

Header Data

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Component HAN-DB-BAC SAP HANA Backup & Recovery
Priority Recommendations / Additional Info
Category FAQ

Symptom

A recovery of SAP HANA database fails. The file "backup.log" contains the error messages: "recovery strategy could not be determined" and "Catalog backup not found".

Reason and Prerequisites

The backup catalog that the database created is not available or defective.

All data backups and log backups that are required for a recovery are available in the file system of the database server. Note that the backups from a connected backup tool and storage snapshot backups are not transferred to the new backup catalog. They can therefore not be used for a recovery.

You are using at least one SAP HANA database of Revision 54 or higher.

Solution

You can use the program "hdbbackupdiag" to create a new backup catalog.

For this, you provide all the data backups and log backups in the file system of the database server. If you cannot use the standard paths for data backups and log backups due to space restrictions, you can also save the files in different directories. Note that all files of the data backup must be saved to one directory. However, log backups can be distributed across multiple directories.

To do this, start the program hdbbackupdiag with the following options:

```
--generate
--dataDir <directory of the data backups>
--logDirs <directories of the log backups>
-d <target directory of the backup catalog>
```

All directories must be specified as absolute paths.

For a standard installation, the call is as follows, for example:

```
hdbbackupdiag --generate --dataDir $DIR_INSTANCE/backup/data --logDirs
$DIR_INSTANCE/backup/log -d $DIR_INSTANCE/backup/log
```

If you have distributed the log backup across multiple directories, you can specify them behind the option --logDirs separated by commas. For example:

```
hdbbackupdiag --generate --dataDir $DIR_INSTANCE/backup/data --logDirs
$DIR_INSTANCE/backup/log,/mnt/disc2/log -d $DIR_INSTANCE/backup/log
```

When you call "hdbbackupdiag", the content of the specified directories is analyzed and a new backup catalog is generated. The system analyzes the specified directories recursively, that is, each directory and all of its subdirectories. This backup catalog is created with a directory for the log backup that is specified with -d. The new backup catalog has the file name "log_backup_0_0_0.n" where n is the newly generated backup ID of the database.

To be able to verify the content of the backup catalog, you can output the recovery strategy that is based on the latest data backup in the generated backup catalog. For this, use the command

```
hdbbackupdiag -d <target directory of the backup catalog>
```

After you generate the backup catalog, a recovery of the database may be carried out.

In case the backup catalog is not created in the standard directory \$DIR_INSTANCE/backup/log, you must specify the directory in which the backup catalog is located in the Recovery Wizard in the step "Locate Log Backups".

Validity

References

This document refers to:

SAP Notes

- 1910535 [Recovery of SAP HANA database not possible](#)
- 1852242 [Confusion about file-based backup catalog naming](#)
- 1817703 [Archiving file system-based backups](#)
- 1816483 [Restore when log backups are missing](#)
- 1812980 [Changes to the backup catalog as of Revision 45](#)
- 1749467 [Copying SAP HANA From a Multiple- to a Single-Host System](#)

This document is referenced by:

SAP Notes (6)

- 1852242 [Confusion about file-based backup catalog naming](#)
- 1910535 [Recovery of SAP HANA database not possible](#)
- 1812980 [Changes to the backup catalog as of Revision 45](#)
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