Updating the npm-bundled version of node-gyp

Note: These instructions are (only) tested and known to work with npm 8 and older.

Note: These instructions will be undone if you reinstall or upgrade npm or node! For a more permanent (and simpler) solution, see Force-npm-to-use-global-node-gyp.md. (npm 6 or older only!)

[Many issues](#) are opened by users who are not running a [current version of node-gyp](#).

`npm` bundles its own, internal, copy of `node-gyp`. This internal copy is independent of any globally installed copy of node-gyp that may have been installed via `npm install -g node-gyp`.

This means that while `node-gyp` doesn't get installed into your `$PATH` by default, npm still keeps its own copy to invoke when you attempt to `npm install` a native add-on.

Sometimes, you may need to update npm's internal node-gyp to a newer version than what is installed. A simple `npm install -g node-gyp` *won't* do the trick since npm will still continue to use its internal copy over the global one.

So instead:

Version of npm

We need to start by knowing your version of `npm`:

```
npm --version
```

Linux, macOS, Solaris, etc.

Unix is easy. Just run the following command.

If your npm is version **7 or 8**, do:

```
$ npm explore npm/node_modules/@npmcli/run-script -g -- npm_config_global=false npm
install node-gyp@latest
```

Else if your npm is version **less than 7**, do:

```
$ npm explore npm/node_modules/npm-lifecycle -g -- npm install node-gyp@latest
```

If the command fails with a permissions error, please try `sudo` and then the command.

Windows

Windows is a bit trickier, since `npm` might be installed to the "Program Files" directory, which needs admin privileges in order to modify on current Windows. Therefore, run the following commands **inside a `cmd.exe` started with "Run as Administrator"**:

First we need to find the location of `node`. If you don't already know the location that `node.exe` got installed to, then run:

```
$ where node
```

Now `cd` to the directory that `node.exe` is contained in e.g.:

```
$ cd "C:\Program Files\nodejs"
```

If your npm version is *7 or 8*, do:

```
cd node_modules\npm\node_modules\@npmcli\run-script
```

Else if your npm version is *less than 7*, do:

```
cd node_modules\npm\node_modules\npm-lifecycle
```

Finish by running:

```
$ npm install node-gyp@latest
```