



# **SAP HANA File-Based Backup and Database Integrity Checks**

## **Snap Creator Framework**

NetApp

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# SAP HANA File-Based Backup and Database Integrity Checks

SAP recommends combining storage-based Snapshot backups with a weekly file-based backup to execute a block integrity check. The block integrity check can be executed from within the Snap Creator graphical user interface (GUI) or command line interface (CLI).

The File-Based Data Backup operation is used when the backup copies of files are to be retained. The Database Integrity Checks operation is used when backup copies have to be discarded.

You can configure either one or both of the operations. During on demand backup, you can choose either one of the operations.

## Modifying configuration for File-Based Backup

You can modify the parameters that are configured for File-Based Backup. The subsequent scheduled or on-demand File-Based Backup operation reflects the updated information.

1. Click on the SAP HANA profile.
2. Select the configuration that you want to modify, and click **HANA File Based Backup Settings**.



3. Edit the information, and click **Save**.

## Modifying configuration for Database Integrity Checks

You can modify the parameters that are configured for Database Integrity Checks. The subsequent scheduled or on-demand Integrity Check operation reflects the updated information.

1. Click on the SAP HANA profile.
2. Select the configuration that you want to modify, and click **HANA Integrity Check Settings**.



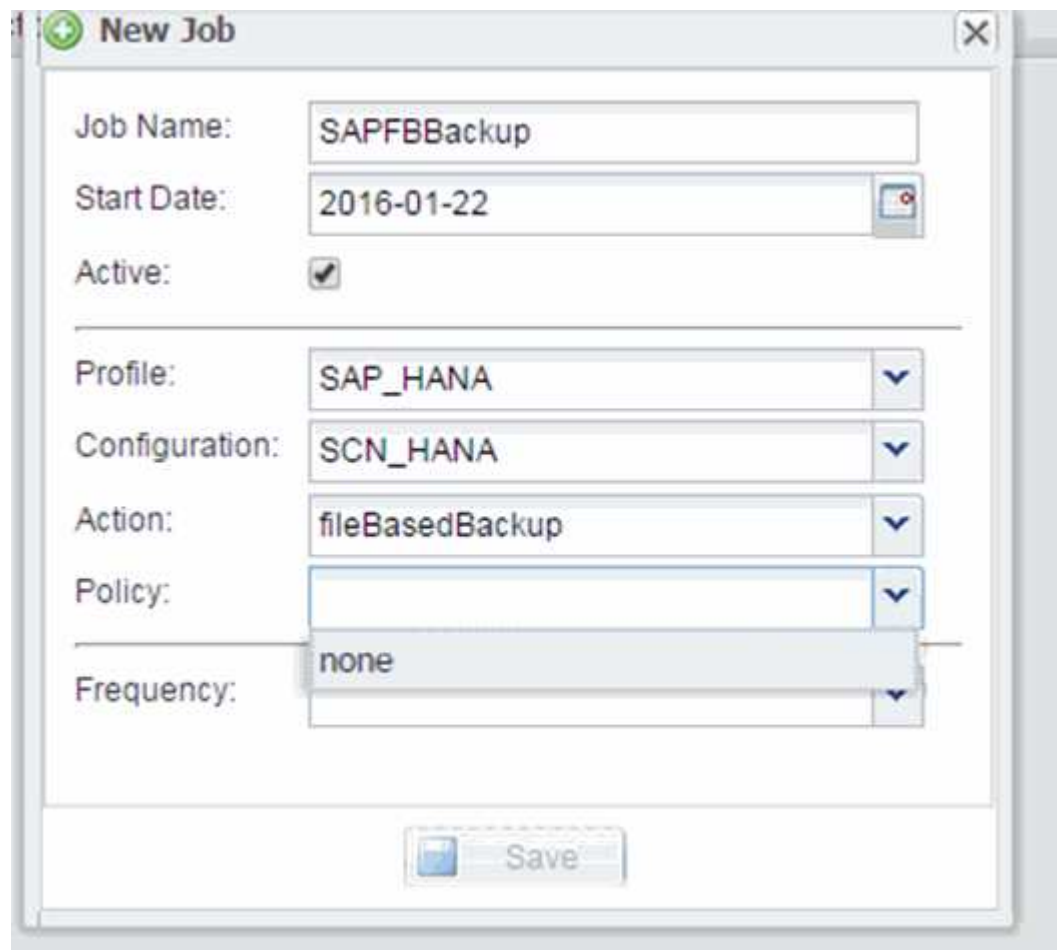
3. Edit the information, and click **Save**.

## Scheduling file-based backup

For SAP HANA configurations, you can schedule additional operations such as file-based backup and database integrity checks. You can schedule the file-based backup operation to occur at specific intervals.

1. From the main menu of the Snap Creator GUI, select **Management > Schedules**, and click **Create**.
2. In the New Job window, enter the details for the job.

The file-based backup policy is set to “none” by default.

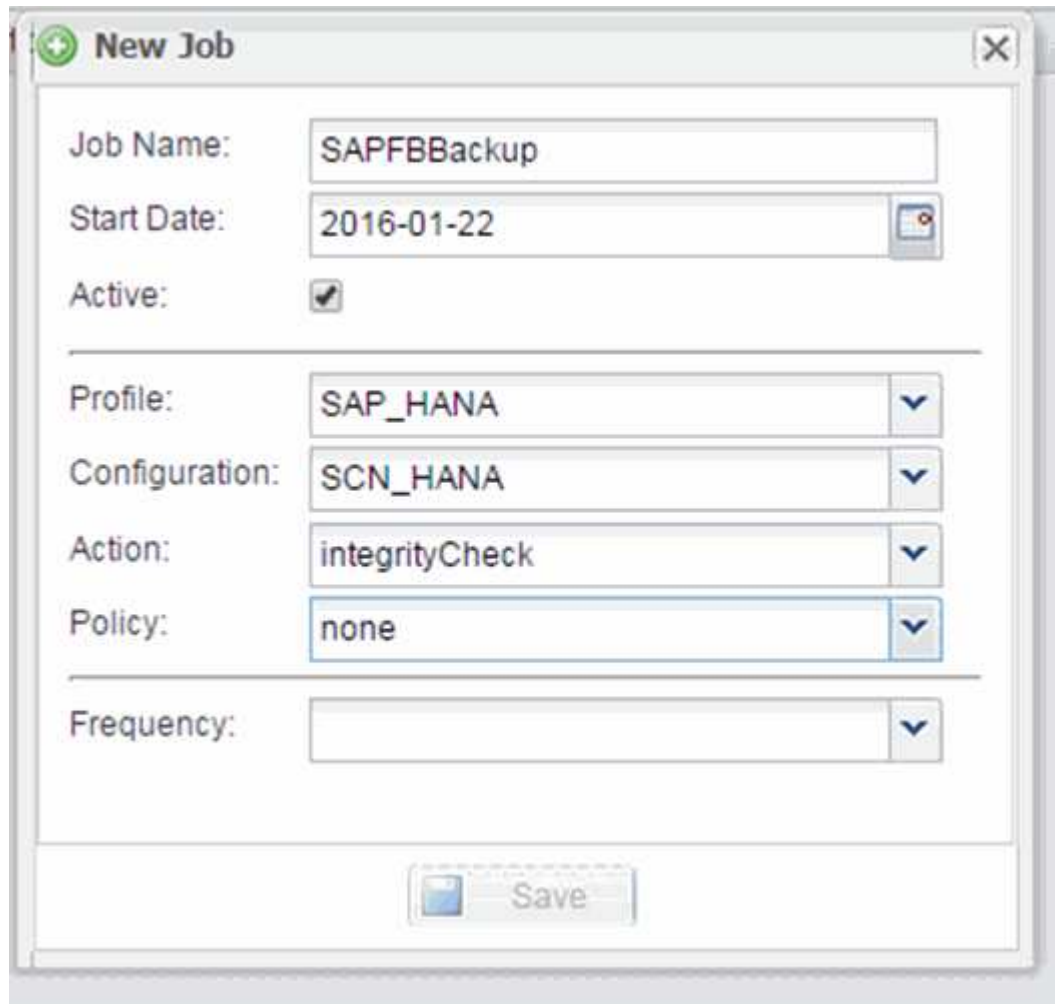


# Scheduling database integrity checks

For SAP HANA configurations, you can schedule additional operations such as file-based backup and database integrity checks. You can schedule the database integrity checks operation to occur at specific intervals.

1. From the main menu of the Snap Creator GUI, select **Management > Schedules**, and click **Create**.
2. In the New Job window, enter the details for the job.

The integrity check policy is set to “none” by default.



The screenshot shows the 'New Job' dialog box with the following fields and values:

- Job Name: SAPFBBBackup
- Start Date: 2016-01-22
- Active: ☒
- Profile: SAP\_HANA
- Configuration: SCN\_HANA
- Action: integrityCheck
- Policy: none
- Frequency: (empty)

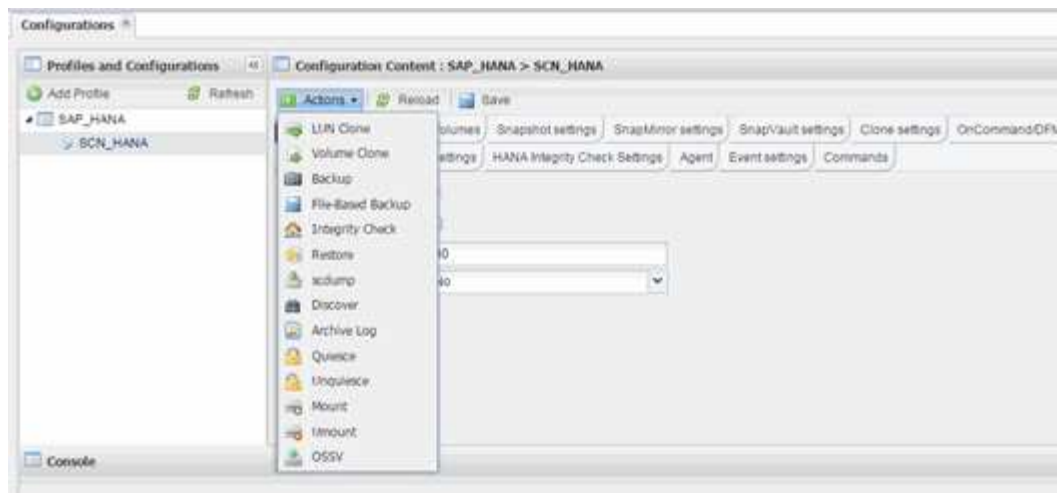
A 'Save' button is located at the bottom of the dialog.

## Performing File-Based Backup from the Snap Creator GUI

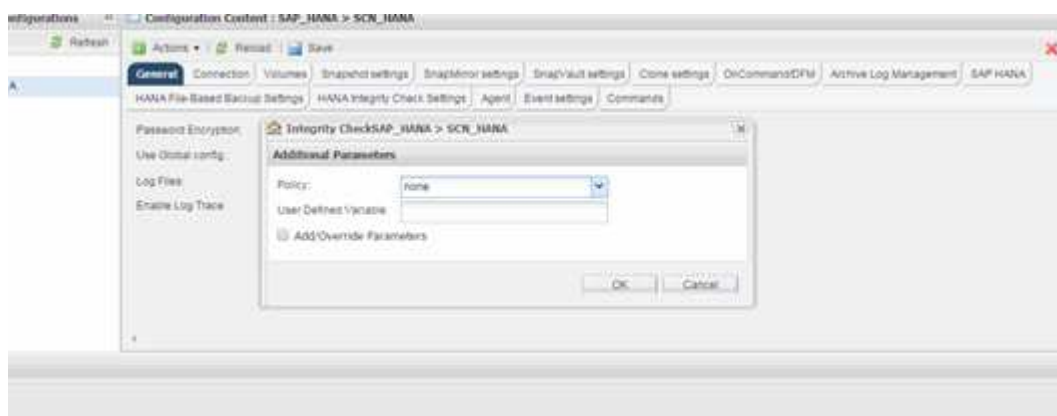
You can perform File-Based Backup from the Snap Creator graphical user interface (GUI).

You must have enabled the File-Based Backup parameter in the HANA File-Based Backup Settings tab.

1. Select the HANA\_database\_backup configuration.
2. Select **Actions > File-Based Backup**.



3. Set the Policy option to **None**, and click **OK**.



## Performing File-Based Backup from Snap Creator command line

You can perform File-Based Backup using the Snap Creator command line.

1. To perform File-Based Backup, run the following command:

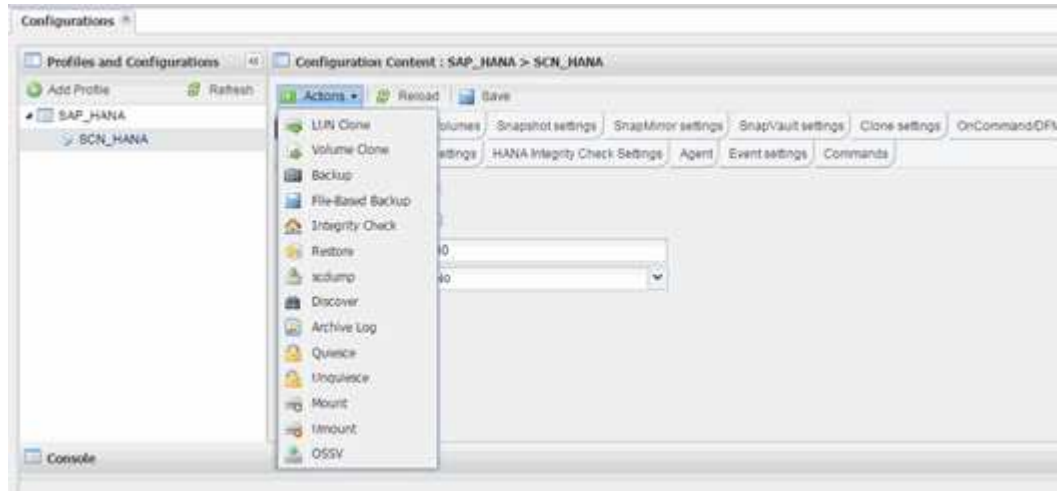
```
./snapcreator --server localhost --port 8443 --user sc --passwd sc
--profile hana_testing --config HANA_Test --action fileBasedBackup
--policy none --verbose
```

## Performing Database Integrity Checks from Snap Creator GUI

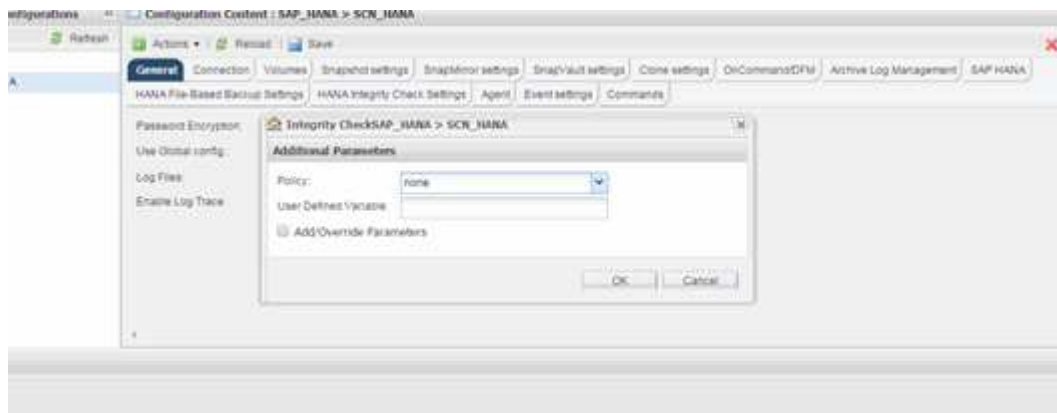
You can perform Database Integrity Checks from the Snap Creator graphical user interface (GUI).

You must have enabled the DB Integrity Check parameter in the HANA Integrity Check Settings tab.

1. Select the HANA\_database\_integrity\_check configuration.
2. Select **Actions > Integrity Check**.



3. Set the Policy option to **None**, and click **OK**.



## Performing Database Integrity Checks from Snap Creator command line

You can perform Database Integrity Checks using the Snap Creator command line.

1. To perform Database Integrity Checks, run the following command:

```
./snapcreator --server localhost --port 8443 --user sc --passwd sc  
--profile hana_testing --config HANA_Test --action integrityCheck  
--policy none --verbose
```

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