




# Разработка кросс-платформенных десктоп приложений на базе nw.js



Команда профессионалов web-разработчиков

A man with long dark hair, wearing a dark suit, a light blue shirt, and a red tie, is sitting in a white office chair. He has his feet propped up on a wooden desk, wearing brown shoes with red socks. The office background includes a wooden desk with a framed photo, a potted plant, and a desk lamp.

Давайте сделаем !@#\$%^&

A still from the TV show 'The Big Bang Theory' featuring characters Howard Wolowitz (left) and Leonard Hofstadter (right). Howard is wearing glasses and a plaid shirt, looking thoughtful with his hand to his chin. Leonard is wearing a blue t-shirt and looking towards Howard. They are in a cluttered office setting.

Сейчас это не возможно сделать в  
браузере

# Возможные варианты решения

1. Mono, Unity3D - C#, .Net
2. Qt/Gtk - C/C++, js, python, php, bash
3. tidesdk.org - js, python, php, ruby
4. appjs.com -js
5. Brackets Shell - js

An illustration of two men fist-bumping at a conference. The man on the left has a beard and is wearing a blue t-shirt and a blue lanyard. The man on the right has glasses and is wearing a white shirt, a dark tie, and a blue lanyard. They are both wearing name tags. The background is green with a pattern of 3D rectangular blocks. A teal banner at the bottom contains white text.

Мы пишем на `node.js` для `chrome`, будем использовать `pw.js`

## Кирилл Данилов

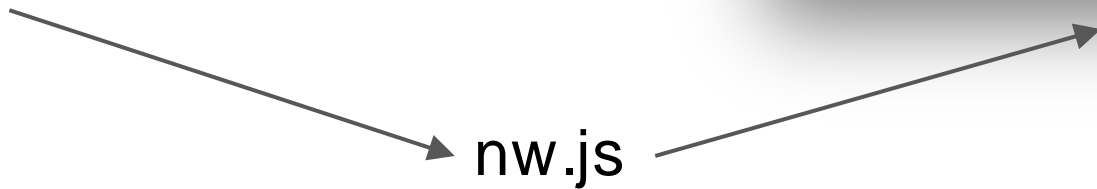
Разработчик продуктов полного цикла, имеет большой опыт разработки мобильных приложений под разные платформы. Поклонник хакатон движения, открытых вэб технологий и носимой техники. Докладчик на ИТ конференциях и митапах. Ранее евангелист платформ Tizen и Android в Samsung Russia.

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# Что такое nw.js

```
<html>  
  <body>  
    <h1>Content</h1>  
  </body>  
</html>
```





История проекта

# node-webkit



io.js-chromium

nw.js

# Установка и запуск

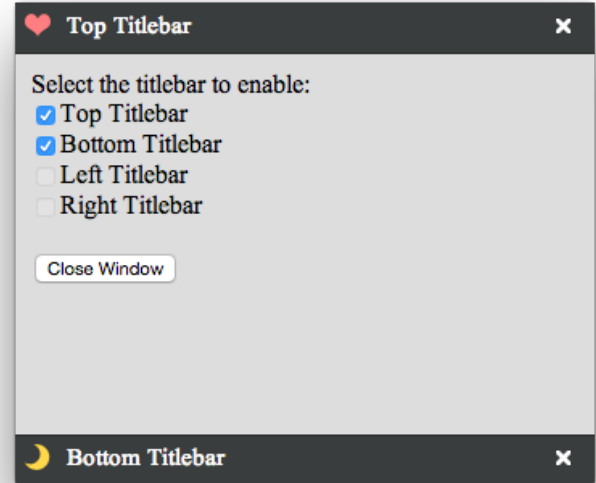
```
$ npm install -g nw
```

```
$ nw .
```

```
$ npm install -g \
```

```
generator-node-webkit
```

```
$ yo node-webkit
```



# Обзор API

Window

Menu

Tray

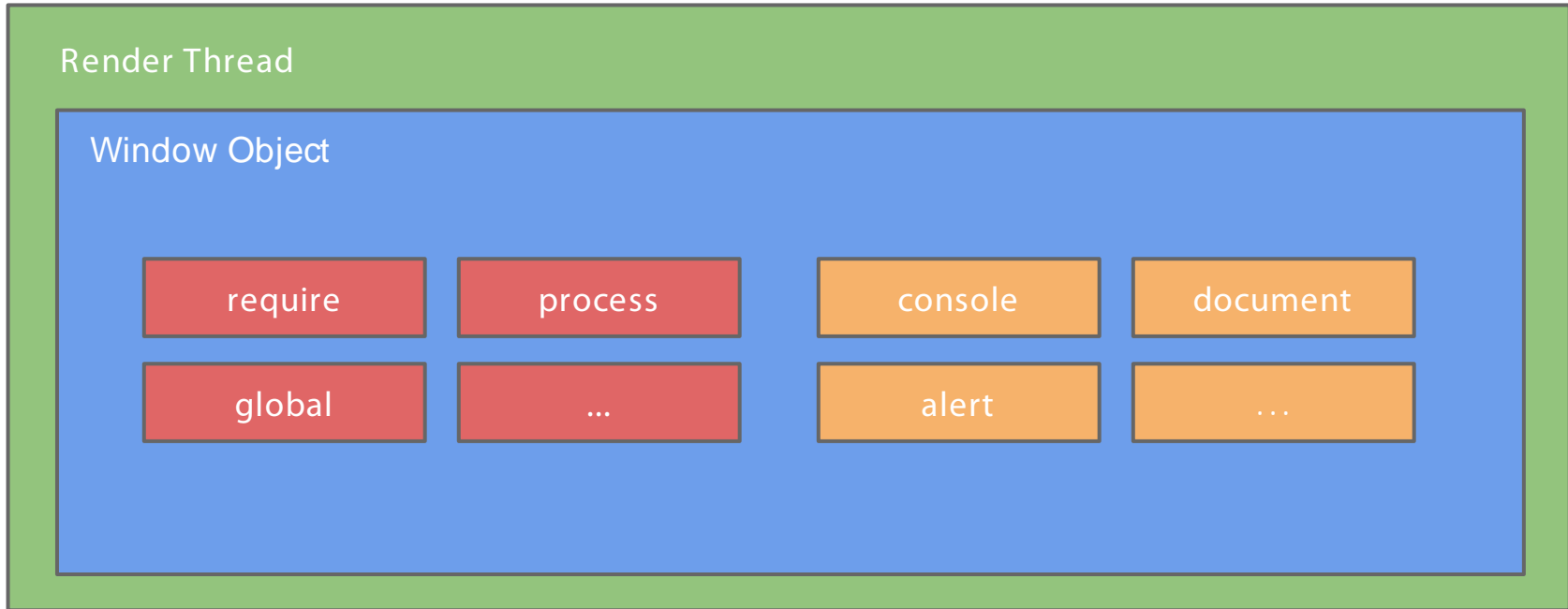
Shell

Snapshots

HTML5 Stack: Notifications W3C, Audio, WebGL, etc

Platform specific: setBadge, requestAttention, Tile

# Как работает nw.js



A photograph of a computer monitor in a dimly lit room. The monitor displays a bright, abstract image with white and yellow shapes against a dark background. A blue banner is overlaid across the center of the monitor, containing the word 'Контекст' in white Cyrillic text. To the left of the monitor is a dark, vertical object, possibly a computer tower or a cabinet. To the right is a white speaker or a similar device. The overall scene is somewhat blurry and has a warm, yellowish tint.

# Получаем доступ из io.js в chromium

```
// In index.html
```

```
<script>  
  global.foo = function(){  
    console.log('Hello, moscowjs');  
  };  
  global.label = {text: 'label'};  
  require('mymodule.js');  
</script>
```

```
// In mymodule.js
```

```
global.foo();  
label.text = 'Hello, nw.js';
```

# Сборка

```
npm install grunt-node-webkit-builder  
grunt build
```

```
npm install appdmg grunt-appdmg ← OS X  
grunt appdmg
```

```
www.jrsoftware.org/isinfo.php ← windows
```

# Обновление приложения

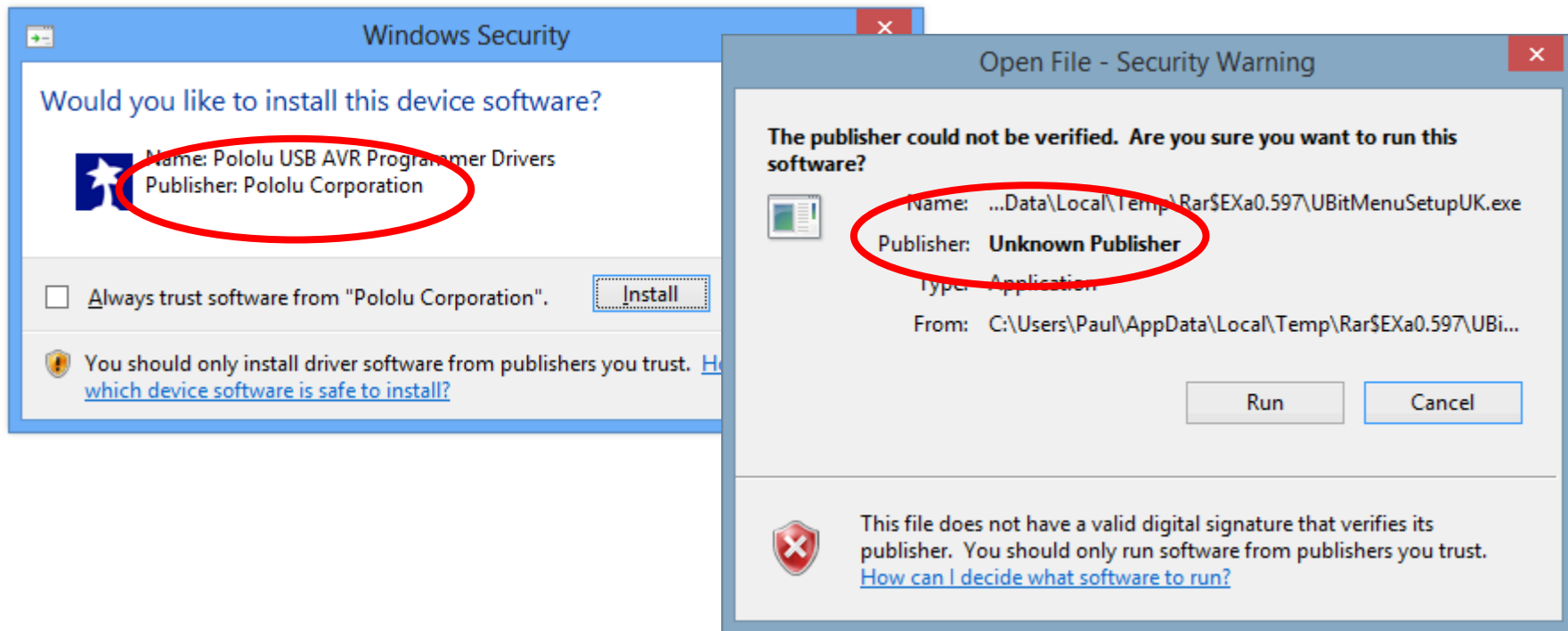
`npm install nw-updater`

- проверит версию
- скачает архив (js, html, css, img)
- распакует архив
- сообщит о результатах

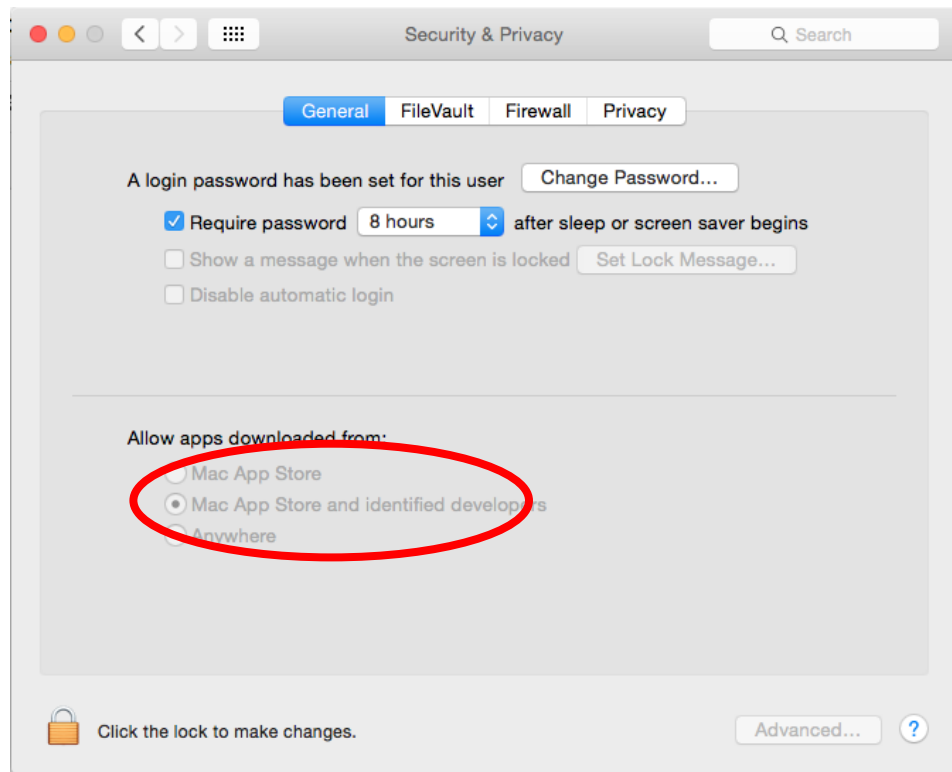
или скачайте exe/dmg и запустите через spawn/exec



# Публикация приложения



# Публикация приложения



# Подпись приложения в OSX

```
$ security -q find-identity -p codesigning -v
```

```
1) B1A396F087E99938437F781R9F0DA238971D4D7A "Developer ID Application: CORP  
INC (MYIDENTITY)"
```

```
$ codesign -d --deep-verify -v -v -v --force --verify --verbose --sign "Corp Inc" Your.app
```

```
$ spctl -a -t exec -vv Your.app
```

```
Your.app: accepted
```

```
origin=Developer ID Application: CORP INC (MYIDENTITY)
```

# Где использовать?

обертка сайта

простые игры

хранение больших данных

фоновые процессы

ежедневные операции

# Кто использует nw.js

1. Popcorn Time
2. Intel® XDK
3. DebugGap
4. Tinder++
5. Mongo Management Studio
6. etc.



Game of Thrones  
2011 4 Seasons



Breaking Bad  
2008 5 Seasons



The Big Bang Theory  
2007 7 Seasons



The Walking Dead  
2010 4 Seasons



Dexter  
2006 8 Seasons



How I Met Your Mo...  
2005 9 Seasons



Sherlock  
2010 3 Seasons



Fringe  
2008 5 Seasons



House  
2004 7 Seasons



Homeland  
2011 3 Seasons



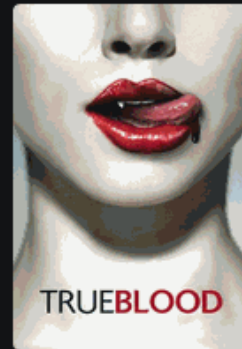
Lost  
2004 5 Seasons



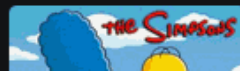
Arrow  
2012 2 Seasons

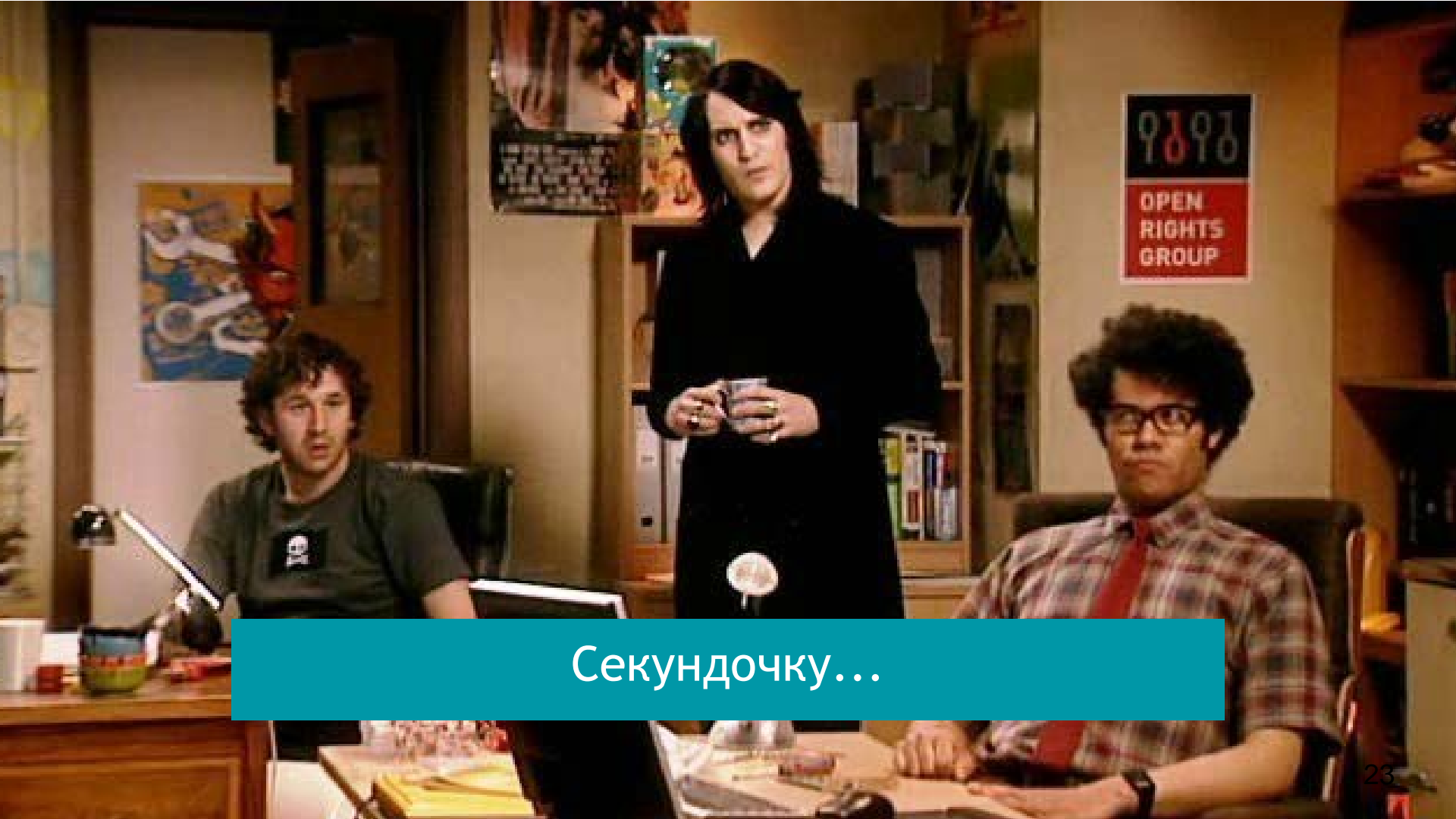


Modern Family  
2009 5 Seasons



True Blood  
2008 6 Seasons





Секундочку...

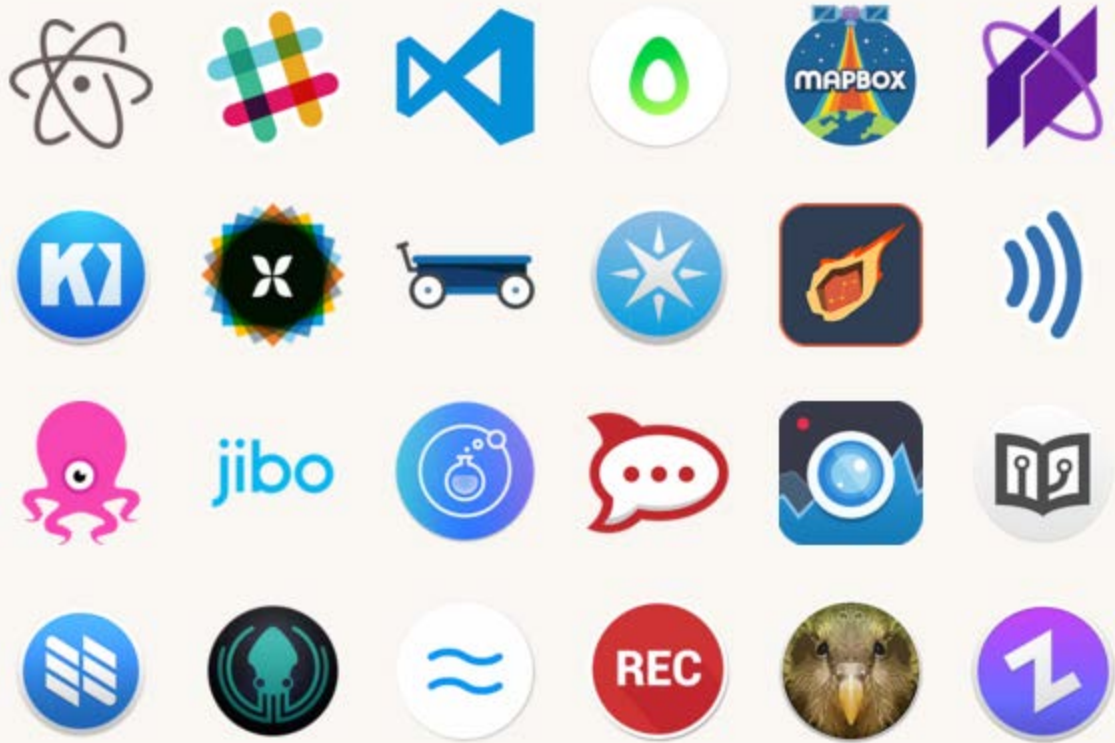


# ELECTRON

Build cross platform desktop apps with web technologies

Formerly known as Atom Shell. Made with ♥ by GitHub.





# electron.js vs nw.js

	nw.js 0.12.3	electron 0.31.1
Browser runtime	Chromium	libchromiumcontent
Layout Engine	Blink/WebKit537	WebKit537
Chrome build	41	44
Entry point	html/javascript	javascript
Chrome App/Api support	Yes	No
Windows Apps Store/XP	Yes	No
Mac App Store	Yes	It's complicated



# Спасибо

## Вопросы?

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