



Configuring log backups

Snap Creator Framework

NetApp
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Configuring log backups

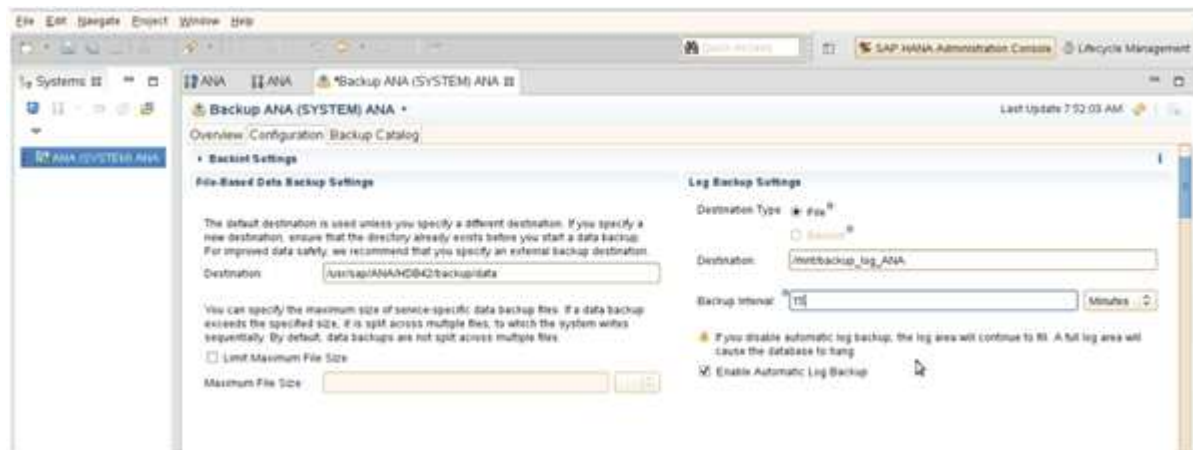
Log backups should be stored on a different storage system than the primary storage. The storage system that is used for the data backup can also be used for the log backup.

At the secondary storage, a volume needs to be configured to hold the log backups. Ensure that automatic Snapshot copies are switched off for this volume.

1. Mount the volume at each database node, either by running the mount command or editing the file system table (fstab) file.

```
hana2b:/vol/backup_log_ANA /mnt/backup_log_ANA nfs
rw,bg,vers=3,hard,timeo=600,rsize=65536,wsiz=65536,actimeo=0,noatime
0 0
```

Within SAP HANA Studio, the log backup destination is configured as shown in the following figure.



Housekeeping of log backups

Housekeeping of log backups in SAP HANA is based on a function within the HANA Studio or based on an SQL statement that allows deleting all backups that are older than a selected backup.

Snap Creator handles the housekeeping of data backups (Snapshot copies) by deleting the Snapshot copies on the primary or secondary storage and by deleting the corresponding entries within the HANA catalog, based on a defined retention policy.

The log backups that are older than the latest data backup are deleted because they are not required.

Snap Creator handles the housekeeping of log file backups on file system level and within the SAP HANA backup catalog. As part of each Snapshot backup with Snap Creator, the following steps are executed:

- Read backup catalog and obtain the backup ID of the oldest successful data or Snapshot backup.
- Delete all backups that are older than the oldest backup.



Snap Creator only handles housekeeping for backups based on Snapshot copies. If additional file-based backups are created, you must ensure that the file-based backups are deleted from the backup catalog and file system. If such a data backup is not deleted manually from the backup catalog, it can become the oldest data backup, and the log backup housekeeping operation will fail.

Modifying the housekeeping of log backups

You can modify the parameters that are configured for the housekeeping of log backups if you want to disable the log cleanup operation.

1. Select the SAP HANA profile that you want to modify.
2. Select the configuration you want to modify, and click **SAP HANA Settings**.
3. Edit the Enable LOG cleanup parameter, and click **Save**.

The screenshot shows the 'SAP HANA Settings' dialog box. The 'Enable LOG Cleanup' parameter is set to 'No'. Other parameters include SID (SCN), Nodes (10.232.30.18), Username (SYSTEM), Instance number (14), and Path to hdbtool (/usr/sap/SCN/HDB14/exe/hdbtool).

Actions	Reload	Save
General	Connection	Volumes
Snapshot settings	Snapshot error settings	Snapshot fault settings
Clone settings	OnCommandDFM	Archive Log Management
SAP HANA	HANA P	
HANA Integrity Check Settings	Agent	Event settings
Commands		
SID:	SCN	
Authenticator Keys:		
Nodes:	10.232.30.18	
Username:	SYSTEM	
Password:	
Instance number:	14	
Path to hdbtool:	/usr/sap/SCN/HDB14/exe/hdbtool	
OSDB User:		
Enable LOG Cleanup:	No	

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