

# Migrating to Gulp 4



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# Gulp 4



Motivation

When?

Migration path

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# Core Gulp 4 API's

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# 4 Simple APIs (Still)



1. `gulp.task`
2. `gulp.src`
3. `gulp.dest`
4. `gulp.watch`



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# New Task Engine

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```
gulp.task('styles', gulp.series('clean-styles', styles));

function styles() {
  return gulp
    .src(config.less)
    .pipe($.plumber())
    .pipe($.less())
    .pipe($.autoprefixer({browsers: ['last 2 version', '> 5%']}))
    .pipe(gulp.dest(config.temp));
}
```

## gulp.series(fn [, fn, ... n])

Identifies a set of tasks to run in sequence

Accepts set of functions or task (strings)

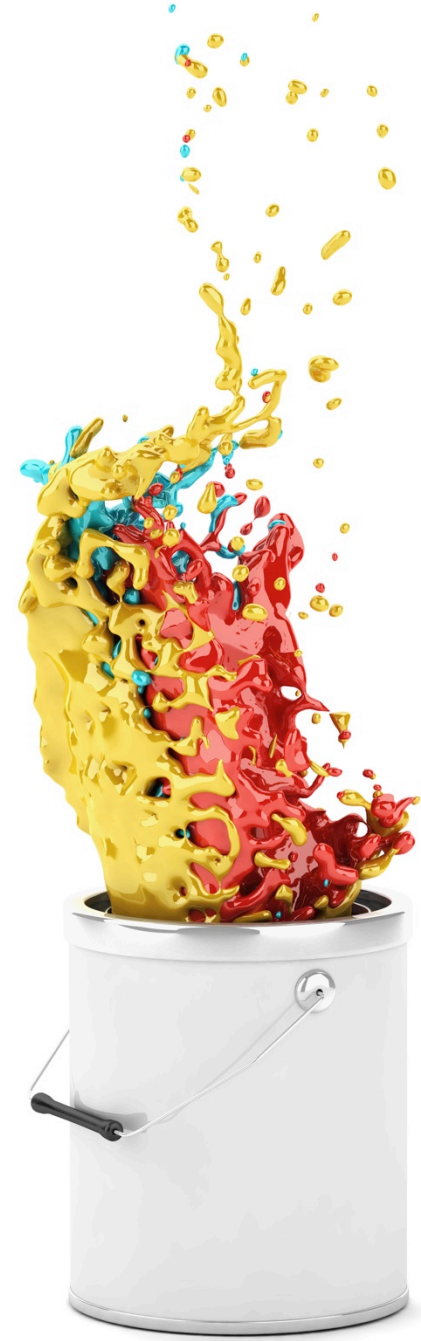
```
gulp.task('assets', gulp.parallel('fonts', 'styles', 'images'));
```

`gulp.parallel(fn [, fn, ... n])`

Identifies a set of tasks to run in parallel

Accepts set of functions or task (strings)

# Mix and Match





```
gulp.task('build',  
    gulp.series(  
        gulp.parallel('vet', 'test'),  
        gulp.parallel('wiredep', 'styles', 'templatecache'),  
        optimize  
    )  
);
```

## Mix and match tasks, gulp.series, and gulp.parallel

Tasks vet and test run first

Followed by wiredep, styles and templatecache

Followed by optimize



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# Migration

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## Gulp 3

`gulp.task ( name [, dep], fn )`

Array of task names (strings)

Callback

## Gulp 4

`gulp.task ( name, fn )`

Set of tasks to run in series or parallel

Task names (strings) or functions

Local

```
npm install --save-dev git://github.com/gulpjs/gulp.git#4.0
```

Global

```
npm install -g git://github.com/gulpjs/gulp-cli.git#4.0
```

## Installing the Pre-Release

Currently in alpha

When released:

```
npm install -g gulp-cli
```

```
npm install --save-dev gulp
```

# Migrating to Gulp 4

New task engine

`gulp.series`

`gulp.parallel`

<http://johnpapa.net>

<http://gulpjs.com>

Migrate task dependencies

One after the other

Simultaneous

More information

Gulp docs

