# Contributing to Pandora.js

## ????

### ?? NPM ???????

???????????????????? lerna ????????????????????

### ????????

\* scripts => ????

\* packages => ?????????

\* ????? NPM ?

\* src ???

\* dist ??????

\* test ????

### ?? Package ???????

\* npm run build => ??

\* npm run lint => ??? test?src ??? lint

\* npm run test => ????

\* npm run cov => ???

\* npm run gen-api-ref => ?? API-Reference

### ????????

\* npm run bootstrap => lerna bootstrap

\* npm run test => ??? packages ??????

\* npm run cov => ??? packages ???????

\* npm run build => ??? packages ?? build

\* npm run publish => ??? npm

\* npm run clean => lerna clean

\* npm run purge => ??????

\* npm run gen-api-ref => ???? API-Reference

\* npm run ci => ?? CI

### ?????

1. checkout ??? features/xxx

2. ????

3. ??? develop merge ??? MR ? PR?

4. ??? develop

### ????????

\* npm run test

\* ???? IDE ?? Mocha

## ????

### ??????

1. ??

\* ?????Mocha

\* ?????chai ? expect ??

\* Mock???mm

\* ??????istanbul

2. ??

\* ??????Statement 90% ???Branch 80% ??

### ????

??????????????????????????????

1. ????

\* ?? TypeScript

\* ???????????? Interface ???????????????????????????

2. ?????

\* ?? nsp

\* ?????? nsp

### ????

1. ??

\* ?? TSLint ??????

2. ????

\* ????

### debug ????

```

const debug = require('debug')('pandora:pakageName:ClassName');

```

\* ??require??debug?

\* ??????????

\* `pandora`

\* ???

\* ??????

### ????

1. ??

\* typedoc ?? API-Reference

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### ????

1. Pandora.js ????????????????????? Pandora.js ??????

2. ?? Linux ??????????????????

### ????

\* Linux

\* Mac

\* Window // ?????

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