

This example shows how to use Code Splitting with entrypoint `dependOn`

## webpack.config.js

```
module.exports = {
  entry: {
    app: { import: "./app.js", dependOn: ["other-vendors"] },
    page1: { import: "./page1.js", dependOn: ["app", "react-vendors"] },
    "react-vendors": ["react", "react-dom", "prop-types"],
    "other-vendors": "./other-vendors"
  },
  optimization: {
    runtimeChunk: "single",
    chunkIds: "named" // To keep filename consistent between different modes
    (for example building only)
  },
  stats: {
    chunks: true,
    chunkRelations: true
  }
};
```

## app.js

```
import isomorphicFetch from "isomorphic-fetch";
import lodash from "lodash";

console.log(isomorphicFetch, lodash);
```

## page1.js

```
import isomorphicFetch from "isomorphic-fetch";
import react from "react";
import ReactDOM from "react-dom";

console.log(isomorphicFetch, react, ReactDOM);

import("./lazy");
```

## lazy.js

```
import lodash from "lodash";
import propTypes from "prop-types";
```

```
console.log(lodash, propTypes);
```

## other-vendors.js

```
import lodash from "lodash";
import isomorphicFetch from "isomorphic-fetch";

// Additional initializations
console.log(lodash, isomorphicFetch);
```

## dist/runtime.js

```
/******/ (() => { // webpackBootstrap
/******/     "use strict";
/******/     var __webpack_modules__ = ({});
```

► /\* webpack runtime code \*/

```
/******/
/******/
/******/ }) ()
;
```

## dist/app.js

```
"use strict";
(self["webpackChunk"] = self["webpackChunk"] || []).push([["app"], {

/***/ 6:
/*!*****!\
!*** ./app.js ***!
\*****/
/*! namespace exports */
/*! exports [not provided] [no usage info] */
/*! runtime requirements: __webpack_require__, __webpack_require__.n,
__webpack_require__.r, __webpack_exports__, __webpack_require__.* */
/***/ ((__unused_webpack_module, __webpack_exports__, __webpack_require__) => {

    __webpack_require__.r(__webpack_exports__);
    /* harmony import */ var isomorphic_fetch__WEBPACK_IMPORTED_MODULE_0__ =
    __webpack_require__(/*! isomorphic-fetch */ 5);
    /* harmony import */ var isomorphic_fetch__WEBPACK_IMPORTED_MODULE_0__default =
    /*#__PURE__*/ __webpack_require__.n(isomorphic_fetch__WEBPACK_IMPORTED_MODULE_0__);
```

```

/* harmony import */ var lodash__WEBPACK_IMPORTED_MODULE_1__ =
__webpack_require__(/*! lodash */ 4);
/* harmony import */ var lodash__WEBPACK_IMPORTED_MODULE_1___default =
/*#__PURE__*/__webpack_require__.n(lodash__WEBPACK_IMPORTED_MODULE_1__);

console.log((isomorphic_fetch__WEBPACK_IMPORTED_MODULE_0___default()),
(lodash__WEBPACK_IMPORTED_MODULE_1___default()));

/***/ })

},
/******/ __webpack_require__ => { // webpackRuntimeModules
/******/ var __webpack_exec__ = (moduleId) =>
(__webpack_require__(__webpack_require__.s = moduleId))
/******/ __webpack_require__.O(0, ["other-vendors"], () => (__webpack_exec__(6)));
/******/ var __webpack_exports__ = __webpack_require__.O();
/******/ }
});

```

## dist/page1.js

```

"use strict";
(self["webpackChunk"] = self["webpackChunk"] || []).push([["page1"],{

/***/ 7:
/*!*****!\
  !*** ./page1.js ***!
  \*****/
  /*! namespace exports */
  /*! exports [not provided] [no usage info] */
  /*! runtime requirements: __webpack_require__, __webpack_require__.n,
  __webpack_require__.r, __webpack_exports__, __webpack_require__.e,
  __webpack_require__.* */
  ***/ ((__unused_webpack_module, __webpack_exports__, __webpack_require__) => {

    __webpack_require__.r(__webpack_exports__);
    /* harmony import */ var isomorphic_fetch__WEBPACK_IMPORTED_MODULE_0__ =
__webpack_require__(/*! isomorphic-fetch */ 5);
    /* harmony import */ var isomorphic_fetch__WEBPACK_IMPORTED_MODULE_0___default =
/*#__PURE__*/__webpack_require__.n(isomorphic_fetch__WEBPACK_IMPORTED_MODULE_0__);
    /* harmony import */ var react__WEBPACK_IMPORTED_MODULE_1__ =
__webpack_require__(/*! react */ 0);
    /* harmony import */ var react__WEBPACK_IMPORTED_MODULE_1___default =
/*#__PURE__*/__webpack_require__.n(react__WEBPACK_IMPORTED_MODULE_1__);
    /* harmony import */ var react_dom__WEBPACK_IMPORTED_MODULE_2__ =
__webpack_require__(/*! react-dom */ 1);

```

```

/* harmony import */ var react_dom__WEBPACK_IMPORTED_MODULE_2___default =
/*#__PURE__*/__webpack_require__.n(react_dom__WEBPACK_IMPORTED_MODULE_2__);

console.log((isomorphic_fetch__WEBPACK_IMPORTED_MODULE_0___default()),
(react__WEBPACK_IMPORTED_MODULE_1___default()),
(react_dom__WEBPACK_IMPORTED_MODULE_2___default()));

__webpack_require__.e(/*! import() */
"lazy_js").then(__webpack_require__.bind(__webpack_require__, /*! ./lazy */ 8));

/***/ })

},
/******/ __webpack_require__ => { // webpackRuntimeModules
/******/ var __webpack_exec__ = (moduleId) =>
(__webpack_require__(__webpack_require__.s = moduleId))
/******/ __webpack_require__.O(0, ["app","react-vendors","other-vendors"], () =>
(__webpack_exec__(7)));
/******/ var __webpack_exports__ = __webpack_require__.O();
/******/ }
});

```

## dist/other-vendors.js

```

(self["webpackChunk"] = self["webpackChunk"] || []).push([["other-vendors"],[
/* 0 */,
/* 1 */,
/* 2 */,
/* 3 */
/*!*****!*\
*** ./other-vendors.js ***!
\*****/
/*! namespace exports */
/*! exports [not provided] [no usage info] */
/*! runtime requirements: __webpack_require__, __webpack_require__.n,
__webpack_require__.r, __webpack_exports__, __webpack_require__.* */
/***/ ((__unused_webpack_module, __webpack_exports__, __webpack_require__) => {

"use strict";
__webpack_require__.r(__webpack_exports__);
/* harmony import */ var lodash__WEBPACK_IMPORTED_MODULE_0___ =
__webpack_require__(/*! lodash */ 4);
/* harmony import */ var lodash__WEBPACK_IMPORTED_MODULE_0___default =
/*#__PURE__*/__webpack_require__.n(lodash__WEBPACK_IMPORTED_MODULE_0__);
/* harmony import */ var isomorphic_fetch__WEBPACK_IMPORTED_MODULE_1___ =

```

```

__webpack_require__(/*! isomorphic-fetch */ 5);
/* harmony import */ var isomorphic_fetch__WEBPACK_IMPORTED_MODULE_1___default =
/*# __PURE__ */ __webpack_require__(isomorphic_fetch__WEBPACK_IMPORTED_MODULE_1__);

// Additional initializations
console.log((lodash__WEBPACK_IMPORTED_MODULE_0___default()),
(isomorphic_fetch__WEBPACK_IMPORTED_MODULE_1___default()));

/***/ }},
/* 4 */
/*!*****!\
  *** ./node_modules/lodash.js ***!
  \*****/
/*! unknown exports (runtime-defined) */
/*! runtime requirements: module */
/*! CommonJS bailout: module.exports is used directly at 1:0-14 */
/***/ ((module) => {

module.exports = 'lodash';

/***/ }},
/* 5 */
/*!*****!\
  *** ./node_modules/isomorphic-fetch.js ***!
  \*****/
/*! unknown exports (runtime-defined) */
/*! runtime requirements: module */
/*! CommonJS bailout: module.exports is used directly at 1:0-14 */
/***/ ((module) => {

module.exports = "isomorphic-fetch";

/***/ })
],
/*****/ __webpack_require__ => { // webpackRuntimeModules
/*****/ var __webpack_exec__ = (moduleId) =>
(__webpack_require__(__webpack_require__.s = moduleId))
/*****/ var __webpack_exports__ = (__webpack_exec__(3));
/*****/ }
});

```

## dist/react-vendors.js

```

(self["webpackChunk"] = self["webpackChunk"] || []).push(["react-vendors"], [
/* 0 */
/*!*****!\
  *** ./node_modules/react.js ***!
  \*****/
/*! unknown exports (runtime-defined) */
/*! runtime requirements: module */
/*! CommonJS bailout: module.exports is used directly at 1:0-14 */
/***/ ((module) => {

module.exports = 'react';

/***/ }),
/* 1 */
/*!*****!\
  *** ./node_modules/react-dom.js ***!
  \*****/
/*! unknown exports (runtime-defined) */
/*! runtime requirements: module */
/*! CommonJS bailout: module.exports is used directly at 1:0-14 */
/***/ ((module) => {

module.exports = 'react-dom';

/***/ }),
/* 2 */
/*!*****!\
  *** ./node_modules/prop-types.js ***!
  \*****/
/*! unknown exports (runtime-defined) */
/*! runtime requirements: module */
/*! CommonJS bailout: module.exports is used directly at 1:0-14 */
/***/ ((module) => {

module.exports = 'prop-types';

/***/ })
],
/******/ __webpack_require__ => { // webpackRuntimeModules
/******/ var __webpack_exec__ = (moduleId) =>
  (__webpack_require__(__webpack_require__.s = moduleId))
/******/ var __webpack_exports__ = (__webpack_exec__(0), __webpack_exec__(1),
  __webpack_exec__(2));
/******/ }
});

```

# Info

## Unoptimized

```
asset runtime.js 11.1 KiB [emitted] (name: runtime)
asset other-vendors.js 2.13 KiB [emitted] (name: other-vendors)
asset page1.js 1.91 KiB [emitted] (name: page1)
asset app.js 1.44 KiB [emitted] (name: app)
asset react-vendors.js 1.33 KiB [emitted] (name: react-vendors)
asset lazy_js.js 1.11 KiB [emitted]
Entrypoint app 1.44 KiB = app.js
Entrypoint page1 1.91 KiB = page1.js
Entrypoint react-vendors 12.5 KiB = runtime.js 11.1 KiB react-vendors.js 1.33 KiB
Entrypoint other-vendors 13.3 KiB = runtime.js 11.1 KiB other-vendors.js 2.13 KiB
chunk (runtime: runtime) app.js (app) 116 bytes <{other-vendors}> <{runtime}> >{page1}
< [initial] [rendered]
  > ./app.js app
  ./app.js 116 bytes [built] [code generated]
    [no exports]
    [used exports unknown]
  entry ./app.js app
chunk (runtime: runtime) lazy_js.js 98 bytes <{page1}> [rendered]
  > ./lazy ./page1.js 7:0-16
  ./lazy.js 98 bytes [built] [code generated]
    [no exports]
    [used exports unknown]
  import() ./lazy ./page1.js 7:0-16
chunk (runtime: runtime) other-vendors.js (other-vendors) 210 bytes ={runtime}= >{app}
< [initial] [rendered]
  > ./other-vendors other-vendors
  dependent modules 64 bytes [dependent] 2 modules
  ./other-vendors.js 146 bytes [built] [code generated]
    [no exports]
    [used exports unknown]
  entry ./other-vendors other-vendors
chunk (runtime: runtime) page1.js (page1) 176 bytes <{app}> <{react-vendors}>
<{runtime}> >{lazy_js}< [initial] [rendered]
  > ./page1.js page1
  ./page1.js 176 bytes [built] [code generated]
    [no exports]
    [used exports unknown]
  entry ./page1.js page1
chunk (runtime: runtime) react-vendors.js (react-vendors) 87 bytes ={runtime}= >
{page1}< [initial] [rendered]
  > prop-types react-vendors
  > react react-vendors
  > react-dom react-vendors
  ./node_modules/prop-types.js 31 bytes [built] [code generated]
    [used exports unknown]
  from origin ./lazy.js
```

```

    harmony side effect evaluation prop-types ./lazy.js 2:0-35
    harmony import specifier prop-types ./lazy.js 4:20-29
    cjs self exports reference ./node_modules/prop-types.js 1:0-14
    entry prop-types react-vendors
./node_modules/react-dom.js 30 bytes [built] [code generated]
[used exports unknown]
from origin ./page1.js
    harmony side effect evaluation react-dom ./page1.js 3:0-33
    harmony import specifier react-dom ./page1.js 5:36-44
    cjs self exports reference ./node_modules/react-dom.js 1:0-14
    entry react-dom react-vendors
./node_modules/react.js 26 bytes [built] [code generated]
[used exports unknown]
from origin ./page1.js
    harmony side effect evaluation react ./page1.js 2:0-26
    harmony import specifier react ./page1.js 5:29-34
    cjs self exports reference ./node_modules/react.js 1:0-14
    entry react react-vendors
chunk (runtime: runtime) runtime.js (runtime) 6.75 KiB ={other-vendors}= ={react-
vendors}= >{app}< >{page1}< [entry] [rendered]
> ./other-vendors other-vendors
> prop-types react-vendors
> react react-vendors
> react-dom react-vendors
runtime modules 6.75 KiB 10 modules
webpack 5.51.1 compiled successfully

```

## Production mode

```

asset runtime.js 2.37 KiB [emitted] [minimized] (name: runtime)
asset page1.js 287 bytes [emitted] [minimized] (name: page1)
asset other-vendors.js 239 bytes [emitted] [minimized] (name: other-vendors)
asset app.js 207 bytes [emitted] [minimized] (name: app)
asset react-vendors.js 200 bytes [emitted] [minimized] (name: react-vendors)
asset lazy_js.js 159 bytes [emitted] [minimized]
Entrypoint app 207 bytes = app.js
Entrypoint page1 287 bytes = page1.js
Entrypoint react-vendors 2.57 KiB = runtime.js 2.37 KiB react-vendors.js 200 bytes
Entrypoint other-vendors 2.6 KiB = runtime.js 2.37 KiB other-vendors.js 239 bytes
chunk (runtime: runtime) app.js (app) 116 bytes <{other-vendors}> <{runtime}> >{page1}
< [initial] [rendered]
> ./app.js app
./app.js 116 bytes [built] [code generated]
[no exports]
[no exports used]
entry ./app.js app
chunk (runtime: runtime) lazy_js.js 98 bytes <{page1}> [rendered]
> ./lazy ./page1.js 7:0-16
./lazy.js 98 bytes [built] [code generated]
[no exports]
import() ./lazy ./page1.js 7:0-16

```



```

chunk (runtime: runtime) other-vendors.js (other-vendors) 210 bytes ={runtime}= >{app}
< [initial] [rendered]
  > ./other-vendors other-vendors
dependent modules 64 bytes [dependent] 2 modules
./other-vendors.js 146 bytes [built] [code generated]
  [no exports]
  [no exports used]
  entry ./other-vendors other-vendors
chunk (runtime: runtime) page1.js (page1) 176 bytes <{app}> <{react-vendors}>
<{runtime}>> >{lazy_js}< [initial] [rendered]
  > ./page1.js page1
./page1.js 176 bytes [built] [code generated]
  [no exports]
  [no exports used]
  entry ./page1.js page1
chunk (runtime: runtime) react-vendors.js (react-vendors) 87 bytes ={runtime}= >
{page1}< [initial] [rendered]
  > prop-types react-vendors
  > react react-vendors
  > react-dom react-vendors
./node_modules/prop-types.js 31 bytes [built] [code generated]
  [used exports unknown]
  from origin ./lazy.js
    harmony side effect evaluation prop-types ./lazy.js 2:0-35
    harmony import specifier prop-types ./lazy.js 4:20-29
  cjs self exports reference ./node_modules/prop-types.js 1:0-14
  entry prop-types react-vendors
./node_modules/react-dom.js 30 bytes [built] [code generated]
  [used exports unknown]
  from origin ./page1.js
    harmony side effect evaluation react-dom ./page1.js 3:0-33
    harmony import specifier react-dom ./page1.js 5:36-44
  cjs self exports reference ./node_modules/react-dom.js 1:0-14
  entry react-dom react-vendors
./node_modules/react.js 26 bytes [built] [code generated]
  [used exports unknown]
  from origin ./page1.js
    harmony side effect evaluation react ./page1.js 2:0-26
    harmony import specifier react ./page1.js 5:29-34
  cjs self exports reference ./node_modules/react.js 1:0-14
  entry react react-vendors
chunk (runtime: runtime) runtime.js (runtime) 6.75 KiB ={other-vendors}= ={react-
vendors}= >{app}< >{page1}< [entry] [rendered]
  > ./other-vendors other-vendors
  > prop-types react-vendors
  > react react-vendors
  > react-dom react-vendors
runtime modules 6.75 KiB 10 modules
webpack 5.51.1 compiled successfully

```