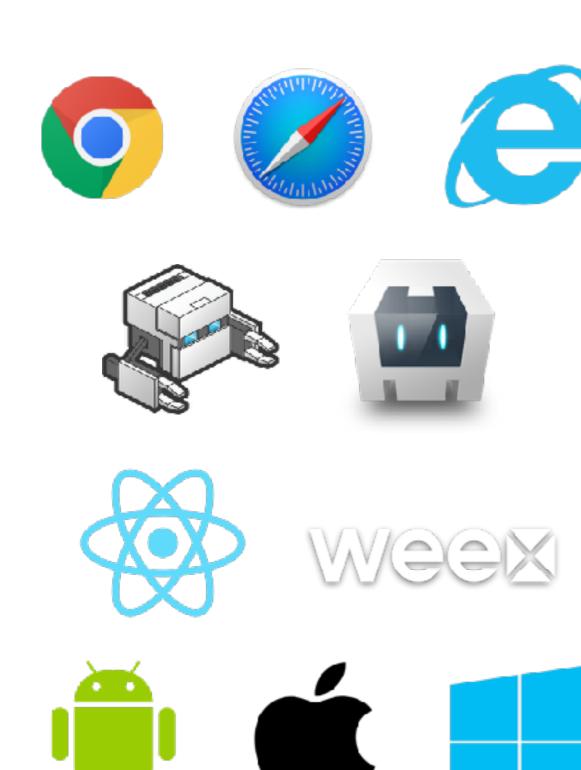


React Native 实践 张自萌

大纲

- 常见APP开发技术以及对比
- React Native 两种开发模式对比
- React Native 的原理介绍
- ListView 性能优化
- 动画优化
- 白屏优化
- 拆包按需加载

常见的移动端开发技术



HTML5

Hybrid

JS to Native

Native

技术对比

C O S T

Native UI/ UX 性能高 单平台 不好自更新





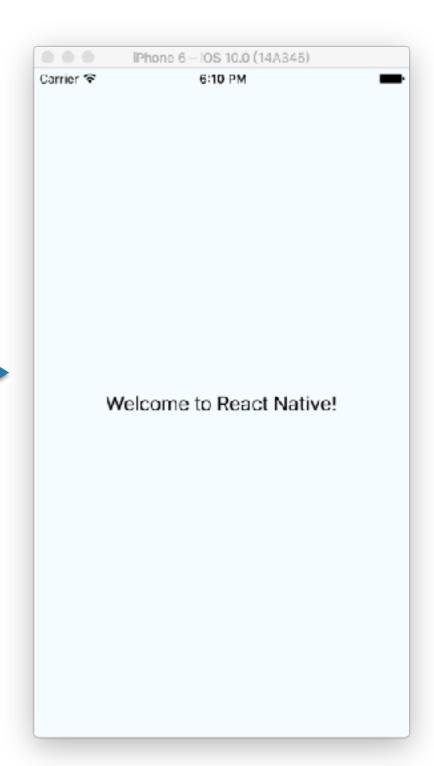
跨平台 自更新 开发学习成本低 Web UI/UX 性能差 拓展代码 跨平台 自更新 性能较高 开发学习成本低 Native UI/UX



跨平台 自更新 开发学习成本低 端能力差 Web UI/UX 性能差

Hello World

```
nport React, {Component} from 'react';
 mport {
   AppRegistry,
   StyleSheet,
    Text,
   View
 from 'react-native';
export default class HelloWorld extends Component {
    render() {
       return (
           <View style={styles.container}>
               <Text style={styles.welcome}>
                   Welcome to React Native!
               </Text>
           </View>
       );
const styles = StyleSheet.create({
   container: {
       flex: 1,
       justifyContent: 'center',
       alignItems: 'center',
       backgroundColor: '#F5FCFF',
   },
   welcome: {
       fontSize: 20,
       textAlign: 'center',
       margin: 10,
AppRegistry.registerComponent('HelloWorld', () => HelloWorld);
```



与web前端开发差异

- JSX vs HTML
- CSS-layout vs css
- ECMAScript 6 vs ECMAScript 5
- React native View vs DOM

单RN开发模式



微粉



Native + RN开发模式









Native

RN

RN

RN

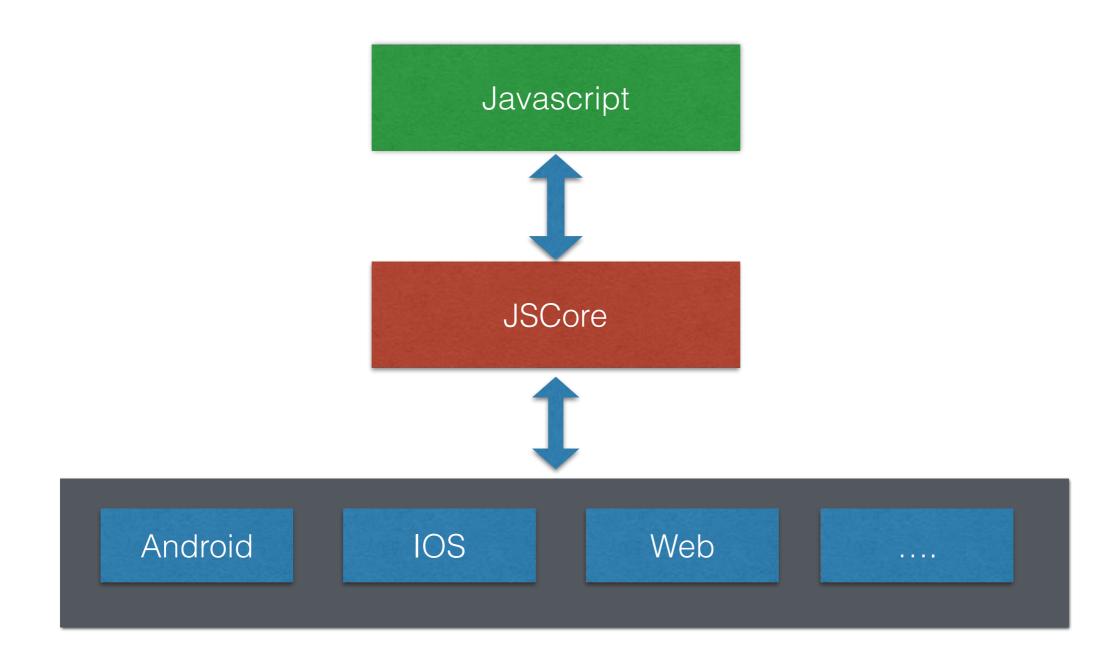




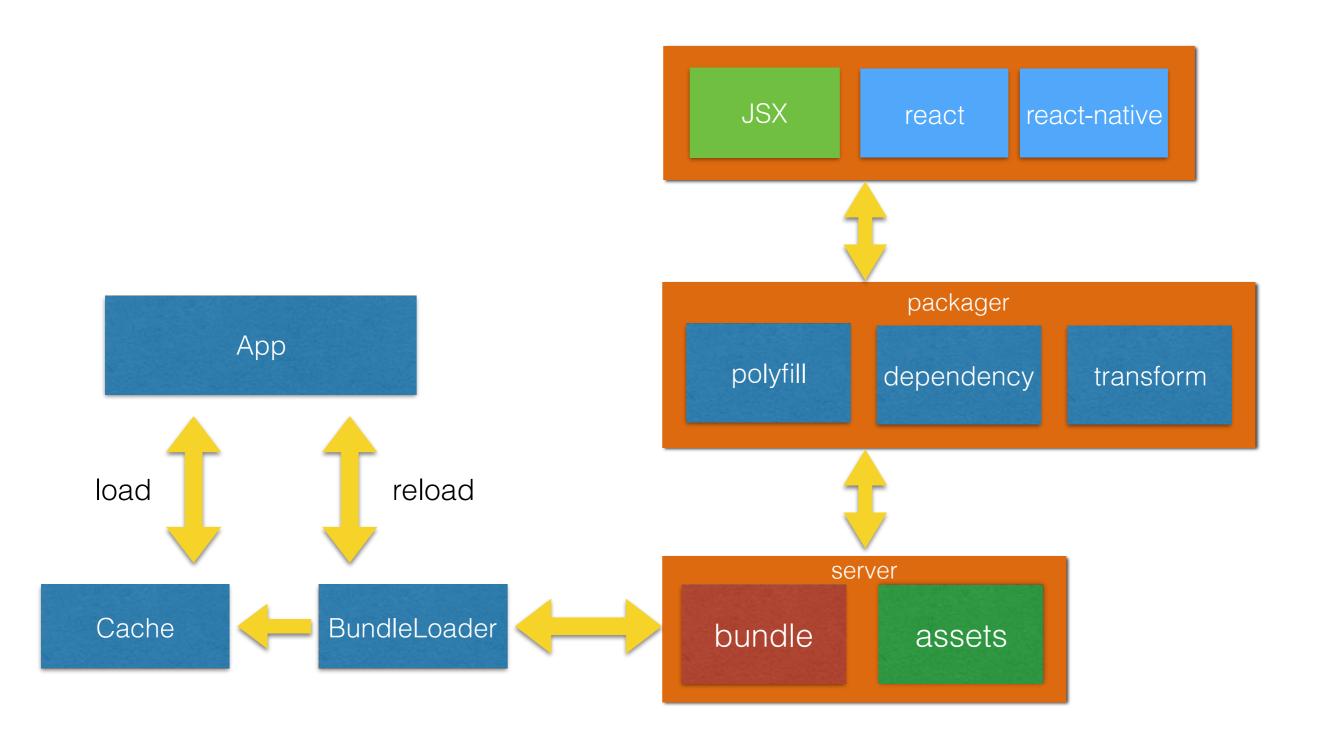
单RN VS Native + RN

- 单RN
 - 适合新项目
 - 风险较大,回滚成本高
 - 复杂应用在低端机上有性能问题
- Native + RN
 - 适合老项目
 - 风险较低,回滚成本低
 - 需要改造native代码

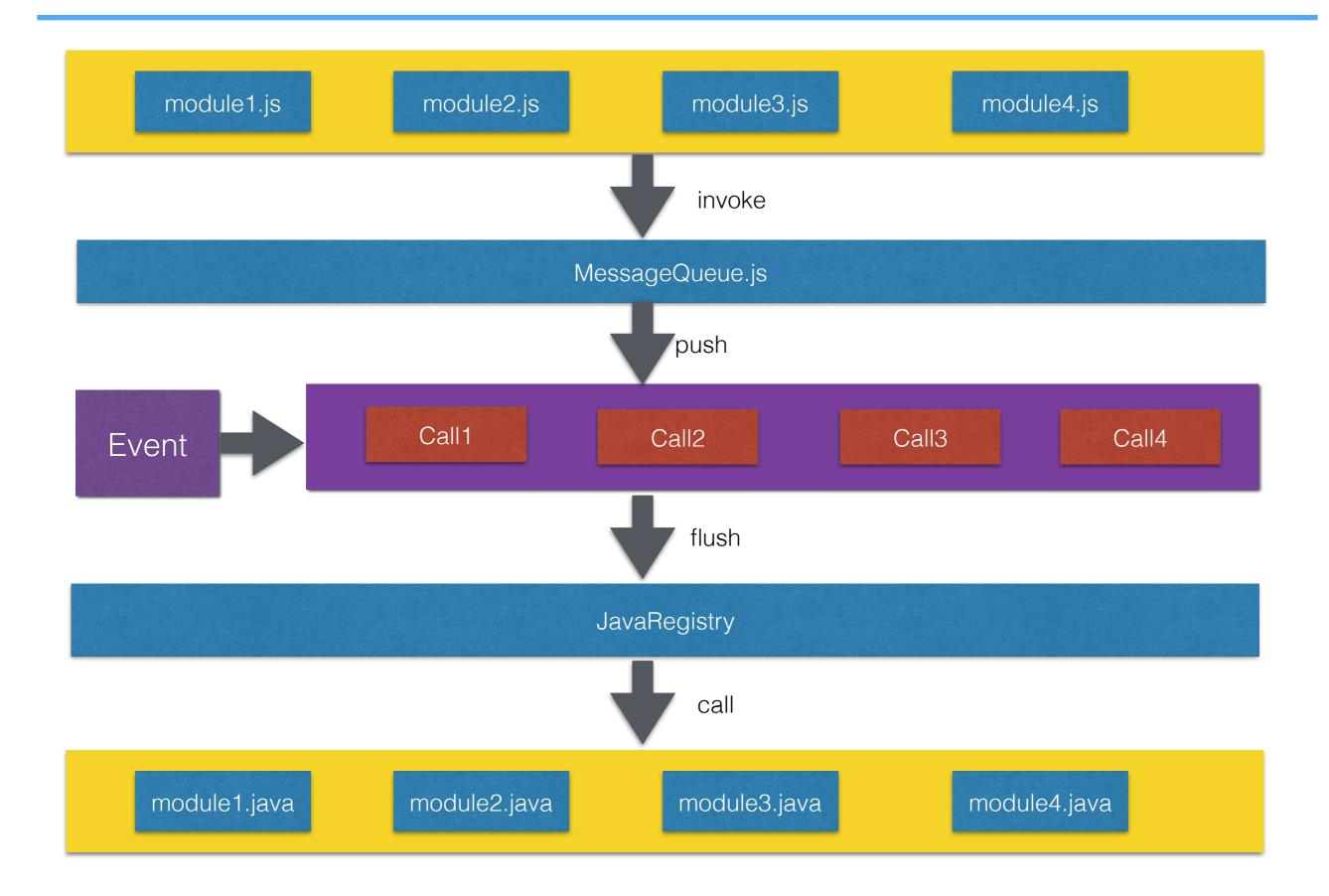
认识React Native



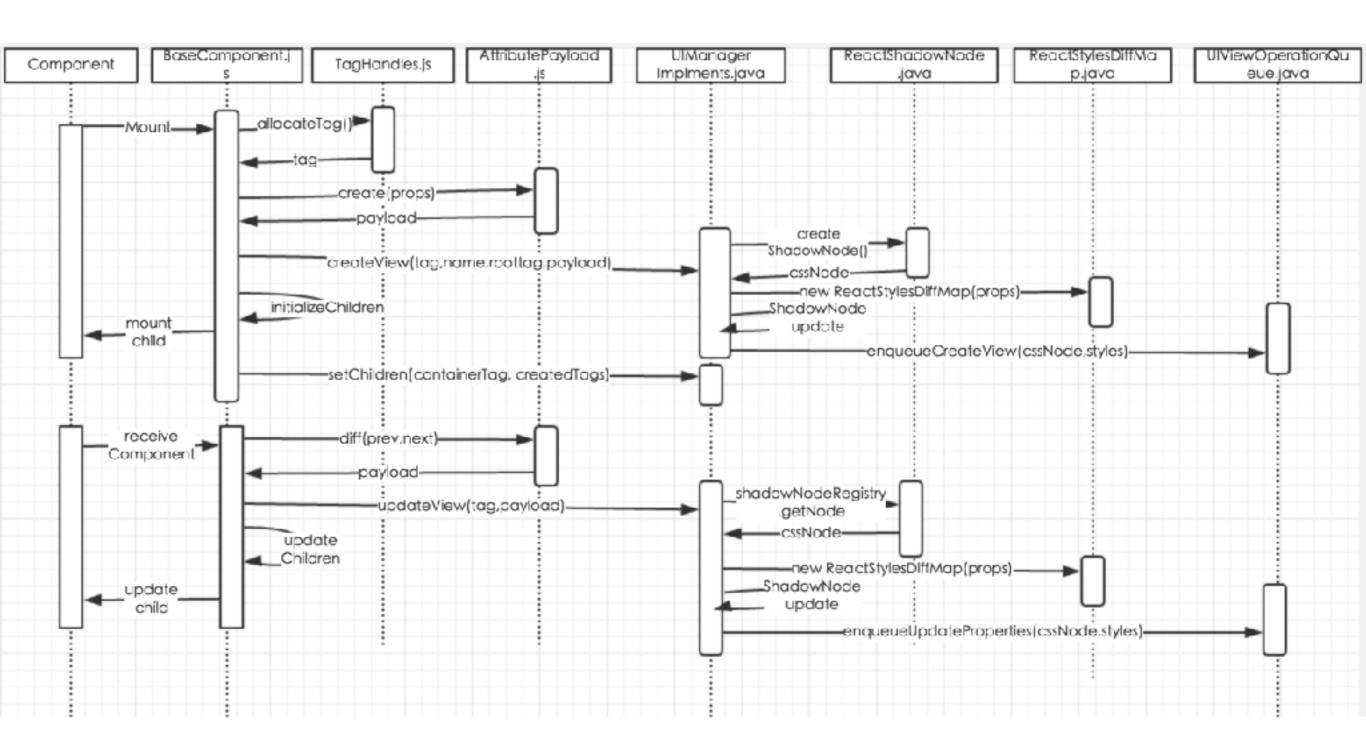
React Native加载机制



React Native 通信机制

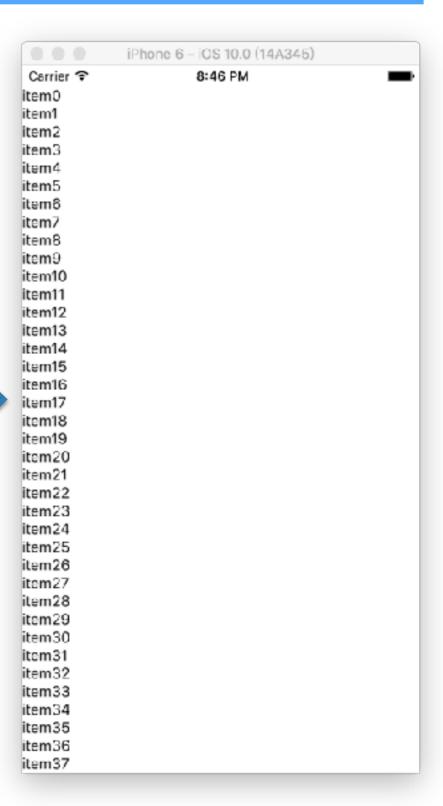


React Native UI原理

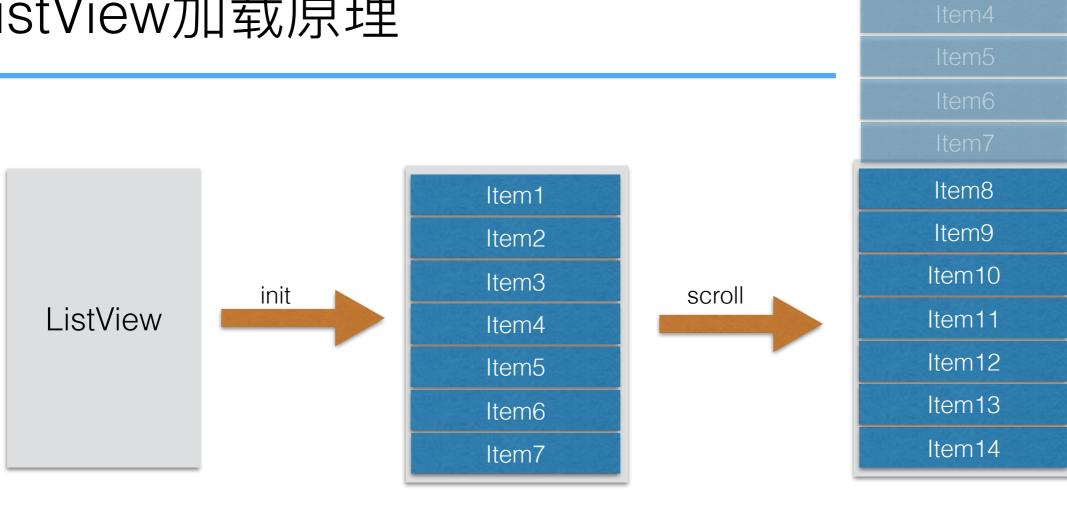


ListView

```
nport React, {Component} from 'react';
 mport {
    AppRegistry,
    StyleSheet
    Text,
    ListView
 from 'react-native':
class MyComponent extends Component {
    constructor() {
        super();
        const ds = new ListView.DataSource({rowHasChanged: (r1, r2) => r1 !== r2})
        const arr = [];
        for(let i = 0;i<1000;i++){</pre>
            arr.push("item"+i)
        this.state = {
            dataSource: ds.cloneWithRows(arr),
        };
    render() {
        return (
            <ListView
                initialListSize={40}
                pageSize={40}
                dataSource={this.state.dataSource}
                renderRow={(rowData) => <Text>{rowData}</Text>}
            />
        );
AppRegistry.registerComponent('HelloWorld', () => MyComponent);
```



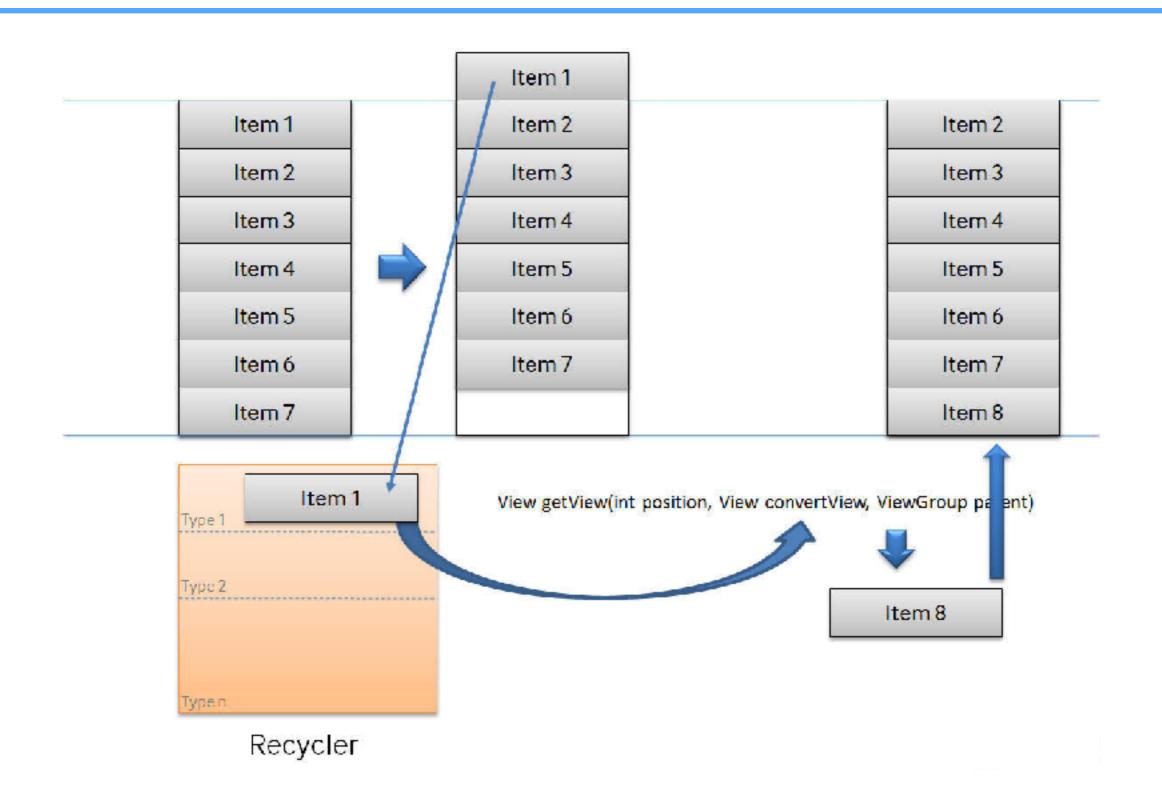
ListView加载原理



Listview加载采用顺序懒加载方式

- 合理设置初始化个数可以降低白屏时间
- 使用renderfooter渲染loading,当快速滑动渲染跟不上可以让用户先 看到loading,提升用户体验

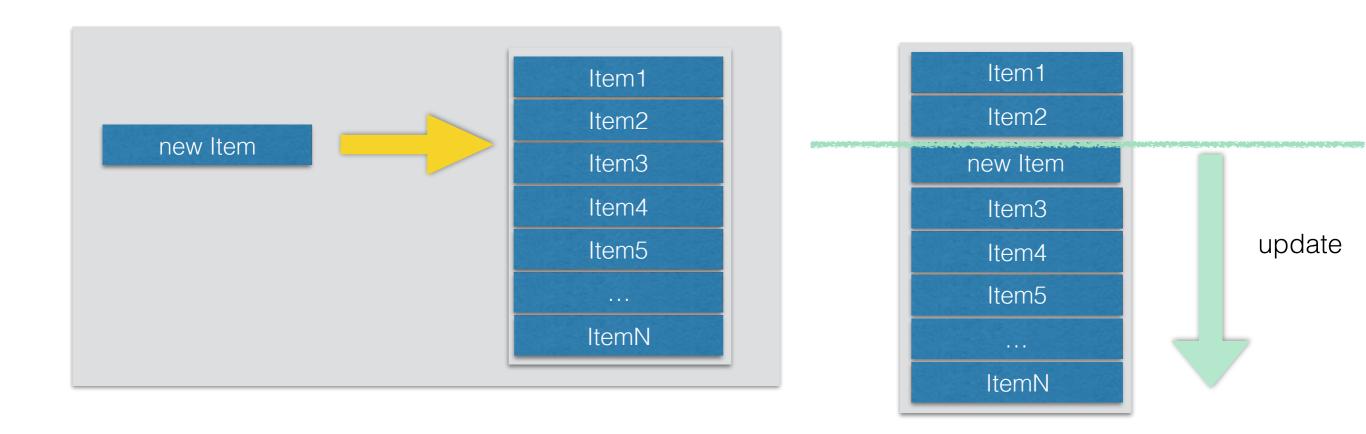
RecyclerView



ListView vs RecycleView

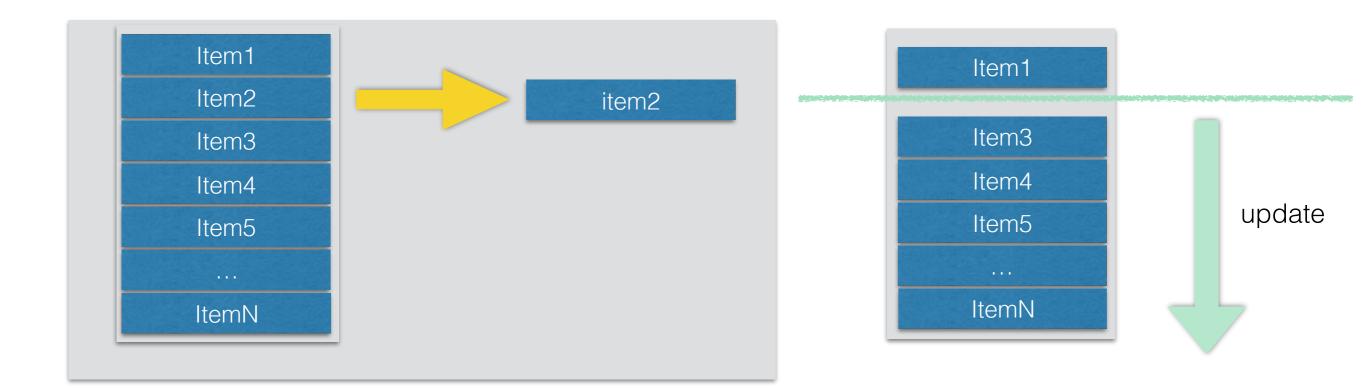
- View 没有复用
- 插入删除性能差
- 无法做锚点功能
- 存在内存泄露问题

Listview插入



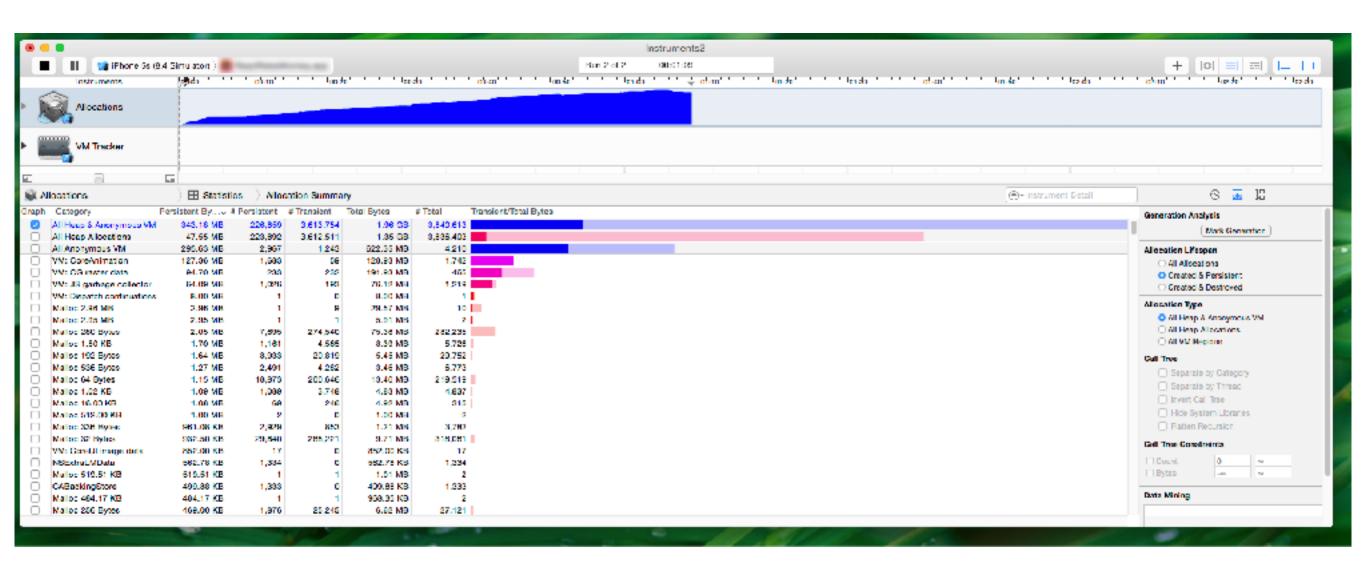
慎用listview的非底部插入功能,它会从插入点到列尾全部更新view,导致页面卡顿如果使用顶部刷新,建议刷新完成后让listview key++,加快渲染速度

Listview删除



慎用listview删除功能,它会从插入点到列尾全部更新view,导致页面卡顿建议删除item的时候,直接将item高度设置为0,而不要重新渲染 listview

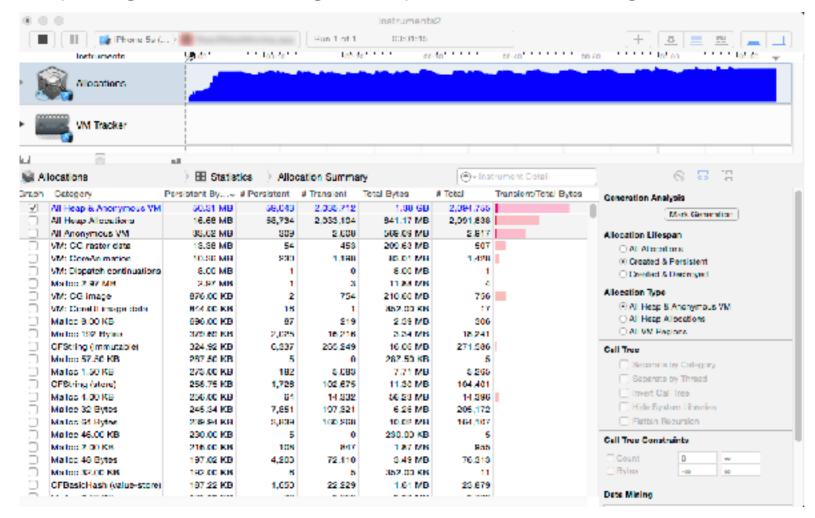
Listview内存分析



随着listview 滑动,item不断加载,内存呈线性增长趋势,当内存警告时, 系统会主动回收,内存降低,有OOM的风险

SGListView优化内存

https://github.com/sghiassy/react-native-sglistview

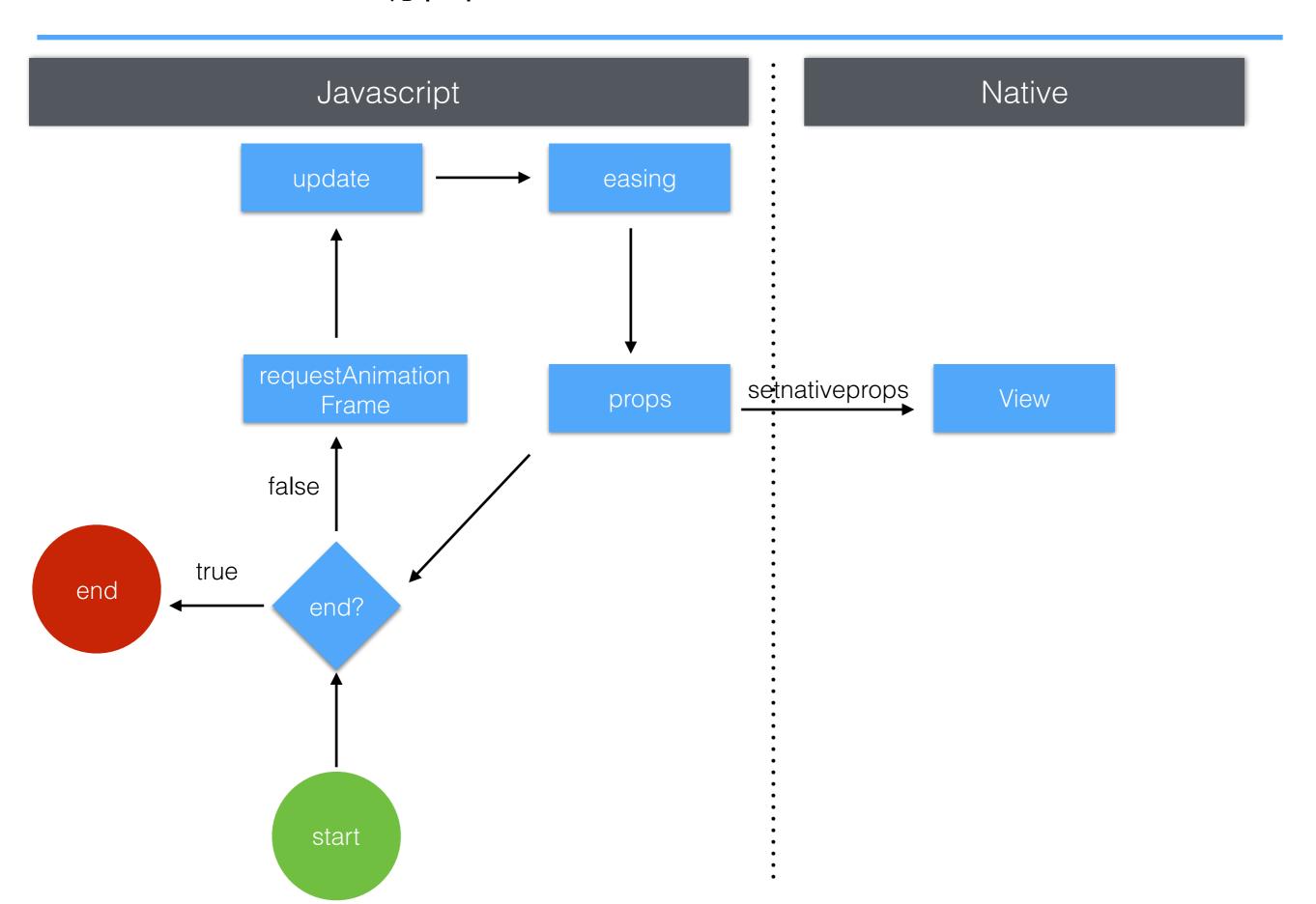


- 实现方案 将不在列表可视区的item置换成空view
- 优势 能有效降低内存占用,不会导致OOM
- 劣势 滑动过程过快重新渲染会导致白屏

React Native动画

```
class RandomView extends React.Component {
  state: any;
  constructor(props) {
    super(props);
   this.state = {
      firstValue: new Animated.Value(0),
      secondValue: new Animated.Value(0),
   };
  componentDidMount() {
   Animated.timing(this.state.firstValue, {toValue: 1, duration: 2000}).start();
    Animated.spring(this.state.secondValue, { toValue: 100 , tension: -10 }).start();
  }
  render() {
    return (
      <Animated.View // Special animatable View</pre>
        style={{
          opacity: this.state.firstValue, // Binds
          translateX: this.state.secondValue,
        }}>
        <Text>Hello</Text>
      </Animated.View>
    );
```

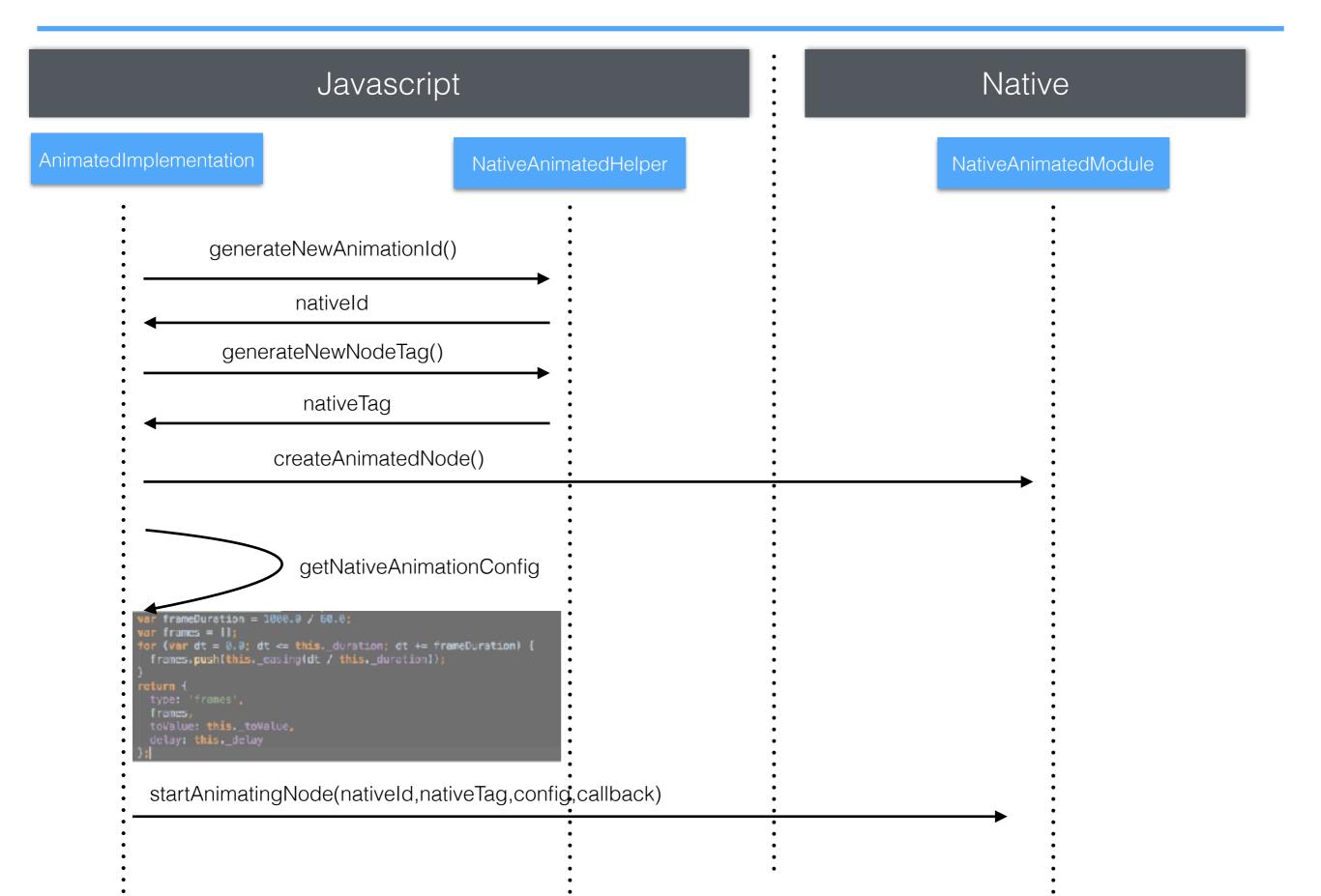
React Native动画-AnimatedView



React Native动画-AnimatedView

- js利用requestAnimationFrame进行60fps循环
- 采用setNativeProps直接更新状态
- js是单线程,每帧状态更新需要跟native通讯,容易掉帧

React Native动画-useNativeDriver



React Native动画-useNativeDriver

- useNativeDriver需要手动打开
- 去掉js端的timer, 改用native来做timer
- js提前算好所有frames, 一次性传给native
- duration越长,frames数组越大
- 开启后有一定的性能提升

React Native动画优化-预定义动画

```
/*component*/
UIManager.dispatchViewManagerCommand(
    findNodeHandle(this.refs.AnimationView),
    UIManager.AnimationView.Commands.start, [{
        animId: this._animId,
        rotate: this._rotate.
        translate: this._translate,
        scale: this._scale,
        opacity: this._opacity,
        duration: this._duration | 200,
        easing: ""+JSON.stringify(this._interpolator),
        delay: this._delay || 0
    }]
/*调用*/
<AnimationView ref="view"/>
this.refs.view.clearAnimation().setTranslate({
    from: {x: 0, y: 1000},
    to: {x: 0, y: 0}
}).setOpacity({
    to: 1
}).setScale({
    from: {x:0,y:0},
    to: {x: 1, y: 1}
}).onStart(() ⇒> {
    this.setState({
        opacity: 1
}).setEasing({
    type: "bounce"
}).setDuration(10000).start();
```

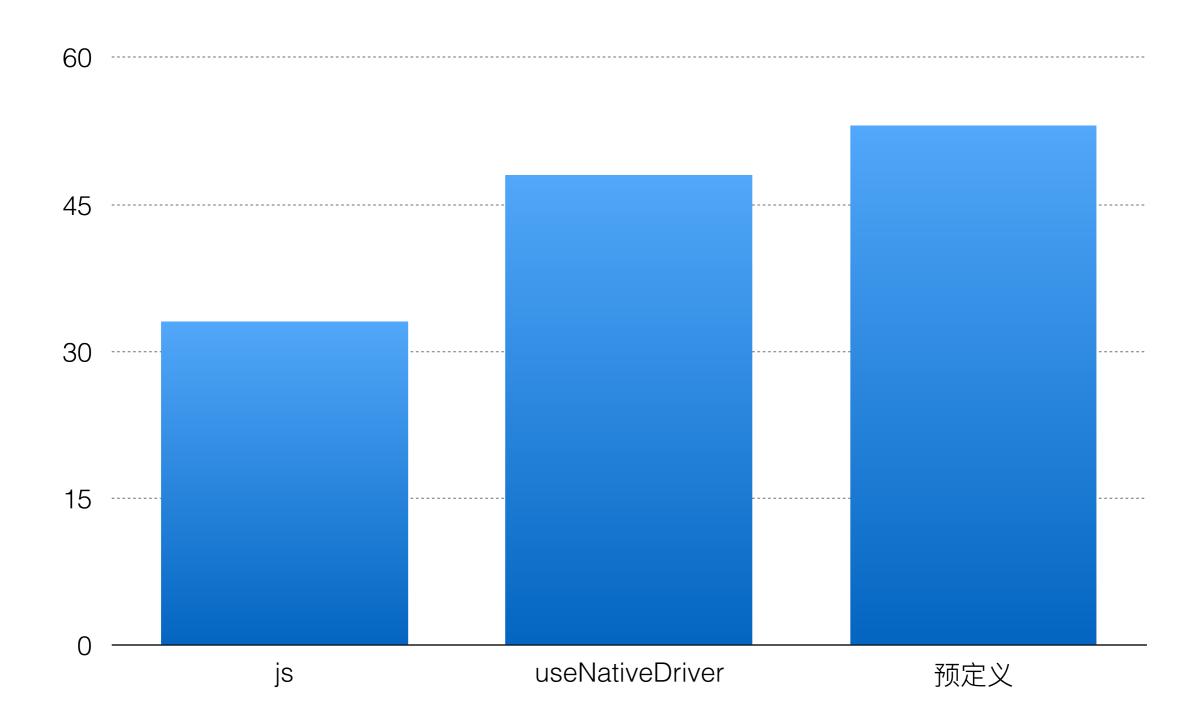
```
public void startAnimation() {
   //初始化from
    setTranslationX(fromX);
    setTranslationY(fromY);
   //....
    //执行动画
    animate().translationX(toX).translationY(toY).alpha(alpha).rotation(rotate)
            .scaleX(scaleX).scaleY(scaleY).setDuration(duration)
            .setInterpolator(new BounceInterpolator())
            .setStartDelay(delay).setListener(new Animator.AnimatorListener() {
        @Override
        public void onAnimationStart(Animator animation) {
            dispatchEvent(animId, "start");
        @Override
        public void onAnimationEnd(Animator animation) {
            dispatchEvent(animId, "end");
        @Override
        public void onAnimationCancel(Animator animation) {
        }
        @Override
        public void onAnimationRepeat(Animator animation) {
        }
    }).start();
```

js native

React Native动画优化-预定义动画

- Native预定义好常见的动画类型和easing算法
- js直接将配置发送到native执行
- 不在预定义动画类型外建议使用useNativeDriver

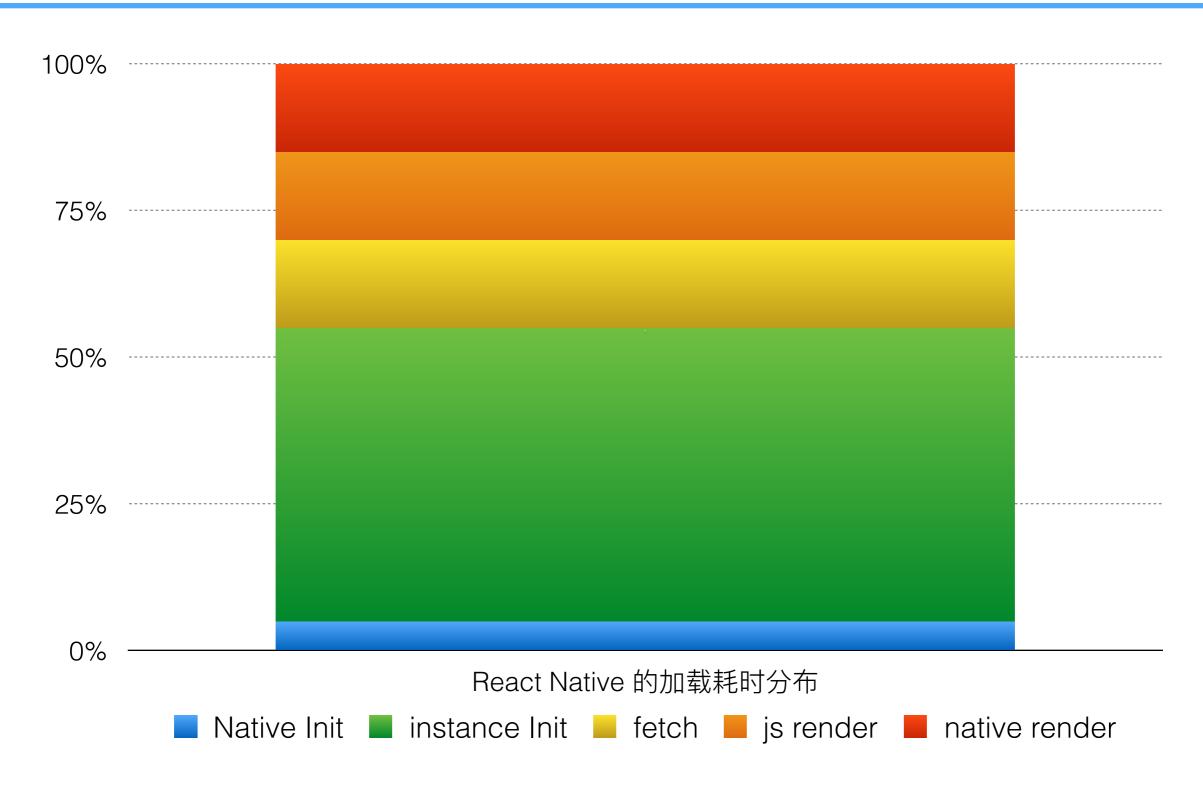
React Native动画帧率



Android白屏

0.7s-1.5s

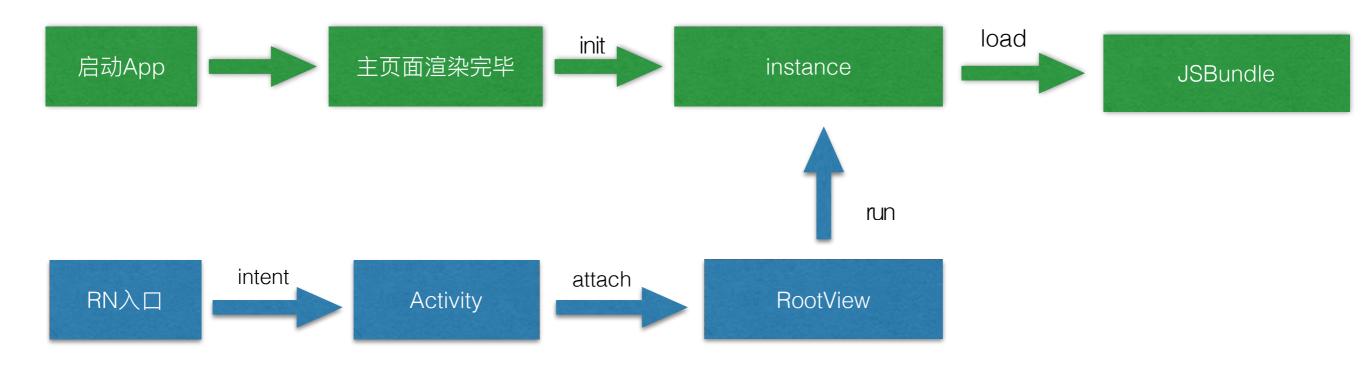
Android加载耗时分布



instance初始化耗时最严重

Android白屏优化

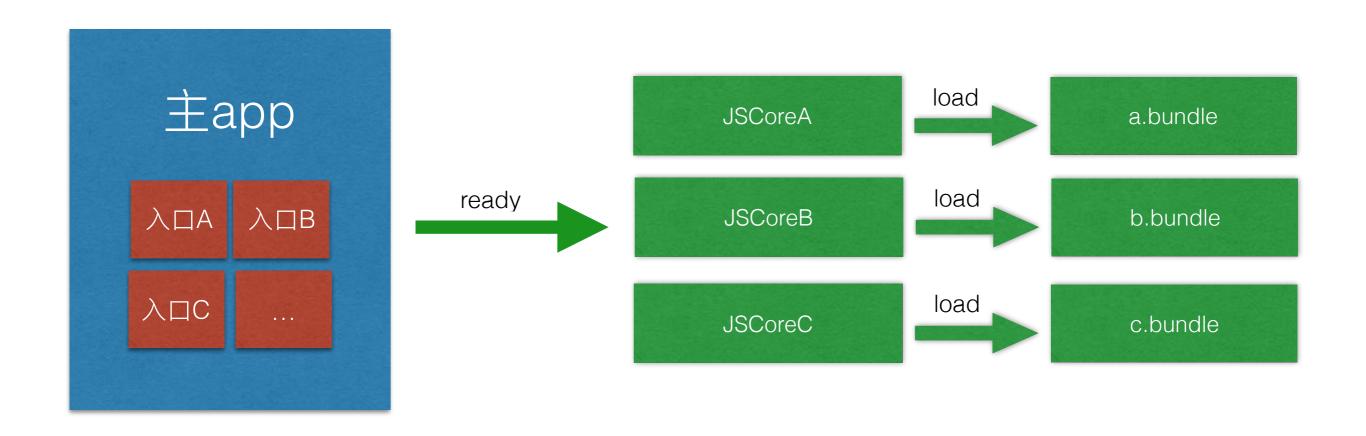
优化采用内存换时间,提前初始化JSCore



Android白屏优化后

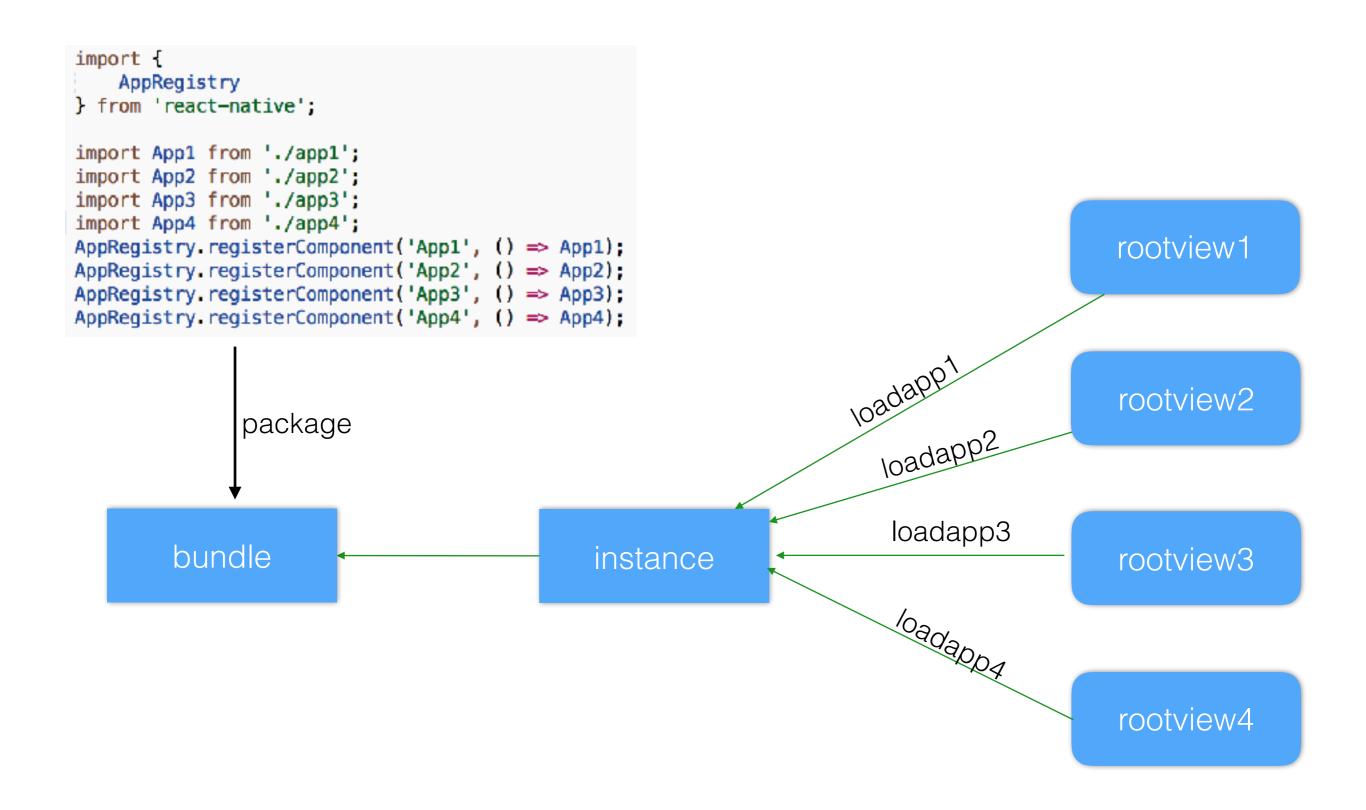
0.3s-0.6s

预加载的问题



入口越多预加载的个数越多,内存开销越大

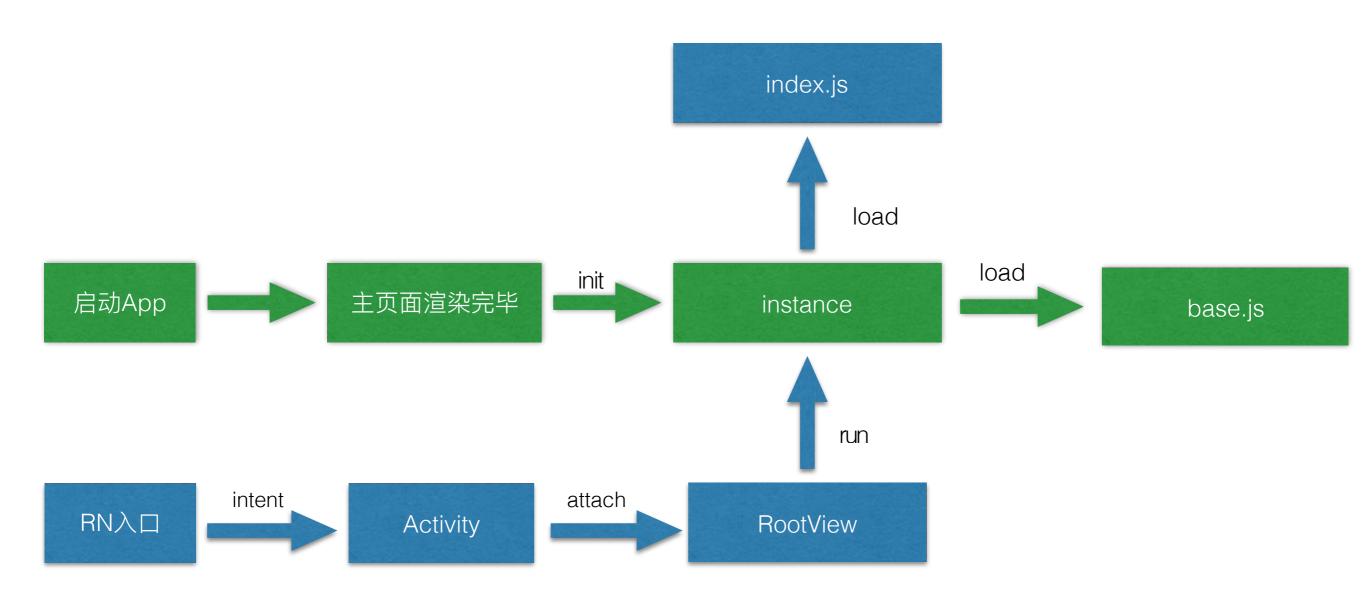
multi-component



multi-component

- instance只存在一份
- 将所有业务打在一个bundle中
- 不同的业务加载不同的component
- 提前初始化所有业务成本较高

按需加载



将bundle拆分成base+index,启动只缓存一份JSCore并加载base加载业务的时候分别加载各自的业务代码

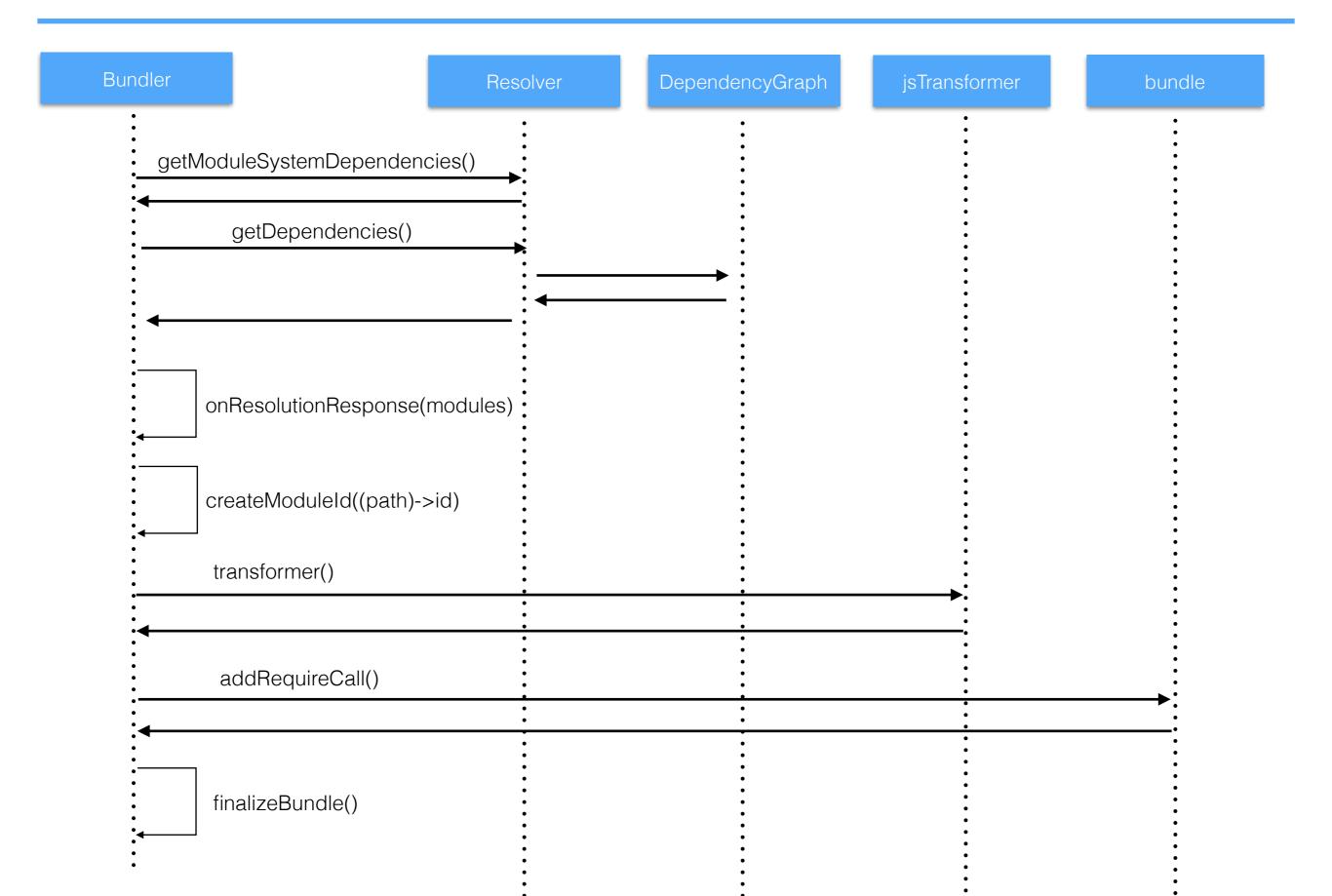
一个完整的bundle.js

```
/*系统模块,全局定义, polyfill,babel*/
/*prelude.js*/!function(_){_.__DEV__=!1,_._BUNDLE_START_TIME__=Date.now()}("undefined"!=typeof global?global:"undefined"!=typeof self?se
/*require.js*/!function(r){"use strict";function t(r,t){r in u||(u[r]={factory:t,hasError:!1,isInitialized:!1,exports:void 0})}function i
/*polyfills.js*/!function(n){Object.assign=function(n,e){for(var f=1;f<arguments.length;f++){var l=arguments[f];if(null!=l)for(var i in l
/*error-guard.js*/!function(r){function n(){var n=function(r){throw r}; r.ErrorUtils.setGlobalHandler(n)}var l={_inGuard:0,_globalHandler:
/*Number.es6.js*/!function(e){void 0===Number.EPSILON&&Object.defineProperty(Number, "EPSILON", {value: Math.pow(2,-52)}), void 0===Number.MA
/*String.prototype.es6.js*/!function(t){String.prototype.startsWith||(String.prototype.startsWith=function(t){"use strict";if(null==this)
/*Array.prototype.es6.js*/!function(e){function r(e,r){if(null==this)throw new TypeError("Array.prototype.findIndex called on null or und
/*Array.es6.js*/!function(n){Array.from||(Array.from=function(n){if(null==n)throw new TypeError("Object is null or undefined"); var e,o,t=
/*Object.es7.js*/!function(e){!function(){var e=Object.prototype.hasOwnProperty;"function"!=typeof Object.entries&&(Object.entries=functi
/*babelHelpers.js*/!function(e){var r=e.babelHelpers={};r.createRawReactElement=function(){var e="function"==typeof Symbol&&("function"==
/*入口模块*/
d(0/*index.is*/,function(e,t,r,n){var i=t(12),u=(babelHelpers.interopRequireDefault(i),t(41)),l=t(377),o=babelHelpers.interopRequireDefault(i),t(41)),l=t(377),o=babelHelpers.interopRequireDefault(i),t(41)),l=t(377),o=babelHelpers.interopRequireDefault(i),t(41)),l=t(377),o=babelHelpers.interopRequireDefault(i),t(41)),l=t(377),o=babelHelpers.interopRequireDefault(i),t(41)),l=t(377),o=babelHelpers.interopRequireDefault(i),t(41)),l=t(377),o=babelHelpers.interopRequireDefault(i),t(41)),l=t(377),o=babelHelpers.interopRequireDefault(i),t(41)),l=t(377),o=babelHelpers.interopRequireDefault(i),t(41)),l=t(377),o=babelHelpers.interopRequireDefault(i),t(41)),l=t(377),o=babelHelpers.interopRequireDefault(i),t(41)),l=t(377),o=babelHelpers.interopRequireDefault(i),t(41)),l=t(377),o=babelHelpers.interopRequireDefault(i),t(41)),l=t(377),o=babelHelpers.interopRequireDefault(i),t(41)),l=t(377),o=babelHelpers.interopRequireDefault(i),t(41)),l=t(377),o=babelHelpers.interopRequireDefault(i),t(41)),l=t(377),o=babelHelpers.interopRequireDefault(i),t(41)),l=t(377),o=babelHelpers.interopRequireDefault(i),t(41)),l=t(377),o=babelHelpers.interopRequireDefault(i),t(41)),l=t(377),o=babelHelpers.interopRequireDefault(i),t(41)),l=t(377),o=babelHelpers.interopRequireDefault(i),t(41)),l=t(377),o=babelHelpers.interopRequireDefault(i),t(41)),l=t(41),t(41),t(41)),l=t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41),t(41)
/*react-native基础模块*/
__d(12 /*./node_modules/react/react.js*/, function(t,s,c,e){"use strict";c.exports=s(13)});
__d(13 /*./node_modules/react/lib/React.js*/,function(e,t,r,n){"use strict";var a=t(14),o=t(15),c=t(27),l=t(30),s=t(31),i=t(36),m=t(19),p
__d(14 /*./node_modules/object-assign/index.js*/,function(r,e,t,n){"use strict";function o(r){if(null===r||void 0===r)throw new TypeError
__d(15 /*./node_modules/react/lib/ReactChildren.js*/,function(t,n,u,e){"use strict";function r(t){return(""+t).replace(k,"$&/")}function
__d(16 /*./node_modules/react/lib/PooledClass.js*/,function(n,o,e,t){"use strict";var r=o(17),i=(o(18),function(n){var o=this;if(o.instan
__d(177 /*./node_modules/react-native/Libraries/JavaScriptAppEngine/Initialization/InitializeJavaScriptAppEngine.js*/,function(e,r,n,t){f
__d(375, function(r,t,e,n){"use strict"; var i=t(17),a=t(15),o=t(19),u=t(22),f=(t(18),t(21),{create:function(r){if("object"!=typeof r||!r||
d(376, function(r,o,n,i){"use strict"; function t(r){return Array.isArray(r)?r.concat():r&&"object"==typeof r?e(new r.constructor,r):r}fu
/*业务模块*/
__d(377, function(e,t,r,l){Object.defineProperty(l,"__esModule",{value:!0}); var a=t(12), n=babelHelpers.interopRequireDefault(a), u=(t(41), t
__d(378, function(e,t,d,n){"use strict"; function o(e){return e&&e.__esModule?e:{default:e}}n.__esModule=!0,n.connect=n.Provider=void 0; var
__d(379, function(e,t,r,o){"use strict"; function n(e){return e&&e.__esModule?e:{default:e}} function i(e,t){if(!(e instanceof t))throw new
__d(380, function(e,s,u,i){"use strict";i.__esModule=!0; var p=s(12);i.default=p.PropTypes.shape({subscribe:p.PropTypes.func.isRequired,dis
__d(381, function(o,e,n,r){"use strict"; function t(o){"undefined"!=typeof console&"function"==typeof console.error&&console.error(o); try{
__d(382, function(t,e,r,o){"use strict"; function s(t){return t&&t.__esModule?t:{default:t}} function n(t,e){if(!(t instanceof e))throw new
d(383, function(e,t,r,n){"use strict"; function u(e,t){if(e===t)return!0; var r=0bject.keys(e),n=0bject.keys(t); if(r.length!==n.length)ret
__d(384, function(n,t,r,u){"use strict"; function e(n){return function(t){return(0,i.bindActionCreators)(n,t)}}u.__esModule=!0,u.default=e;
__d(385, function(e,t,d,o){"use strict"; function r(e){return e&&e.__esModule?e:{default:e}}o.__esModule=!0,o.compose=o.applyMiddleware=o.b
__d(386, function(e,t,n,r){"use strict"; function o(e){return e&&e.__esModule?e:{default:e}} function i(e,t,n){function r(){b===w&&(b=w.slic
\underline{d(387, function(t, r, n, o)\{function\ c(t)\{if(!a(t)||e(t)!=i)return!1; var\ r=u(t); if(null===r)return!0; var\ n=s.call(r, "constructor")&r.const
_{d(388, function(n,t,o,i)\{function\ e(n)\{return\ null==n?void\ 0===n?f:d:(n=0bject(n),g\&g\ in\ n?r(n):u(n))\}var\ c=t(389),r=t(392),u=t(393),d=var(n),g\&g\ in\ n?r(n):u(n))\}var\ c=t(389),r=t(392),u=t(393),d=var(n),g\&g\ in\ n?r(n):u(n))\}var\ c=t(389),r=t(392),u=t(393),d=var(n),g\&g\ in\ n?r(n):u(n))\}var\ c=t(389),r=t(392),u=t(393),d=var(n),g\&g\ in\ n?r(n):u(n))
/*执行系统模块和运行系统模块*/
;require(177);/*InitializeJavaScriptAppEngine*/
;require(0);/*入口模块*/
```

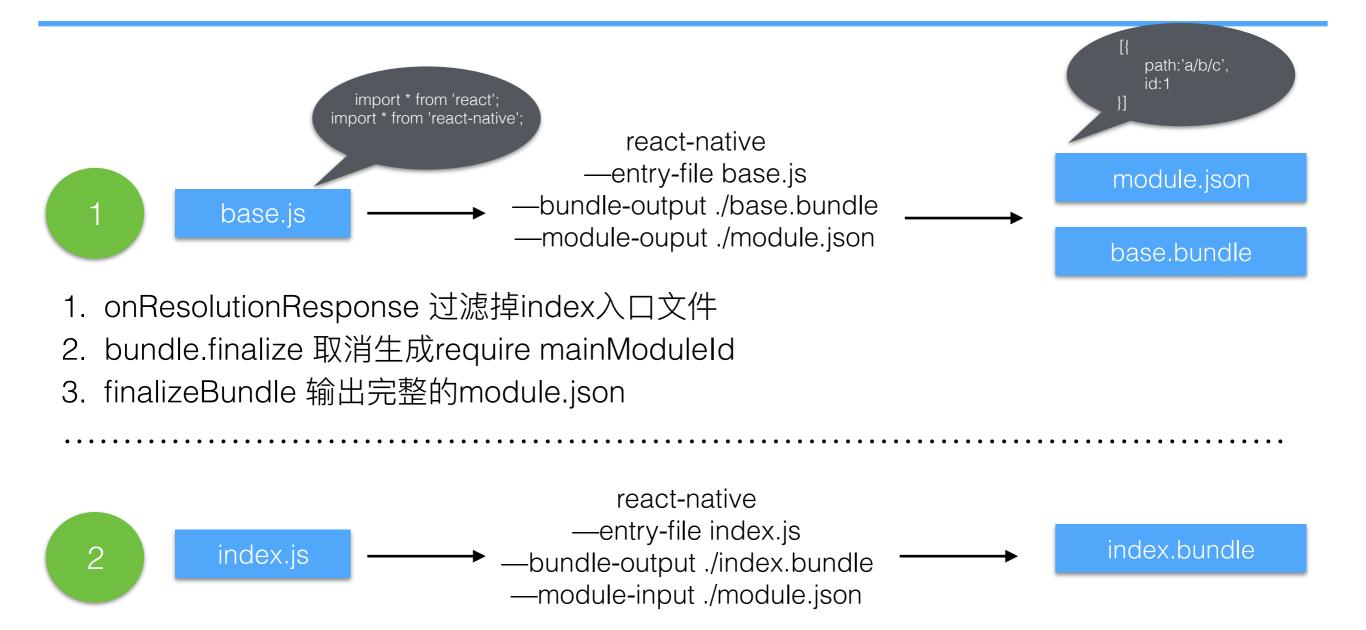
一个完整的bundle.js

- 每个文件是一个独立的module
- module加载遵循commonjs规范
- Define的标识符采用数字自增
- 每一行代表一个module文件

packager工作流程



拆包实现



- 1. onResolutionResponse 过滤掉base module 和 system module
- 2. createModuleIdFactory 将module path返回id,业务path返回md5(path)

拆包结果

```
!function(){ . DEV = !1. . BUNDLE START TIME =Date.now()}("undefined"!=typeof global?global:"undefined"!=typeof self?self:tl
  !function(r){"use strict"; function t(r,t){r in u||(u[r]={factory:t,hasError:!1,isInitialized:!1,exports:void 0})}function i(r){i
  !function(n){0bject.assign=function(n,e){for(var f=1;f<arguments.length;f++){var l=arguments[f];if(null!=l)for(var i in l)n[i]=i}}
  !function(n) \{ function \ e(n) \{ function \ e(e) \{ return \ function() \} \} \} = = arguments. \ length \& "string" == type of arguments [0]? arguments | (0) \} \} = type of arguments | (0) \} = type of 
  !function(r){function n(){var n=function(r){throw r}; r.ErrorUtils.setGlobalHandler(n)}var l={_inGuard:0,_globalHandler:null,setGlobalHandler(n)}
  !function(e){void 0===Number.EPSILON&&Object.defineProperty(Number, "EPSILON", {value:Math.pow(2,-52)}), void 0===Number.MAX_SAFE_i
  !function(t){String.prototype.startsWith||(String.prototype.startsWith=function(t){"use strict";if(null==this)throw TypeError()
  !function(e){function r(e,r){if(null==this)throw new TypeError("Array.prototype.findIndex called on null or undefined");if("function(e){function r(e,r){if(null==this)throw new TypeError("Array.prototype.findIndex called on null or undefined");if("function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){function(e){funct
  !function(n){Array.from||(Array.from=function(n){if(null==n)throw new TypeError("Object is null or undefined"); var e,o,t=arguments
 !function(e){!function(){var e=0bject.prototype.hasOwnProperty;"function"!=typeof Object.entries&&(Object.entries=function(n){i
  !function(e){var r=e.babelHelpers={};r.createRawReactElement=function(){var e="function"==typeof Symbol&&("function"==typeof Symbol&&("functio
__d(12, function(t,s,c,e){"use strict";c.exports=s(13)});
\underline{\underline{d(13, function(e, t, r, n){"use strict"; var a=t(14), o=t(15), c=t(27), l=t(30), s=t(31), i=t(36), m=t(19), p=t(37), E=t(39), u=t(40), v=(t(27), l=t(30), s=t(31), i=t(30), s=t(31), i=t(31), i=t(31)
__d(14, function(r,e,t,n){"use strict"; function o(r){if(null===r||void 0===r)throw new TypeError("Object.assign cannot be called
__d(15, function(t,n,u,e){"use strict"; function r(t){return(""+t).replace(k,"$&/")} function o(t,n){this.func=t,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=n,this.context=
__d(373, function(e, r, s, i) {"use strict"; function u(e, r) {this.value=e, this.requestChange=r} function n(e) {var r={value:void 0===e?}
d(374, function(t,e,r,n)) "use strict"; function a(t,e) {var r={}; return function(n){r[e]=n,t.setState(r)}} var c={createStateSette}
\underline{\underline{d(375, function(r,t,e,n))}}"use strict"; var i=t(17), a=t(15), o=t(19), u=t(22), f=(t(18),t(21), {create: function(r)}{if("object"!=typer)}
__d(376, function(r,o,n,i){"use strict"; function t(r){return Array.isArray(r)?r.concat():r&&"object"==typeof r?e(new r.construction)
 ;require(177);
//# sourceMappingURL=base.sourcemap.json
```

```
base.android.js
```

```
__d("78cd4f3625d26d20a5295707741c4ed4", function(e,t,r,n){var i=t(12),a=(babelHelpers.interopRequireDefault(i),t(41)),b=t("98b78b1d30c9fd11e494bc16802be9ca", function(e,t,r,l){0bject.defineProperty(l,"__esModule",{value:!0});var a=t(12),b=babelHeld("1ddda6b11e09d6159482e468df53aaea",function(d,e,c,a){"use strict";function t(d){return d&&d._esModule?d:{default:d}}a._esMd("9ccbf827b329350587fe67c8e6028d21",function(e,t,r,o){"use strict";function n(e){return e&&e._esModule?e:{default:e}}function(d, "da330e9ffcb767ce25d398ccab68f9cf",function(e,s,c,u){"use strict";u._esModule=!0;var i=s(12);u.default=i.PropTypes.shape({sd("2f18cfdf8054b076d46fb28160786da",function(d,f,a,e){var b=f("7948e156aa76dea9e854e16c7831674f"),c=b.Symbol;a.exports=c});d("7948e156aa76dea9e854e16c7831674f",function(e,t,c,f){var a=t("cc5b533a59521368a1845d924b276d61"),s="object"==typeof self&&sed("cc5b533a59521368a1845d924b276d61",function(c,t,b,e){var o="object"==typeof c&&c&&c.Object===Object&&c;b.exports=o});d("0dfecf61dcc82a5a8fd8524e91a0f9d6",function(e,a,f,c){function d(e){var a=[(0,r.applyMiddleware)(t.default)],f=r.compose.appld("97480f1dc1bc794c30a033f2068ccbe7",function(e,a,f,c){function n(e){var a=[(0,r.applyMiddleware)(t.default)],f=r.compose.appld("bbc49c5b3413283ce9856c8640052990",function(e,t,a,s){function n(){var e=arguments.length>0&&void 0!==arguments[0]?arguments[0]?arguments[0].f=cceb87a0113b57af3067e40cb648014",function(n,e,t,a){Object.defineProperty(a,"_esModule",{value:!0});var l=function n(e){ba;require("78cd4f3625d26d20a5295707741c4ed4");//# sourceMappingURL=myattention.sourcemap.json
```

总结

- RN解决了webapp体验不流畅的问题
- RN解决了Native跨平台和更新困难的问题
- RN通过jscore引擎连接js和native
- Listview没有复用,有性能问题,一些技巧能提升渲染性能
- 使用动画的时候开启useNativeDriver能提升动画性能
- 提前初始化instancemanager有助于减少白屏时间
- bundle拆分按需加载能减少不必要的内存浪费

THANKS

QA