

NAME

bupcnf - configuration backup utility

SYNOPSIS

```
bupcnf [-v] [-e] [-r] [-w max] { [-d host] [-p port] [-s] | [-m address] }
```

DESCRIPTION

Bupcnf is a tool to make configuration backups of a TUNIX firewall. A configuration backup is the collection of configuration files that turns an out-of-the-box TUNIX firewall into a customized firewall by installing the backup and rebooting the system. For this to work the standard firewall must be at the exact same patchlevel as the firewall on which the configuration backup was made.

The backup is written in the configuration backup directory (see below) as a triple-DES encoded, gzipped, tar-file containing all the essential configuration files plus a collection of data files reflecting the current system setup (hardware and software). The key used for the encryption is looked up in the file `des.key` in the package directory. The key must be at least 16 characters long.

Bupcnf uses a static configuration file to determine the standard file set to backup. Furthermore bupcnf looks for `static.bupcnf` (and for backward compatibility also `config.bupcnf`) files in all active packages (i.e. packages for which an `_nn_package` activation link is present) for package specific files to backup. Finally the custom configuration file `/usr/local/config/config.bupcnf` is read to determine additional files to backup. The behavior of bupcnf is further influenced by command line switches and a number of variables that can be set in `config.bupcnf(5)`.

Bupcnf recognizes the following command line switches:

- v Verbose - redirect messages to the terminal. By default messages are redirected to `/var/log/bupcnf.log`.
- e Export - perform an export by FTP or mail (see below) of the configuration backup after the backup has been made. Note that the exported file is always DES encrypted.
- r Rotate - Rotate previous configuration backups before making a new one. The number of backups to preserve is controlled by the `KEEP` variable which defaults to 6.
- w *max*
Wait - wait a random time between 0 and *max*-1 seconds before starting the export. This option is used to prevent flooding of the TUNIX backup-server during the weekly backups by firewalls under a UG contract. The -w option is silently ignored when the -e flag is not given. See also the `RANDOMWAIT` variable in `config.bupcnf(5)`.

-d *host*

Destination - specify the FTP server (hostname or ip-address) to use for FTP export. See also the DESTINATION variable in `config.bupcnf(5)`.

-p *port*

Port - specify the port number to use for FTP export. See also the PORT variable in `config.bupcnf(5)`.

-s no-SSL - do not use the SSL-capable FTP client but the standard FTP client. This option should be used only for internal backups. Do NOT use this option for backups across the Internet.

-m *address*

Mail - specify the e-mail *address* to export the configuration backup to. *Address* must be a full RFC822 address. The -m flag takes precedence over the other export modification flags i.e. if -m is given the -d, -p, and -s flags are ignored. See also the MAILTO variable in `config.bupcnf(5)`.

EXAMPLES

After arranging access to the default backup server test with:

```
./bupcnf -v -e -w 0
```

To perform a manual export to `ftp.tunix.nl` on port 22 run:

```
./bupcnf -v -e -w 0 -d ftp.tunix.nl -p 22
```

To run a configuration backup with rotation of previous backups and export the new backup through mail (typically used from `cron`) use:

```
./bupcnf -e -r -m somebody@acme.nl
```

FILES

`/usr/local/etc/local/bupcnf`

The package directory.

`/usr/local/etc/local/bupcnf/static.bupcnf`

A static list of files that must always be backedup.

`/usr/local/etc/local/_[0-9]*_*/static.bupcnf`

Package specific configuration files containing file sets to backup.

`/usr/local/etc/local/bupcnf/des.key`

A file containing the DES key used for encryption.

`/usr/local/etc/local/bupcnf/.netrc`

Used by various FTP clients, to automatically perform the necessary FTP-login procedure.

`/usr/local/config/config.bupcnf`

Custom configuration file that contains variables and additional files to backup.

SEE ALSO

`config.bupcnf(5)`, `bupcnf(7)`.

BUGS

Please report bugs to fwsupport@tunix.nl.

AUTHOR

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VERSION

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