

How to install grunt and how to built script with it



Hi I'm trying to install Grunt on window7 64 bit. I have installed the Grunt using command

```
npm install -g grunt
npm install -g grunt-cli
```

but now if i try to do grunt init it is throwing me an error -

A valid Gruntfile could not be found. Please see the getting started guide for more information on how to configure grunt: <http://gruntjs.com/getting-started> Fatal error: Unable to find Gruntfile.

But when i look inside the grunt folder on my syster the Gruntfile.js is there. can someone please guide me how to install this grunt properly and how to write built Script using the grunt. I have one HTML page and java script if i wants built a script using Grunt how can i do it?

1. Make sure you have setup your `package.json` or setup new one:

```
npm init
```

2. Install Grunt CLI as global:

```
npm install -g grunt-cli
```

3. Install Grunt in your local project:

```
npm install grunt --save-dev
```

4. Install any Grunt Module you may need in your build process. Just for sake of this sample I will add Concat module for combining files together:

```
npm install grunt-contrib-concat --save-dev
```

5. Now you need to setup your `Gruntfile.js` which will describe your build process. For this sample I just combine two JS files `file1.js` and `file2.js` in the `js` folder and generate `app.js`:

```
module.exports = function(grunt) {

    // Project configuration.
    grunt.initConfig({
        concat: {
```

```
        "options": { "separator": ";" },
        "build": {
            "src": ["js/file1.js", "js/file2.js"],
            "dest": "js/app.js"
        }
    }
});

// Load required modules
grunt.loadNpmTasks('grunt-contrib-concat');

// Task definitions
grunt.registerTask('default', ['concat']);
};
```

6. Now you'll be ready to run your build process by following command:

```
grunt
```

I hope this give you an idea how to work with GruntJS build.

NOTE:

You can use `grunt-init` for creating `Gruntfile.js` if you want wizard-based creation instead of raw coding for step 5.

To do so, please follow these steps:

```
npm install -g grunt-init
git clone https://github.com/gruntjs/grunt-init-gruntfile.git ~/.grunt-init/gruntfile
grunt-init gruntfile
```

For Windows users: If you are using cmd.exe you need to change `~/.grunt-init/gruntfile` to `%USERPROFILE%\grunt-init\`. PowerShell will recognize the `~` correctly.