

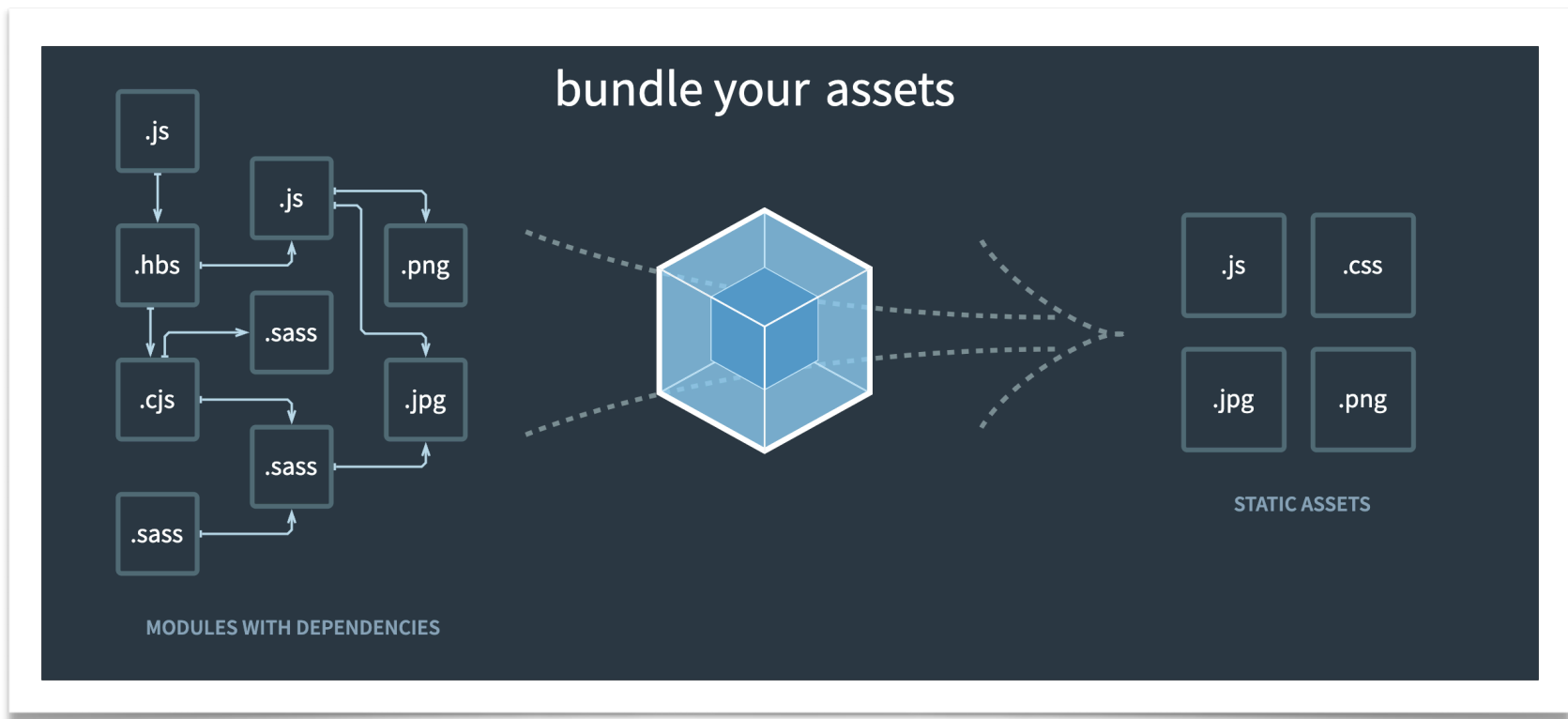
WebPack

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What is it's purpose?

To bundle your code

How does it work?



3 main things webpack needs to know

1. the starting point of your application
2. which transformations to make on your code
3. where it should save the new transformed code

1. Specify an entry point

```
module.exports = {  
  entry: './app/index.js',  
  module: {  
    rules: [  
      {  
        test: /\.css$/,  
        use: ['style-loader', 'css-loader']  
      }  
    ]  
  }  
}
```

2. Add a loader

```
rules: [  
  {  
    test: /\.svg$/,  
    use: "svg-inline-loader",  
  },  
  {  
    test: /\.s[ac]ss$/i,  
    use: [  
      // Creates `style` nodes from JS strings  
      "style-loader",  
      // Translates CSS into CommonJS  
      "css-loader",  
      // Compiles Sass to CSS  
      "sass-loader",  
    ],  
  },  
  {  
    test: /\.js$/,  
    use: "babel-loader",  
  },  
]
```

3. Specify the output

```
output: {  
  path: path.resolve(__dirname, "dist"),  
  filename: "bundle.js",  
},  
}
```

html-webpack-plugin

```
const HtmlWebpackPlugin = require("html-webpack-plugin");

const HTMLWebpackPluginConfig = new HtmlWebpackPlugin({
  template: __dirname + '/app/index.html' , filename: 'index.html' ,
  inject: 'body'
});
```

```
});
```

```
module.exports = config;
```


html template

app/index.html

```
<!DOCTYPE html>
<html lang= "en">
<head>
  <meta charset= "UTF-8">
  <title>My App< /title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <div id= "app"></div>
</body>
</html>
```

dist/index.html

```
<!DOCTYPE html>
<html lang= "en">
<head>
  <meta charset= "UTF-8" >
  <title>My App< /title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <div id= "app"></div>
  <script src="index_bundle.js"></ script>
</body>
</html>
```

Thank You !