retry - The command line retry tool

Retry any shell command with exponential backoff or constant delay.

Instructions

Install:

retry is a shell script, so drop it somewhere and make sure it's added to your $PATH. Or you can use the following one-liner:

```
sudo sh -c "curl https://raw.githubusercontent.com/kadwanev/retry/master/retry -o
/usr/local/bin/retry && chmod +x /usr/local/bin/retry"
```

If you're on OS X, retry is also on Homebrew:

```
brew pull 27283
brew install retry
```

Not popular enough for homebrew-core. Please star this project to help.

Usage

Help:

```
retry -?
```

```
Usage: retry [options] -- execute command
    -h, -?, --help
    -v, --verbose                     Verbose output
    -t, --tries=#                     Set max retries: Default 10
    -s, --sleep=secs                  Constant sleep amount (seconds)
    -m, --min=secs                    Exponential Backoff: minimum sleep amount
(seconds): Default 0.3
    -x, --max=secs                    Exponential Backoff: maximum sleep amount
(seconds): Default 60
    -f, --fail="script +cmds"         Fail Script: run in case of final failure
```

Examples

No problem:

```
retry echo u work good
```

```
u work good
```

Test functionality:

```
retry 'echo "y u no work"; false'
```

```
y u no work
Before retry #1: sleeping 0.3 seconds
y u no work
```

```
Before retry #2: sleeping 0.6 seconds
y u no work
Before retry #3: sleeping 1.2 seconds
y u no work
Before retry #4: sleeping 2.4 seconds
y u no work
Before retry #5: sleeping 4.8 seconds
y u no work
Before retry #6: sleeping 9.6 seconds
y u no work
Before retry #7: sleeping 19.2 seconds
y u no work
Before retry #8: sleeping 38.4 seconds
y u no work
Before retry #9: sleeping 60.0 seconds
y u no work
Before retry #10: sleeping 60.0 seconds
y u no work
etc..
```

Limit retries:

```
retry -t 4 'echo "y u no work"; false'
```

```
y u no work
Before retry #1: sleeping 0.3 seconds
y u no work
Before retry #2: sleeping 0.6 seconds
y u no work
Before retry #3: sleeping 1.2 seconds
y u no work
Before retry #4: sleeping 2.4 seconds
y u no work
Retries exhausted
```

Bad command:

```
retry poop
```

```
bash: poop: command not found
```

Fail command:

```
retry -t 3 -f 'echo "oh poopsickles"' 'echo "y u no work"; false'
```

```
y u no work
Before retry #1: sleeping 0.3 seconds
y u no work
Before retry #2: sleeping 0.6 seconds
y u no work
Before retry #3: sleeping 1.2 seconds
y u no work
```

```
Retries exhausted, running fail script
oh poopsickles
```

Last attempt passed:

```
retry -t 3 -- 'if [ $RETRY_ATTEMPT -eq 3 ]; then echo Passed at attempt $RETRY_ATTEMPT;
true; else echo Failed at attempt $RETRY_ATTEMPT; false; fi;'
```

```
Failed at attempt 0
Before retry #1: sleeping 0.3 seconds
Failed at attempt 1
Before retry #2: sleeping 0.6 seconds
Failed at attempt 2
Before retry #3: sleeping 1.2 seconds
Passed at attempt 3
```

License

Apache 2.0 - go nuts