR3\_db2\_home.tar'

XBR0102I Compressing '/db2/DR3/sapbackup/DR3\_db2\_home.tar'

XBR0103I to '/db2/DR3/sapbackup/DR3\_db2\_home.tar.Z'... 2023-09-18 18.58.08

XBR0106I Verifying compressed file '/db2/DR3/sapbackup/DR3\_db2\_home.tar.Z'... 2023-09-18 18.58.08

XBR0108I Verify compressed file '/db2/DR3/sapbackup/DR3\_db2\_home.tar.Z' succeeded 2023-09-18 18.58.08

XBR5040I DB2 instance directories for database 'DR3' backed up in tar archive '/db2/DR3/sapbackup/DR3\_db2\_home.tar.Z' 2023-09-18 18.58.08

XBR0055I Sleeping 10 seconds before set write resume 2023-09-18 18.58.08

XBR5310I Set write resume 2023-09-18 18.58.18

XBR5312I Set write resume for database 'DR3'

XBR0334I List of backup state for database 'DR3' 2023-09-18 18.58.19

TBSP\_ID TBSP\_NAME TBSP\_TYPE TBSP\_CONTENT\_TYPE TBSP\_STATE

------- ---------------- --------- ----------------- ----------

0 SYSCATSPACE DMS ANY NORMAL

3 PSAPTEMP16 SMS SYSTEMP NORMAL

4 SYSTOOLSTMPSPACE SMS USRTEMP NORMAL

5 SYSTOOLSPACE DMS LARGE NORMAL

6 DR3#DIMD DMS LARGE NORMAL

7 DR3#DIMI DMS LARGE NORMAL

8 DR3#FACTD DMS LARGE NORMAL

9 DR3#FACTI DMS LARGE NORMAL

10 DR3#ODSD DMS LARGE NORMAL

11 DR3#ODSI DMS LARGE NORMAL

12 DR3#DATA@01D DMS LARGE NORMAL

13 DR3#DATA@01I DMS LARGE NORMAL

14 DR3#DATA@01L DMS LARGE NORMAL

15 DR3#DATA@02D DMS LARGE NORMAL

16 DR3#DATA@02I DMS LARGE NORMAL

17 DR3#DATA@02L DMS LARGE NORMAL

18 DR3#DATA@03D DMS LARGE NORMAL

19 DR3#DATA@03I DMS LARGE NORMAL

20 DR3#DATA@03L DMS LARGE NORMAL

21 DR3#DATA@04D DMS LARGE NORMAL

22 DR3#DATA@04I DMS LARGE NORMAL

23 DR3#DATA@04L DMS LARGE NORMAL

24 DR3#DATA@05D DMS LARGE NORMAL

25 DR3#DATA@05I DMS LARGE NORMAL

26 DR3#DATA@05L DMS LARGE NORMAL

27 DR3#DATA@06D DMS LARGE NORMAL

28 DR3#DATA@06I DMS LARGE NORMAL

29 DR3#DATA@06L DMS LARGE NORMAL

30 DR3#DATA@07D DMS LARGE NORMAL

31 DR3#DATA@07I DMS LARGE NORMAL

32 DR3#DATA@07L DMS LARGE NORMAL

33 DR3#DATA@08D DMS LARGE NORMAL

34 DR3#DATA@08I DMS LARGE NORMAL

35 DR3#DATA@08L DMS LARGE NORMAL

36 DR3#DATA@09D DMS LARGE NORMAL

37 DR3#DATA@09I DMS LARGE NORMAL

38 DR3#DATA@09L DMS LARGE NORMAL

39 DR3#DATA@10D DMS LARGE NORMAL

40 DR3#DATA@10I DMS LARGE NORMAL

41 DR3#DATA@10L DMS LARGE NORMAL

42 DR3#DATA@11D DMS LARGE NORMAL

43 DR3#DATA@11I DMS LARGE NORMAL

44 DR3#DATA@11L DMS LARGE NORMAL

45 DR3#DATA@12D DMS LARGE NORMAL

46 DR3#DATA@12I DMS LARGE NORMAL

47 DR3#DATA@12L DMS LARGE NORMAL

48 DR3#DATA@13D DMS LARGE NORMAL

49 DR3#DATA@13I DMS LARGE NORMAL

50 DR3#DATA@13L DMS LARGE NORMAL

51 DR3#DATA@14D DMS LARGE NORMAL

52 DR3#DATA@14I DMS LARGE NORMAL

53 DR3#DATA@14L DMS LARGE NORMAL

54 DR3#DATA@15D DMS LARGE NORMAL

55 DR3#DATA@15I DMS LARGE NORMAL

56 DR3#DATA@15L DMS LARGE NORMAL

57 DR3#DATA@16D DMS LARGE NORMAL

58 DR3#DATA@16I DMS LARGE NORMAL

59 DR3#DATA@16L DMS LARGE NORMAL

60 DR3#DATA@17D DMS LARGE NORMAL

61 DR3#DATA@17I DMS LARGE NORMAL

62 DR3#DATA@17L DMS LARGE NORMAL

63 DR3#DATA@18D DMS LARGE NORMAL

64 DR3#DATA@18I DMS LARGE NORMAL

65 DR3#DATA@18L DMS LARGE NORMAL

66 DR3#DATA@19D DMS LARGE NORMAL

67 DR3#DATA@19I DMS LARGE NORMAL

68 DR3#DATA@19L DMS LARGE NORMAL

69 DR3#DATA@20D DMS LARGE NORMAL

70 DR3#DATA@20I DMS LARGE NORMAL

71 DR3#DATA@20L DMS LARGE NORMAL

XBR0335I Checking backup status 'OFF'

XBR0337I All tablespaces are in correct status

XBR0221I Force log switch for database 'DR3' 2023-09-18 18.58.21

DB20000I The ARCHIVE LOG command completed successfully.

XBR0055I Sleeping 15 seconds for completing logswitch 2023-09-18 18.58.22

XBR5020I List history for database 'DR3' 2023-09-18 18.58.41

PARTNO EID STARTTIME ENDTIME FIRSTLOG LASTLOG BACKUPID OPERATION OPTYPE

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0 319 2023-09-18 18:56:34 2023-09-18 18:56:38 S0000012.LOG C0000000 1,695,035,982 X D

0 320 2023-09-18 18:56:37 2023-09-18 18:56:41 S0000013.LOG C0000000 1,695,035,983 X D

0 322 2023-09-18 18:57:03 2023-09-18 18:57:03 S0000014.LOG C0000000 1,695,035,984 X D

0 323 2023-09-18 18:57:03 2023-09-18 18:58:23 S0000015.LOG C0000000 1,695,035,985 X D

0 324 2023-09-18 18:58:22 2023-09-18 18:58:26 S0000016.LOG C0000000 1,695,035,986 X D

XBR0317I Add data files into backup statistic without verify of timestamps 2023-09-18 18.58.41

XBR0315I 1 of 68 data files processed - 736.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000000C0000000.CAT 20230918185624 2023-09-18 15.50.44 771751936 20230918185624

XBR0315I 2 of 68 data files processed - 768.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000005C0000000.LRG 20230918185624 2023-09-18 15.50.44 33554432 20230918185624

XBR0315I 3 of 68 data files processed - 800.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000006C0000000.LRG 20230918185624 2023-09-18 18.56.41 33554432 20230918185624

XBR0315I 4 of 68 data files processed - 832.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000007C0000000.LRG 20230918185624 2023-09-14 11.11.47 33554432 20230918185624

XBR0315I 5 of 68 data files processed - 864.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000008C0000000.LRG 20230918185624 2023-09-14 11.11.47 33554432 20230918185624

XBR0315I 6 of 68 data files processed - 896.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000009C0000000.LRG 20230918185624 2023-09-14 11.11.47 33554432 20230918185624

XBR0315I 7 of 68 data files processed - 928.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000010C0000000.LRG 20230918185624 2023-09-14 11.11.47 33554432 20230918185624

XBR0315I 8 of 68 data files processed - 960.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000011C0000000.LRG 20230918185624 2023-09-14 11.11.47 33554432 20230918185624

XBR0315I 9 of 68 data files processed - 1184.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000012C0000000.LRG 20230918185624 2023-09-18 15.56.22 234881024 20230918185624

XBR0315I 10 of 68 data files processed - 1376.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000013C0000000.LRG 20230918185624 2023-09-18 15.56.22 201326592 20230918185624

XBR0315I 11 of 68 data files processed - 1472.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000014C0000000.LRG 20230918185624 2023-09-14 11.11.47 100663296 20230918185624

XBR0315I 12 of 68 data files processed - 1824.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000015C0000000.LRG 20230918185624 2023-09-14 11.11.47 369098752 20230918185624

XBR0315I 13 of 68 data files processed - 2240.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000016C0000000.LRG 20230918185624 2023-09-14 11.11.47 436207616 20230918185624

XBR0315I 14 of 68 data files processed - 2272.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000017C0000000.LRG 20230918185624 2023-09-14 11.11.47 33554432 20230918185624

XBR0315I 15 of 68 data files processed - 2912.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000018C0000000.LRG 20230918185624 2023-09-18 15.28.05 671088640 20230918185624

XBR0315I 16 of 68 data files processed - 3296.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000019C0000000.LRG 20230918185624 2023-09-18 15.50.44 402653184 20230918185624

XBR0315I 17 of 68 data files processed - 6368.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000020C0000000.LRG 20230918185624 2023-09-18 12.23.54 3221225472 20230918185624

XBR0315I 18 of 68 data files processed - 6592.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000021C0000000.LRG 20230918185624 2023-09-18 15.50.44 234881024 20230918185624

XBR0315I 19 of 68 data files processed - 6816.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000022C0000000.LRG 20230918185624 2023-09-18 11.17.23 234881024 20230918185624

XBR0315I 20 of 68 data files processed - 6848.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000023C0000000.LRG 20230918185624 2023-09-14 11.11.47 33554432 20230918185624

XBR0315I 21 of 68 data files processed - 7008.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000024C0000000.LRG 20230918185624 2023-09-18 15.50.44 167772160 20230918185624

XBR0315I 22 of 68 data files processed - 7232.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000025C0000000.LRG 20230918185624 2023-09-18 15.50.44 234881024 20230918185624

XBR0315I 23 of 68 data files processed - 7488.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000026C0000000.LRG 20230918185624 2023-09-14 11.11.47 268435456 20230918185624

XBR0315I 24 of 68 data files processed - 7680.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000027C0000000.LRG 20230918185624 2023-09-18 11.25.55 201326592 20230918185624

XBR0315I 25 of 68 data files processed - 7872.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000028C0000000.LRG 20230918185624 2023-09-18 11.25.55 201326592 20230918185624

XBR0315I 26 of 68 data files processed - 8224.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000029C0000000.LRG 20230918185624 2023-09-14 11.11.47 369098752 20230918185624

XBR0315I 27 of 68 data files processed - 8384.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000030C0000000.LRG 20230918185624 2023-09-18 11.27.30 167772160 20230918185624

XBR0315I 28 of 68 data files processed - 8576.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000031C0000000.LRG 20230918185624 2023-09-18 11.27.30 201326592 20230918185624

XBR0315I 29 of 68 data files processed - 8640.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000032C0000000.LRG 20230918185624 2023-09-14 11.11.47 67108864 20230918185624

XBR0315I 30 of 68 data files processed - 9984.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000033C0000000.LRG 20230918185624 2023-09-18 11.17.23 1409286144 20230918185624

XBR0315I 31 of 68 data files processed - 10144.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000034C0000000.LRG 20230918185624 2023-09-18 11.17.23 167772160 20230918185624

XBR0315I 32 of 68 data files processed - 10176.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000035C0000000.LRG 20230918185624 2023-09-14 11.51.17 33554432 20230918185624

XBR0315I 33 of 68 data files processed - 10528.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000036C0000000.LRG 20230918185624 2023-09-18 11.25.55 369098752 20230918185624

XBR0315I 34 of 68 data files processed - 10976.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000037C0000000.LRG 20230918185624 2023-09-18 11.17.23 469762048 20230918185624

XBR0315I 35 of 68 data files processed - 11264.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000038C0000000.LRG 20230918185624 2023-09-14 11.11.47 301989888 20230918185624

XBR0315I 36 of 68 data files processed - 11616.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000039C0000000.LRG 20230918185624 2023-09-18 15.50.44 369098752 20230918185624

XBR0315I 37 of 68 data files processed - 11872.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000040C0000000.LRG 20230918185624 2023-09-18 15.50.44 268435456 20230918185624

XBR0315I 38 of 68 data files processed - 11904.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000041C0000000.LRG 20230918185624 2023-09-14 11.11.47 33554432 20230918185624

XBR0315I 39 of 68 data files processed - 12032.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000042C0000000.LRG 20230918185624 2023-09-14 11.45.11 134217728 20230918185624

XBR0315I 40 of 68 data files processed - 12192.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000043C0000000.LRG 20230918185624 2023-09-14 11.45.11 167772160 20230918185624

XBR0315I 41 of 68 data files processed - 12256.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000044C0000000.LRG 20230918185624 2023-09-14 11.11.47 67108864 20230918185624

XBR0315I 42 of 68 data files processed - 12608.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000045C0000000.LRG 20230918185624 2023-09-18 11.17.23 369098752 20230918185624

XBR0315I 43 of 68 data files processed - 13184.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000046C0000000.LRG 20230918185624 2023-09-18 11.17.23 603979776 20230918185624

XBR0315I 44 of 68 data files processed - 13312.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000047C0000000.LRG 20230918185624 2023-09-14 11.11.47 134217728 20230918185624

XBR0315I 45 of 68 data files processed - 13504.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000048C0000000.LRG 20230918185624 2023-09-14 11.11.47 201326592 20230918185624

XBR0315I 46 of 68 data files processed - 13792.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000049C0000000.LRG 20230918185624 2023-09-14 11.11.47 301989888 20230918185624

XBR0315I 47 of 68 data files processed - 15360.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000050C0000000.LRG 20230918185624 2023-09-14 11.11.47 1644167168 20230918185624

XBR0315I 48 of 68 data files processed - 15616.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000051C0000000.LRG 20230918185624 2023-09-18 11.17.23 268435456 20230918185624

XBR0315I 49 of 68 data files processed - 15840.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000052C0000000.LRG 20230918185624 2023-09-18 11.17.23 234881024 20230918185624

XBR0315I 50 of 68 data files processed - 16032.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000053C0000000.LRG 20230918185624 2023-09-14 11.11.47 201326592 20230918185624

XBR0315I 51 of 68 data files processed - 16128.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000054C0000000.LRG 20230918185624 2023-09-14 11.11.47 100663296 20230918185624

XBR0315I 52 of 68 data files processed - 16256.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000055C0000000.LRG 20230918185624 2023-09-14 11.11.47 134217728 20230918185624

XBR0315I 53 of 68 data files processed - 16384.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000056C0000000.LRG 20230918185624 2023-09-14 11.11.47 134217728 20230918185624

XBR0315I 54 of 68 data files processed - 16512.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000057C0000000.LRG 20230918185624 2023-09-18 15.50.44 134217728 20230918185624

XBR0315I 55 of 68 data files processed - 16672.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000058C0000000.LRG 20230918185624 2023-09-18 11.25.55 167772160 20230918185624

XBR0315I 56 of 68 data files processed - 16832.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000059C0000000.LRG 20230918185624 2023-09-14 11.11.47 167772160 20230918185624

XBR0315I 57 of 68 data files processed - 16992.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000060C0000000.LRG 20230918185624 2023-09-14 11.11.47 167772160 20230918185624

XBR0315I 58 of 68 data files processed - 17152.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000061C0000000.LRG 20230918185624 2023-09-14 11.11.47 167772160 20230918185624

XBR0315I 59 of 68 data files processed - 17216.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000062C0000000.LRG 20230918185624 2023-09-14 11.11.47 67108864 20230918185624

XBR0315I 60 of 68 data files processed - 17376.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000063C0000000.LRG 20230918185624 2023-09-14 11.51.17 167772160 20230918185624

XBR0315I 61 of 68 data files processed - 17568.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000064C0000000.LRG 20230918185624 2023-09-14 11.11.47 201326592 20230918185624

XBR0315I 62 of 68 data files processed - 17600.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000065C0000000.LRG 20230918185624 2023-09-14 11.11.47 33554432 20230918185624

XBR0315I 63 of 68 data files processed - 17728.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000066C0000000.LRG 20230918185624 2023-09-18 11.17.23 134217728 20230918185624

XBR0315I 64 of 68 data files processed - 17856.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000067C0000000.LRG 20230918185624 2023-09-18 11.17.23 134217728 20230918185624

XBR0315I 65 of 68 data files processed - 18176.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000068C0000000.LRG 20230918185624 2023-09-18 11.17.23 335544320 20230918185624

XBR0315I 66 of 68 data files processed - 18272.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000069C0000000.LRG 20230918185624 2023-09-18 11.25.55 100663296 20230918185624

XBR0315I 67 of 68 data files processed - 18368.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000070C0000000.LRG 20230918185624 2023-09-14 11.51.17 100663296 20230918185624

XBR0315I 68 of 68 data files processed - 18400.000 of 18400.000 MB done

XBR0650I #SNAPSHOTTED.. 20230918185624\_DR3N0000T0000071C0000000.LRG 20230918185624 2023-09-14 11.11.47 33554432 20230918185624

SNP0245I Transfer snapshot '20230918185624' with retention period '3' days 2023-09-18 18.58.41

SNP0053I Executing cmd 'sudo /usr/local/platform/bin/iaas.py --cfg ~/DR3 --mode application --action transfer\_snapshot --jobid XBR\_DR3\_20230918185624 --retention 3 (timeout 780 min)'

2023-09-18 18:58:46,080 - INFO - Authenticate against the Azure API with the stored certificate.

2023-09-18 18:58:47,085 - INFO - Iaas Tool Storage Provider Version (AzureDisk): 1.2.9

2023-09-18 18:58:47,085 - INFO - Transfer snapshot

2023-09-18 18:58:47,909 - INFO - .. Granting access

2023-09-18 19:00:53,426 - INFO - .. Generate SAS key for storage account

2023-09-18 19:00:54,695 - INFO - .. Transfer snapshots

2023-09-18 19:02:04,926 - INFO - .. Cleanup az copy jobs

2023-09-18 19:02:04,939 - INFO - .. Cleanup old unsuccessful az copy jobs, if exists

2023-09-18 19:04:10,483 - INFO - .. Operation completed

{

"target": "azt0205backuptsi0001",

"result": "ok",

"job\_id": "XBR\_DR3\_20230918185624"

}

SNP0999I XBR\*Snapshot command 'transfer\_snapshot' using 'publiccloud' finished with RC=0 2023-09-18 19.04.10

XBR5350I Start dummy backup for setting return code to '0'

backup database DR3 tablespace (SYSTOOLSPACE) online to /dev/null EXCLUDE LOGS

XBR0055I Sleeping 15 seconds for completing dummy backup 2023-09-18 19.04.15

UPDATE HISTORY EID 328 WITH COMMENT 'DR3 SNAP ONL'

UPDATE HISTORY EID 328 WITH LOCATION '20230918185624' DEVICE TYPE O

XBR0219I Deleting 0 expired data backup files for database instance: 'DR3' 2023-09-18 19.04.35

XBR0151I Deleting 0 expired additionally saved files for database instance: 'DR3' 2023-09-18 19.04.35

XBR0363I Deleting expired long retention backup files for database instance: 'DR3' 2023-09-18 19.04.35

XBR5355I Cleanup expired backup history entries older than 60 days 2023-09-18 19.04.36

XBR0002I db2 prune history 20230720185624 with force option

DB20000I The PRUNE command completed successfully.

XBR5356I Cleanup expired backup history entries for database 'DR3' finished 2023-09-18 19.04.36

XBR5357I Cleanup expired backup history finished 2023-09-18 19.04.36

SNP0300I Deleting expired primary snapshots 2023-09-18 19.04.36

SNP0053I Executing cmd 'sudo /usr/local/platform/bin/iaas.py --cfg ~/DR3 --mode application --action delete\_expired\_snapshot (timeout 20 min)'

2023-09-18 19:04:40,866 - INFO - Authenticate against the Azure API with the stored certificate.

2023-09-18 19:04:41,987 - INFO - Iaas Tool Storage Provider Version (AzureDisk): 1.2.9

2023-09-18 19:04:41,988 - INFO - Delete expired snapshots

2023-09-18 19:04:42,832 - INFO - .. Done

SNP0999I XBR\*Snapshot command 'delete\_expired\_snapshot' using 'publiccloud' finished with RC=0 2023-09-18 19.04.42

SNP0310I Deleting expired secondary snapshots 2023-09-18 19.04.42

SNP0053I Executing cmd 'sudo /usr/local/platform/bin/iaas.py --cfg ~/DR3 --mode application --action delete\_expired\_backup (timeout 20 min)'

2023-09-18 19:04:47,665 - INFO - Authenticate against the Azure API with the stored certificate.

2023-09-18 19:04:48,461 - INFO - Iaas Tool Storage Provider Version (AzureDisk): 1.2.9

2023-09-18 19:04:48,461 - INFO - Delete expired backups

2023-09-18 19:04:50,938 - INFO - .. Done

SNP0999I XBR\*Snapshot command 'delete\_expired\_backup' using 'publiccloud' finished with RC=0 2023-09-18 19.04.50

XBR0603I Saving additional files 2023-09-18 19.04.50

XBR0610I #BACKUP....... 20230918185624\_DBM.cfg /db2/DR3/sapbackup/DBM.cfg 2023-09-18 18.56.58 2726 0 0 0

XBR0141I Saving '/db2/DR3/sapbackup/DBM.cfg'

XBR0142I to 'az://azt0205/backup/aztdbdr30001/xbrback/20230918185624/DBM.cfg'... 2023-09-18 19.04.50

XBR0620I #SAVED........ 20230918185624\_DBM.cfg az://azt0205/backup/aztdbdr30001/xbrback/20230918185624/DBM.cfg 2023-09-18 19.04.51 2726 1.00

XBR0610I #BACKUP....... 20230918185624\_DR3\_db2\_home.tar.Z /db2/DR3/sapbackup/DR3\_db2\_home.tar.Z 2023-09-18 18.58.08 100663 0 0 0

XBR0141I Saving '/db2/DR3/sapbackup/DR3\_db2\_home.tar.Z'

XBR0142I to 'az://azt0205/backup/aztdbdr30001/xbrback/20230918185624/DR3\_db2\_home.tar.Z'... 2023-09-18 19.04.52

XBR0620I #SAVED........ 20230918185624\_DR3\_db2\_home.tar.Z az://azt0205/backup/aztdbdr30001/xbrback/20230918185624/DR3\_db2\_home.tar.Z 2023-09-18 19.04.52 100663 1.00

XBR0610I #BACKUP....... 20230918185624\_init.xbr /usr/sap/DR3/home/xbrTools/xbrTools\_1.47.0005/init.xbr 2022-09-07 14.31.55 963 0 0 0

XBR0141I Saving '/usr/sap/DR3/home/xbrTools/xbrTools\_1.47.0005/init.xbr'

XBR0142I to 'az://azt0205/backup/aztdbdr30001/xbrback/20230918185624/init.xbr'... 2023-09-18 19.04.53

XBR0620I #SAVED........ 20230918185624\_init.xbr az://azt0205/backup/aztdbdr30001/xbrback/20230918185624/init.xbr 2023-09-18 19.04.53 963 1.00

XBR0610I #BACKUP....... 20230918185624\_initDR3.xbr /usr/sap/DR3/home/xbrTools/initDR3.xbr 2023-09-18 11.25.48 253 0 0 0

XBR0141I Saving '/usr/sap/DR3/home/xbrTools/initDR3.xbr'

XBR0142I to 'az://azt0205/backup/aztdbdr30001/xbrback/20230918185624/initDR3.xbr'... 2023-09-18 19.04.53

XBR0620I #SAVED........ 20230918185624\_initDR3.xbr az://azt0205/backup/aztdbdr30001/xbrback/20230918185624/initDR3.xbr 2023-09-18 19.04.53 253 1.00

XBR0610I #BACKUP....... 20230918185624\_xbrbackDR3.log /db2/DR3/sapbackup/xbrbackDR3.log 2023-09-18 18.56.28 406 0 0 0

XBR0141I Saving '/db2/DR3/sapbackup/xbrbackDR3.log'

XBR0142I to 'az://azt0205/backup/aztdbdr30001/xbrback/20230918185624/xbrbackDR3.log'... 2023-09-18 19.04.54

XBR0620I #SAVED........ 20230918185624\_xbrbackDR3.log az://azt0205/backup/aztdbdr30001/xbrback/20230918185624/xbrbackDR3.log 2023-09-18 19.04.54 406 1.00

XBR0610I #BACKUP....... 20230918185624\_gfaijufi.anf /db2/DR3/sapbackup/gfaijufi.anf 2023-09-18 19.04.55 61100 0 0 0

XBR0141I Saving '/db2/DR3/sapbackup/gfaijufi.anf'

XBR0142I to 'az://azt0205/backup/aztdbdr30001/xbrback/20230918185624/gfaijufi.anf'... 2023-09-18 19.04.55

XBR0620I #SAVED........ 20230918185624\_gfaijufi.anf az://azt0205/backup/aztdbdr30001/xbrback/20230918185624/gfaijufi.anf 2023-09-18 19.04.55 61373 1.00

XBR0610I #BACKUP....... 20230918185624\_xbrbackstatDR3.log /db2/DR3/sapbackup/xbrbackstatDR3.log 2023-09-18 13.12.46 34688 0 0 0

XBR0141I Saving '/db2/DR3/sapbackup/xbrbackstatDR3.log'

XBR0142I to 'az://azt0205/backup/aztdbdr30001/xbrback/20230918185624/xbrbackstatDR3.log'... 2023-09-18 19.04.55

XBR0620I #SAVED........ 20230918185624\_xbrbackstatDR3.log az://azt0205/backup/aztdbdr30001/xbrback/20230918185624/xbrbackstatDR3.log 2023-09-18 19.04.56 34688 1.00

XBR0120I Cleanup expired entries from table 'SAPTOOLS.XBRHIST' older than 60 days 2023-09-18 19.04.56

XBR0122I Cleanup expired entries from table 'SAPTOOLS.XBRHIST' finished 2023-09-18 19.04.57

XBR0130I Cleanup expired logfiles older than 60 days 2023-09-18 19.04.57

XBR0131I 0 logfiles/entries deleted

XBR0135I Reorg of logfiles finished 2023-09-18 19.04.57

XBR0137I Cleanup expired Azure jobs 2023-09-18 19.04.57

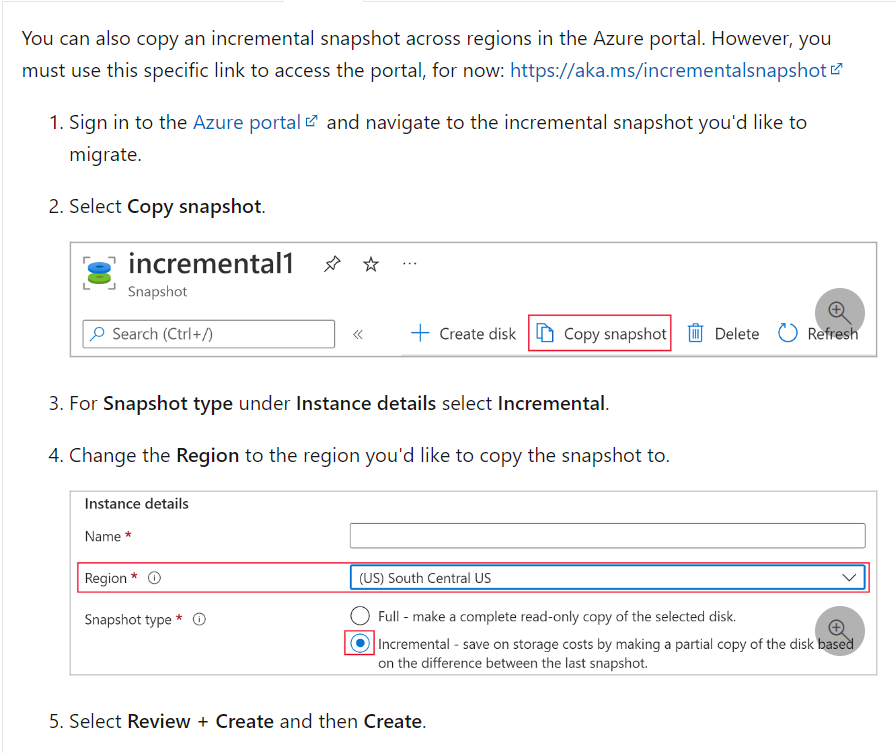
Successfully removed jobs with status: Completed.

XBR0139I Cleanup expired Azure jobs finished 2023-09-18 19.04.57

XBR0399I End of data backup for database instance: 'DR3' 2023-09-18 19.04.57

XBR0999I XBR\*Backup completed successfully at 2023-09-18 19.04.58, return code 0

## Copy snapshot to standby machine for restore



## aztdbdr30002:dr3adm 42> sudo /usr/local/platform/bin/iaas.py --cfg ~/DR3 --mode application --action list\_snapshot

2023-09-19 06:25:29,671 - INFO - Authenticate against the Azure API with the stored certificate.

2023-09-19 06:25:31,001 - INFO - Iaas Tool Storage Provider Version (AzureDisk): 1.2.9

2023-09-19 06:25:31,814 - INFO - Snapshots

2023-09-19 06:25:31,815 - INFO - ... Snapshot-Name: aztdbdr30002-vgadb\_h\_d-0000-XBR\_DR3\_20230918130444

2023-09-19 06:25:31,815 - INFO - ... Creation-date: 20230918175736

2023-09-19 06:25:31,815 - INFO - ... Expiration-date: 20230924130537

2023-09-19 06:25:31,815 - INFO - ... Location: northeurope

2023-09-19 06:25:31,815 - INFO - ... Job-ID: XBR\_DR3\_20230918130444

2023-09-19 06:25:31,815 - INFO - ... Source-host: aztdbdr30002

2023-09-19 06:25:31,815 - INFO - ... Snapshot-Name: aztdbdr30002-vgadb\_h\_d-0001-XBR\_DR3\_20230918130444

2023-09-19 06:25:31,815 - INFO - ... Creation-date: 20230918180311

2023-09-19 06:25:31,815 - INFO - ... Expiration-date: 20230924130537

2023-09-19 06:25:31,815 - INFO - ... Location: northeurope

2023-09-19 06:25:31,815 - INFO - ... Job-ID: XBR\_DR3\_20230918130444

2023-09-19 06:25:31,815 - INFO - ... Source-host: aztdbdr30002

2023-09-19 06:25:31,815 - INFO - ... Snapshot-Name: aztdbdr30002-vgadb\_h\_d-0002-XBR\_DR3\_20230918130444

2023-09-19 06:25:31,815 - INFO - ... Creation-date: 20230918181115

2023-09-19 06:25:31,815 - INFO - ... Expiration-date: 20230924130537

2023-09-19 06:25:31,815 - INFO - ... Location: northeurope

2023-09-19 06:25:31,816 - INFO - ... Job-ID: XBR\_DR3\_20230918130444

2023-09-19 06:25:31,816 - INFO - ... Source-host: aztdbdr30002

2023-09-19 06:25:31,816 - INFO - ... Snapshot-Name: aztdbdr30002-vgadb\_h\_d-0003-XBR\_DR3\_20230918130444

2023-09-19 06:25:31,816 - INFO - ... Creation-date: 20230918181344

2023-09-19 06:25:31,816 - INFO - ... Expiration-date: 20230924130537

2023-09-19 06:25:31,816 - INFO - ... Location: northeurope

2023-09-19 06:25:31,816 - INFO - ... Job-ID: XBR\_DR3\_20230918130444

2023-09-19 06:25:31,816 - INFO - ... Source-host: aztdbdr30002

2023-09-19 06:25:31,816 - INFO - ... Snapshot-Name: aztdbdr30002-vgadb\_h\_d-0000-XBR\_DR3\_20230918185624

2023-09-19 06:25:31,816 - INFO - ... Creation-date: 20230919050740

2023-09-19 06:25:31,816 - INFO - ... Expiration-date: 20230924185722

2023-09-19 06:25:31,816 - INFO - ... Location: northeurope

2023-09-19 06:25:31,816 - INFO - ... Job-ID: XBR\_DR3\_20230918185624

2023-09-19 06:25:31,816 - INFO - ... Source-host: aztdbdr30002

2023-09-19 06:25:31,816 - INFO - ... Snapshot-Name: aztdbdr30002-vgadb\_h\_d-0001-XBR\_DR3\_20230918185624

2023-09-19 06:25:31,816 - INFO - ... Creation-date: 20230919050954

2023-09-19 06:25:31,816 - INFO - ... Expiration-date: 20230924185722

2023-09-19 06:25:31,817 - INFO - ... Location: northeurope

2023-09-19 06:25:31,817 - INFO - ... Job-ID: XBR\_DR3\_20230918185624

2023-09-19 06:25:31,817 - INFO - ... Source-host: aztdbdr30002

2023-09-19 06:25:31,817 - INFO - ... Snapshot-Name: aztdbdr30002-vgadb\_h\_d-0002-XBR\_DR3\_20230918185624

2023-09-19 06:25:31,817 - INFO - ... Creation-date: 20230919051250

2023-09-19 06:25:31,817 - INFO - ... Expiration-date: 20230924185722

2023-09-19 06:25:31,817 - INFO - ... Location: northeurope

2023-09-19 06:25:31,817 - INFO - ... Job-ID: XBR\_DR3\_20230918185624

2023-09-19 06:25:31,817 - INFO - ... Source-host: aztdbdr30002

2023-09-19 06:25:31,817 - INFO - ... Snapshot-Name: aztdbdr30002-vgadb\_h\_d-0003-XBR\_DR3\_20230918185624

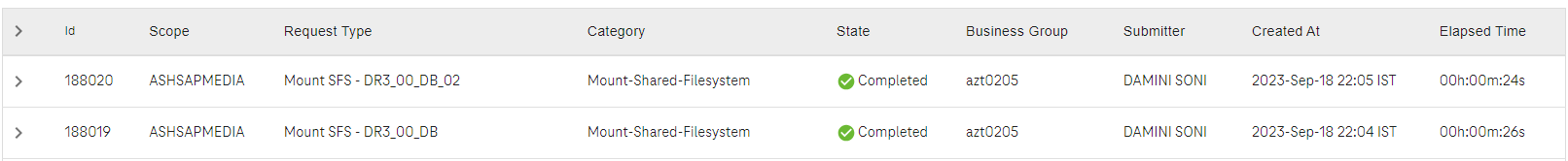
2023-09-19 06:25:31,817 - INFO - ... Creation-date: 20230919051616

2023-09-19 06:25:31,817 - INFO - ... Expiration-date: 20230924185722

2023-09-19 06:25:31,817 - INFO - ... Location: northeurope

2023-09-19 06:25:31,817 - INFO - ... Job-ID: XBR\_DR3\_20230918185624

2023-09-19 06:25:31,817 - INFO - ... Source-host: aztdbdr30002



**aztdbdr30001:db2dr3 35> df -h**

Filesystem Size Used Avail Use% Mounted on

devtmpfs 4.0M 8.0K 4.0M 1% /dev

tmpfs 48G 60K 48G 1% /dev/shm

tmpfs 13G 25M 13G 1% /run

tmpfs 4.0M 0 4.0M 0% /sys/fs/cgroup

/dev/sda4 127G 41G 86G 33% /

/dev/sda3 1014M 98M 917M 10% /boot

/dev/sda2 512M 3.0M 509M 1% /boot/efi

/dev/mapper/vgadb\_h-dbhome 9.9G 134M 9.8G 2% /db2/DR3

/dev/mapper/vgadb\_h\_dbarch-dbarch 9.8G 75M 9.8G 1% /db2/DR3/log\_archive

/dev/mapper/vgadb\_u\_ol-loga 5.2G 4.6G 600M 89% /db2/DR3/log\_dir

/dev/mapper/vgadb\_u\_ml-loga 5.2G 38M 5.1G 1% /db2/DR3/m\_log\_dir

/dev/mapper/vgadb\_h\_d-sapdata1 127G 19G 109G 15% /db2/DR3/sapdata1

/dev/mapper/vgadb\_h-sapreorg 7.9G 41M 7.9G 1% /db2/DR3/sapreorg

/dev/mapper/vgadb\_h-saptemp 7.9G 41M 7.9G 1% /db2/DR3/saptmp1

/dev/sdb1 295G 28K 280G 1% /mnt

/dev/mapper/vgcommon\_c-osbackup 30G 11G 20G 36% /os.backup

/dev/mapper/vgadb\_h-sapmnt 4.9G 1.3G 3.7G 27% /sapmnt/DR3

/dev/mapper/vgcommon\_c-usrsap 9.9G 956M 9.0G 10% /usr/sap

/dev/mapper/vgsap\_h-usrsap 15G 50M 15G 1% /usr/sap/DR3

tmpfs 6.3G 8.0K 6.3G 1% /run/user/468

tmpfs 6.3G 8.0K 6.3G 1% /run/user/3000

tmpfs 6.3G 8.0K 6.3G 1% /run/user/1000

192.168.22.70:/azt0205ashsapmediasa/ashsapmedia 100G 25G 76G 25% /sharedstorage/ashsapmedia

mkdir /sharedstorage/ashsapmedia/tmp/

chmod 777 /sharedstorage/ashsapmedia/tmp/

## aztdbdr30001:dr3adm 40> ./xbrbackup -restore -restore\_date\_from=20230918185624 -restore\_date\_to=20230918190457 -restore\_to\_dir=/sharedstorage/ashsapmedia/tmp/ -restore\_orig\_dir=/db2/DR3/sapbackup/

Xbr\*Tools Wrapper v1.4

Starting /usr/sap/DR3/home/xbrTools/xbrTools/xbrbackup.csh

XBR0001I XBR\*Backup Version 1.47.0005 T-Systems International GmbH

XBR0005I XBR\*Backup log file: '/db2/DR3/sapbackup/gfajejcf.rsb'

XBR0500I Start of data restore for database instance: 'DR3' 2023-09-19 07.09.26

XBR0010I Parameters (Profiles):

Name Value

----------------------------------- -----------------------------------------------------------------------------------------------------------------------------------------------------------------------------

archive\_copy\_dir az://azt0205/archivepool/aztdbdr30001

archive\_dir /db2/DR3/log\_archive

archive\_max\_loop\_count 20

az\_max\_connections 0

backup\_cons\_timeout 600

backup\_dev\_type snapshot

backup\_log\_dir /db2/DR3/sapbackup

backup\_longretention\_dir az://azt0205/backup/aztdbdr30001/xbrlong

backup\_root\_dir az://azt0205/backup/aztdbdr30001

backup\_type online

cleanup\_backup\_catalog yes

cleanup\_disk\_archive 37

cleanup\_disk\_backup 37

cleanup\_disk\_backup\_weekly 37

cleanup\_log 60

cmd\_line xbrbackup.pl -restore -restore\_date\_from=20230918185624 -restore\_date\_to=20230918190457 -restore\_to\_dir=/sharedstorage/ashsapmedia/tmp/ -restore\_orig\_dir=/db2/DR3/sapbackup/

compress yes

compress\_cmd pigz -5

compress\_verify yes

compress\_verify\_backup no

compress\_verify\_cmd pigz -t

db2\_compress yes

db2\_databases DR3

db2\_logarchmeth 1, 2

dbhome /db2/DR3

dbsid DR3

dbtype DB2

disk\_backup\_parallel 8

exec\_parallel 1

history\_table SAPTOOLS.XBRHIST

init\_files /usr/sap/DR3/home/xbrTools/xbrTools\_1.47.0005/init.xbr, /usr/sap/DR3/home/xbrTools/initDR3.xbr

keep\_archive\_count 0

local\_backup\_dir /db2/DR3/localbackup

log\_dir /db2/DR3/sapbackup

logswitch\_interval 3300

mode full

perl\_interpreter /usr/bin/perl

perl\_version v5.26.1

process\_info 31326 db2dr3(32000)/db2dr3(32000) sapsys(200)/sapsys(200)

restore 1

restore\_date\_from 20230918185624

restore\_date\_to 20230918190457

restore\_orig\_dir /db2/DR3/sapbackup/

restore\_to\_dir /sharedstorage/ashsapmedia/tmp/

retention\_policy daily

snapshot\_interface publiccloud

snapshot\_retention\_primary 6

snapshot\_retention\_primary\_weekly 37

snapshot\_retention\_secondary 3

snapshot\_retention\_secondary\_weekly 3

snapshot\_svunsched yes

snapshot\_timeout 1200

snapshot\_transfer\_daily no

snapshot\_transfer\_project no

snapshot\_transfer\_timeout 46800

snapshot\_verify no

snapshot\_waittime 900

system\_info Linux aztdbdr30001 5.14.21-150400.24.28-default #1 SMP

temp\_dir /var/tmp

time\_zone UTC +0000

uncompress\_cmd pigz -d

userid\_info uid=32000(db2dr3) gid=200(sapsys) groups=200(sapsys),400(sapinst),31000(dbdr3adm),32000(dbdr3ctl)

XBR0034I Registered OS-Commands:

Command Path

------------------------------ -----------------------------------------

az /usr/bin/az

azcopy /usr/bin/azcopy

date /usr/bin/date

db2 /home/db2dr3/sqllib/bin/db2

db2cfexp /home/db2dr3/sqllib/bin/db2cfexp

db2dart /home/db2dr3/sqllib/adm/db2dart

db2start /home/db2dr3/sqllib/adm/db2start

db2stop /home/db2dr3/sqllib/adm/db2stop

dd /usr/bin/dd

getent /usr/bin/getent

hostname /usr/bin/hostname

id /usr/bin/id

pigz /usr/bin/pigz

tar /usr/bin/tar

uname /usr/bin/uname

XBR0410I Restore function: restore\_backupfiles

saved\_from\_dir: /db2/DR3/sapbackup/

restore\_to\_dir: /sharedstorage/ashsapmedia/tmp/

dst\_path: /sharedstorage/ashsapmedia/tmp/DR3\_db2\_home.tar.Z

saved\_from\_dir: /db2/DR3/sapbackup/

restore\_to\_dir: /sharedstorage/ashsapmedia/tmp/

dst\_path: /usr/sap/DR3/home/xbrTools/xbrTools\_1.47.0005/init.xbr

XBR0430I File '/usr/sap/DR3/home/xbrTools/xbrTools\_1.47.0005/init.xbr' (2022-09-07 14.31.55) exists, will be skipped from restore

saved\_from\_dir: /db2/DR3/sapbackup/

restore\_to\_dir: /sharedstorage/ashsapmedia/tmp/

dst\_path: /sharedstorage/ashsapmedia/tmp/DBM.cfg

saved\_from\_dir: /db2/DR3/sapbackup/

restore\_to\_dir: /sharedstorage/ashsapmedia/tmp/

dst\_path: /usr/sap/DR3/home/xbrTools/initDR3.xbr

XBR0430I File '/usr/sap/DR3/home/xbrTools/initDR3.xbr' (2023-09-18 11.25.48) exists, will be skipped from restore

saved\_from\_dir: /db2/DR3/sapbackup/

restore\_to\_dir: /sharedstorage/ashsapmedia/tmp/

dst\_path: /sharedstorage/ashsapmedia/tmp/xbrbackDR3.log

saved\_from\_dir: /db2/DR3/sapbackup/

restore\_to\_dir: /sharedstorage/ashsapmedia/tmp/

dst\_path: /sharedstorage/ashsapmedia/tmp/xbrbackstatDR3.log

saved\_from\_dir: /db2/DR3/sapbackup/

restore\_to\_dir: /sharedstorage/ashsapmedia/tmp/

dst\_path: /sharedstorage/ashsapmedia/tmp/gfaijufi.anf

/sharedstorage/ashsapmedia/tmp/xbrbackstatDR3.log 2023-09-18 13.12.46 34688

/sharedstorage/ashsapmedia/tmp/xbrbackDR3.log 2023-09-18 18.56.28 406

/sharedstorage/ashsapmedia/tmp/DBM.cfg 2023-09-18 18.56.58 2726

/sharedstorage/ashsapmedia/tmp/DR3\_db2\_home.tar.Z 2023-09-18 18.58.08 100663

/sharedstorage/ashsapmedia/tmp/gfaijufi.anf 2023-09-18 19.04.55 61100

XBR0414I 5 files found for restore, total size 0.190 MB 2023-09-19 07.09.31

XBR0144I Restoring '/sharedstorage/ashsapmedia/tmp/xbrbackstatDR3.log'

XBR0145I from 'az://azt0205/backup/aztdbdr30001/xbrback/20230918185624/xbrbackstatDR3.log'... 2023-09-19 07.09.34

XBR0144I Restoring '/sharedstorage/ashsapmedia/tmp/xbrbackDR3.log'

XBR0145I from 'az://azt0205/backup/aztdbdr30001/xbrback/20230918185624/xbrbackDR3.log'... 2023-09-19 07.09.34

XBR0144I Restoring '/sharedstorage/ashsapmedia/tmp/DBM.cfg'

XBR0145I from 'az://azt0205/backup/aztdbdr30001/xbrback/20230918185624/DBM.cfg'... 2023-09-19 07.09.34

XBR0109I Decompressing '/sharedstorage/ashsapmedia/tmp/DR3\_db2\_home.tar.Z'

XBR0110I from 'az://azt0205/backup/aztdbdr30001/xbrback/20230918185624/DR3\_db2\_home.tar.Z'... 2023-09-19 07.09.34

XBR0144I Restoring '/sharedstorage/ashsapmedia/tmp/gfaijufi.anf'

XBR0145I from 'az://azt0205/backup/aztdbdr30001/xbrback/20230918185624/gfaijufi.anf'... 2023-09-19 07.09.34

XBR0660I #RESTORED..... 20230918185624\_xbrbackDR3.log /sharedstorage/ashsapmedia/tmp/xbrbackDR3.log 2023-09-18 18.56.28 406 1.00

XBR0215I 1 of 5 backup files processed - 0.000 of 0.190 MB done

XBR0056I Percentage done: 0.20%, estimated end time: 2023-09-19 07.42.17

XBR0660I #RESTORED..... 20230918185624\_DBM.cfg /sharedstorage/ashsapmedia/tmp/DBM.cfg 2023-09-18 18.56.58 2726 1.00

XBR0215I 2 of 5 backup files processed - 0.003 of 0.190 MB done

XBR0056I Percentage done: 1.57%, estimated end time: 2023-09-19 07.13.45

XBR0660I #RESTORED..... 20230918185624\_DR3\_db2\_home.tar.Z /sharedstorage/ashsapmedia/tmp/DR3\_db2\_home.tar.Z 2023-09-18 18.58.08 100663 1.00

XBR0215I 3 of 5 backup files processed - 0.099 of 0.190 MB done

XBR0056I Percentage done: 52.01%, estimated end time: 2023-09-19 07.09.38

XBR0660I #RESTORED..... 20230918185624\_xbrbackstatDR3.log /sharedstorage/ashsapmedia/tmp/xbrbackstatDR3.log 2023-09-18 13.12.46 34688 1.00

XBR0215I 4 of 5 backup files processed - 0.132 of 0.190 MB done

XBR0056I Percentage done: 69.39%, estimated end time: 2023-09-19 07.09.36

XBR0660I #RESTORED..... 20230918185624\_gfaijufi.anf /sharedstorage/ashsapmedia/tmp/gfaijufi.anf 2023-09-18 19.04.55 61100 1.00

XBR0215I 5 of 5 backup files processed - 0.190 of 0.190 MB done

XBR0056I Percentage done: 100.00%, estimated end time: 2023-09-19 07.09.35

XBR0420I 5 backup files in 4 seconds processed: Compression 195.17kB->194.91kB ratio 99.863% 2023-09-19 07.09.35

XBR0999I XBR\*Backup completed successfully at 2023-09-19 07.09.35, return code 0

**aztdbdr30001:dr3adm 41> ls -ltr /sharedstorage/ashsapmedia/tmp/**

total 37988

-rw-r--r-- 1 db2dr3 sapsys 34688 Sep 18 13:12 xbrbackstatDR3.log

-rw-r--r-- 1 db2dr3 sapsys 406 Sep 18 18:56 xbrbackDR3.log

-rw-r--r-- 1 db2dr3 sapsys 2726 Sep 18 18:56 DBM.cfg

-rw-r--r-- 1 db2dr3 sapsys 38799360 Sep 18 18:58 DR3\_db2\_home.tar.Z

-rw-r--r-- 1 db2dr3 sapsys 61373 Sep 18 19:04 gfaijufi.anf

# Restore On standby:

aztdbdr30002:db2dr3 42> db2stop force

09/19/2023 07:15:55 0 0 SQL1064N DB2STOP processing was successful.

SQL1064N DB2STOP processing was successful.

## aztdbdr30002:dr3adm 44> sudo /usr/local/platform/bin/iaas.py --cfg ~/DR3 --mode application --action restore\_snapshot --jobid XBR\_DR3\_20230918185624

2023-09-19 07:25:01,007 - INFO - Authenticate against the Azure API with the stored certificate.

2023-09-19 07:25:02,103 - INFO - Iaas Tool Storage Provider Version (AzureDisk): 1.2.9

2023-09-19 07:25:02,103 - INFO - Restore snapshot

2023-09-19 07:25:02,103 - INFO - .. Snapshot ID: XBR\_DR3\_20230918185624

2023-09-19 07:26:51,711 - INFO - .. Perform rescan scsi bus

2023-09-19 07:26:52,259 - INFO - .. Check if all attached disks are available on os level

2023-09-19 07:26:57,325 - INFO - .. Done

**aztdbdr30002:/db2/DR3/sapbackup # su - db2dr3**

**aztdbdr30002:db2dr3 44> cd /**

## aztdbdr30002:db2dr3 45> tar -xvf /sharedstorage/ashsapmedia/tmp/DR3\_db2\_home.tar.Z

db2/DR3/db2dr3/NODE0000/SQL00001/

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/db2event/

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/db2event/db2detaildeadlock/

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/db2event/db2detaildeadlock/db2event.ctl

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/db2event/db2detaildeadlock/00000000.evt

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/HADR/

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/HADR/LOGSPOOL/

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/HADR/TAKEOVER/

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/SQLDBCONF

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/SQLOGCTL.LFH.1

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/SQLOGCTL.LFH.2

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/SQLOGMIR.LFH

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/SQLBP.1

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/SQLBP.2

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/SQLINSLK

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/SQLTMPLK

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/SQLWLMADMDAT

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/DB2TSCHG.HIS

db2/DR3/db2dr3/NODE0000/SQL00001/db2rhist.asc

db2/DR3/db2dr3/NODE0000/SQL00001/db2rhist.bak

db2/DR3/db2dr3/NODE0000/SQL00001/HADR/

db2/DR3/db2dr3/NODE0000/SQL00001/HADR/LOGSPOOL/

db2/DR3/db2dr3/NODE0000/SQL00001/HADR/TAKEOVER/

db2/DR3/db2dr3/NODE0000/SQL00001/SQLDBCONF

db2/DR3/db2dr3/NODE0000/SQL00001/SQLOGCTL.GLFH.1

db2/DR3/db2dr3/NODE0000/SQL00001/SQLOGCTL.GLFH.2

db2/DR3/db2dr3/NODE0000/SQL00001/LOGSTREAM0000/

db2/DR3/db2dr3/NODE0000/SQL00001/SQLSGF.1

db2/DR3/db2dr3/NODE0000/SQL00001/SQLSGF.2

db2/DR3/db2dr3/NODE0000/SQL00001/SQLSPCS.1

db2/DR3/db2dr3/NODE0000/SQL00001/SQLSPCS.2

db2/DR3/db2dr3/NODE0000/SQL00001/db2rhist.lock

db2/DR3/db2dr3/NODE0000/SQL00001/load/

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/db2event/

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/db2event/db2detaildeadlock/

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/db2event/db2detaildeadlock/db2event.ctl

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/db2event/db2detaildeadlock/00000000.evt

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/HADR/

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/HADR/LOGSPOOL/

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/HADR/TAKEOVER/

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/SQLDBCONF

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/SQLOGCTL.LFH.1

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/SQLOGCTL.LFH.2

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/SQLOGMIR.LFH

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/SQLBP.1

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/SQLBP.2

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/SQLINSLK

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/SQLTMPLK

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/SQLWLMADMDAT

db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/DB2TSCHG.HIS

db2/DR3/db2dr3/NODE0000/sqldbdir/

db2/DR3/db2dr3/NODE0000/sqldbdir/sqldbdir

db2/DR3/db2dr3/NODE0000/sqldbdir/sqldbbak

db2/DR3/db2dr3/NODE0000/sqldbdir/sqldbins

**aztdbdr30002:db2dr3 46> db2start**

SQL8007W There are "89" day(s) left in the evaluation period for the product

"DB2 Advanced Edition". For evaluation license terms and conditions, refer to

the License Agreement document located in the license directory in the

installation path of this product. If you have licensed this product, ensure

the license key is properly registered. You can register the license by using

the db2licm command line utility. The license key can be obtained from your

licensed product CD.

09/19/2023 07:36:04 0 0 SQL1063N DB2START processing was successful.

SQL1063N DB2START processing was successful.

**aztdbdr30002:db2dr3 47> db2inidb DR3 as standby**

DBT1000I The tool completed successfully.

## aztdbdr30002:db2dr3 48> db2 rollforward db dr3 query status

Rollforward Status

Input database alias = dr3

Number of members have returned status = 1

Member ID = 0

Rollforward status = DB pending

Next log file to be read = S0000014.LOG

Log files processed = -

Last committed transaction = 2023-09-18-18.57.03.000000 UTC

aztdbdr30002:db2dr3 49>

**aztdbdr30002:db2dr3 50> db2 get db cfg for dr3 | grep -i hadr**

HADR database role = STANDARD

HADR local host name (HADR\_LOCAL\_HOST) = aztdbdr30001.azt0205.azure.local

HADR local service name (HADR\_LOCAL\_SVC) = 50001

HADR remote host name (HADR\_REMOTE\_HOST) = aztdbdr30002.azt0205.azure.local

HADR remote service name (HADR\_REMOTE\_SVC) = 50002

HADR instance name of remote server (HADR\_REMOTE\_INST) = db2dr3

HADR timeout value (HADR\_TIMEOUT) = 120

HADR target list (HADR\_TARGET\_LIST) =

HADR log write synchronization mode (HADR\_SYNCMODE) = SYNC

HADR spool log data limit (4KB) (HADR\_SPOOL\_LIMIT) = 1000

HADR log replay delay (seconds) (HADR\_REPLAY\_DELAY) = 0

HADR peer window duration (seconds) (HADR\_PEER\_WINDOW) = 240

HADR SSL certificate label (HADR\_SSL\_LABEL) =

HADR SSL Hostname Validation (HADR\_SSL\_HOST\_VAL) = OFF

**aztdbdr30002:db2dr3 51> db2 update db cfg for dr3 using HADR\_LOCAL\_HOST aztdbdr30002.azt0205.azure.local**

DB20000I The UPDATE DATABASE CONFIGURATION command completed successfully.

**aztdbdr30002:db2dr3 52> db2 update db cfg for dr3 using HADR\_LOCAL\_SVC 50002**

DB20000I The UPDATE DATABASE CONFIGURATION command completed successfully.

**aztdbdr30002:db2dr3 53> db2 update db cfg for dr3 using HADR\_REMOTE\_HOST aztdbdr30001.azt0205.azure.local**

DB20000I The UPDATE DATABASE CONFIGURATION command completed successfully.

**aztdbdr30002:db2dr3 54> db2 update db cfg for dr3 using HADR\_REMOTE\_SVC 50001**

DB20000I The UPDATE DATABASE CONFIGURATION command completed successfully.

**aztdbdr30002:db2dr3 72> db2 get db cfg for dr3 | grep -i hadr**

HADR database role = STANDBY

HADR local host name (HADR\_LOCAL\_HOST) = aztdbdr30002.azt0205.azure.local

HADR local service name (HADR\_LOCAL\_SVC) = 50002

HADR remote host name (HADR\_REMOTE\_HOST) = aztdbdr30001.azt0205.azure.local

HADR remote service name (HADR\_REMOTE\_SVC) = 50001

HADR instance name of remote server (HADR\_REMOTE\_INST) = db2dr3

HADR timeout value (HADR\_TIMEOUT) = 120

HADR target list (HADR\_TARGET\_LIST) =

HADR log write synchronization mode (HADR\_SYNCMODE) = SYNC

HADR spool log data limit (4KB) (HADR\_SPOOL\_LIMIT) = 1000

HADR log replay delay (seconds) (HADR\_REPLAY\_DELAY) = 0

HADR peer window duration (seconds) (HADR\_PEER\_WINDOW) = 240

HADR SSL certificate label (HADR\_SSL\_LABEL) =

# Start HADR

First Start HADR on standby then Primary (NOTE: For stopping needs to stop first on standby then primary)

**aztdbdr30002:db2dr3 70> db2 start hadr on db dr3 as standby**

DB20000I The START HADR ON DATABASE command completed successfully.

**aztdbdr30001:db2dr3 54> db2 activate db dr3**

DB20000I The ACTIVATE DATABASE command completed successfully.

**aztdbdr30001:db2dr3 55> db2 start hadr on db dr3 as primary**

DB20000I The START HADR ON DATABASE command completed successfully.

# Configuration Check:

**aztdbdr30001:db2dr3 56> db2pd -alldbs -hadr**

Database Member 0 -- Database DR3 -- Active -- Up 0 days 00:00:41 -- Date 2023-09-19-07.58.04.324292

HADR\_ROLE = PRIMARY

REPLAY\_TYPE = PHYSICAL

HADR\_SYNCMODE = SYNC

STANDBY\_ID = 1

LOG\_STREAM\_ID = 0

HADR\_STATE = PEER

HADR\_FLAGS = TCP\_PROTOCOL

PRIMARY\_MEMBER\_HOST = aztdbdr30001.azt0205.azure.local

PRIMARY\_INSTANCE = db2dr3

PRIMARY\_MEMBER = 0

STANDBY\_MEMBER\_HOST = aztdbdr30002.azt0205.azure.local

STANDBY\_INSTANCE = db2dr3

STANDBY\_MEMBER = 0

HADR\_CONNECT\_STATUS = CONNECTED

HADR\_CONNECT\_STATUS\_TIME = 09/19/2023 07:57:36.202739 (1695110256)

HEARTBEAT\_INTERVAL(seconds) = 5

HEARTBEAT\_MISSED = 0

HEARTBEAT\_EXPECTED = 5

HADR\_TIMEOUT(seconds) = 120

TIME\_SINCE\_LAST\_RECV(seconds) = 3

PEER\_WAIT\_LIMIT(seconds) = 0

LOG\_HADR\_WAIT\_CUR(seconds) = 0.000

LOG\_HADR\_WAIT\_RECENT\_AVG(seconds) = 0.000000

LOG\_HADR\_WAIT\_ACCUMULATED(seconds) = 0.000

LOG\_HADR\_WAIT\_COUNT = 0

SOCK\_SEND\_BUF\_REQUESTED,ACTUAL(bytes) = 0, 87040

SOCK\_RECV\_BUF\_REQUESTED,ACTUAL(bytes) = 0, 131072

PRIMARY\_LOG\_FILE,PAGE,POS = S0000020.LOG, 0, 40723316001

STANDBY\_LOG\_FILE,PAGE,POS = S0000020.LOG, 0, 40723316001

HADR\_LOG\_GAP(bytes) = 0

STANDBY\_REPLAY\_LOG\_FILE,PAGE,POS = S0000020.LOG, 0, 40723316001

STANDBY\_RECV\_REPLAY\_GAP(bytes) = 0

PRIMARY\_LOG\_TIME = 09/18/2023 19:04:58.000000 (1695063898)

STANDBY\_LOG\_TIME = 09/18/2023 19:04:58.000000 (1695063898)

STANDBY\_REPLAY\_LOG\_TIME = 09/18/2023 19:04:58.000000 (1695063898)

STANDBY\_RECV\_BUF\_SIZE(pages) = 2048

STANDBY\_RECV\_BUF\_PERCENT = 0

STANDBY\_SPOOL\_LIMIT(pages) = 1000

STANDBY\_SPOOL\_PERCENT = 0

STANDBY\_ERROR\_TIME = NULL

PEER\_WINDOW(seconds) = 240

PEER\_WINDOW\_END = 09/19/2023 08:02:00.000000 (1695110520)

READS\_ON\_STANDBY\_ENABLED = N

HADR\_LAST\_TAKEOVER\_TIME = NULL

**aztdbdr30002:db2dr3 71> db2pd -d dr3 -hadr**

Database Member 0 -- Database DR3 -- Standby -- Up 0 days 00:00:49 -- Date 2023-09-19-07.57.44.527085

HADR\_ROLE = STANDBY

REPLAY\_TYPE = PHYSICAL

HADR\_SYNCMODE = SYNC

STANDBY\_ID = 0

LOG\_STREAM\_ID = 0

HADR\_STATE = PEER

HADR\_FLAGS = TCP\_PROTOCOL

PRIMARY\_MEMBER\_HOST = aztdbdr30001.azt0205.azure.local

PRIMARY\_INSTANCE = db2dr3

PRIMARY\_MEMBER = 0

STANDBY\_MEMBER\_HOST = aztdbdr30002.azt0205.azure.local

STANDBY\_INSTANCE = db2dr3

STANDBY\_MEMBER = 0

HADR\_CONNECT\_STATUS = CONNECTED

HADR\_CONNECT\_STATUS\_TIME = 09/19/2023 07:57:36.204015 (1695110256)

HEARTBEAT\_INTERVAL(seconds) = 5

HEARTBEAT\_MISSED = 0

HEARTBEAT\_EXPECTED = 1

HADR\_TIMEOUT(seconds) = 120

TIME\_SINCE\_LAST\_RECV(seconds) = 3

PEER\_WAIT\_LIMIT(seconds) = 0

LOG\_HADR\_WAIT\_CUR(seconds) = 0.000

LOG\_HADR\_WAIT\_RECENT\_AVG(seconds) = 0.000000

LOG\_HADR\_WAIT\_ACCUMULATED(seconds) = 0.000

LOG\_HADR\_WAIT\_COUNT = 0

SOCK\_SEND\_BUF\_REQUESTED,ACTUAL(bytes) = 0, 87040

SOCK\_RECV\_BUF\_REQUESTED,ACTUAL(bytes) = 0, 131072

PRIMARY\_LOG\_FILE,PAGE,POS = S0000020.LOG, 0, 40723316001

STANDBY\_LOG\_FILE,PAGE,POS = S0000020.LOG, 0, 40723316001

HADR\_LOG\_GAP(bytes) = 0

STANDBY\_REPLAY\_LOG\_FILE,PAGE,POS = S0000020.LOG, 0, 40723316001

STANDBY\_RECV\_REPLAY\_GAP(bytes) = 0

PRIMARY\_LOG\_TIME = 09/18/2023 19:04:58.000000 (1695063898)

STANDBY\_LOG\_TIME = 09/18/2023 19:04:58.000000 (1695063898)

STANDBY\_REPLAY\_LOG\_TIME = 09/18/2023 19:04:58.000000 (1695063898)

STANDBY\_RECV\_BUF\_SIZE(pages) = 2048

STANDBY\_RECV\_BUF\_PERCENT = 0

STANDBY\_SPOOL\_LIMIT(pages) = 1000

STANDBY\_SPOOL\_PERCENT = 0

STANDBY\_ERROR\_TIME = NULL

PEER\_WINDOW(seconds) = 240

PEER\_WINDOW\_END = 09/19/2023 08:01:40.000000 (1695110500)

READS\_ON\_STANDBY\_ENABLED = N

HADR\_LAST\_TAKEOVER\_TIME = NULL

**aztcidr30001:dr3adm 55> cat /sapmnt/DR3/global/db6/db2cli.ini**

; Comment lines start with a semi-colon.

[DR3]

Database=DR3

Protocol=tcpip

Hostname=aztdbdr30001

Servicename=5912

[COMMON]

Diagpath=/usr/sap/DR3/SYS/global/db6/db2dump

**aztcidr30001:dr3adm 54> startsap**

Checking db Database

Database is running

-------------------------------------------

Starting Startup Agent sapstartsrv

OK

Instance Service on host aztcidr30001 started

-------------------------------------------

starting SAP Instance ASCS01

Startup-Log is written to /usr/sap/DR3/home/startsap\_ASCS01.log

-------------------------------------------

/usr/sap/DR3/ASCS01/exe/sapcontrol -prot NI\_HTTP -nr 01 -function Start

Instance on host aztcidr30001 started

Starting Startup Agent sapstartsrv

OK

Instance Service on host aztcidr30001 started

-------------------------------------------

starting SAP Instance D00

Startup-Log is written to /usr/sap/DR3/home/startsap\_D00.log

-------------------------------------------

/usr/sap/DR3/D00/exe/sapcontrol -prot NI\_HTTP -nr 00 -function Start

Instance on host aztcidr30001 started

**aztdbdr30001:db2dr3 53> db2 list active databases**

Active Databases

Database name = DR3

Applications connected currently = 20

Database path = /db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/

**aztdbdr30001:db2dr3 54> db2pd -alldbs -hadr | grep HADR**

HADR\_ROLE = PRIMARY

HADR\_SYNCMODE = SYNC

HADR\_STATE = PEER

HADR\_FLAGS = TCP\_PROTOCOL

HADR\_CONNECT\_STATUS = CONNECTED

HADR\_CONNECT\_STATUS\_TIME = 09/19/2023 07:57:36.202739 (1695110256)

HADR\_TIMEOUT(seconds) = 120

LOG\_HADR\_WAIT\_CUR(seconds) = 0.000

LOG\_HADR\_WAIT\_RECENT\_AVG(seconds) = 0.011158

LOG\_HADR\_WAIT\_ACCUMULATED(seconds) = 2.067

LOG\_HADR\_WAIT\_COUNT = 263

HADR\_LOG\_GAP(bytes) = 0

HADR\_LAST\_TAKEOVER\_TIME = NULL

**aztdbdr30002:db2dr3 53> db2 list active databases**

Active Databases

Database name = DR3

Applications connected currently = 0

Database path = /db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/

**aztdbdr30002:db2dr3 54> db2pd -alldbs -hadr | grep HADR**

HADR\_ROLE = STANDBY

HADR\_SYNCMODE = SYNC

HADR\_STATE = PEER

HADR\_FLAGS = TCP\_PROTOCOL

HADR\_CONNECT\_STATUS = CONNECTED

HADR\_CONNECT\_STATUS\_TIME = 09/19/2023 07:57:36.204015 (1695110256)

HADR\_TIMEOUT(seconds) = 120

LOG\_HADR\_WAIT\_CUR(seconds) = 0.000

LOG\_HADR\_WAIT\_RECENT\_AVG(seconds) = 0.011059

LOG\_HADR\_WAIT\_ACCUMULATED(seconds) = 2.073

LOG\_HADR\_WAIT\_COUNT = 265

HADR\_LOG\_GAP(bytes) = 0

HADR\_LAST\_TAKEOVER\_TIME = NULL

**Test manual Failover of IBM Db2:- PRIMARY ====> STANDBY**

1. Stop the SAP ( stopsap R3) services . Do not stop the ASCS services .

aztcidr30001:dr3adm 54> stopsap  
Checking db Database  
Database is running  
-------------------------------------------  
stopping the SAP instance D00  
Shutdown-Log is written to /usr/sap/DR3/home/stopsap\_D00.log  
-------------------------------------------  
/usr/sap/DR3/D00/exe/sapcontrol -prot NI\_HTTP -nr 00 -function Stop  
Instance on host aztcidr30001 stopped  
Waiting for cleanup of resources  
...........  
stopping the SAP instance ASCS01  
Shutdown-Log is written to /usr/sap/DR3/home/stopsap\_ASCS01.log  
-------------------------------------------  
/usr/sap/DR3/ASCS01/exe/sapcontrol -prot NI\_HTTP -nr 01 -function Stop  
Instance on host aztcidr30001 stopped  
Waiting for cleanup of resources  
.  
aztcidr30001:dr3adm 55>

1. Check the status on both node "db2pd -db DR3 -hadr"

Primary:

aztdbdr30001:db2dr3 51> db2pd -alldbs -hadr | grep HADR

HADR\_ROLE = PRIMARY

HADR\_SYNCMODE = SYNC

HADR\_STATE = PEER

HADR\_FLAGS = TCP\_PROTOCOL

HADR\_CONNECT\_STATUS = CONNECTED

HADR\_CONNECT\_STATUS\_TIME = 09/19/2023 07:57:36.202739 (1695110256)

HADR\_TIMEOUT(seconds) = 120

LOG\_HADR\_WAIT\_CUR(seconds) = 0.000

LOG\_HADR\_WAIT\_RECENT\_AVG(seconds) = 0.003666

LOG\_HADR\_WAIT\_ACCUMULATED(seconds) = 58.374

LOG\_HADR\_WAIT\_COUNT = 11768

HADR\_LOG\_GAP(bytes) = 0

HADR\_LAST\_TAKEOVER\_TIME = NULL

aztdbdr30001:db2dr3 52> db2 list active databases

Active Databases

Database name = DR3

Applications connected currently = 0

Database path = /db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/

aztdbdr30001:db2dr3 53>

Standby:

aztdbdr30002:db2dr3 53> db2pd -alldbs -hadr | grep HADR

HADR\_ROLE = STANDBY

HADR\_SYNCMODE = SYNC

HADR\_STATE = PEER

HADR\_FLAGS = TCP\_PROTOCOL

HADR\_CONNECT\_STATUS = CONNECTED

HADR\_CONNECT\_STATUS\_TIME = 09/19/2023 07:57:36.204015 (1695110256)

HADR\_TIMEOUT(seconds) = 120

LOG\_HADR\_WAIT\_CUR(seconds) = 0.000

LOG\_HADR\_WAIT\_RECENT\_AVG(seconds) = 0.003666

LOG\_HADR\_WAIT\_ACCUMULATED(seconds) = 58.374

LOG\_HADR\_WAIT\_COUNT = 11768

HADR\_LOG\_GAP(bytes) = 0

HADR\_LAST\_TAKEOVER\_TIME = NULL

aztdbdr30002:db2dr3 54> db2 list active databases

Active Databases

Database name = DR3

Applications connected currently = 0

Database path = /db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/

aztdbdr30002:db2dr3 55>

1. stop the primary node "db2stop force"  for testing .  (aztdbdr30001.azt0201.azure.local)

aztdbdr30001:db2dr3 53> db2stop force

09/19/2023 09:02:45 0 0 SQL1064N DB2STOP processing was successful.

SQL1064N DB2STOP processing was successful.

Standby:

aztdbdr30002:db2dr3 55> db2pd -alldbs -hadr | grep HADR

HADR\_ROLE = STANDBY

HADR\_SYNCMODE = SYNC

HADR\_STATE = DISCONNECTED\_PEER

HADR\_FLAGS =

HADR\_CONNECT\_STATUS = DISCONNECTED

HADR\_CONNECT\_STATUS\_TIME = 09/19/2023 09:02:41.124358 (1695114161)

HADR\_TIMEOUT(seconds) = 120

LOG\_HADR\_WAIT\_CUR(seconds) = 0.000

LOG\_HADR\_WAIT\_RECENT\_AVG(seconds) = 0.003666

LOG\_HADR\_WAIT\_ACCUMULATED(seconds) = 58.374

LOG\_HADR\_WAIT\_COUNT = 11768

HADR\_LOG\_GAP(bytes) = 0

HADR\_LAST\_TAKEOVER\_TIME = NULL

aztdbdr30002:db2dr3 56> db2 list active databases

Active Databases

Database name = DR3

Applications connected currently = 0

Database path = /db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/

aztdbdr30002:db2dr3 57>

1. Test the manual failover to the secondary node (aztdbdr30002.azt0201.azure.local)

aztdbdr30002:db2dr3 57> db2 takeover hadr on database DR3

SQL1770N Takeover HADR cannot complete. Reason code = "1".

aztdbdr30002:db2dr3 58> db2 takeover hadr on database DR3 by force

DB20000I The TAKEOVER HADR ON DATABASE command completed successfully.

aztdbdr30002:db2dr3 59> db2pd -alldbs -hadr | grep HADR

HADR\_ROLE = PRIMARY

HADR\_SYNCMODE = SYNC

HADR\_STATE = DISCONNECTED

HADR\_FLAGS =

HADR\_CONNECT\_STATUS = DISCONNECTED

HADR\_CONNECT\_STATUS\_TIME = 09/19/2023 09:02:41.124358 (1695114161)

HADR\_TIMEOUT(seconds) = 120

LOG\_HADR\_WAIT\_CUR(seconds) = 0.000

LOG\_HADR\_WAIT\_RECENT\_AVG(seconds) = 0.000000

LOG\_HADR\_WAIT\_ACCUMULATED(seconds) = 0.000

LOG\_HADR\_WAIT\_COUNT = 0

HADR\_LOG\_GAP(bytes) = 0

HADR\_LAST\_TAKEOVER\_TIME = 09/19/2023 09:04:52.000000 (1695114292)

aztdbdr30002:db2dr3 60> db2 list active databases

Active Databases

Database name = DR3

Applications connected currently = 0

Database path = /db2/DR3/db2dr3/NODE0000/SQL00001/MEMBER0000/

aztdbdr30002:db2dr3 61>