# Tree Kill

Kill all processes in the process tree, including the root process.

# Examples

Kill all the descendent processes of the process with pid 1, including the process with pid 1 itself:

var kill = require('tree-kill');

kill(1);

Send a signal other than SIGTERM.:

var kill = require('tree-kill');

kill(1, 'SIGKILL');

Run a callback when done killing the processes. Passes an error argument if there was an error.

var kill = require('tree-kill');

kill(1, 'SIGKILL', function(err) {

// Do things

});

You can also install tree-kill globally and use it as a command:

tree-kill 1 # sends SIGTERM to process 1 and its descendents

tree-kill 1 SIGTERM # same

tree-kill 1 SIGKILL # sends KILL instead of TERMINATE

# Methods

## require('tree-kill')(pid, [signal], [callback]);

Sends signal signal to all children processes of the process with pid pid, including pid. Signal defaults to SIGTERM.

For Linux, this uses ps -o pid --no-headers --ppid PID to find the parent pids of PID.

For Darwin/OSX, this uses pgrep -P PID to find the parent pids of PID.

For Windows, this uses 'taskkill /pid PID /T /F' to kill the process tree. Note that on Windows, sending the different kinds of POSIX signals is not possible.

# Install

With [npm](https://npmjs.org) do:

npm install tree-kill

# License

MIT

# Changelog

## [1.2.2] - 2019-12-11

### Changed

* security fix: sanitize pid parameter to fix arbitrary code execution vulnerability

## [1.2.1] - 2018-11-05

### Changed

* added missing LICENSE file
* updated TypeScript definitions

## [1.2.0] - 2017-09-19

### Added

* TypeScript definitions

### Changed

* kill(pid, callback) works. Before you had to use kill(pid, signal, callback)

## [1.1.0] - 2016-05-13

### Added

* A tree-kill CLI

## [1.0.0] - 2015-09-17

### Added

* optional callback
* Darwin support