

## console.log to stdout on gulp events

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I want to log to stdout (the config environment) when a [gulp](#) task is running or has run.

Something like this:

```
gulp.task('scripts', function () {  
  var environment = argv.env || 'development';  
  var config = gulp.src('config/' + environment + '.json')  
    .pipe(ngConstant({name: 'app.config'}));  
  var scripts = gulp.src('js/*');  
  
  return es.merge(config, scripts)  
    .pipe(concat('app.js'))  
    .pipe(gulp.dest('app/dist'))  
    .on('success', function() {  
      console.log('Configured environment: ' + environment);  
    });  
});
```

I am not sure what event I should be responding to or where to find a list of these. Any pointers?  
Many thanks.

[javascript](#)[node.js](#)[gulp](#)

asked Jan 15 '15 at 23:50



[Rimian](#)

12.4k ● 6 ● 65 ● 72

## 2 Answers

Gulp's `gulp-util` provides logging and was built by the Gulp team.

```
var gutil = require('gulp-util');
gutil.log('Hello world!');
```

To add logging, [Gulp's API documentation](#) tell us that `.src` returns:

Returns a stream of Vinyl files that can be piped to plugins.

Node.js's [Stream](#) documentation provides a list of events. Put together, here's an example:

```
gulp.task('default', function() {
  return gulp.src('main.scss')
    .pipe(sass({ style: 'expanded' }))
    .on('end', function(){ gutil.log('Almost there...'); })
    .pipe(minifycss())
    .on('end', function(){ gutil.log('Done!'); });
});
```

Note: The `end` event may be called before the plugin is complete (and has sent all of its own output), because the event is called when "all data has been flushed to the underlying system".

answered Jan 16 '15 at 0:58



Jacob Budin

4,330 ● 2 ● 12 ● 25



To build on the answer by [Jacob Budin](#), I recently tried this and found it useful.

```
var gulp = require("gulp");
var util = require("gulp-util");
var changed = require("gulp-changed");
```

```
gulp.task("copyIfChanged", function() {  
  var nSrc=0, nDes=0, dest="build/js";  
  gulp.src("app/**/*.js")  
    .on("data", function() { nSrc+=1;})  
    .pipe(changed(dest)) //filter out src files not newer than dest  
    .pipe(gulp.dest(dest))  
    .on("data", function() { nDes+=1;})  
    .on("finish", function() {  
      util.log("Results for app/**/*.js");  
      util.log("# src files: ", nSrc);  
      util.log("# dest files:", nDes);  
    });  
});  
}
```

answered Oct 8 '15 at 20:01



John Trevithick

196 ● 1 ● 4