



Человекоцентричность

в дизайне приватных NPM-пакетов



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Давайте знакомиться



Кирилл Доценко, ЛК по фронтенду

14 лет в разработке IT, почти 8 лет в Сбере

Практиковал микрофронтенды (еще до MF)

Люблю NPM, создал более 40 пакетов

Участвую в 15+ активных проектах Сбера



Человек

Комфорт

Удобство



Архитектура

«Так правильно»

«А в доке так...»



Начнём издалека

10 героев

11 приложений

Объем кодовой базы

3

приложения в канале СББОЛ

238 328 строк кода

7

приложений в канале middle-офис

97 411 строк кода

1

приложение в канале СБОЛ.ПРО

7 323 строк кода

343 062
строк кода

NPM-пакеты

npm common

npm business

npm styles

NPM-система

npm 0-documentations

npm 0-tools-eslint

npm 0-tools-stylelint

npm 0-tools-tsconfig

npm 0-tools-webpack

npm 1-design-styles

npm 1-toolkits-helpers

npm 1-toolkits-translations

npm 2-toolkits-dom

npm 2-toolkits-navigation

npm 2-toolkits-services

npm 3-toolkits-analytics

npm 3-toolkits-poller

npm 3-toolkits-redux

npm 4-design-components

npm 5-toolkits-details-form

npm 5-toolkits-interface-actions

npm 5-toolkits-signing

npm 5-toolkits-validation

npm 6-toolkits-date

npm 6-toolkits-files

npm 6-toolkits-number

npm 6-toolkits-text

npm 7-toolkits-account

npm 7-toolkits-amount

npm 8-toolkits-vat

npm 9-design-components

devops

Уровень NPM-пакета

2-utils-dom

4-design-components

5-toolkits-validation

Категория NPM-пакета

2-**utils**-dom

4-**design**-components

5-**toolkits**-validation

Имя NPM-пакета

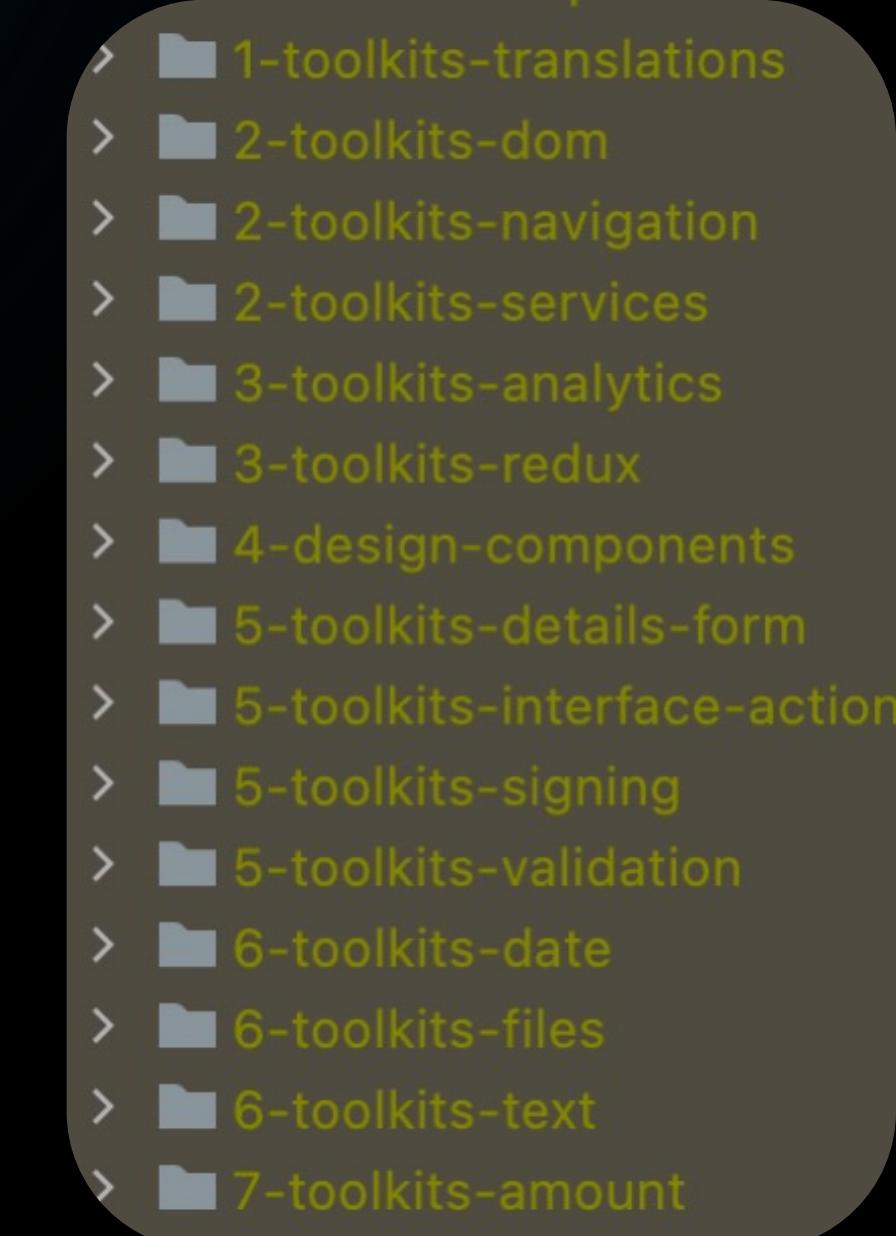
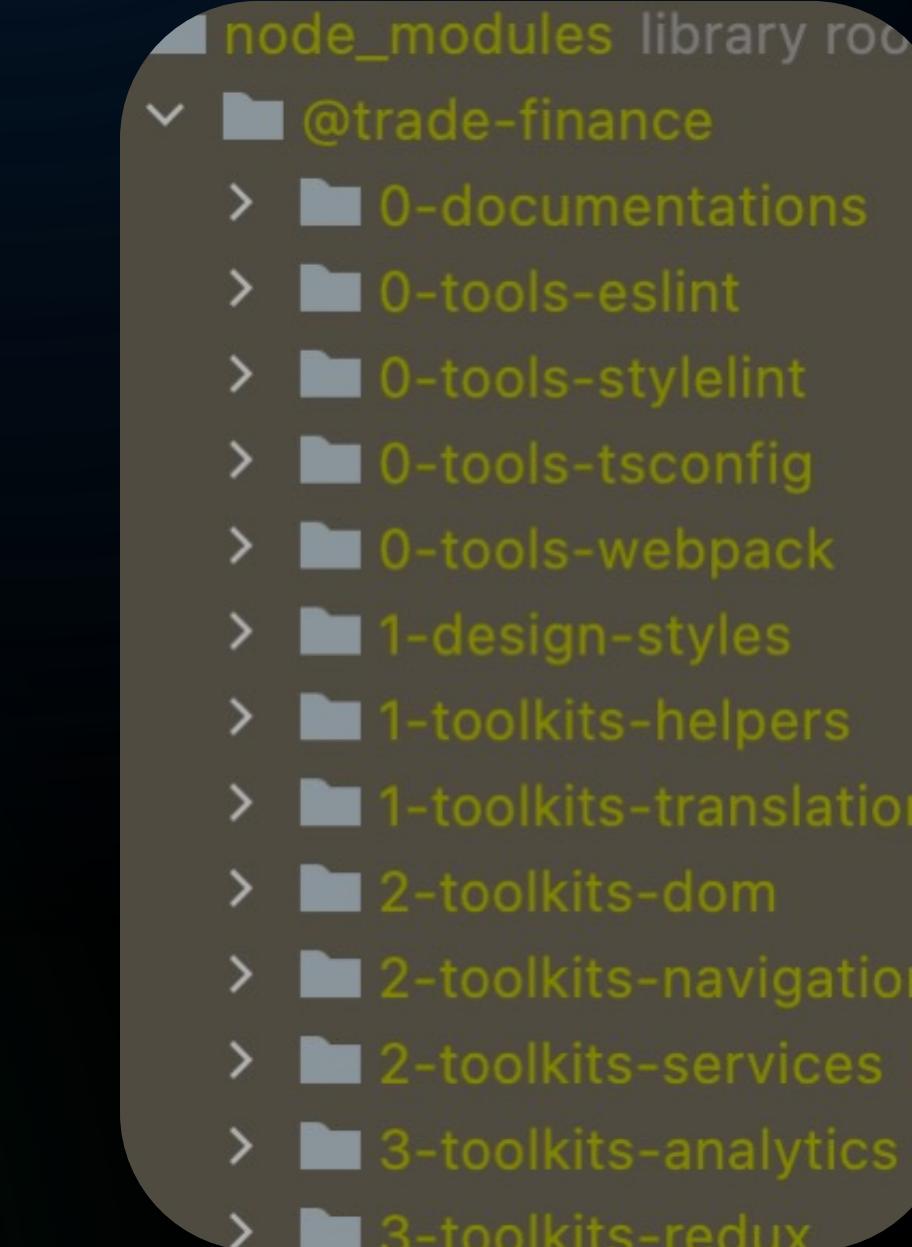
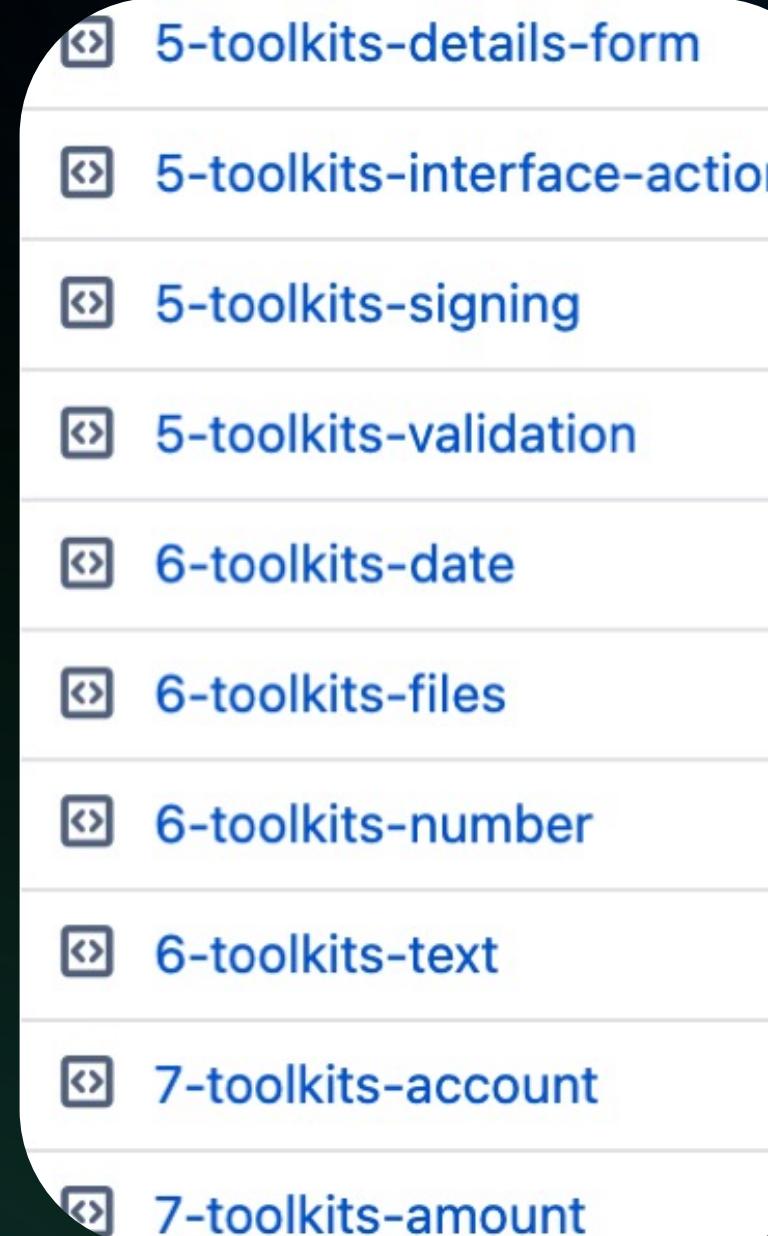
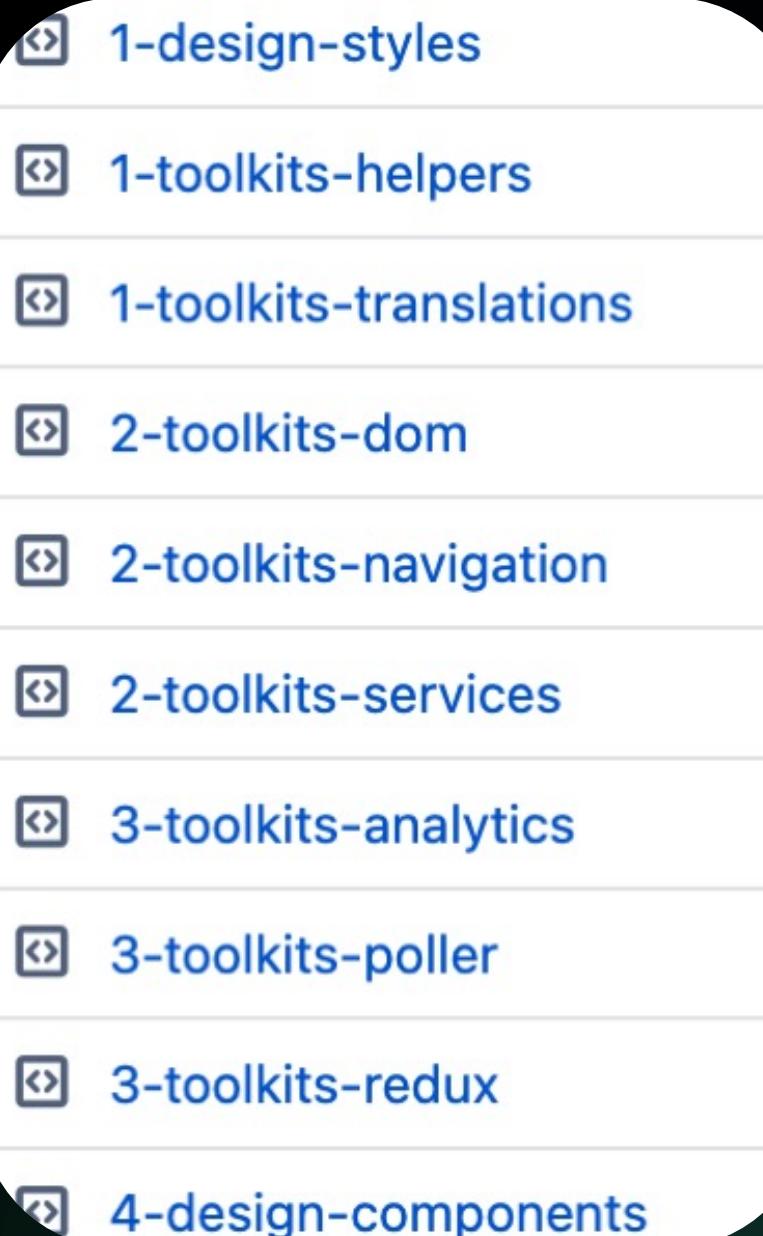
2-utils-dom

4-design-components

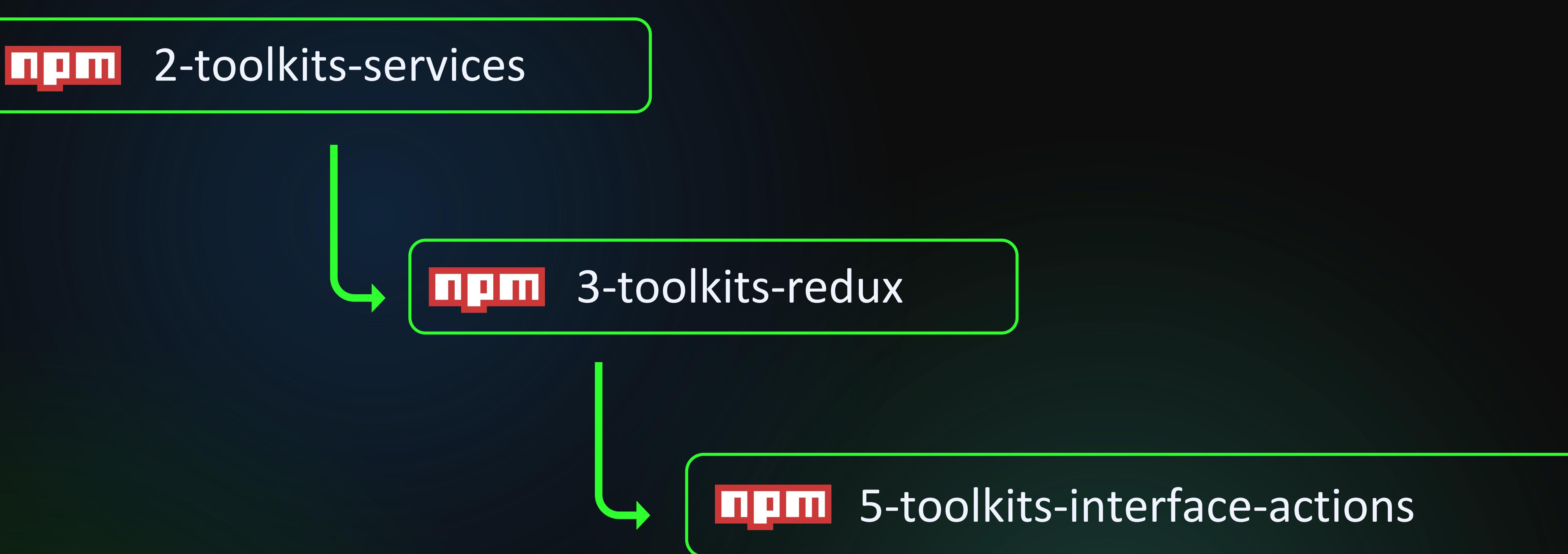
5-toolkits-validation

Структурность NPM-системы

```
1 import { ... } from '@sber-trade-finance/1-toolkits-translations';
2 import { ... } from '@sber-trade-finance/4-design-components/Enums';
3 import { ... } from '@sber-trade-finance/4-design-components/ErrorBoundary';
4 import { ... } from '@sber-trade-finance/4-design-components/Rows/RowWrap';
5 import { ... } from '@sber-trade-finance/4-design-components/Utils';
6 import { ... } from '@sber-trade-finance/5-toolkits-validation/Models';
7 import { ... } from '@sber-trade-finance/5-toolkits-validation/Utils';
8 import { ... } from '@sber-trade-finance/6-toolkits-date/Components/DatePicker/DatePickerWrapper';
```



Связанность NPM-пакетов



Мажорные обновления

NPM-пакеты (без уровней)

npm design-components

npm design-components

npm design-styles

devops

npm documentations

npm toolkits-account

npm toolkits-amount

npm toolkits-analytics

npm toolkits-date

npm toolkits-details-form

npm toolkits-dom

npm toolkits-files

npm toolkits-helpers

npm toolkits-interface-actions

npm toolkits-navigation

npm toolkits-number

npm toolkits-poller

npm toolkits-redux

npm toolkits-services

npm toolkits-signing

npm toolkits-text

npm toolkits-translations

npm toolkits-validation

npm toolkits-vat

npm tools-eslint

npm tools-stylelint

npm tools-tsconfig

npm tools-webpack

NPM-система (с уровнями)

npm 0-documentations

npm 0-tools-eslint

npm 0-tools-stylelint

npm 0-tools-tsconfig

npm 0-tools-webpack

npm 1-design-styles

npm 1-toolkits-helpers

npm 1-toolkits-translations

npm 2-toolkits-dom

npm 2-toolkits-navigation

npm 2-toolkits-services

npm 3-toolkits-analytics

npm 3-toolkits-poller

npm 3-toolkits-redux

npm 4-design-components

npm 5-toolkits-details-form

npm 5-toolkits-interface-actions

npm 5-toolkits-signing

npm 5-toolkits-validation

npm 6-toolkits-date

npm 6-toolkits-files

npm 6-toolkits-number

npm 6-toolkits-text

npm 7-toolkits-account

npm 7-toolkits-amount

npm 8-toolkits-vat

npm 9-design-components

devops

devops

npm 0-documentations

npm 0-tools-eslint

npm 0-tools-stylelint

npm 0-tools-tsconfig

npm 0-tools-webpack

npm 1-design-styles

npm 1-toolkits-helpers

npm 1-toolkits-translations

npm 2-toolkits-dom

npm 2-toolkits-navigation

npm 2-toolkits-services

npm 3-toolkits-analytics

npm 3-toolkits-poller

npm 3-toolkits-redux

npm 4-design-components

npm 5-toolkits-details-form

npm 5-toolkits-interface-actions

npm 5-toolkits-signing

npm 5-toolkits-validation

npm 6-toolkits-date

npm 6-toolkits-files

npm 6-toolkits-number

npm 6-toolkits-text

npm 7-toolkits-account

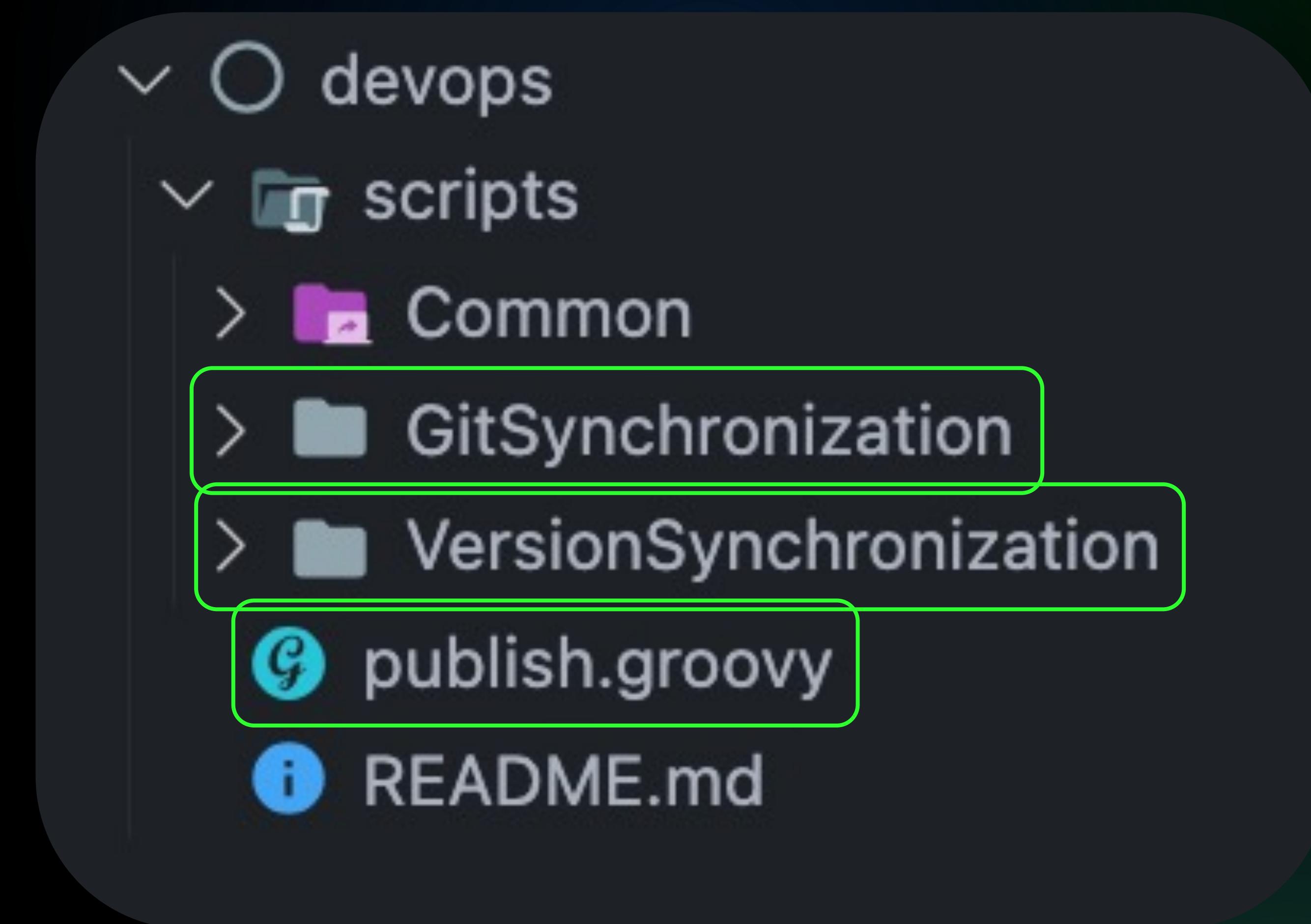
npm 7-toolkits-amount

npm 8-toolkits-vat

npm 9-design-components

devops

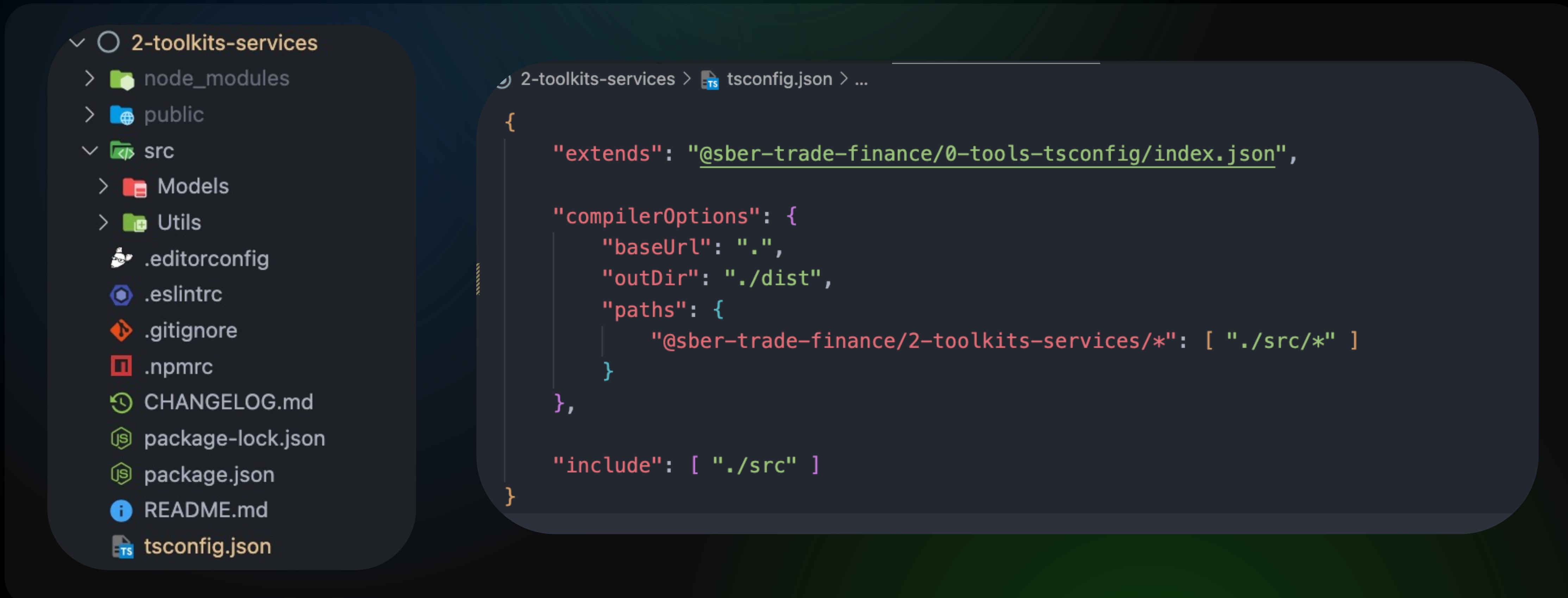
devops



Копнём глубже

Builder

TypeScript Compiler



The image shows a file explorer interface with two main sections. On the left, a tree view of a project structure:

- 2-toolkits-services
 - node_modules
 - public
 - src
 - Models
 - Utils
 - .editorconfig
 - .eslintrc
 - .gitignore
 - .npmrc
 - CHANGELOG.md
 - package-lock.json
 - package.json
 - README.md
 - tsconfig.json

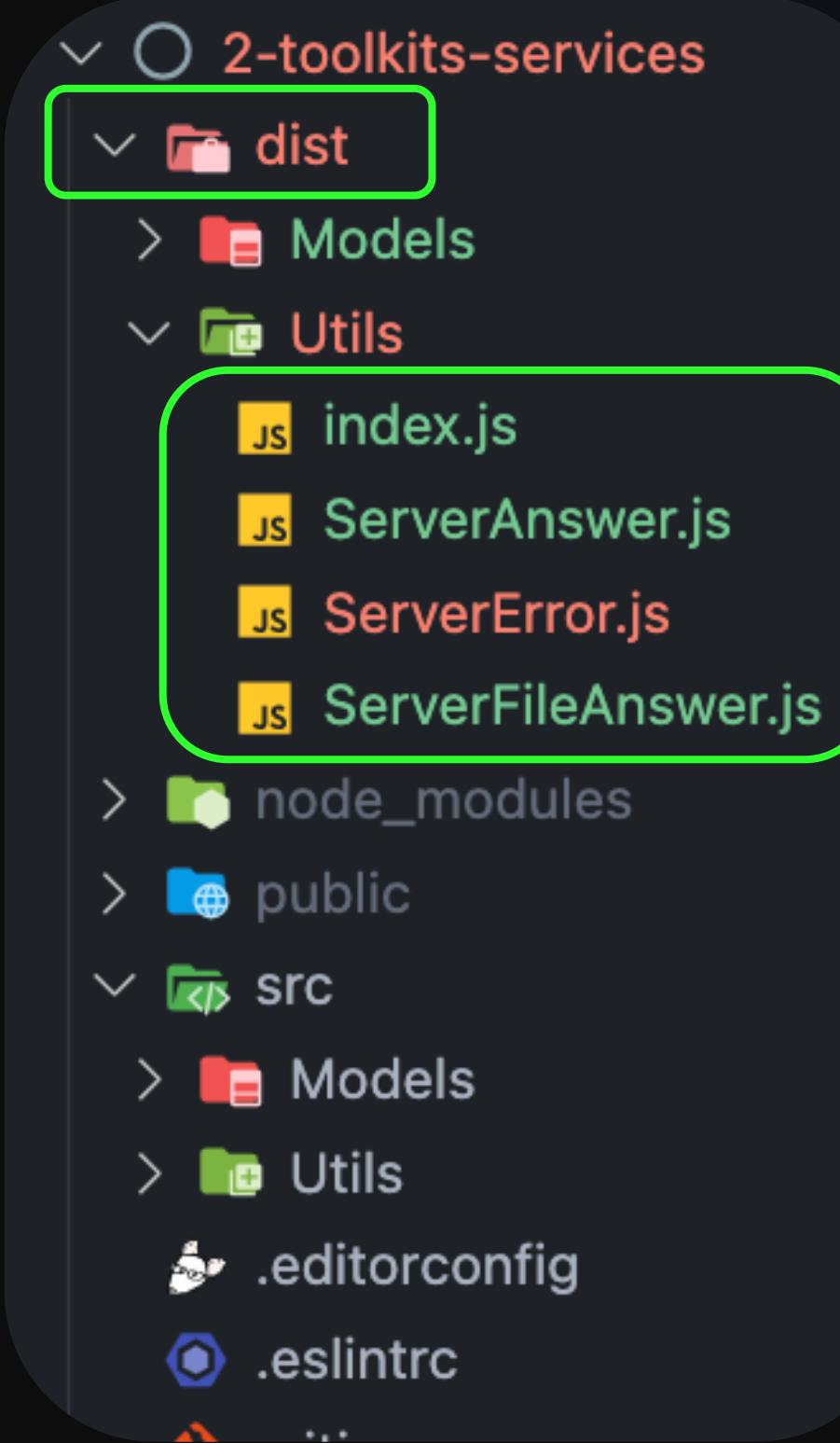
2-toolkits-services > tsconfig.json > ...

```
{
  "extends": "@sber-trade-finance/0-tools-tsconfig/index.json",

  "compilerOptions": {
    "baseUrl": ".",
    "outDir": "./dist",
    "paths": {
      "@sber-trade-finance/2-toolkits-services/*": [ "./src/*" ]
    }
  },
  "include": [ "./src" ]
}
```

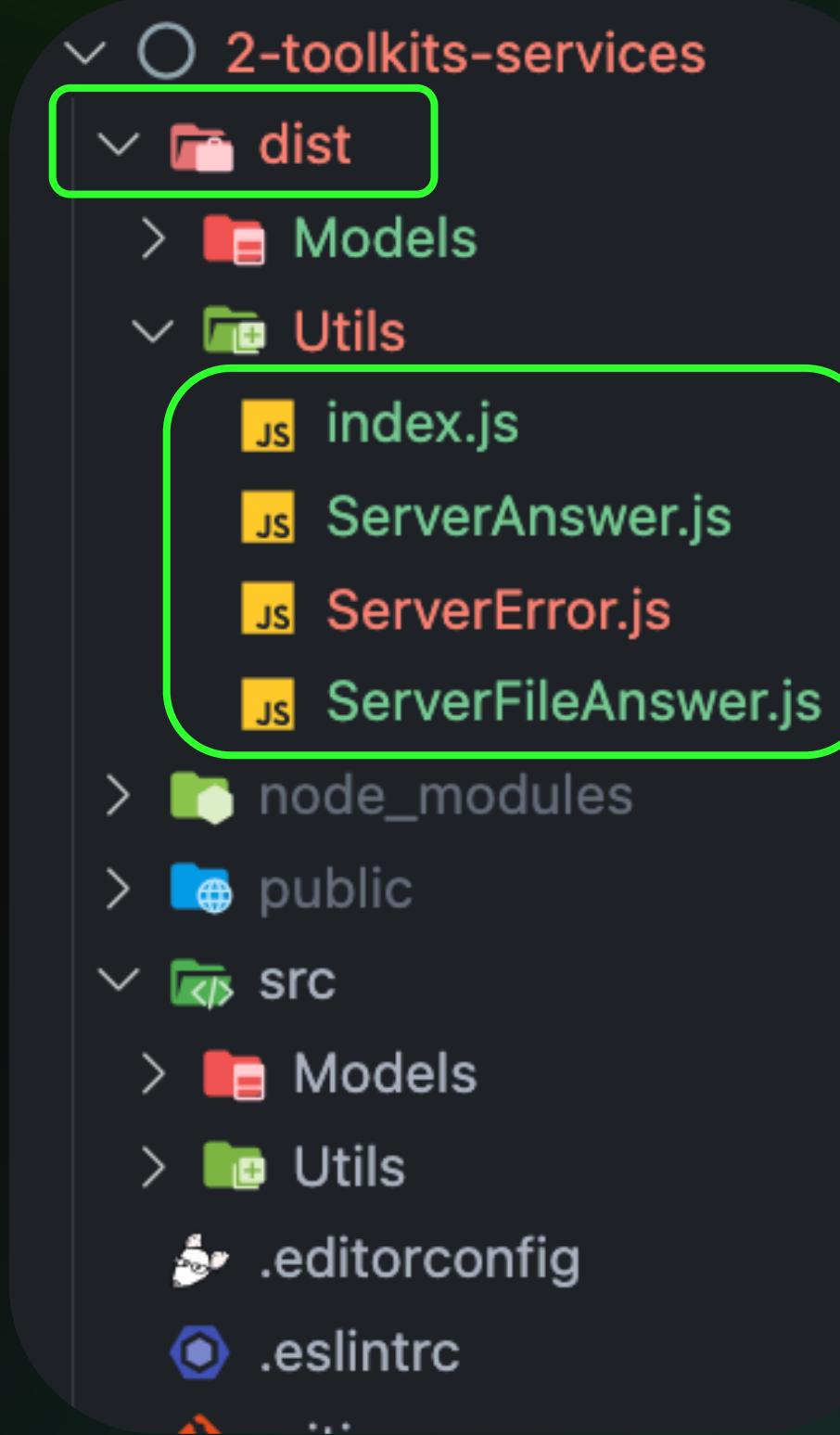
ESM / CJS

ESM формат



```
* Класс ошибки от сервера. */
var ServerError = /** @class */ (function (_super) {
    __extends(ServerError, _super);
    function ServerError(error) {
        var _this = _super.call(this, error.text) || this;
        Object.setPrototypeOf(_this, ServerError.prototype);
        _this.name = _this.constructor.name;
        _this.payload = error;
        return _this;
    }
    return ServerError;
})(Error);
export { ServerError };
```

CJS формат



```
Object.defineProperty(exports, "__esModule", { value: true });
exports.isServerError = exports.ServerError = void 0;
/* Класс ошибки от сервера. */
var ServerError = /** @class */ (function (_super) {
    __extends(ServerError, _super);
    function ServerError(error) {
        var _this = _super.call(this, error.text) || this;
        Object.setPrototypeOf(_this, ServerError.prototype);
        _this.name = _this.constructor.name;
        _this.payload = error;
        return _this;
    }
    return ServerError;
})(Error);
exports.ServerError = ServerError;
```

Hardcore формат

```
/* For license information please see index.js.LICENSE.txt */

function(e,t){if("object"==typeof exports&&"object"==typeof module)module.exports=t(require("react"),require("react-dom"),require("@sber-business/http-client"));else if(["react","react-dom","@sber-business/http-client"],t);else var n="object"==typeof exports?t(require("react"),require("react-dom"),require("@sber-business/http-client")):[],r;for(var r in n)(n[r]||Object.defineProperty(r,{enumerable:!0,value:n[r]}));for(var e in n)n[e]=e;var o=Object.create(null);o.exports=n;Object.defineProperty(o,"__esModule",{value:!0});o.default=o;n.o=o;Object.defineProperty(n,"__esModule",{value:!0});n.t=function(e){if(4&t&&obj_123.9kect"==typeof e&&e.__esModule)return e;var r=Object.create(null);Object.defineProperty(r,"default",{enumerable:!0,value:e}),2&t&&"string"!{return e[t].bind(null,o));return r},n.n=function(e){var t=e&&e.__esModule?function(){return e.default}:function(){return e};return n.d(t,"a",t),n.o=function(e,t){return call(e,t)},n.p="",n.n.s=112}([function(t,n){t.exports=e},function(e,t,n){var r=n(35);e.exports=function(e,t,n){return(t=r(t))in e?Object.defineProperty(e,t,{value:n,enumerable:!0}):e[t]=n,e},e.exports.__esModule=!0,e.exports.default=e.exports},function(e,t,n){(function(e){var r,o,i;function a(e){return(a="function"==typeof Symbol&&e.constructor==Symbol.prototype?"symbol":typeof e))(e)!function(s,l){"object"==a(t)&&"object"==a(l):(o=[n(0),n(24),n(7)],void 0==(i="function"==typeof r=l?r.apply(t,o):r)||(!e.exports=i))}(window,(function(e,t,n){return function(e){var t={};function n(r){if(t[r])r.l:!1,exports:{}};return e[t].call(o.exports,o,o.exports,n),o.l=!0,o.exports}return n.m=e,n.c=t,n.d=function(e,t,r){Object.defineProperty(e,t,{value:n.o(e,t)}),n.t=function(e){if(4&t&&"object"==a(e)&&e.__esModule)return e;var r=Object.create(null);Object.defineProperty(r,"default",{enumerable:!0,value:e}),2&t&&"string"!=typeof e?{return e[t].bind(null,o));return r},n.n=function(e){var t=e&&e.__esModule?function(){return e.default}:function(){return e};return n.d(t,"a",t),n.o=function(e,t){return call(e,t)},n.p="",n.n.s=94}([function(t,n){t.exports=e},function(e,t,n){"use strict";n.d(t,"a",function(){return i}),n.d(t,"l",function(){return a}),n.d(t,"g",function(){return l}),n.d(t,"k",function(){return c}),n.d(t,"b",function(){return u}),n.d(t,"h",function(){return d}),n.d(t,"e",function(){return p}),n.d(t,"i",function(){return h}),n.d(t,"m",function(){return v}),n.d(t,"f",function(){return r}),n.d(t,"d",function(){return o}),var r,o,i=_BEGIN,a=_SUCCESS,s=_FAILURE,l=_CLEAR,p=40,f=100,h=5,v=300;!function(e){e.IDLE=0}"IDLE",e.RUNNING=1]"RUNNING",e.SUCCESS=2]"SUCCESS",e.FAIL=3]"FAIL",e.CANCELED=4]"CANCELED"}(r||(r={})),function(PHONES="PHONES",e.EMAILS="EMAILS",e.ADDRESS="ADDRESS")({o:{},function(e,t,n){var r=n(32);e.exports=function(e,t,n){return(t=r(t))in e?Object.defineProperty(e,t,{value:n,enumerable:!0}):e[t]=n,e},e.exports.__esModule=!0,e.exports.default=e.exports},function(e,t,n){e.exports=function(e,t){if(void 0==e)throw new ReferenceError("this hasn't been called");return e},e.exports.__esModule=!0,e.exports.default=e.exports},function(e,n){e.exports=function(e){e.exports=function(e){if(!!(e instanceof t))throw new TypeError("Object is not a function")},e.exports.__esModule=!0,e.exports.default=e.exports},function(e,t,n){var r=n(32);function o(e,t){for(var n=0;n<t.length;n++)var o=t[n];o.enumerable=o.enumerable&&o.writable=!0,Object.defineProperty(e,r(o.key),o)}e.exports=function(e,t,n){return t&&o(e.prototype,t),n&&o(e,n),Object.defineProperty(e,"prototype",{writable:!1}),default=e.exports},function(e,t,n){var r=n(16),o=n(92);if("string"==typeof o)o.__esModule?o.default:o.default=o&&(o=[{e:i,o:""}]);var i=(r.e,i,o,{insert:"head",singleton:!1}),o.local(e,t){e.exports=n},function(n,e,t,r,o,i,a){try{var s=e[i](a),l=s.value}catch(e){return void n(e)}s.done?t(l):Promise.resolve(l).then(r,o)}e.exports=function(r){arguments;return new Promise((function(o,i){var a=e.apply(t,r);function s(e){n(a,o,i,s,l,"next",e)}function l(e){n(a,o,i,s,l,"throw",e)}s(void 0)}))},e.exports.__esModule=!0,e.exports.default=e.exports},function(e,t){return e.exports=n="function"==typeof Symbol&&"symbol"==a(Symbol.iterator)?function(e){return a(e)}:function(e){return e&"function"==typeof Symbol&&e.prototype?"symbol":a(e)},e.exports.__esModule=!0,e.exports.default=e.exports},function(e,t){e.exports=n=Object.setPrototypeOf?Object.getPrototypeOf.bind():function(e){return e.__proto__||Object.getPrototypeOf(e)},e.exports.__esModule=!0,e.exports.default=e.exports},function(e,t,n){var r=n(76);e.exports=function(e,t){if(null==e)return{};var n,o,i=r(e,t);if(Object.getOwnPropertySymbols){var a:(o=0;o<a.length;o++)n=a[o],t.indexOf(n)>=0||Object.prototype.propertyIsEnumerable.call(e,n)&&(i[n]=e[n])}return i},e.exports.__esModule=!0,e.exports.default=e.exports},function(e,t){if("function"!=typeof t&&null!=t)throw new TypeError("Super expression must either be null or a function");e.prototype=Object.create(t&&t.prototype.configurable:!0)},Object.defineProperty(e,"prototype",{writable:!1}),t&&r(e,t),e.exports.__esModule=!0,e.exports.default=e.exports},function(e,t,n){var r=n(10).default,("object"==r(t)||"function"==typeof t) return t;if(void 0==t)throw new TypeError("Derived constructors may only return object or undefined");return o(e),e.exports.__esModule=!0,e.exports.default=e.exports},function(e,t,n){e.exports=function(e){use strict";(function(e){n.d(t,"a",function(){return E}))};var r=n(10),o=n(9),i=n(9),s=n(28),l=(n(4),n(1)),c=n(48),u=n(49),d=n(50),p={v:function(){return e};var e={},t=Object.prototype,n=t.hasOwnProperty,r=Object.defineProperty,i="function"==typeof Symbol?Symbol:{},a=i.iterator,b=i.asyncIterator;l=i.toStringTag||"@asyncIterator";function c(e,t,n){return Object.defineProperty(e,t,{value:n,enumerable:!0,configurable:!0,writable:!0}),e,t,n){return e[t]=n}function u(e,t,n,o){var i=t&&t.prototype instanceof f?t:f,a=Object.create(i.prototype),s=new C(o||[]);return r(a,"_invoke",{value:x(e,n,s)}),a.functionType:"normal",arg:e.call(t,n)}catch(e){return{type:"throw",arg:e}}e.wrap=u;var p={};function f(){function h(){function g(){var y={};c(y,a,(function(){return this}))}var I=();b&&b==t&&n.call(b,a)&&(y=b);var _g=Object.create(f.prototype);function S(e){["next","throw","return"].forEach(function(t){c(e,t,(function(e){return new t((function(i,s){if(function(r,i,s,l){var c=d(e[i],e,a);if("throw"!=c.type){var u=c.arg,p=u.value;"_await"?t.resolve(p._await).then(function(e){r("next",e,s,l)),(function(e){r("throw",e,s,l))}):t.resolve(p).then(function(e){u.value=e,s(u)}),(function(e){return e})}return i?i.then(s,s):s()}function x(e,t,n){var r="suspendedStart";return function(o,i){if("executing"==r)throw new Error("Generator is already running");value:void 0,done:!0}for(n.method=o,n.arg=i,);var a=n.delegate;if(a){var s=0(a,n);if(s){if(s==p)continue;return s}if("next"==n.method)n.sent=n._sent=r"Start"==r)throw r="completed",n.arg;n.dispatchException(n.arg)}else"return"==n.method&&n.abrupt("return",n.arg);r="executing";var l=d(e,t,n);if("
```

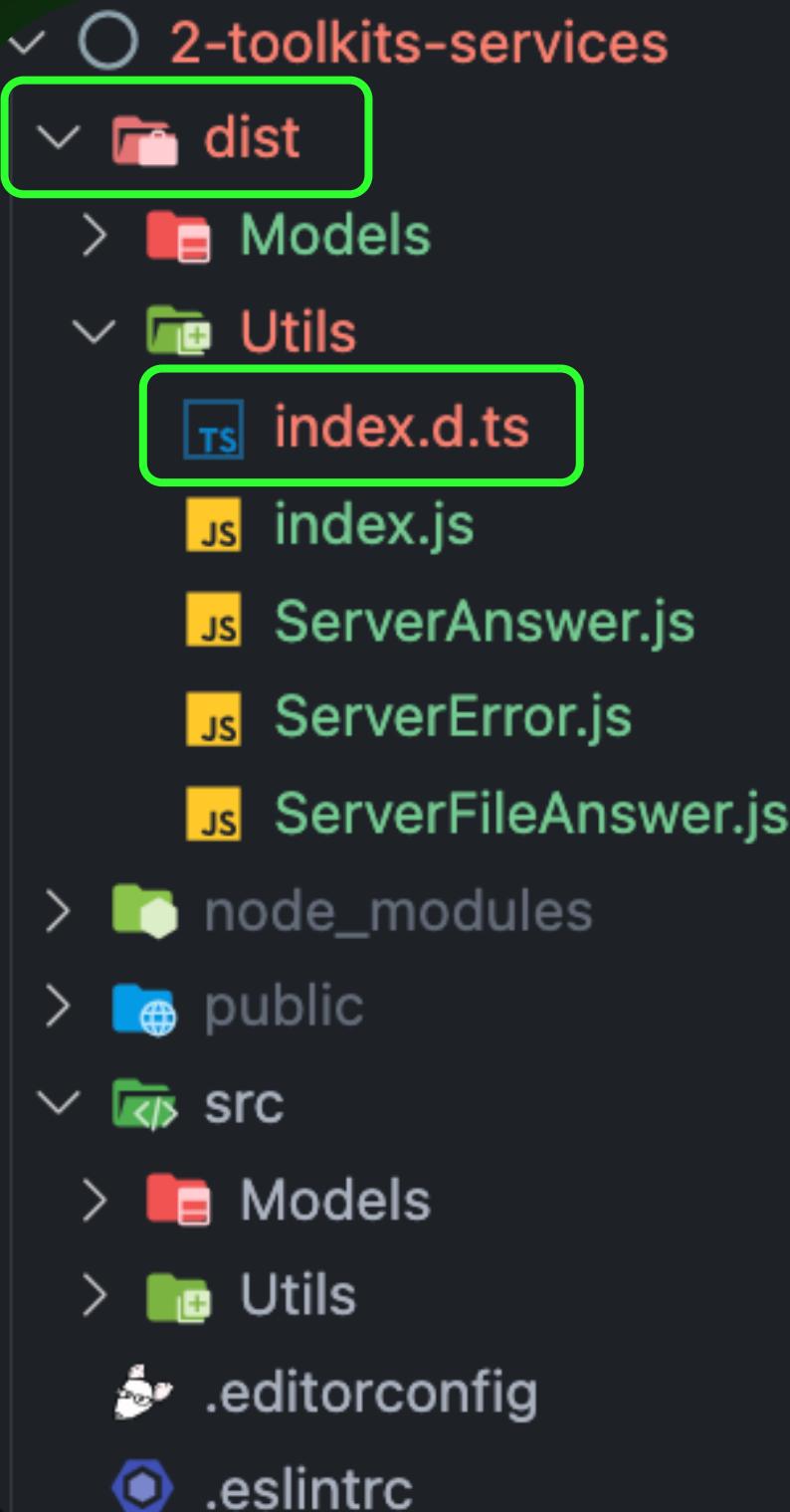
Typings

Формирование d.ts

```
import type { IServerError } from '../Models/ServerError';
export declare class ServerError extends Error {
    payload: IServerError;
    constructor(error: IServerError);
}

/**
 * Функция проверки, является ли ошибка серверной.
 *
 * @param {unknown} error Неизвестная ошибка.
 */
export declare function isServerError(error: unknown): error is ServerError;
```

dts-bundle



```
1  /** Сборка единого dts бандла. */
2  function buildDtsBundle () {
3      console.log('Start building typings...');
4
5      dts.bundle({
6          name: packageJson.name,
7          main: path.join(publicDir, '/index.d.ts'),
8          baseDir: publicDir,
9          out: path.join(publicDir, '/index.d.ts'),
10         removeSource: true
11     });
12
13     console.log('Building typings success');
14 }
15
16 /** Старт сборки единого dts бандла. */
17 buildDtsBundle();
```

Декларации типов

```
export declare class ServerError extends Error {  
    payload: IServerError;  
    constructor(error: IServerError);  
}
```

```
declare module "@sber-trade-finance/2-toolkits-services/Utils/ServerError" {  
    export class ServerError extends Error {  
        payload: IServerError;  
        constructor(error: IServerError);  
    }  
}
```

К чёму всё это?

Анализ компонента

src/.../Components>Select.tsx

```
import React from 'react';
2 import { NPMSelect } from '@private-scope/private-custom-select';
3 ...
4
5 export function HostSomethingSelect (props: IProps): JSX.Element {
6   ...
7
8   return (
9     <NPMSelect
10       additionalInfo={ [EAdditionalInfo.ACCOUNTS] }
11       data-test-id={ dataTestId }
12       onBlur={ handleBlur }
13       onInitSuccess={ handleInitSuccess }
14       onSelect={ handleSelect }
15       placeholder={ TRANSLATIONS.placeholder }
16       searchInStore={ false }
17       value={ value }
18       alwaysEnabled
19       saveFilterOnBlur
20     />
21   );
}
```



Анализ декларации

..../node_modules/@private-scope/.../Select.d.ts

```
declare module '@private-scope/private-custom-select' {
    import React from 'react';

    export interface IProps {
        ...
    }

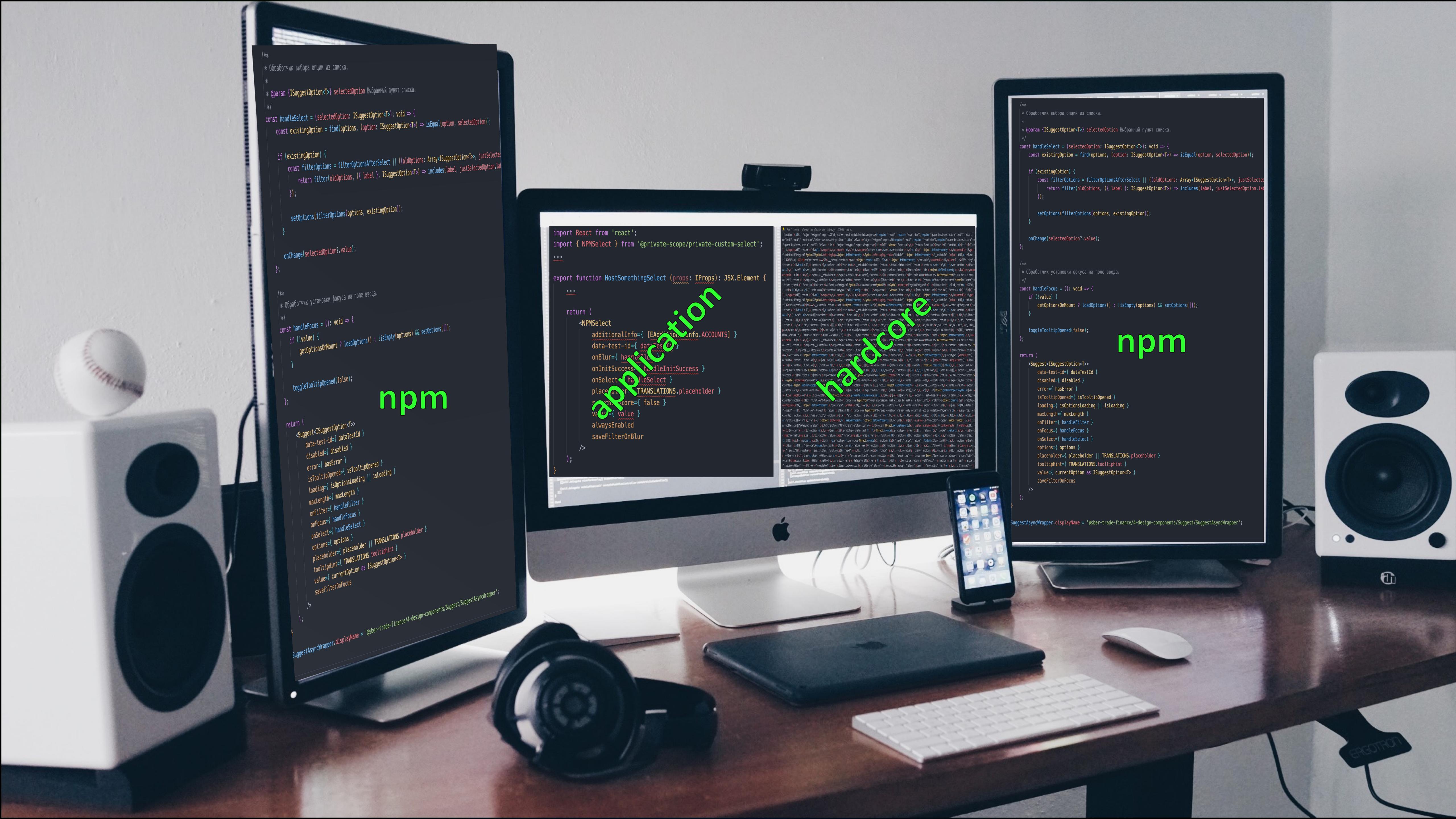
    /**
     * Компонент выбора чего-то сложного.
     */
    export class NPMSelect extends React.Component<IProps> {
        store: any;
        constructor(props: any);
        componentWillMount(): void;
        render(): JSX.Element;
    }
}

declare module '@private-scope/private-custom-select/Dropdown' {
    import React from 'react';
    import { OnScrollParams } from 'react-virtualized/dist/es/ScrollSync';
    ...
}
```

Reveal in Explorer View

Анализ исходного кода

/node_modules/@private-scope/.../Select.js



А можно удобнее?

Да!

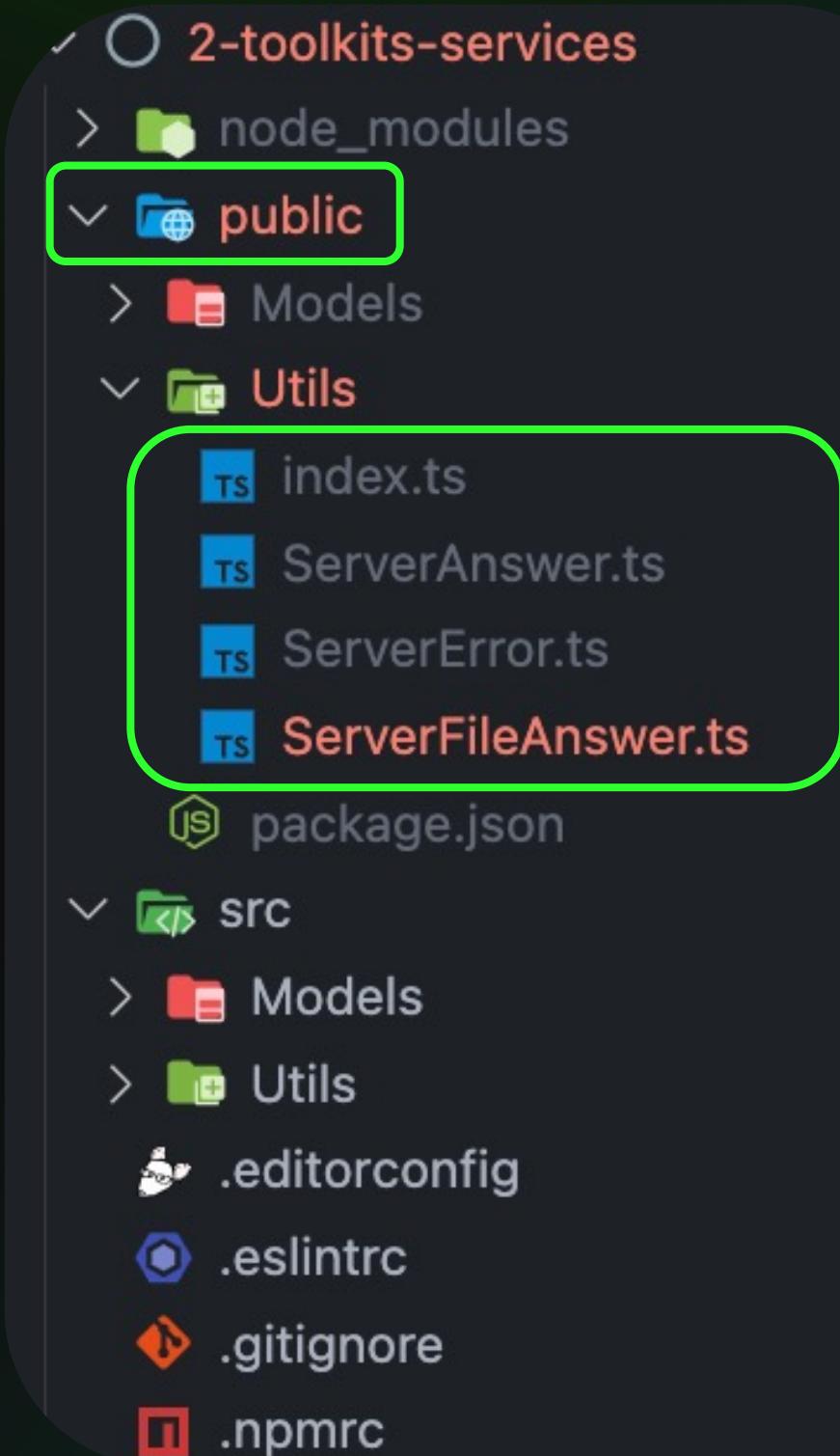
TS-modules

TS-Modules

```
scripts": {  
  "clear:public": "rimraf public",  
  "copy:assets": "copy-cli package.json public",  
  "copy:src": "copy-cli \"src/**/*\" public",  
  "copy:all": "npm run copy:assets && npm run copy:src",  
  "lint": "eslint --ext=ts,tsx ./src --quiet",  
  "lint:fix": "npm run lint -- --fix",  
  "prebuild": "npm ci && npm dedupe && npm run clear:pub  
  "build": "tsc",  
  "postbuild": "npm run copy:all",  
  "build:publish": "npm run build && npm publish ./publis  
  "start": "tsc-watch --onSuccess \"npm run copy:src\""
```

```
2-toolkits-services > tsconfig.json > ...  
{  
  "extends": "@sber-trade-finance/0-tools-tsconfig/index",  
  "compilerOptions": {  
    "baseUrl": ".",  
    "noEmit": true,  
    "paths": {  
      "@sber-trade-finance/2-toolkits-services/*": [  
        "."]  
    },  
    "include": [ "./src" ]  
  }  
}
```

TSM формат



```
2-toolkits-services > public > Utils > ServerError.ts > ServerError
import type { IServerError } from '../Models/ServerError';

/* Класс ошибки от сервера. */
export class ServerError extends Error {
    payload: IServerError;

    constructor (error: IServerError) {
        super(error.text);
        Object.setPrototypeOf(this, ServerError.prototype);

        this.name = this.constructor.name;
        this.payload = error;
    }
}
```

Анализ компонента

src/.../Components>Select.tsx

```
import React from 'react';
2 import { NPMSelect } from '@private-scope/private-custom-select';
3 ...
4
5 export function HostSomethingSelect (props: IProps): JSX.Element {
6   ...
7
8   return (
9     <NPMSelect
10       additionalInfo={ [EAdditionalInfo.ACCOUNTS] }
11       data-test-id={ dataTestId }
12       onBlur={ handleBlur }
13       onInitSuccess={ handleInitSuccess }
14       onSelect={ handleSelect }
15       placeholder={ TRANSLATIONS.placeholder }
16       searchInStore={ false }
17       value={ value }
18       alwaysEnabled
19       saveFilterOnBlur
20     />
21   );
}
```



Анализ декларации

./node_modules/@private-scope/.../Select.tsx

```
/**  
 * Обработчик выбора опции из списка.  
 *  
 * @param {ISuggestOption<T>} selectedOption Выбранный пункт списка.  
 */  
const handleSelect = (selectedOption: ISuggestOption<T>): void => {  
    const existingOption = find(options, (option: ISuggestOption<T>) => isEqual(option, selectedOption))  
  
    if (existingOption) {  
        const filterOptions = filterOptionsAfterSelect || (oldOptions: Array<ISuggestOption<T>>, justSelectedOption: ISuggestOption<T>) =>  
            return filter(oldOptions, ({ label }: ISuggestOption<T>) => includes(label, justSelectedOption));  
    }  
  
    setOptions(filterOptions(options, existingOption));  
}  
  
onChange(selectedOption?.value);  
};  
  
/**  
 * Обработчик установки фокуса на поле ввода.  
 */  
const handleFocus = (): void => {  
    if (!value) {  
        getOptionsOnMount ? loadOptions() : !isEmpty(options) && setOptions([]);  
    }  
}
```

NPM-link

npm

application

```
import React from 'react';
import { NPMSelect } from '@private-scope/private-custom-select';

export function HostSomethingSelect (props: IProps): JSX.Element {
  return (
    <NPMSe
      add
      data-test-id={ dataTestId }
      onBlur={ handleBlur }
      onInitSuccess={ handleInitSuccess }
      onSelect={ handleSelect }
      placeholder={ TRANSLATIONS.placeholder }
      searchInStore={ false }
      value={ value }
      alwaysEnabled
      saveFilterOnBlur
    >
  );
}

return (
  <suggest<ISuggestOption<T>>
    data-test-id={ dataTestId }
    disabled={ disabled }
    error={ hasError }
    isTooltipOpened={ isTooltipOpened }
    loading={ isOptionsLoading || isLoading }
    maxLength={ maxLength }
    onFilter={ handleFilter }
    onFocus={ handleFocus }
    onSelect={ handleSelect }
    options={ options }
    placeholder={ placeholder || TRANSLATIONS.placeholder }
    tooltipHint={ TRANSLATIONS.tooltipHint }
    value={ value }
  >
);
}

suggestAsyncWrapper.displayName = 'gsber-trade-fin-design-components';


```

npm link

npm build

npm install

npm link

```
/*
 * Обработчик выбора опции из списка.
 *
 * @param {ISuggestOption<T>} selectedOption Выбранный пункт списка.
 */
const handleSelect = (selectedOption: ISuggestOption<T>): void => {
  const existingOption = find(options, (option: ISuggestOption<T>) => isEqual(option, selectedOption));
  if (existingOption) {
    const filterOptions = filterOptionsAfterSelect || ((oldOptions: Array<ISuggestOption<T>>, justSelected: boolean) => {
      return filter(oldOptions, ({ label }: ISuggestOption<T>) => includes(label, justSelectedOption.label));
    });
    setOptions(filterOptions(options, existingOption));
  }
  onChange(selectedOption.value);
};

/**
 * Обработчик установки фокуса на поле ввода.
 */
const handleFocus = (): void => {
  if (value) {
    getOptionsOnMount ? loadOptions() : isEmpty(options) && setOptions([]);
  }
  toggleTooltipOpened(false);
};

return (
  <Suggest<ISuggestOption<T>>
    data-test-id={ dataTestId }
    disabled={ disabled }
    error={ hasError }
    isTooltipOpened={ isTooltipOpened }
    loading={ isOptionsLoading || isLoading }
    maxLength={ maxLength }
    onFilter={ handleFilter }
    onFocus={ handleFocus }
    onSelect={ handleSelect }
    options={ options }
    placeholder={ placeholder || TRANSLATIONS.placeholder }
    tooltipHint={ TRANSLATIONS.tooltipHint }
    value={ value }
  >
);
}

suggestAsyncWrapper.displayName = 'gsber-trade-fin-design-components';


```

```
/*
 * Обработчик выбора опции из списка.
 *
 * @param {ISuggestOption<T>} selectedOption Выбранный пункт списка.
 */
const handleSelect = (selectedOption: ISuggestOption<T>): void => {
  const existingOption = find(options, (option: ISuggestOption<T>) => isEqual(option, selectedOption));
  if (existingOption) {
    const filterOptions = filterOptionsAfterSelect || ((oldOptions: Array<ISuggestOption<T>>, justSelected: boolean) => {
      return filter(oldOptions, ({ label }: ISuggestOption<T>) => includes(label, justSelectedOption.label));
    });
    setOptions(filterOptions(options, existingOption));
  }
  onChange(selectedOption.value);
};

/**
 * Обработчик установки фокуса на поле ввода.
 */
const handleFocus = (): void => {
  if (value) {
    getOptionsOnMount ? loadOptions() : isEmpty(options) && setOptions([]);
  }
  toggleTooltipOpened(false);
};

return (
  <Suggest<ISuggestOption<T>>
    data-test-id={ dataTestId }
    disabled={ disabled }
    error={ hasError }
    isTooltipOpened={ isTooltipOpened }
    loading={ isOptionsLoading || isLoading }
    maxLength={ maxLength }
    onFilter={ handleFilter }
    onFocus={ handleFocus }
    onSelect={ handleSelect }
    options={ options }
    placeholder={ placeholder || TRANSLATIONS.placeholder }
    tooltipHint={ TRANSLATIONS.tooltipHint }
    value={ currentOption as ISuggestOption<T> }
    saveFilterOnFocus
  >
);
}

suggestAsyncWrapper.displayName = 'gsber-trade-fin-design-components';


```

ERGOTRON

TS-modules

src/.../Components>Select.tsx

```
export function HostSomethingSelect (props: IProps): JSX.Element {
  ...
  return (
    <NPMSelect
      additionalInfo={ [EAdditionalInfo.ACCOUNTS] }
      data-test-id={ dataTestId }
      onBlur={ handleBlur }
      onInitSuccess={ handleInitSuccess }
      onSelect={ handleSelect }
      placeholder={ TRANSLATIONS.placeholder } ...
```



..../node_modules/@private-scope/.../Select.tsx

```
/* @param {ISuggestOption<T>} selectedOption Выбранный пункт списка. */
*/
const handleSelect = (selectedOption: ISuggestOption<T>): void => {
  const existingOption = find(options, (option: ISuggestOption<T>) => isEqual(option, selectedOption));
  debugger;
  if (existingOption) {
    const filterOptions = filterOptionsAfterSelect || ((oldOptions: Array<ISuggestOption<T>>) => {
      return filter(oldOptions, ({ label }: ISuggestOption<T>) => includes(label, justSelectedLabel));
    });
    setOptions(filterOptions(options, existingOption));
  }
}
```

Скорость сборки

32 секунды

VS

39 секунд

NPM – облачное хранилище

npm 0-documentations

npm 0-tools-eslint

npm 0-tools-stylelint

npm 0-tools-tsconfig

npm 0-tools-webpack

npm 1-design-styles

npm 1-toolkits-helpers

npm 1-toolkits-translations

npm 2-toolkits-dom

npm 2-toolkits-navigation

npm 2-toolkits-services

npm 3-toolkits-analytics

npm 3-toolkits-poller

npm 3-toolkits-redux

npm 4-design-components

npm 5-toolkits-details-form

npm 5-toolkits-interface-actions

npm 5-toolkits-signing

npm 5-toolkits-validation

npm 6-toolkits-date

npm 6-toolkits-files

npm 6-toolkits-number

npm 6-toolkits-text

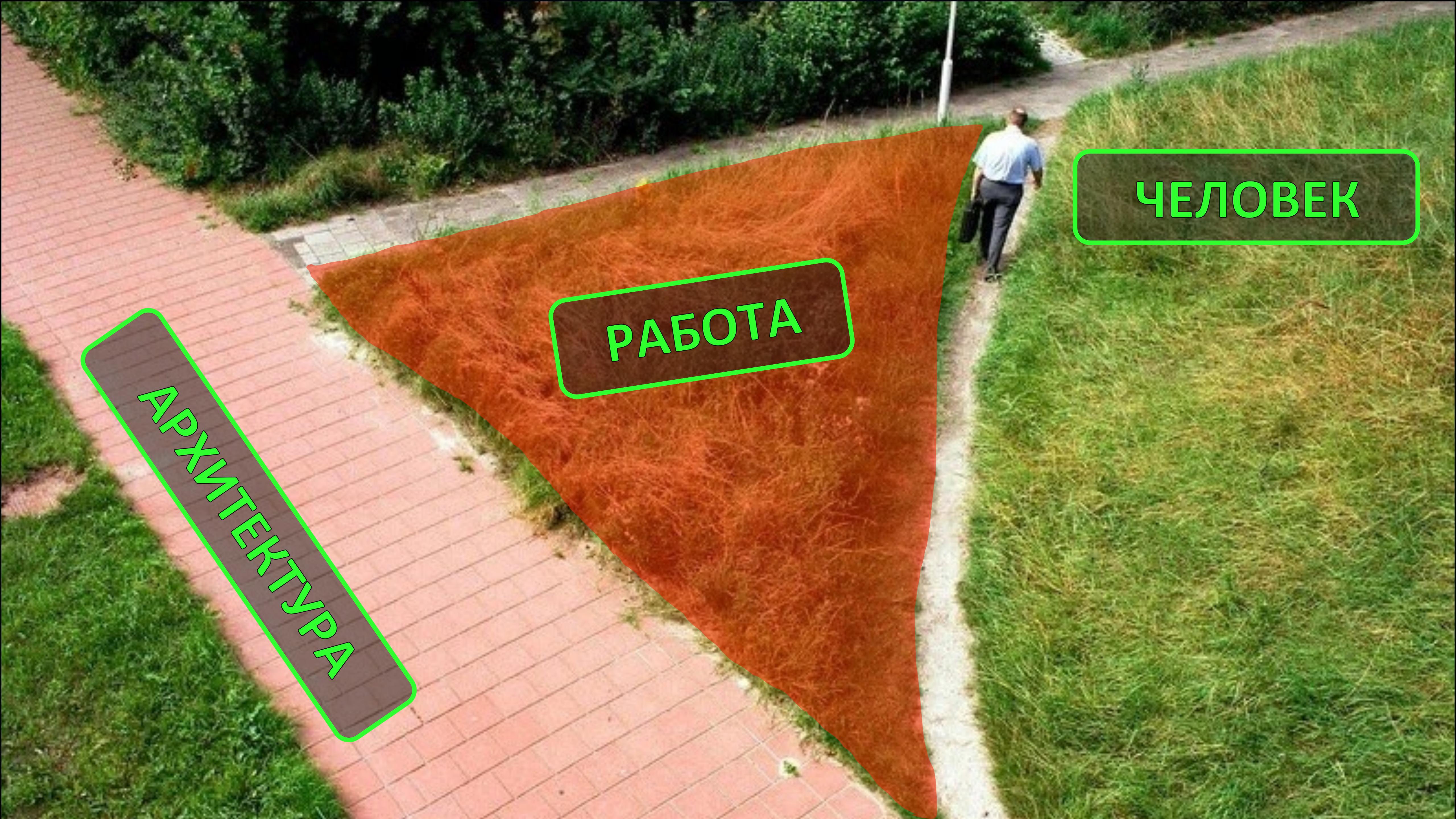
npm 7-toolkits-account

npm 7-toolkits-amount

npm 8-toolkits-vat

npm 9-design-components

devops



АРХИТЕКТУРА

РАБОТА

ЧЕЛОВЕК

Спасибо!



Кирилл Доценко
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