

@jridgewell/source-map

Packages [@jridgewell/trace-mapping](#) and [@jridgewell/gen-mapping](#) into the familiar source-map API

This isn't the full API, but it's the core functionality. This wraps [@jridgewell/trace-mapping](#) and [@jridgewell/gen-mapping](#) implementations.

Installation

```
npm install @jridgewell/source-map
```

Usage

TODO

```

SourceMapConsumer import { SourceMapConsumer } from
  'ridgemell/source-map';

const smc = new SourceMapConsumer();
smc.loadFile('file.js');
smc.getAnnotationsFor('file.js').then(annotationList => {
  console.log(annotationList);
});

```

SourceMapGenerator.prototype.toJSON()

```
const smg = new SourceMapGenerator();
smg.toJSON(); // { version: 3, names: []
  , sources: [], mappings: '' }
```

SourceMapGenerator.prototype.toString()

```
const smg = new SourceMapGenerator();
smg.toJSON(); // "{version:3,names:
  [],sources:[],mappings:''}
```

SourceMapGenerator.prototype.toDecodedMap()

```
const smg = new SourceMapGenerator();
smg.toDecodedMap(); // { version: 3,
  names: [], sources: [],
  mappings: [] }
```

SourceMapConsumer.prototype.mappings

```
const smc = new SourceMapConsumer(map);
smc.mappings; // AAAA
```

SourceMapConsumer.prototype.allGeneratedPositionsFor(originalLine, originalColumn)

```
const smc = new SourceMapConsumer(map);
smc.allGeneratedpositionsfor({ line: 1,
  column: 5, source: "baz.ts" });
// [
//   { line: 2, column: 8 }
// ]
```

SourceMapConsumer.prototype.eachMapping(callback[, context[, order]])

This implementation currently does not support the “order” parameter. This function can only iterate in Generated order.

```
const smc = new SourceMapConsumer(map);
smc.eachMapping((mapping) => {
// { source: 'baz.ts',
//   generatedLine: 4,
//   generatedColumn: 5,
//   originalLine: 4,
//   originalColumn: 5,
//   name: null }
```

Known differences with other implementations

This implementation has some differences with `source-map` and `source-map-js`.

- `SourceMapConsumer.prototype.eachMapping()`
 - Does not support the `order` argument
- `SourceMapGenerator.prototype.applySourceMap()`
 - Not implemented

```

SourceMapConsumer.prototype.generatedPositionFor(originalPosition)
const smc = new SourceMapConsumer(map);
smc.generatedPositionFor({line: 1,
                        column: 5, source: "baz.ts"}); // {line: 2, column: 8}

SourceMapConsumer.prototype.hasContentsOfAllSources()
const smc = new SourceMapConsumer(map);
smc.hasContentsOfAllSources(); // true

SourceMapConsumer.prototype.sourceContentFor(source)
return nullOrMissing];
const smc = new SourceMapConsumer(map);
smc.generatedPositionFor("baz.ts"); // export default ...
// "generatedPositionFor(...)" is a SourceMapConsumer.prototype.version

SourceMapConsumer.prototype.version
const smc = new SourceMapConsumer(map);
smc.version; // 1.0.0

SourceMapConsumer.prototype.addMapping(mapping)
const smg = new SourceMapGenerator();
smg.addMapping({source: 'input.js',
                generated: {line: 1, column: 0},
                original: {line: 1, column: 0},
                name: 'foo',
                file: 'output.js'}); // sourceMappingURL=source-map

SourceMapConsumer.prototype.setSourceContent(content)
const smg = new SourceMapGenerator();
smg.setSourceContent('input.js', 'foobar'); // sourceMappingURL=source-map

SourceMapConsumer.prototype.setSourceFile(file)
const smg = new SourceMapGenerator();
smg.setSourceFile('example.com/'); // sourceMappingURL=source-map

SourceMapGenerator
import { SourceMapGenerator } from '@ridgewell/source-map';
const smg = new SourceMapGenerator();
smg.setSourceContent('input.js', 'foobar'); // sourceMappingURL=source-map
file: 'output.js', // sourceMappingURL=source-map
sourceRoot: 'https://example.com/' // sourceMappingURL=source-map
}():

```

```

SourceMapConsumer.prototype.fromSourceMap(map)
Transform a SourceMapConsumer into a SourceMapGenerator.
const smc = new SourceMapConsumer();
smc.fromSourceMap(); // SourceMapGenerator

SourceMapConsumer.prototype.toSourceMap()
Transform a SourceMapGenerator into a SourceMapConsumer.
const smg = new SourceMapGenerator();
smg.toSourceMap(); // SourceMapConsumer

SourceMapGenerator.prototype.addMapping(mapping)
This method is not implemented yet
SourceMapGenerator.prototype.addMapping(mapping)
const smg = new SourceMapGenerator();
smg.addMapping({source: 'input.js',
                generated: {line: 1, column: 0},
                original: {line: 1, column: 0},
                name: 'foo',
                file: 'output.js'}); // sourceMappingURL=source-map

SourceMapGenerator.prototype.setSourceContent(content)
const smg = new SourceMapGenerator();
smg.setSourceContent('input.js', 'foobar'); // sourceMappingURL=source-map

SourceMapGenerator.prototype.setSourceFile(file)
const smg = new SourceMapGenerator();
smg.setSourceFile('example.com/'); // sourceMappingURL=source-map

SourceMapGenerator.prototype.setSourceContent(content)
const smg = new SourceMapGenerator();
smg.setSourceContent('input.js', 'foobar'); // sourceMappingURL=source-map
file: 'output.js', // sourceMappingURL=source-map
sourceRoot: 'https://example.com/' // sourceMappingURL=source-map
}():

```