NAME

termkey – S/KEY one-time password generator for terminal emulators on PCs

SYNOPSIS

termkey [**dhu**]

DESCRIPTION

The S/KEY™ one-time password system is used to protect host systems from potential intruders who might capture passwords by eavesdropping on networks. The S/KEY system works by using a sequence of one-time passwords that are generated by a single secret key known only to the user.

Termkey is a DOS program that works with terminal emulators and computes the required one-time password. The **termkey** command plants a Terminate and Stay Resident (TSR) program and, in the interactive mode (see option **d** below), prompts the user to define a **hot-key** that will activate that program during the **login** process. The **termkey** TSR will refuse to load if a previous copy of **termkey** has been loaded. To change the **hot-key,** the earlier copy of **termkey** must be unloaded (see the **u** option below) and a new copy initiated.

The user activates the program by pressing the **hot-key** when requested by the system to enter the S/KEY one-time password. When **termkey** is activated, it performs the following steps:

1. Scan the screen for the S/KEY prompt. If the prompt is found, the *seed* and *count* fields from that prompt are used. Otherwise a window pops up to request this information from the user.

2. The user is prompted to supply the secret password. This step is omitted if the file C:\CTRMWORD exists, in which case the first line of this file is used as the secret password.

3. The one-time password is calculated, and inserted into the input stream. As this program is normally activated when the host system is expecting the S/KEY one-time password, it correctly reads this password. As echo is normalled disabled when reading passwords, **termkey** displays the one-time password. Should echo be enabled, the one-time password will appear twice.

OPTIONS

d Use the default value of ALT-F10 as the hot-key.

h Display the list of options.

u Unload the **termkey** TSR. Note that DOS will only allow the unloading of the last TSR to be loaded.

SEE ALSO

key(1), popkey(1), skey(1)

AUTHOR

Written by Neil Haller based on the **key** command the original version of which was written by Phil Karn and John Walden.