

example.js

```
// harmony module

// import from CommonJS module
import fs from "./fs";
import { readFile } from "./fs";
import * as fs2 from "./fs";
fs.readFile("file");
readFile("file");
fs2.readFile("file");

// import from harmony module
import { readFile as readFile2 } from "./reexport-commonjs";
readFile2("file");

// import a CommonJs module for side effects
import "./example2";
```

fs.js

```
// an example CommonJs module
// content is omitted for brevity
exports.readFile = function() {};
// using module.exports would be equivalent,
// webpack doesn't care which syntax is used

// AMD modules are also possible and equivalent to CommonJs modules
```

reexport-commonjs.js

```
// reexport a CommonJs module
export * from "./fs";
// Note that the default export doesn't reexport via export *
// (this is not interop-specific, it applies for every export *)

// Note: reexporting a CommonJs module is a special case,
// because in this module we have no information about exports
```

example2.js

```
// CommonJs module

// require a harmony module
```

```
var module = require("./harmony");

var defaultExport = module.default;
var namedExport = module.named;
```

harmony.js

```
// just some exports
export default "default";
export var named = "named";
```

dist/output.js

```

/*****/ (( ) => { // webpackBootstrap
/*****/   var __webpack_modules__ = ([
/* 0 */,
/* 1 */
/*!*****!*\
  *** ./fs.js ***!
  \*****/
/*! default exports */
/*! export readFile [provided] [no usage info] [missing usage info prevents renaming] */
/*! other exports [not provided] [no usage info] */
/*! runtime requirements: __webpack_exports__ */
/***/ ((__unused_webpack_module, exports) => {

  // an example CommonJs module
  // content is omitted for brevity
  exports.readFile = function() {};
  // using module.exports would be equivalent,
  // webpack doesn't care which syntax is used

  // AMD modules are also possible and equivalent to CommonJs modules

  /**/ } ),
/* 2 */
/*!*****!*\
  *** ./reexport-commonjs.js ***!
  \*****/
/*! namespace exports */
/*! export readFile [provided] [no usage info] [missing usage info prevents renaming] -> ./
/*! other exports [not provided] [no usage info] */
/*! runtime requirements: __webpack_require__, __webpack_exports__, __webpack_require__.d,

```

```

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

  "use strict";
  __webpack_require__.r(__webpack_exports__);
  /* harmony export */ __webpack_require__.d(__webpack_exports__, {
    /* harmony export */   "readFile": () => (/* reexport safe */ _fs__WEBPACK_IMPORTED_MODULE_0___readFile),
    /* harmony export */ });
  /* harmony import */ var _fs__WEBPACK_IMPORTED_MODULE_0__ = __webpack_require__(/*! ./fs */ 1);
  /* reexport a CommonJs module */

  // Note that the default export doesn't reexport via export *
  // (this is not interop-specific, it applies for every export *)

  // Note: reexporting a CommonJs module is a special case,
  // because in this module we have no information about exports

  /***/ }),
  /* 3 */
  /*!*****!\
    !*** ./example2.js ***!
    \*****\
    /*! unknown exports (runtime-defined) */
    /*! runtime requirements: __webpack_require__ */
  /***/ ((__unused_webpack_module, __unused_webpack_exports, __webpack_require__) => {

    // CommonJs module

    // require a harmony module
    var module = __webpack_require__(/*! ./harmony */ 4);

    var defaultExport = module.default;
    var namedExport = module.named;

    /***/ }),
    /* 4 */
    /*!*****!\
      !*** ./harmony.js ***!
      \*****\
      /*! namespace exports */
      /*! export default [provided] [no usage info] [missing usage info prevents renaming] */
      /*! export named [provided] [no usage info] [missing usage info prevents renaming] */
      /*! other exports [not provided] [no usage info] */
      /*! runtime requirements: __webpack_exports__, __webpack_require__.r, __webpack_require__.d */
    /***/ ((__unused_webpack_module, __webpack_exports__, __webpack_require__) => {

```

```

"use strict";
__webpack_require__._r(__webpack_exports__);
/* harmony export */ __webpack_require__.d(__webpack_exports__, {
/* harmony export */   "default": () => (__WEBPACK_DEFAULT_EXPORT__),
/* harmony export */   "named": () => (/* binding */ named)
/* harmony export */ });
// just some exports
/* harmony default export */ const __WEBPACK_DEFAULT_EXPORT__ = ("default");
var named = "named";

/***/ })
/***/   ]);

/* 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;
/*****/    }
/*****/
/*****/
/*****/
/*****/    // webpack/runtime/compat get default export */
/*****/    (() => {
/*****/        // getDefaultExport function for compatibility with non-harmony modules
/*****/        __webpack_require__.n = (module) => {

```



```

/*! exports [not provided] [no usage info] */
/*! runtime requirements: __webpack_require__, __webpack_require__.n, __webpack_require__.r,
__webpack_require__.r(__webpack_exports__);
/* harmony import */ var _fs__WEBPACK_IMPORTED_MODULE_0__ = __webpack_require__(/*! ./fs */
/* harmony import */ var _reexport_commonjs__WEBPACK_IMPORTED_MODULE_1__ = __webpack_require
/* harmony import */ var _example2__WEBPACK_IMPORTED_MODULE_2__ = __webpack_require__(/*! .
/* harmony import */ var _example2__WEBPACK_IMPORTED_MODULE_2___default = /*#__PURE__*/__we
// harmony module

// import from CommonJS module

_fs__WEBPACK_IMPORTED_MODULE_0__.readFile("file");
(0,_fs__WEBPACK_IMPORTED_MODULE_0__.readFile)("file");
_fs__WEBPACK_IMPORTED_MODULE_0__.readFile("file");

// import from harmony module

(0,_reexport_commonjs__WEBPACK_IMPORTED_MODULE_1__.readFile)("file");

// import a CommonJs module for side effects

})();

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

```

Info

Unoptimized

```

asset output.js 7.12 KiB [emitted] (name: main)
chunk (runtime: main) output.js (main) 1.13 KiB (javascript) 937 bytes (runtime) [entry] [re
  > ./example.js main
    dependent modules 785 bytes [dependent] 4 modules
    runtime modules 937 bytes 4 modules
    ./example.js 374 bytes [built] [code generated]
      [no exports]
      [used exports unknown]
      entry ./example.js main
webpack 5.51.1 compiled successfully

```

Production mode

```
asset output.js 773 bytes [emitted] [minimized] (name: main)
chunk (runtime: main) output.js (main) 1.13 KiB (javascript) 670 bytes (runtime) [entry] [re
  > ./example.js main
    dependent modules 484 bytes [dependent] 3 modules
    runtime modules 670 bytes 3 modules
    ./example.js + 1 modules 675 bytes [built] [code generated]
      [no exports]
      [no exports used]
      entry ./example.js main
webpack 5.51.1 compiled successfully
```