apt-search for compiling

Whenever a compile fails with a missing file simply leverage the infrastructure to search for the missing ubuntu package

```
apt-file search   some_missing_file_goes_here   #  cmd 1
apt-file search   X11/extensions/Xcomposite.h   #  cmd 1
```

which returns with

```
libxcomposite-dev: /usr/include/X11/extensions/Xcomposite.h
```

so solution is to install that missing package

```
sudo apt-get install libxcomposite-dev              #  cmd 2
```

this technique works across any missing file

```
apt-file search   X11/extensions/Xcomposite.h
```

```
apt-file search   X11/extensions/Xcomposite.h
```

it will fail with error

```
The program 'apt-file' is currently not installed. To run 'apt-file' please ask your
administrator to install the package 'apt-file'
```

which just means you need to do a one time setup of the local search cache so just run

```
sudo apt-get install apt-file -y
sudo apt-file update
```

re-issue the search shown above (cmd 1) then install package (cmd 2)

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