

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)
  },
  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 */

/*****// The module cache
/******/     var __webpack_module_cache__ = {};
/******/
/******/     // The require function
/******/     function __webpack_require__(moduleId) {
/******/         // Check if module is in cache
/******/         var cachedModule = __webpack_module_cache__[moduleId];
/******/         if (cachedModule !== undefined) {
/******/             return cachedModule.exports;
/******/         }
/******/         // Create a new module (and put it into the cache)
/******/         var module = __webpack_module_cache__[moduleId] = {
/******/             // no module.id needed
/******/             // no module.loaded needed
/******/             exports: {}
/******/         };
/******/
/******/         // Execute the module function
/******/         __webpack_modules__[moduleId](module, module.exports, __webpack_require__);
/******/
/******/         // Return the exports of the module
/******/         return module.exports;
/******/     }
/******/
/******/     // expose the modules object (__webpack_modules__)
```

```

/*****/ __webpack_require___.m = __webpack_modules__;
/*****/
/*****/
/*****/ /* webpack/runtime/chunk loaded */
/*****/ (() => {
/*****/     var deferred = [];
/*****/     __webpack_require___.0 = (result, chunkIds, fn, priority) => {
/*****/         if(chunkIds) {
/*****/             priority = priority || 0;
/*****/             for(var i = deferred.length; i > 0 && deferred[i - 1][2] > priority
/*****/             deferred[i] = [chunkIds, fn, priority];
/*****/             return;
/*****/         }
/*****/         var notFulfilled = Infinity;
/*****/         for (var i = 0; i < deferred.length; i++) {
/*****/             var [chunkIds, fn, priority] = deferred[i];
/*****/             var fulfilled = true;
/*****/             for (var j = 0; j < chunkIds.length; j++) {
/*****/                 if ((priority & 1 === 0 || notFulfilled >= priority) && Object.
/*****/                     chunkIds.splice(j--, 1);
/*****/                 } else {
/*****/                     fulfilled = false;
/*****/                     if(priority < notFulfilled) notFulfilled = priority;
/*****/                 }
/*****/             }
/*****/             if(fulfilled) {
/*****/                 deferred.splice(i--, 1)
/*****/                 var r = fn();
/*****/                 if (r !== undefined) result = r;
/*****/             }
/*****/         }
/*****/         return result;
/*****/     };
/*****/ }());
/*****/
/*****/ /* webpack/runtime/compat get default export */
/*****/ (() => {
/*****/     // getDefaultExport function for compatibility with non-harmony modules
/*****/     __webpack_require___.n = (module) => {
/*****/         var getter = module && module.__esModule ?
/*****/             () => (module['default']) :
/*****/             () => (module);
/*****/         __webpack_require___.d(getter, { a: getter });
/*****/         return getter;
/*****/     };
/*****/ }());

```

```

/*****/
/*****/ /* webpack/runtime/define property getters */
/*****/ (() => {
/*****/ // define getter functions for harmony exports
/*****/ __webpack_require__.d = (exports, definition) => {
/*****/     for(var key in definition) {
/*****/         if(__webpack_require__.o(definition, key) && !__webpack_require__.o
/*****/             Object.defineProperty(exports, key, { enumerable: true, get: de
/*****/         }
/*****/     }
/*****/ };
/*****/ })();
/*****/
/*****/ /* webpack/runtime/ensure chunk */
/*****/ (() => {
/*****/     __webpack_require__.f = {};
/*****/     // This file contains only the entry chunk.
/*****/     // The chunk loading function for additional chunks
/*****/     __webpack_require__.e = (chunkId) => {
/*****/         return Promise.all(Object.keys(__webpack_require__.f).reduce((promises,
/*****/             __webpack_require__.f[key](chunkId, promises);
/*****/         return promises;
/*****/     }, []));
/*****/ };
/*****/ })();
/*****/
/*****/ /* webpack/runtime/get javascript chunk filename */
/*****/ (() => {
/*****/     // This function allow to reference async chunks
/*****/     __webpack_require__.u = (chunkId) => {
/*****/         // return url for filenames based on template
/*****/         return "" + chunkId + ".js";
/*****/     };
/*****/ })();
/*****/
/*****/ /* webpack/runtime/hasOwnProperty shorthand */
/*****/ (() => {
/*****/     __webpack_require__.o = (obj, prop) => (Object.prototype.hasOwnProperty.call
/*****/ })();
/*****/
/*****/ /* webpack/runtime/load script */
/*****/ (() => {
/*****/     var inProgress = {};
/*****/     // data-webpack is not used as build has no uniqueName
/*****/     // loadScript function to load a script via script tag
/*****/     __webpack_require__.l = (url, done, key, chunkId) => {

```



```

/*****/          return __webpack_require__.0(result);
/*****/      }
/*****/
/*****/          var chunkLoadingGlobal = self["webpackChunk"] = self["webpackChunk"] || [];
/*****/          chunkLoadingGlobal.forEach(webpackJsonpCallback.bind(null, 0));
/*****/          chunkLoadingGlobal.push = webpackJsonpCallback.bind(null, chunkLoadingGlobal);
/*****/      })();
/*****/
/*****/
/*****/
/*****/  })()
;

```

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 */
  /**/      (("__unused_webpack_module", __webpack_exports__, __webpack_require__) => {

    __webpack_require__.r(__webpack_exports__);
    /** harmony import */ var isomorphic_fetch__WEBPACK_IMPORTED_MODULE_0__ = __webpack_require__
    /** harmony import */ var isomorphic_fetch__WEBPACK_IMPORTED_MODULE_0___default = /*#__PURE__
    /** harmony import */ var lodash__WEBPACK_IMPORTED_MODULE_1__ = __webpack_require__(/*! loda
    /** harmony import */ var lodash__WEBPACK_IMPORTED_MODULE_1___default = /*#__PURE__*/ __webpa

    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 = 1

```



```

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

```

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 */
/***/ ((__unused_webpack_module, __webpack_exports__, __webpack_require__) => {

  __webpack_require__.r(__webpack_exports__);
  /* harmony import */ var isomorphic_fetch__WEBPACK_IMPORTED_MODULE_0__ = __webpack_require__
  /* harmony import */ var isomorphic_fetch__WEBPACK_IMPORTED_MODULE_0___default = /*#__PURE__
  /* harmony import */ var react__WEBPACK_IMPORTED_MODULE_1__ = __webpack_require__(/* react
  /* harmony import */ var react__WEBPACK_IMPORTED_MODULE_1___default = /*#__PURE__*/__webpac
  /* harmony import */ var react_dom__WEBPACK_IMPORTED_MODULE_2__ = __webpack_require__(/* r
  /* harmony import */ var react_dom__WEBPACK_IMPORTED_MODULE_2___default = /*#__PURE__*/__we

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

  __webpack_require__.e(/*! import() */ "lazy_js").then(__webpack_require__.bind(__webpack_re

  /***/ })

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

```

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,
    /***/ ((__unused_webpack_module, __webpack_exports__, __webpack_require__) => {

    "use strict";
    __webpack_require__.r(__webpack_exports__);
    /* harmony import */ var lodash__WEBPACK_IMPORTED_MODULE_0__ = __webpack_require__(/*! loda
    /* harmony import */ var lodash__WEBPACK_IMPORTED_MODULE_0___default = /*#__PURE__*/__webpa
    /* harmony import */ var isomorphic_fetch__WEBPACK_IMPORTED_MODULE_1__ = __webpack_require_
    /* harmony import */ var isomorphic_fetch__WEBPACK_IMPORTED_MODULE_1___default = /*#__PURE_

    // Additional initializations
    console.log((lodash__WEBPACK_IMPORTED_MODULE_0___default()), (isomorphic_fetch__WEBPACK_IMPO

    /**/ }),
    /* 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 =
/***/ 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 = 1
/***/ var __webpack_exports__ = (__webpack_exec__(0), __webpack_exec__(1), __webpack_exe
/***/ }
]);

```

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}< [in
  > ./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}< [in]
> ./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}> >{page1}< [in]
> ./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}< [in]
> 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}= >{runtime}< [in]
> ./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}< [in
  > ./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}< [in
  > ./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}> >
  > ./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}< [in
  > 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}= >
> ./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

```