

II.1. Создание продукта в виде конфигурационного файла yaml

Требования и особенности формирования конфигурационного файла описаны в виде комментариев в примере ниже.



ВНИМАНИЕ!

Оформлять отдельными продуктами нужно отличающиеся наборы обязательных для заполнения данных. Если продукт предоставляется для ЮЛ и ИП, то требуется оформлять два продукта: "Продукт... для ЮЛ", "Продукт... для ИП", т.к. у них отличаются наборы обязательных для заполнения полей (например, у ИП нет поля КПП, нельзя это поле указать для ИП как обязательное).



ПРИМЕЧАНИЕ

Рекомендуется перед импортом проверить файл с помощью любого валидатора yaml, чтобы исключить явные ошибки форматирования.

Скачать пример можно также по ссылке [Пример для документации - Продукт БГ\(И\) для ЮЛ ред.12.04.2021.yaml](#)

Пример конфигурационного файла с описанием требований в виде комментариев

```
#
# product
product:
  #
  # , , .. Goodfin
  #name varchar(500) NOT NULL
  name: "      1 (.12.04.21)"
  #shortname varchar(50) NOT NULL
  #
  # shortName: "      (.12.04.21, 1)"
  #producttype varchar(50) NOT NULL
  # , product_types
  #
  #, "BG" - , "PARTICIPATION_BG" - , "TENDER_LOAN" -
  productType: "BG"
  #description varchar(1000) NULL
  #
  # BBCode
  description: "[b]:[b] 44, 223, 615-/185.[br][b]. :[b] 150 ..[br][b]Ma. :[b] 1095 .[br][b] :[b] 3 .-
500 ..; 6 .- 1 ..; 9 .- 1 .. 7 ..; 12 .- 7 .. 50 ..; 24 .- 50 .. 150 ..[br][b]Ma. :[b] 150 ..[br][b]
:[b] , , .[br][b] ( , ) :[b] . ; - .; - .; . - ; . ; . ; . . ( ) .[br][b] :[b] « »; ,
, , ; 214 31.12.2004; , , , .[br]"
  # workterm integer NULL
  #
  # ,
  workTerm: 1
  #externalid uuid NOT NULL
  # guid, , https://www.guidgenerator.com
  # externalId
  externalId: "12f6fa12-3f16-4ab6-94b6-466c3ce3a09e"
  #
  #
  productApplicabilityRule:
    #name varchar(150) NOT NULL
    #
    name: "      1. : 223, 44, 185/615 ; . . "
    #type varchar(50) NOT NULL, = "script"
    type: "script"
    #script character varying(4000) NOT NULL
    # isAvailableForDealApplicationData(dealApplicationData), TRUE, FALSE NULL.
    # true,
    # . - " : productApplicabilityRule, applicabilityRule"
    script: "function isAvailableForDealApplicationData(dealApplicationData) {
      var orgTypes = ['COM', 'UNCOM'];
      var companyClass = java.lang.Class.forName('com.keyintegrity.shb.company.query.dto.
CompanyDto');
      var clientCompany = dealApplicationData.fetchFields[companyClass][dealApplicationData.
```

```

result.client.id];
        if(clientCompany == null || clientCompany.orgType == null || clientCompany.legalType
== null) {
            return null;
        }
        var clientOrgTypeId = clientCompany.orgType.id;
        var clientLegalTypeId = clientCompany.legalType.id;
        return orgTypes.indexOf(clientOrgTypeId) != -1 && clientLegalTypeId == 'ORGANIZATION';
    }"

```

```

#-----
#-----

```

```

# /
# , /, individualFields
# yaml , required ,
# . company_fields

```

```

companyFields:
  required:
    - "bankingDetails"
    - "bankingDetails.bankName"
    - "bankingDetails.bik"
    - "bankingDetails.paymentAccount"
    - "baseOkved"
    - "factAddress"
    - "factAddress.addressType"
    - "factAddress.city"
    - "factAddress.house"
    - "factAddress.isOwned"
    - "factAddress.postCode"
    - "factAddress.region"
    - "factAddress.street"
    - "fullName"
    - "inn"
    - "kpp"
    - "legalAddress"
    - "legalAddress.addressType"
    - "legalAddress.city"
    - "legalAddress.house"
    - "legalAddress.isOwned"
    - "legalAddress.postCode"
    - "legalAddress.region"
    - "legalAddress.street"
    - "legalFounders.address"
    - "legalFounders.inn"
    - "legalFounders.kpp"
    - "legalFounders.name"
    - "legalFounders.ogrn"
    - "legalFounders.percent"
    - "licenses.activity"
    - "licenses.date"
    - "licenses.listActivities"
    - "licenses.number"
    - "licenses.who"
    - "ogrn"
    - "okopf"
    - "okpo"
    - "orgType"
    - "persons"
    - "persons.birthday"
    - "persons.birthdayPlace"
    - "persons.docDate"
    - "persons.docNumber"
    - "persons.docType"
    - "persons.docWho"
    - "persons.firstName"
    - "persons.inn"
    - "persons.lastName"
    - "persons.mainOksm"
    - "persons.middleName"
    - "persons.regAddress"

```

```
- "regDate"
- "regOrg"
- "regPlace"
- "shortName"
- "taxSystem"
```

```
#-----
```

```
#
#
# yaml ,      required ,
#      ,      ( productType)
#      ,
#      . product_types_fields
productFields:
  required:
    - "BG:productDealState.actualContractPrice"
    - "BG:productDealState.amount"
    - "BG:productDealState.concludedContracts"
    - "BG:productDealState.customer"
    - "BG:productDealState.customer.inn"
    - "BG:productDealState.customer.kpp"
    - "BG:productDealState.customer.name"
    - "BG:productDealState.customer.ogrn"
    - "BG:productDealState.customer.region"
    - "BG:productDealState.deadlineForGrant"
    - "BG:productDealState.endDate"
    - "BG:productDealState.hasLoss"
    - "BG:productDealState.isIndisputableWriteOff"
    - "BG:productDealState.isPrepayment"
    - "BG:productDealState.isQuickDecision"
    - "BG:productDealState.isWarrantyPeriod"
    - "BG:productDealState.loanCommitments"
    - "BG:productDealState.startDate"
    - "BG:productDealState.tender"
    - "BG:productDealState.tender.federalLaw"
    - "BG:productDealState.tender.initialContractPrice"
    - "BG:productDealState.tender.isMultiCustomer"
    - "BG:productDealState.tender.isMultiLot"
    - "BG:productDealState.tender.lotName"
    - "BG:productDealState.tender.lotNumber"
    - "BG:productDealState.tender.name"
    - "BG:productDealState.tender.placementType"
    - "BG:productDealState.tender.publishDateTime"
    - "BG:productDealState.tender.registryNumber"
    - "BG:productDealState.tender.url"
```

```
#-----
```

```
# . products_validators validators
validators:
  #      type
  #      type      ,      ,
  #      . validators
- #validator
  type: "COMPANY_PERSON_ROLE_REQUIRED"
  role: "BOOKER"
- #validator
  type: "COMPANY_PERSON_ROLE_REQUIRED"
  role: "DIRECTOR"
- #validator
  type: "COMPANY_FOUNDER_REQUIRED"
```

```
#-----
```

```
#      ,
#      "- docsPackage:"
#      applicabilityRule,      ,
docsPackages:
- #docsPackage 1
  #name varchar(500) NOT NULL
```

```

#
name: "()", 1: , 1 < < = 50 "
#shortname varchar(50) NOT NULL
#
shortName: ", 1 < < = 50 "
#description varchar(1000) NULL,
description: NULL
# . docs_types
#
# . docs_types
docsTypes:
- "ANALYTICAL_BALANCE_LAST_REPORTING_YEAR"
- "LEASE_AGREEMENT_OWNERSHIP"
- "FINANCE_REPORT_LAST_QUARTER"
#
applicabilityRule:
#name varchar(150) NOT NULL
#
name: " 1 50 "
#type varchar(50) NOT NULL, = "script"
type: "script"
#script character varying(4000) NOT NULL
# isAvailableForDealApplicationData(dealApplicationData), TRUE, FALSE NULL.
# true,
# . - " : productApplicabilityRule, applicabilityRule"
script: "function isAvailableForDealApplicationData(dealApplicationData) {
    if (dealApplicationData.result.productDealState.amount == null) {
        return null;
    }
    return dealApplicationData.result.productDealState.amount > 1000000 && dealApplicationData.
result.productDealState.amount <= 50000000;
}"
- #docsPackage 2
#name varchar(500) NOT NULL
#
name: "()", 1: , > 50 "
#shortname varchar(50) NOT NULL
#
shortName: ", > 50 "
#description varchar(1000) NULL,
description: NULL
# . docs_types
#
# . docs_types
docsTypes:
- "FINANCE_REPORT_LAST_QUARTER"
- "ANALYTICAL_BALANCE_LAST_REPORTING_YEAR"
- "ANNUAL_ACCOUNTING_FINANCIAL_STATEMENTS"
- "LEASE_AGREEMENT_OWNERSHIP"
#
applicabilityRule:
#name varchar(150) NOT NULL
#
name: " 50 "
#type varchar(50) NOT NULL, = "script"
type: "script"
#script character varying(4000) NOT NULL
# isAvailableForDealApplicationData(dealApplicationData), TRUE, FALSE NULL.
# true,
# . - " : productApplicabilityRule, applicabilityRule"
script: "function isAvailableForDealApplicationData(dealApplicationData) {
    if (dealApplicationData.result.productDealState.amount == null) {
        return null;
    }
    return dealApplicationData.result.productDealState.amount > 50000000;
}"
- #docsPackage 3
#name varchar(500) NOT NULL
#
name: "()", 1: , > 10 "
#shortname varchar(50) NOT NULL

```

```

#
shortName: " , > 10 "
#description varchar(1000) NULL,
description: NULL
# . docs_types
#
# . docs_types
docsTypes:
- "TAX_DECL_VALUE_ADDED_TAX_LAST_TAX_PERIOD"
- "TAX_DECL_ORGANIZATION_INCOME_TAX_LAST_TAX_PERIOD"
#
applicabilityRule:
#name varchar(150) NOT NULL
#
name: " = 10 "
#type varchar(50) NOT NULL, = "script"
type: "script"
#script character varying(4000) NOT NULL
# isAvailableForDealApplicationData(dealApplicationData), TRUE, FALSE NULL.
# true,
# . - " : productApplicabilityRule, applicabilityRule"
script: "function isAvailableForDealApplicationData(dealApplicationData) {
    var companyClass = java.lang.Class.forName('com.keyintegrity.shb.company.query.dto.
CompanyDto');
    var clientCompany = dealApplicationData.fetchFields[companyClass][dealApplicationData.result.
client.id];
    if (clientCompany == null) {
        return null;
    }
    var taxSystemClass = java.lang.Class.forName('com.keyintegrity.shb.company.query.dto.catalog.
TaxSystemCatalogDto');
    var taxSystemDto = dealApplicationData.fetchFields[taxSystemClass][clientCompany.taxSystem];
    if (clientCompany.legalType == null || taxSystemDto == null || dealApplicationData.result.
productDealState.amount == null) {
        return null;
    }
    var taxSystems = ['OSNO'];
    return taxSystems.indexOf(taxSystemDto.code) != -1 && clientCompany.legalType.id ==
'ORGANIZATION' && dealApplicationData.result.productDealState.amount > 100000000;
}"
- #docsPackage 4
#name varchar(500) NOT NULL
#
name: " (), 1: /, 1 < <= 10 "
#shortname varchar(50) NOT NULL
#
shortName: " /, 1 < <= 10"
#description varchar(1000) NULL,
description: NULL
# . docs_types
#
# . docs_types
docsTypes:
- "TAX_DECLARATION_LAST_PERIOD"
#
applicabilityRule:
#name varchar(150) NOT NULL
#
name: " = ( ) 1 10 "
#type varchar(50) NOT NULL, = "script"
type: "script"
#script character varying(4000) NOT NULL
# isAvailableForDealApplicationData(dealApplicationData), TRUE, FALSE NULL.
# true,
# . - " : productApplicabilityRule, applicabilityRule"
script: "function isAvailableForDealApplicationData(dealApplicationData) {
    var companyClass = java.lang.Class.forName('com.keyintegrity.shb.company.query.dto.
CompanyDto');
    var clientCompany = dealApplicationData.fetchFields[companyClass][dealApplicationData.result.
client.id];
    if (clientCompany == null) {

```

```

        return null;
    }
    var taxSystemClass = java.lang.Class.forName('com.keyintegrity.shb.company.query.dto.catalog.
TaxSystemCatalogDto');
    var taxSystemDto = dealApplicationData.fetchFields[taxSystemClass][clientCompany.taxSystem];
    if (clientCompany.legalType == null || taxSystemDto == null || dealApplicationData.result.
productDealState.amount == null) {
        return null;
    }
    var taxSystems = ['USN','ESHN'];
    return taxSystems.indexOf(taxSystemDto.code) !== -1 && clientCompany.legalType.id ==
'ORGANIZATION' && dealApplicationData.result.productDealState.amount > 1000000 && dealApplicationData.result.
productDealState.amount <= 10000000;
    }"
- #docsPackage 5
#name varchar(500) NOT NULL
#
name: " (), 1:  /, > 10 "
#shortname varchar(50) NOT NULL
#
shortName: " /, > 10 "
#description varchar(1000) NULL,
description: NULL
# . docs_types
#
# . docs_types
docsTypes:
- "BREAKDOWN_ACCOUNTS_RECEIVABLE_LAST_REPORTING_DATE"
- "TAX_DECLARATION_LAST_PERIOD"
#
applicabilityRule:
#name varchar(150) NOT NULL
#
name: " = ( ) 10 "
#type varchar(50) NOT NULL, = "script"
type: "script"
#script character varying(4000) NOT NULL
# isAvailableForDealApplicationData(dealApplicationData), TRUE, FALSE NULL.
# true,
# . - " : productApplicabilityRule, applicabilityRule"
script: "function isAvailableForDealApplicationData(dealApplicationData) {
    var companyClass = java.lang.Class.forName('com.keyintegrity.shb.company.query.dto.
CompanyDto');
    var clientCompany = dealApplicationData.fetchFields[companyClass][dealApplicationData.result.
client.id];
    if (clientCompany == null) {
        return null;
    }
    var taxSystemClass = java.lang.Class.forName('com.keyintegrity.shb.company.query.dto.catalog.
TaxSystemCatalogDto');
    var taxSystemDto = dealApplicationData.fetchFields[taxSystemClass][clientCompany.taxSystem];
    if (clientCompany.legalType == null || taxSystemDto == null || dealApplicationData.result.
productDealState.amount == null) {
        return null;
    }
    var taxSystems = ['USN','ESHN'];
    return taxSystems.indexOf(taxSystemDto.code) !== -1 && clientCompany.legalType.id ==
'ORGANIZATION' && dealApplicationData.result.productDealState.amount > 10000000;
    }"
- #docsPackage 6
#name varchar(500) NOT NULL
#
name: " ( , )"
#shortname varchar(50) NOT NULL
#
shortName: " (, )"
#description varchar(1000) NULL,
description: NULL
# . docs_types
#
# . docs_types

```

```

docstypes:
- "EXTRACT_FROM_REGISTER_SHAREHOLDERS"
#
applicabilityRule:
  #name varchar(150) NOT NULL
  #
  name: "- "
  #type varchar(50) NOT NULL, = "script"
  type: "script"
  #script character varying(4000) NOT NULL
  # isAvailableForDealApplicationData(dealApplicationData), TRUE, FALSE NULL.
  # true, ,
  # . - " : productApplicabilityRule, applicabilityRule"
  script: "function isAvailableForDealApplicationData(dealApplicationData) {
    if (dealApplicationData.result.client.clientType.id != 'COMPANY') {
      return false;
    }
    var okopfTypes = ['12200', '12247', '12267'];
    var companyClass = java.lang.Class.forName('com.keyintegrity.shb.company.query.dto.
CompanyDto');
    var clientCompany = dealApplicationData.fetchFields[companyClass][dealApplicationData.result.
client.id];
    var okopfClass = java.lang.Class.forName('com.keyintegrity.shb.company.query.dto.catalog.
OkopfCatalogDto');
    var okopfDto = dealApplicationData.fetchFields[okopfClass][clientCompany.okopf];
    return okopfDto != null && okopfTypes.indexOf(okopfDto.code) != -1;
  }"
- #docsPackage 7
  #name varchar(500) NOT NULL
  #
  name: " ( , )"
  #shortname varchar(50) NOT NULL
  #
  shortName: " (, )"
  #description varchar(1000) NULL, ,
  description: NULL
  # . docs_types
  #
  # . docs_types
docstypes:
- "CHARTER"
- "HEAD_APPOINTMENT_PROTOCOL"
- "HEAD_PASSPORT_COPY"
# applicabilityRule -

#-----
# .
financePackages:
- #FinancePackage 1
  name: " (), 1 "
  userTooltip: " , ."
  # . ,
  # 0710098 0710001 0710002
  # 0710099 0710001 0710002
  # . finance_fields
  # formSet
  # form
  # indicators.required
  #periodTypes
  # periodTypes . period_types
forms:
- #form and indicators
  formSet: "0710098"
  form: "0710001"
  periodTypes:
  - "currentReportingPeriod"
  - "previousYear"
  - "yearPrecedingPrevious"
  indicators:
    required:

```

```
- "noMaterial"
- "material"
- "1210"
- "finAssets"
- "1250"
- "capital"
- "1410"
- "longTermDuties"
- "1510"
- "1520"
- "shortTermDuties"
- "1600"
- "1700"
- #form and indicators
  formSet: "0710098"
  form: "0710002"
  periodTypes:
    - "currentReportingPeriod"
    - "previousYear"
    - "yearPrecedingPrevious"
  indicators:
    required:
      - "2110"
      - "expenses"
      - "otherIncomes"
      - "2330"
      - "2350"
      - "2400"
      - "incomeTaxes"
- #form and indicators
  formSet: "0710099"
  form: "0710001"
  periodTypes:
    - "currentReportingPeriod"
    - "previousYear"
    - "yearPrecedingPrevious"
  indicators:
    required:
      - "1100"
      - "1110"
      - "1120"
      - "1130"
      - "1140"
      - "1150"
      - "1160"
      - "1170"
      - "1180"
      - "1190"
      - "1200"
      - "1210"
      - "1220"
      - "1230"
      - "1240"
      - "1250"
      - "1260"
      - "1300"
      - "1310"
      - "1320"
      - "1340"
      - "1350"
      - "1360"
      - "1370"
      - "1400"
      - "1410"
      - "1420"
      - "1430"
      - "1450"
      - "1500"
      - "1510"
      - "1520"
      - "1530"
```

```

- "1540"
- "1550"
- "1600"
- "1700"
- #form and indicators
  formSet: "0710099"
  form: "0710002"
  periodTypes:
    - "currentReportingPeriod"
    - "previousYear"
    - "yearPrecedingPrevious"
  indicators:
    required:
      - "2100"
      - "2110"
      - "2120"
      - "2200"
      - "2210"
      - "2220"
      - "2300"
      - "2310"
      - "2320"
      - "2330"
      - "2340"
      - "2350"
      - "2400"
      - "2410"
      - "2411"
      - "2412"
      - "2460"
      - "2500"
      - "2510"
      - "2520"
      - "2530"
      - "2900"
      - "2910"
# .
applicabilityRule:
  #name varchar(150) NOT NULL
  #
  name: " < 1 FINANCE_REPORT_LAST_QUARTER, ANALYTICAL_BALANCE_LAST_REPORTING_YEAR"
  #type varchar(50) NOT NULL, = "script" type: "script"
  #script character varying(4000) NOT NULL
  # isAvailableForDealApplicationData(dealApplicationData), TRUE FALSE.
  script: "function isAvailableForDealApplicationData(dealApplicationData) {
    var clientCompany = dealApplicationData.getFetchField('Company', dealApplicationData.result.
client.id);
    if (clientCompany == null || dealApplicationData.result.productDealState.amount == null) {
      return null;
    }
    var financeReportExists = false;
    var analyticalBalanceExists = false;
    var documentsMap = dealApplicationData.getFetchFieldAsMap('ApplicationDocument');
    if (documentsMap !== null) {
      var documents = documentsMap.values();
      financeReportExists = documents.stream().anyMatch(function(doc) {
        return doc.docType != null && doc.docType.id ==
'FINANCE_REPORT_LAST_QUARTER' && doc.docState != null && doc.docState.id == 'ACTUAL';
      });
      analyticalBalanceExists = documents.stream().anyMatch(function(doc) {
        return doc.docType != null && doc.docType.id ==
'ANALYTICAL_BALANCE_LAST_REPORTING_YEAR' && doc.docState != null && doc.docState.id == 'ACTUAL';
      });
    }
    return clientCompany.legalType.id == 'ORGANIZATION' && !(financeReportExists &&
analyticalBalanceExists) && dealApplicationData.result.productDealState.amount < 1000000;
  }"

```