

Import Backup

OPERATING INSTRUCTIONS

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1 Description

This instruction describes how to import a backup from an external storage system or from a local storage location.

Import is used to make a backup locally available on the Managed Element (ME) after the backup has previously been exported and deleted from the ME. Import can be done before a coming backup restore operation or as preventive maintenance to ensure that important backups are locally available.

A backup can be imported for System Data or User Data.

Note: Avoid importing a non-locally exported backup, as it results in a restore failure.

2 Procedure

2.1 Import Backup

Prerequisites

- No documents are required.
- No tools are required.
- The following condition must apply:
 - This feature requires that the `LDE-BRF-SCRIPT` or another storage owner participant that supports this feature is installed.
 - This feature requires Export Import Agent (EIA) with support for protocol to be used for transfer, for example SFTP or File Management (FileM).
 - No other backup operation is in progress.
 - The backup type is known.
 - The name of the backup to import is known.
 - If importing from an external storage location, the SFTP Uniform Resource Identifier (URI) of where the backup is to be imported from is known. If the SFTP URI requires a password, the password is known.



The format of the SFTP URI is as follows: `sftp://<user_id>@<hostname_or_IP_address>/<remote_destination_directory>/<backup_file_name>`

- If importing from a local storage location using the FileM protocol, the backup folder is known. By default, Backup and Restore Management (BRM) creates the `BackupAndRestoreManagementFiles` folder to store local backups. It is possible to create subfolders within `BackupAndRestoreManagementFiles`.

The format of the FileM URI is as follows: `file:///BackupAndRestoreManagementFiles/<backup_file_name>`

- An Ericsson Command-Line Interface (ECLI) session in Exec mode is in progress.

Steps

1. Navigate to the *BrmBackupManager* managed object, for example:

```
>dn ManagedElement=NODE06ST,SystemFunctions=1,BrM=1,BrmBackupManager=SYSTEM_DATA
```

2. Start the import operation. A backup can be imported from a remote server or a local directory.

- To import from a remote server, for example:

```
(BrmBackupManager=SYSTEM_DATA)>importBackup --uri "sftp://hostuser1@host1/home/hostuser1/PERF_BACKUP_NAME1_20140428_175907.tar.gz" --password "hostuser1pw"
```

Where:

- `hostuser1@host1` is the `<user_id>@<hostname_or_IP_address>` of the remote server.
- The `<hostname_or_IP_address>` must be enclosed by [] for IPv6.
- `/home/hostuser1/` is the remote destination directory of the remote server.
- `PERF_BACKUP_NAME1_20140428_175907.tar.gz` is an example of the filename of the backup.
- `hostuser1pw` is the password of the remote server. This password is optional. If a password is not required to access the URI, leave out the `--password` parameter.
- To import from a local file directory, for example:



```
(BrmBackupManager=SYSTEM_DATA)>importBackup --uri
"file:///BackupAndRestoreManagementFiles/BACKUP_NAME
1_20140428_175907.tar.gz"
```

Where:

- BackupAndRestoreManagementFiles is the local directory where the backup was exported. Backups can be exported to a subfolder under the BackupAndRestoreManagementFiles folder.
- BACKUP_NAME1_20140428_175907.tar.gz is an example of the filename of the backup.

The system returns output `true` when the process starts.

Note:

- BRM supports the import of files with GZIP and TAR formats.
- To cancel the import of a backup, type `cancelCurrentAction`.

3. Verify that the backup is imported.

```
(BrmBackupManager=SYSTEM_DATA) >show progressReport
```

Note: As this is a long-running operation, it can be required to enter the command several times until the final operation result is shown in the progress report.

After a backup is successfully imported, the following shows an example of the progress report:

```
[...]
actionName="IMPORT"
additionalInfo="Import Backup for PERF_BACKUP_NAME1_20140428_175907:⇒
Succeeded"
progressInfo=""
progressPercentage=100
result=SUCCESS
resultInfo="PERF_BACKUP_NAME1_20140428_175907 was imported ⇒
successfully
state=FINISHED
[...]
```

If an error occurs during the execution of the operation, the progress report shows `result=FAILURE` and `additionalInfo` shows the cause of the failure. The cause can be an invalid URI, a password error, backup integrity issues, or communication issues.

To cancel the ongoing backup import, use action `cancelCurrentAction`.



The name of the imported backup is listed at the end of the progress report along with other available backups. For more information on the progress report, refer to *View Progress Report*.