2539644 - Reclaim datavolume effected by data backup and system replication SAP HANA

Version	2	**Type**	SAP Knowledge Base Article
Language	English	**Master Language**	English
Release Status	Released to Customer	**Category**	How To
Component	HAN-DB-HA (SAP HANA High Availability (System Replication, etc.))	**Released On**	27.02.2018

Please find the original document at **https://launchpad.support.sap.com/#/notes/2539644**

Symptom

- You are trying to run a data volume reclaim to reduce the size of the data volume.
- System replication is causing issues for the data volume reclaim due to snapshots on the primary.
- You implemented the parameter changes recommended from KBA 1999880 - FAQ: SAP HANA System Replication - Point 19: 'How can RECLAIM DATAVOLUME be executed when system replication is active?'
- The reclaim is running for so long it is failing when daily backup runs with the following error:

- `Could not execute 'alter system reclaim datavolume <host>120 defragment' in <hours: mins:sec>.`

- `SAP DBTech JDBC: [2]: general error: Shrink canceled, probably because of snapshot pages.`

- How can you stop the daily backup causing the volume reclaim to cancel?
- Is there any way to tell the progress of the data volume reclaim? i.e. how far through is it?
- Is there any further advice for large data volume reclaims?

Environment

SAP HANA 1.0

Cause

- System replication is causing issues for the data volume reclaim due to snapshots on the primary.
- The reclaim is running for so long it is failing when daily backup runs with the following error.

Resolution

Refer to KBA 2400005 'FAQ SAP HANA Persistence' under 'How can the persistence be defragmented'.

See also

KBA 1999880 'FAQ SAP HANA System Replication' under 'How can RECLAIM DATAVOLUME be executed when system replication is active'.

Keywords

RECLAIM, datavolume, defragment

Products

SAP HANA 1.0, platform edition

Other Components

Component	Description
HAN-DB-PER	SAP HANA Database Persistence

This document refers to

SAP Note/KBA	Title
2400005	FAQ: SAP HANA Persistence
1999880	FAQ: SAP HANA System Replication