

Gulp Tasks

Install

- [Gulp Tasks](#)

Required

- Install gulp-cli globally

```
npm install -g gulp-cli
```

Example

- When you complete the above steps, you will see the following screen.

The screenshot shows the VS Code interface with the Explorer sidebar open. The sidebar includes icons for File, Edit, Selection, View, Go, Run, and Terminal. The Explorer view shows a tree structure with the following items:

- OPEN EDITORS**
- QW.Q.SYSTEM**
 - env**
 - gulpTasks**
 - task**
 - jccpa.js** (4)
 - mongoose.js** (2)
 - pm2.js** (2)
 - timesheetApp.js** (3)
 - wpOpqApp.js** (1)
- OUTLINE**
- TIMELINE**
- NPM SCRIPTS**
- GULP TASKS**
 - jccpaBackend**
 - jccpaFrontend**
 - jccpaProd**
 - jccpaDev**
 - jccpaVue**
 - exportHotlineCallLog**
 - mongooseBackup**
 - pm2Delete**
 - pm2Restart**

- Select the task and click the green start button to start the task.
- You will see the output of the task in Terminal's OUTPUT.
- You can select the task and click the stop button to stop the task.
- Normal tasks will be automatically disconnected after running. But when doing webpack dev server, the task will be finished first, but the OUTPUT will always be connected.
- In MacOS, click the stop button will disconnect OUTPUT.
- But in Windows will not disconnect OUTPUT. In other words, the app is still running in the background.
 - At this moment, you'd better use the command line to run the gulp task.
 - If you use Gulp Tasks to run the webpack dev server related tasks, you can use some Windows commands to kill the process

```
// open a CMD window

// find the app port, like "8080", the result will show the app's pid
netstat -ano |findstr "port"

// kill the process according to the pid
taskkill /f /t /im "pid"
```

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