Integrating Code with External Tools via Tasks



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Concepts



Leverages existing task runners and tools

Connecting to tasks with tasks.json

Babel, TypeScript, JSHint

Adding problems to the warnings/errors list

Detecting Gulp (and grunt and jake)

Not Another Task Runner!

Leverage existing task runners and tools





TypeScript



Task Commands

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> Run Task

☆ P > Terminate Task

> Configure Task Runner

TypeScript Compiler Task

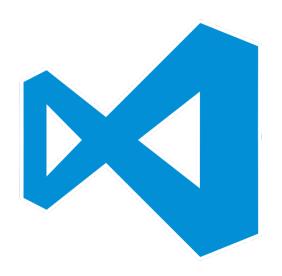
```
"version": "0.1.0",
// Assumes that tsc has been installed using npm install -g typescript
"command": "tsc",
// The command is a shell script
"isShellCommand": true,
// Show the output window only if unrecognized errors occur.
"showOutput": "silent",
"args": ["-p", "./src/client/", "--watch"],
// use the standard tsc problem matcher to find compile problems
// in the output.
"problemMatcher": "$tsc"
```

tasks.json - codeplay - visual studio code						
<u> </u>	EXPLORE	tasks.json .settings	tasks.json	Output	Task output	×
יש ׳	▶ WORKING FILES	1 {		index.html.		
\sim	△ CODEPLAY	2 "version"	': "0.1.0",		Finished 'wiredep' after 910 m	ıs
Ω		3 "command"	': "gulp",		Starting 'inject'	
	launch.json		Command": true,		Wire up css into the html,	
•	-	5 "args":		after files	•	
	tasks.json	6 "no	o-color"		gulp-inject 1 files into	
%	▶ .tmp	7],		index.html.		
9	▶ bower_components	8 "tasks":	[Finished 'inject' after 5.67 m	ıs
	▶ build	9 {			Starting 'serve-dev'	
	▶ node_modules	10	'taskName": "build",	-	Finished 'serve-dev' after 57	ms
	▶ report	11 '	'args": [],	-	[nodemon] v1.4.0	
	•	12	'isBuildCommand": true,		[nodemon] to restart at any	
	△ SrC	13	'problemMatcher": [time, enter	r`rs`	
	▶ client	14	"\$jshint-stylish"	[15:07:14]	<pre>[nodemon] watching:</pre>	
	■ server	15]	/Users/johr	n/_git/pluralsight-vscode-sampl	<u>.es</u>
	b utils	16 },		/codeplay/s	src/server/**/*	
	app.js	17 {		[15:07:14]	<pre>[nodemon] starting `node</pre>	
	data.js	18	'taskName": "serve-dev-debug"	,debug-brk	<=5858 ./src/server/app.js`	
	favicon.ico	19	'args": [[15:07:14]	*** nodemon started	
		20	"serve-dev",	[15:07:14]	Starting BrowserSync on port	-
	jsconfig.json	21	"debug-brk"	8001		
	routes.js	22	1,	Debugger li	stening on port 5858	
	▶ typings	23	'suppressTaskName": true,	[hottowel]	<pre>[info] Proxying:</pre>	
	.bowerrc	24	'problemMatcher": [http://loca	lhost:8001	
Running task indi		kindicator	"\$jshint-stylish"	[hottowel]	Access URLs:	
		KIIIGICATOI	1			
	.jscsr	27 },			al: http://localhost:3000	
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	28 {		Externa	al: http://192.168.0.28:3000	
	rti C	29	'taskName": "test",			
1	bower.json		'args": [].	U	JI: http://localhost:3001	
A /	O 0 A 10				Le 21 Col 20 LITTE 9 LE ISON	40

Keep an Eye on Running Tasks

Watch the spinning indicator in the status bar

Tasks



Leverages existing task runners and tools

Connecting to tasks with tasks.json

Babel, TypeScript, JSHint

Adding problems to the warnings/errors list

Detecting Gulp (and grunt and jake)

Debugging your task code