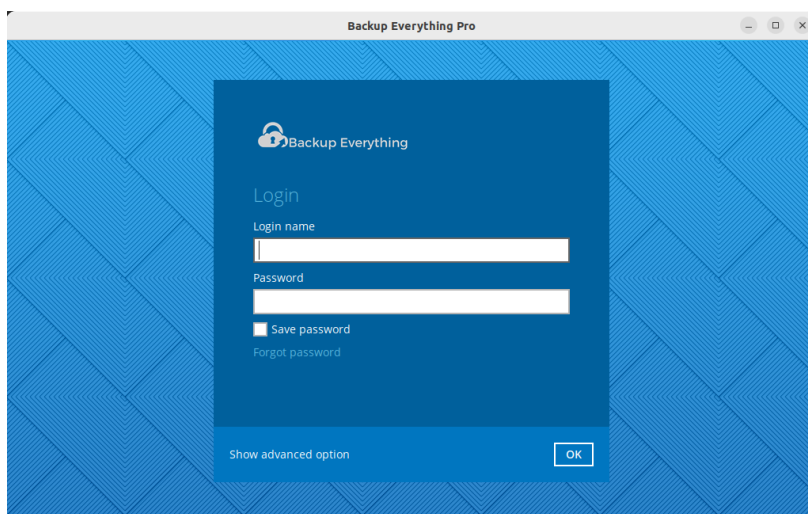


Linux Restore Guide

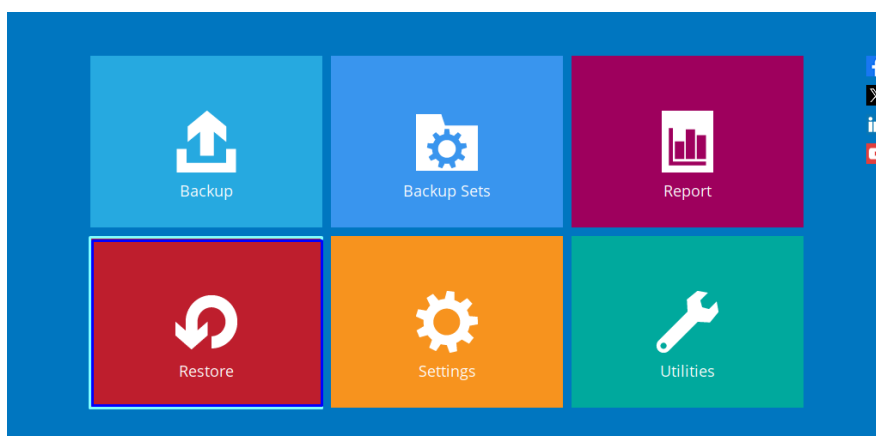
Method 1: GUI

Steps:

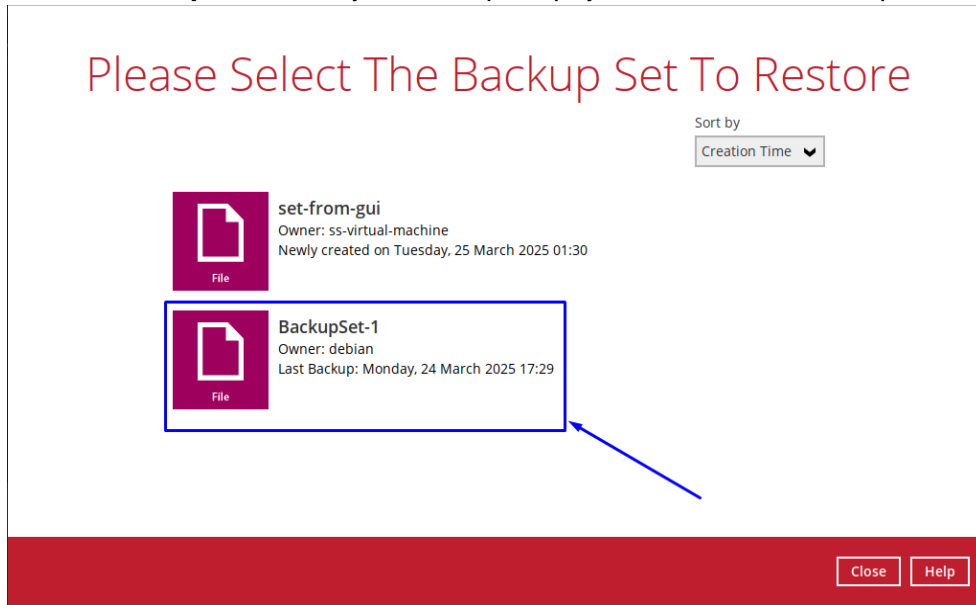
1. **Login to GUI:** Use your credentials to log in to the graphical user interface.



2. **Open Restore Menu:** Click on the "Restore" menu option.

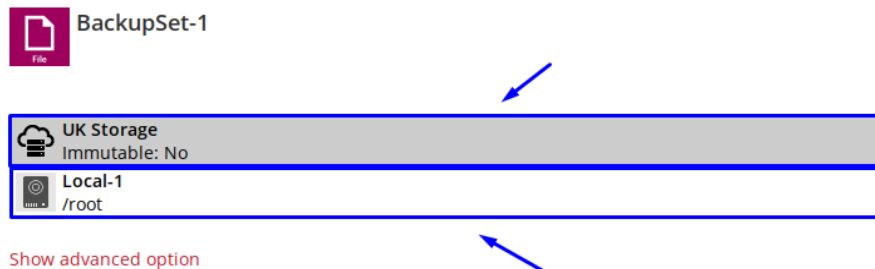


3. **Select Backup Set:** The system will prompt you to choose a backup set.



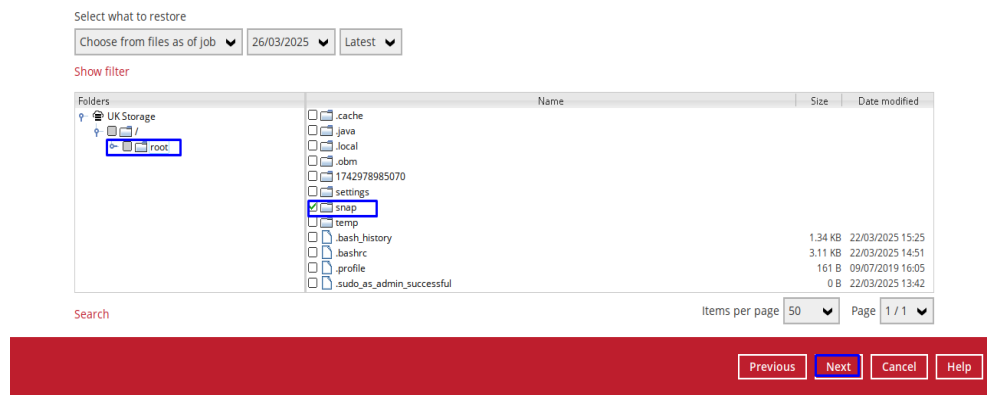
4. **Choose Backup Destination:** The system will ask for the location where the backup is stored. Options include:

- Local Storage
- UK Storage



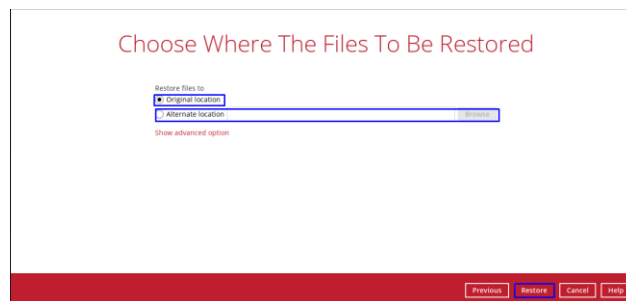
5. **Select Files for Restoration:** Choose the specific files or directories you want to restore.

Select Your Files To Be Restored



6. Choose Restore Location:

- "Original Location" (restores files to their original path)
- "Custom Location" (allows you to specify a new restore destination)



7. Start Restore Process: Click "Restore" to begin the process.

8. Wait for Completion: The system will restore the files to the specified location.

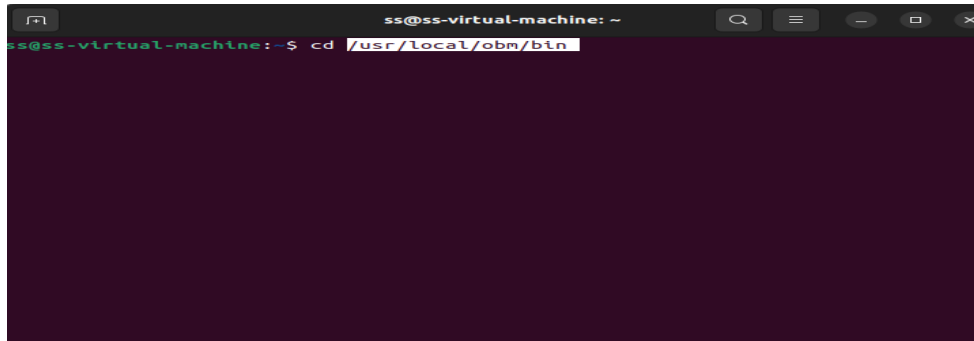


Method 2: CLI

Steps:

1. **Navigate to Backup Directory:**

```
cd /usr/local/obm/bin
```



2. **Modify Restore Script:**

```
sudo nano Restore.sh
```

3. **Update Restore.sh Configuration:** Open the `Restore.sh` script and configure the following settings:

- `BACKUP_SET`: Name of the backup set to restore.
- `DESTINATION`: Backup storage location (leave blank if only one exists). **(Cloud Destination Name : UK Storage [always])**
- `RESTORE_TO`: Directory where files will be restored (leave blank for the original location).
- `RESTORE_FROM`: Files or directories to restore.
- `POINT_IN_TIME`: Backup timestamp to restore from (use `Current` for the latest backup).
- `RESTORE_PERMISSION`: Set file permissions after restore (Y/N).
- `SKIP_INVALID_KEY`: Skip files with invalid keys (Y/N).
- `SYNC_OPTION`: Delete extra files when restoring (options: `Y`, `N`, or leave blank to prompt).
- `REPLACE_EXISTING_FILE`: Choose whether to replace files:
 - `--all`: Replace all existing files.
 - `--none`: Skip existing files.
 - Leave blank to prompt user.
- `SETTING_HOME`: Directory where settings are stored.
- `FILTER`: Specify file filters for restore.
- `TEMP_DIR`: Temporary directory used during restore.
- `VERIFY_CHKSUM`: Enable checksum verification (Y/N).

Example of the Restore.sh

```
# /bin/sh
##### Restore.sh #####
# You can use this shell script to restore backup files using command- # line. #
# Just customize the "User Define Section" below with values for your # restore action. #
#####
##### Start: User Defined Section #####
# ----- BACKUP_SET -----
# | The name or ID of the backup set that you want to restore. |
# | If backup set name is not in English, please use ID instead. |
# | e.g. BACKUP_SET="1119083740107" |
# | or BACKUP_SET="FileBackupSet-1" |
# | |
# | You can leave this parameter blank if you have only 1 backupset. |
# -----
BACKUP_SET="BackupSet-1" (Example)
# ----- DESTINATION -----
# | The name or ID of the backup destination that you want to restore | # | from.
# | If backup destination name is not in English, please use ID instead.
# | e.g. DESTINATION="1740107119083"
# | or DESTINATION="Destination-1"
# | |
# | You can leave this parameter blank if you have only 1 destination. |
# -----
DESTINATION="UK Storage" ( IF Local Set Local Destination Name)
# ----- RESTORE_TO -----
# | Directory to where you want files to be restored
# | set to "" to restore files to original location
# | e.g. RESTORE_TO="/tmp"
# | |
# -----
RESTORE_TO="/root" ( Example)
# ----- RESTORE_FROM -----
# | File/Directory on the backup server that you would like to restore |
# | e.g. RESTORE_FROM="/Data"
# | |
# -----
RESTORE_FROM="/root/Documents" ( Example)
# ----- POINT_IN_TIME -----
# | The point-in-time snapshot (successful backup) that you want to | # | restore
# | from the backup server. Use "Current" for the latest backup snapshot
# | e.g. POINT_IN_TIME="2006-10-04-12-57-13"
# | or POINT_IN_TIME="Current"
# | |
# | You can retrieve the point in time by using the ListBackupJob.sh |
# -----
POINT_IN_TIME="Current"
# ----- RESTORE_PERMISSION -----
# | set to "Y" if you want to restore file permissions
# | set to "N" if you do NOT want to restore file permissions
# | |
# -----
RESTORE_PERMISSION="N"
# ----- SKIP_INVALID_KEY -----
# | set to "Y" if you want to skip restore file with invalid key
# | set to "N" if you want to prompt user to input a correct key
# | |
# -----
SKIP_INVALID_KEY="N"
# ----- SYNC_OPTION -----
# | Delete extra files
# | set to "Y" if you want to enable sync option
# | set to "N" if you do NOT want to enable sync option
# | set to "" to prompt for selection
# | |
# -----
SYNC_OPTION="N"
# ----- REPLACE_EXISTING_FILE -----
# | set to "--all" to replace all existing file(s) of the same filename|
# | set to "--none" to skip all existing file(s) with the same filename|
# | set to "" to prompt for selection
# | |
# -----
REPLACE_EXISTING_FILE="--all"
# ----- SETTING_HOME -----
# | Directory to your setting home.
# | Default to ${HOME}/.obm when not set.
# | e.g. SETTING_HOME="${HOME}/.obm"
# | |
# -----
SETTING_HOME=""
# ----- FILTER -----
# | Filter out what files you want to restore
# | -Pattern=xxx-Type=yyy-Target=zzz
# | where xxx is the filter pattern,
# | yyy is the filter type, which can be one of the following:
# | [exact | exactMatchCase | contains | containsMatchCase]
# | startWith | startWithMatchCase | endWith | # [endWithMatchCase]
# | zzz is the filter target, which can be one of the following:
# | [toFile | toFileDir | toDir]
# | |
# | e.g. FILTER="-Pattern=txt-Type=exact-Target=toFile"
# | |
# -----
FILTER=""
# ----- TEMP_DIR -----
# | Directory to where you want to store restore files temporarily
# | set to "" to use the temporary directory in the backup set
```

```

# | e.g. TEMP_DIR="/tmp"
# -----
TEMP_DIR="/tmp" ( Example)
# ----- VERIFY_CHKSUM -----
# | set to "Y" if you want to verify in-file delta file checksum during| # |restore
# | set to "N" if you do NOT want to verify in-file delta file checksum| # | during restore
# -----
VERIFY_CHKSUM="N"
##### END: User Defined Section #####
#####
# RETRIEVE APP_HOME PATH # # #
#####

```

4. **Save and Exit:**
 - Press **CTRL+X**, then **Y**, then **Enter** to save changes.
5. **Run Restore Script:**
sudo bash Restore.sh

```

root@debian:/usr/local/obm/bin# sudo bash Restore.sh
Using APP_HOME:           : /usr/local/obm
Using BACKUP_SET          : BackupSet-1
Using RESTORE_FROM       : /root/Documents
Using RESTORE_TO         : /root
Using POINT_IN_TIME      : Current
Using RESTORE_PERMISSION : N
Using TEMP_DIR           : /tmp
Filter Pattern not set, filter would not apply to restore

```

```

[2025-03-26 16:03:59] Selected job: 2025-03-26-16-03-45
[2025-03-26 16:03:59] Selected source: [/root/Documents]
[2025-03-26 16:03:59] Info: [followLink=false marshalTargetPath=false deleteFor
ync=false skipFaultKey=false verifyDeltaFileChecksum=false ignoreSegmentInfoCor
uptedData=true restorePermission=false [RestoreLocation] type=RAW path=[/root]]
[2025-03-26 16:04:04] Backup Set BackupSet-1 (1743018986956) - UK Storage (-169
562423133) Using Temporary Directory /tmp
[2025-03-26 16:04:06] Max concurrent BAK file restore tasks: 2
[2025-03-26 16:04:06] Max cached buffered RandomAccessFile: 2048
[2025-03-26 16:04:06] Creating new directory... "/root/root"
[2025-03-26 16:04:06] Creating new directory... "/root/root/Documents"
[2025-03-26 16:04:06] Total Downloaded Size = 0 B
[2025-03-26 16:04:06] Total Restored Size = 0 B
[2025-03-26 16:04:06] Total Restored File = 0
[2025-03-26 16:04:06] Restore Completed Successfully
[2025-03-26 16:04:06] end,RESTORE_STOP_SUCCESS,0,0,0,,0,0

```

6. **Monitor the Process:** The system will restore the files based on the specified configuration.