example.js

This example illustrates how to filter the ContextModule results of `import()` statements. Only `.js` files that don't end in `.noimport.js` within the `templates` folder will be bundled.

```js
async function getTemplate(templateName) {
    try {
        let template = await import(
            /* webpackInclude: /\.js$/ */
            /* webpackExclude: /\.noimport\.js$/ */
            `./templates/${templateName}`
        );
        console.log(template);
    } catch(err) {
        console.error(err);
        return new Error(err);
    }
}

getTemplate("foo");
getTemplate("bar");
getTemplate("baz");
getTemplate("foo.noimport");
getTemplate("bar.noimport");
getTemplate("baz.noimport");
```

templates/

- foo.js
- foo.noimport.js
- baz.js
- foo.noimport.js
- bar.js
- foo.noimport.js

All templates are of this pattern:

```js
var foo = "foo";

export default foo;
```

dist/output.js

```js
/******/ (() => { // webpackBootstrap
/******/ 	var __webpack_modules__ = ([
```

```
/* 0 */,
/* 1 */
/*!************************************************************************************
  !*** ./templates/ lazy ^\.\/.*$ include: \.js$ exclude: \.noimport\.js$ namespace object
  \************************************************************************************
/*! default exports */
/*! exports [not provided] [no usage info] */
/*! runtime requirements: module, __webpack_require__.o, __webpack_require__, __webpack_requ
/***/ ((module, __unused_webpack_exports, __webpack_require__) => {

var map = {
    "./bar": [
        2,
        398
    ],
    "./bar.js": [
        2,
        398
    ],
    "./baz": [
        3,
        544
    ],
    "./baz.js": [
        3,
        544
    ],
    "./foo": [
        4,
        718
    ],
    "./foo.js": [
        4,
        718
    ]
};
function webpackAsyncContext(req) {
    if(!__webpack_require__.o(map, req)) {
        return Promise.resolve().then(() => {
            var e = new Error("Cannot find module '" + req + "'");
            e.code = 'MODULE_NOT_FOUND';
            throw e;
        });
    }

    var ids = map[req], id = ids[0];
```

```
            return __webpack_require__.e(ids[1]).then(() => {
                return __webpack_require__(id);
            });
        }
        webpackAsyncContext.keys = () => (Object.keys(map));
        webpackAsyncContext.id = 1;
        module.exports = webpackAsyncContext;

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

/* 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/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 + ".output.js";
/******/            };
/******/        })();
/******/
/******/        /* webpack/runtime/hasOwnProperty shorthand */
/******/        (() => {
/******/            __webpack_require__.o = (obj, prop) => (Object.prototype.hasOwnProperty.cal
/******/        })();
/******/
/******/        /* 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) => {
/******/                if(inProgress[url]) { inProgress[url].push(done); return; }
/******/                var script, needAttach;
/******/                if(key !== undefined) {
/******/                    var scripts = document.getElementsByTagName("script");
/******/                    for(var i = 0; i < scripts.length; i++) {
/******/                        var s = scripts[i];
```

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```
/******/                          if(s.getAttribute("src") == url) { script = s; break; }
/******/                      }
/******/                  }
/******/                  if(!script) {
/******/                      needAttach = true;
/******/                      script = document.createElement('script');
/******/
/******/                      script.charset = 'utf-8';
/******/                      script.timeout = 120;
/******/                      if (__webpack_require__.nc) {
/******/                          script.setAttribute("nonce", __webpack_require__.nc);
/******/                      }
/******/
/******/                      script.src = url;
/******/                  }
/******/                  inProgress[url] = [done];
/******/                  var onScriptComplete = (prev, event) => {
/******/                      // avoid mem leaks in IE.
/******/                      script.onerror = script.onload = null;
/******/                      clearTimeout(timeout);
/******/                      var doneFns = inProgress[url];
/******/                      delete inProgress[url];
/******/                      script.parentNode && script.parentNode.removeChild(script);
/******/                      doneFns && doneFns.forEach((fn) => (fn(event)));
/******/                      if(prev) return prev(event);
/******/                  }
/******/                  ;
/******/                  var timeout = setTimeout(onScriptComplete.bind(null, undefined, { type:
/******/                  script.onerror = onScriptComplete.bind(null, script.onerror);
/******/                  script.onload = onScriptComplete.bind(null, script.onload);
/******/                  needAttach && document.head.appendChild(script);
/******/              };
/******/          })();
/******/
/******/          /* webpack/runtime/make namespace object */
/******/          (() => {
/******/              // define __esModule on exports
/******/              __webpack_require__.r = (exports) => {
/******/                  if(typeof Symbol !== 'undefined' && Symbol.toStringTag) {
/******/                      Object.defineProperty(exports, Symbol.toStringTag, { value: 'Module
/******/                  }
/******/                  Object.defineProperty(exports, '__esModule', { value: true });
/******/              };
/******/          })();
/******/
/******/          /* webpack/runtime/publicPath */
```

```
/******/        (() => {
/******/                __webpack_require__.p = "dist/";
/******/        })();
/******/
/******/        /* webpack/runtime/jsonp chunk loading */
/******/        (() => {
/******/                // no baseURI
/******/
/******/                // object to store loaded and loading chunks
/******/                // undefined = chunk not loaded, null = chunk preloaded/prefetched
/******/                // [resolve, reject, Promise] = chunk loading, 0 = chunk loaded
/******/                var installedChunks = {
/******/                        179: 0
/******/                };
/******/
/******/                __webpack_require__.f.j = (chunkId, promises) => {
/******/                        // JSONP chunk loading for javascript
/******/                        var installedChunkData = __webpack_require__.o(installedChunks, chu
/******/                        if(installedChunkData !== 0) { // 0 means "already installed".
/******/
/******/                                // a Promise means "currently loading".
/******/                                if(installedChunkData) {
/******/                                        promises.push(installedChunkData[2]);
/******/                                } else {
/******/                                        if(true) { // all chunks have JS
/******/                                                // setup Promise in chunk cache
/******/                                                var promise = new Promise((resolve, reject) => (install
/******/                                                promises.push(installedChunkData[2] = promise);
/******/
/******/                                                // start chunk loading
/******/                                                var url = __webpack_require__.p + __webpack_require__.u
/******/                                                // create error before stack unwound to get useful stac
/******/                                                var error = new Error();
/******/                                                var loadingEnded = (event) => {
/******/                                                        if(__webpack_require__.o(installedChunks, chunkId))
/******/                                                                installedChunkData = installedChunks[chunkId];
/******/                                                                if(installedChunkData !== 0) installedChunks[ch
/******/                                                                if(installedChunkData) {
/******/                                                                        var errorType = event && (event.type === 'l
/******/                                                                        var realSrc = event && event.target && even
/******/                                                                        error.message = 'Loading chunk ' + chunkId
/******/                                                                        error.name = 'ChunkLoadError';
/******/                                                                        error.type = errorType;
/******/                                                                        error.request = realSrc;
/******/                                                                        installedChunkData[1](error);
/******/                                                                }
```

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```
/******/                                        }
/******/                                };
/******/                                __webpack_require__.l(url, loadingEnded, "chunk-" + chu
/******/                        } else installedChunks[chunkId] = 0;
/******/                    }
/******/                }
/******/            };
/******/
/******/            // no prefetching
/******/
/******/            // no preloaded
/******/
/******/            // no HMR
/******/
/******/            // no HMR manifest
/******/
/******/            // no on chunks loaded
/******/
/******/            // install a JSONP callback for chunk loading
/******/            var webpackJsonpCallback = (parentChunkLoadingFunction, data) => {
/******/                var [chunkIds, moreModules, runtime] = data;
/******/                // add "moreModules" to the modules object,
/******/                // then flag all "chunkIds" as loaded and fire callback
/******/                var moduleId, chunkId, i = 0;
/******/                if(chunkIds.some((id) => (installedChunks[id] !== 0))) {
/******/                    for(moduleId in moreModules) {
/******/                        if(__webpack_require__.o(moreModules, moduleId)) {
/******/                            __webpack_require__.m[moduleId] = moreModules[moduleId];
/******/                        }
/******/                    }
/******/                    if(runtime) var result = runtime(__webpack_require__);
/******/                }
/******/                if(parentChunkLoadingFunction) parentChunkLoadingFunction(data);
/******/                for(;i < chunkIds.length; i++) {
/******/                    chunkId = chunkIds[i];
/******/                    if(__webpack_require__.o(installedChunks, chunkId) && installedChun
/******/                        installedChunks[chunkId][0]();
/******/                    }
/******/                    installedChunks[chunkIds[i]] = 0;
/******/                }
/******/
/******/            }
/******/
/******/            var chunkLoadingGlobal = self["webpackChunk"] = self["webpackChunk"] || [];
/******/            chunkLoadingGlobal.forEach(webpackJsonpCallback.bind(null, 0));
/******/            chunkLoadingGlobal.push = webpackJsonpCallback.bind(null, chunkLoadingGloba
```

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

var __webpack_exports__ = {};
// This entry need to be wrapped in an IIFE because it need to be isolated against other mod
(() => {
/*!********************!*\
  !*** ./example.js ***!
  \********************/
/*! unknown exports (runtime-defined) */
/*! runtime requirements: __webpack_require__ */
async function getTemplate(templateName) {
    try {
        let template = await __webpack_require__(1)(`./${templateName}`);
        console.log(template);
    } catch(err) {
        console.error(err);
        return new Error(err);
    }
}

getTemplate("foo");
getTemplate("bar");
getTemplate("baz");
getTemplate("foo.noimport");
getTemplate("bar.noimport");
getTemplate("baz.noimport");


})();

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

Info

Unoptimized

```
asset output.js 11.2 KiB [emitted] (name: main)
asset 398.output.js 858 bytes [emitted]
asset 544.output.js 858 bytes [emitted]
asset 718.output.js 858 bytes [emitted]
chunk (runtime: main) output.js (main) 597 bytes (javascript) 5.54 KiB (runtime) [entry] [re
  > ./example.js main
  runtime modules 5.54 KiB 8 modules
```

```
    dependent modules 160 bytes [dependent] 1 module
    ./example.js 437 bytes [built] [code generated]
      [used exports unknown]
      entry ./example.js main
chunk (runtime: main) 398.output.js 38 bytes [rendered]
  > ./bar ./templates/ lazy ^\.\/.*$ include: \.js$ exclude: \.noimport\.js$ namespace objec
  > ./bar.js ./templates/ lazy ^\.\/.*$ include: \.js$ exclude: \.noimport\.js$ namespace ob
  ./templates/bar.js 38 bytes [optional] [built] [code generated]
      [exports: default]
      [used exports unknown]
      import() context element ./bar ./templates/ lazy ^\.\/.*$ include: \.js$ exclude: \.noin
      import() context element ./bar.js ./templates/ lazy ^\.\/.*$ include: \.js$ exclude: \.n
chunk (runtime: main) 544.output.js 38 bytes [rendered]
  > ./baz ./templates/ lazy ^\.\/.*$ include: \.js$ exclude: \.noimport\.js$ namespace objec
  > ./baz.js ./templates/ lazy ^\.\/.*$ include: \.js$ exclude: \.noimport\.js$ namespace ob
  ./templates/baz.js 38 bytes [optional] [built] [code generated]
      [exports: default]
      [used exports unknown]
      import() context element ./baz ./templates/ lazy ^\.\/.*$ include: \.js$ exclude: \.noin
      import() context element ./baz.js ./templates/ lazy ^\.\/.*$ include: \.js$ exclude: \.n
chunk (runtime: main) 718.output.js 38 bytes [rendered]
  > ./foo ./templates/ lazy ^\.\/.*$ include: \.js$ exclude: \.noimport\.js$ namespace objec
  > ./foo.js ./templates/ lazy ^\.\/.*$ include: \.js$ exclude: \.noimport\.js$ namespace ob
  ./templates/foo.js 38 bytes [optional] [built] [code generated]
      [exports: default]
      [used exports unknown]
      import() context element ./foo ./templates/ lazy ^\.\/.*$ include: \.js$ exclude: \.noin
      import() context element ./foo.js ./templates/ lazy ^\.\/.*$ include: \.js$ exclude: \.n
webpack 5.51.1 compiled successfully
```

Production mode

```
asset output.js 2.48 KiB [emitted] [minimized] (name: main)
asset 398.output.js 130 bytes [emitted] [minimized]
asset 544.output.js 130 bytes [emitted] [minimized]
asset 718.output.js 130 bytes [emitted] [minimized]
chunk (runtime: main) output.js (main) 597 bytes (javascript) 5.54 KiB (runtime) [entry] [re
  > ./example.js main
  runtime modules 5.54 KiB 8 modules
  dependent modules 160 bytes [dependent] 1 module
  ./example.js 437 bytes [built] [code generated]
      [no exports used]
      entry ./example.js main
chunk (runtime: main) 398.output.js 38 bytes [rendered]
  > ./bar ./templates/ lazy ^\.\/.*$ include: \.js$ exclude: \.noimport\.js$ namespace objec
  > ./bar.js ./templates/ lazy ^\.\/.*$ include: \.js$ exclude: \.noimport\.js$ namespace ob
```

```
      ./templates/bar.js 38 bytes [optional] [built] [code generated]
        [exports: default]
        import() context element ./bar ./templates/ lazy ^\.\/.*$ include: \.js$ exclude: \.noin
        import() context element ./bar.js ./templates/ lazy ^\.\/.*$ include: \.js$ exclude: \.n
chunk (runtime: main) 544.output.js 38 bytes [rendered]
  > ./baz ./templates/ lazy ^\.\/.*$ include: \.js$ exclude: \.noimport\.js$ namespace objec
  > ./baz.js ./templates/ lazy ^\.\/.*$ include: \.js$ exclude: \.noimport\.js$ namespace ob
      ./templates/baz.js 38 bytes [optional] [built] [code generated]
        [exports: default]
        import() context element ./baz ./templates/ lazy ^\.\/.*$ include: \.js$ exclude: \.noin
        import() context element ./baz.js ./templates/ lazy ^\.\/.*$ include: \.js$ exclude: \.n
chunk (runtime: main) 718.output.js 38 bytes [rendered]
  > ./foo ./templates/ lazy ^\.\/.*$ include: \.js$ exclude: \.noimport\.js$ namespace objec
  > ./foo.js ./templates/ lazy ^\.\/.*$ include: \.js$ exclude: \.noimport\.js$ namespace ob
      ./templates/foo.js 38 bytes [optional] [built] [code generated]
        [exports: default]
        import() context element ./foo ./templates/ lazy ^\.\/.*$ include: \.js$ exclude: \.noin
        import() context element ./foo.js ./templates/ lazy ^\.\/.*$ include: \.js$ exclude: \.n
webpack 5.51.1 compiled successfully
```