Rocky Enterprise Linux 9.2 Manual Pages on command 'btrfs-send.8'

$ man btrfs-send.8

BTRFS-SEND(8)   Btrfs Manual   BTRFS-SEND(8)

NAME

    btrfs-send - generate a stream of changes between two subvolume snapshots

SYNOPSIS

    btrfs send [-ve] [-p <parent>] [-c <clone-src>] [-f <outfile>] <subvol> [<subvol>...]

DESCRIPTION

    This command will generate a stream of instructions that describe changes between two

    subvolume snapshots. The stream can be consumed by the btrfs receive command to replicate

    the sent snapshot on a different filesystem. The command operates in two modes: full and

    incremental.

    All snapshots involved in one send command must be read-only, and this status cannot be

    changed as long as there?s a running send operation that uses the snapshot.

    In the full mode, the entire snapshot data and metadata will end up in the stream.

    In the incremental mode (options -p and -c), previously sent snapshots that are available

    on both the sending and receiving side can be used to reduce the amount of information

    that has to be sent to reconstruct the sent snapshot on a different filesystem.

    The -p <parent> option can be omitted when -c <clone-src> options are given, in which case

    btrfs send will determine a suitable parent from among the clone sources.

    You must not specify clone sources unless you guarantee that these snapshots are exactly

    in the same state on both sides?both for the sender and the receiver. For implications of

    changed read-write status of a received snapshot please see section SUBVOLUME FLAGS in

    btrfs-subvolume(8).

    Options

-e

   if sending multiple subvolumes at once, use the new format and omit the end cmd marker

   in the stream separating the subvolumes

-p <parent>

   send an incremental stream from parent to subvol

-c <clone-src>

   use this snapshot as a clone source for an incremental send (multiple allowed)

-f <outfile>

   output is normally written to standard output so it can be, for example, piped to

   btrfs receive. Use this option to write it to a file instead.

--no-data

   send in NO_FILE_DATA mode

   The output stream does not contain any file data and thus cannot be used to transfer

   changes. This mode is faster and is useful to show the differences in metadata.

   -q|--quiet:::: (deprecated) alias for global -q option -v|--verbose:: (deprecated)

   alias for global -v option

Global options

-q|--quiet

   suppress all messages except errors

-v|--verbose

   increase output verbosity, print generated commands in a readable form

EXIT STATUS

   btrfs send returns a zero exit status if it succeeds. Non zero is returned in case of

   failure.

AVAILABILITY

   btrfs is part of btrfs-progs. Please refer to the btrfs wiki http://btrfs.wiki.kernel.org

   for further details.

SEE ALSO

   mkfs.btrfs(8), btrfs-receive(8), btrfs-subvolume(8)

Btrfs v5.16.2   02/16/2022   BTRFS-SEND(8)