# OnBoarding üzleti adat modell

Az adatszerkezet a folyamat számára szükséges adatokszerkezetben tartalmazza az integráción keresztül megkapott adatokat. Mivel ez nem master adat struktúra, így itt nem törekedtünk sem a redundancia mentességre sem pedig egyéb optimalizációra. Az adatstruktúra gyökere minden esetben a Process Data, amely egy futó folyamatot jelent. Az adatok törlése egy adott idő elteltével a Process Data last touch time időbélyegének vizsgálatával történik.

## ProcessData

Elinduló folyamatonként tartalmaz egy-egy rekordot. Tartalmazza a teljes folyamatra vonatkozó admin és üzleti adatokat, amely független a kimeneteltől. Tehát ez a rekord mindenképpen létezik, ha folyamatot indítottunk. A rekord már az indítás igényére létrejön, így ha nem sikerült az indítás a jBPM oldalon (technikai hiba miatt, hiszen üzleti ilyen eset nem lehet), akkor ennek nyoma van és ki lehet olvasni, hogy mi volt a probléma. A folyamatokból egy teljes OnBoarding lefutás során két példány keletkezik. Az első maga az ügyfél beazonosítása és az ügyfélként történő véglegesítése. A másik pedig a termék értékesítési folyamata. Ezek között optimális esetben szülő folyamat – gyerek folyamat kapcsolat van. Ezt mutatja a parent process id.
A parent process megléte nem feltétele a termék értékesítési folyamat lefutásának. Ha nincs meg a szülő folyamat a CMDBID alapján akkor is lekérdezzük a customer adatokat és így a customer adatszerkezet létrejön. Ez a normál folyamat esetén elvileg felesleges, hiszen a szülő folyamattól örököljük az adatokat. Azonban az időbeli eltérés miatt itt is praktikus lehet az újbóli lekérdezés, hiszen ezzel garantálható a legfrissebb ügyfél adat.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| processId | StringIdentifier | VARCHAR2(60) | Y | A publikus process azonosító. Futó sorszám kiegészítve 0-kal az elején. |
| activeToken | UUID | VARCHAR2(50) | Y | A folyamathoz aktuálisan tartozó aktív token. |
| lastTouchTime | Timestamp | TIMESTAMP | Y |  |
| BPMProcessId | BPMProcessId |  | N |  |
| cmdbid | Long |  | N | A CMDBID az OnBoarding folyamat során, ha sikeresen befogadásra került az ügyfél, akkor a CMDBID kitöltésre kerül. Ezt el lehetne érni a kapcsolódó Customer rekordból is, de mivel pontosan egynek kell lennie, ezért ide beírjuk, hogy könnyű legyen kioldani és lekérdezni ez alapján. |
| stateCode | StringIdentifier | VARCHAR2(60) | Y |  |
| startedAt | Timestamp | TIMESTAMP | Y |  |
| parentProcess\_ID | Identifier | NUMBER(38) | N |  |
| processDefinition | StringIdentifier | VARCHAR2(60) | Y |  |
| processStateCode | Code | VARCHAR2(50) | Y | A folyamat aktuális állapota.  Értékkészlet:  RUNNNIG  FINISHED  FAILED |

## SessionRepository

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| processData\_ID | Identifier | NUMBER(38) | Y |  |
| sessionId | UUID | VARCHAR2(50) | Y |  |
| validUntil | Timestamp | TIMESTAMP | Y |  |

## OnBoardCustomerProcessData

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| processData\_ID | Identifier | NUMBER(38) | Y |  |
| firstName | NaturalName |  | Y |  |
| lastName | NaturalName |  | Y |  |
| email | Email |  | Y |  |
| phone | Phone |  | Y |  |
| proxy | Boolean | VARCHAR2(5) | Y |  |
| hungarianAddress | Boolean | VARCHAR2(5) | N |  |
| identificationMode | Code | VARCHAR2(50) | N | Csatorna kódja, ami a folyamat elején a StartRequest-ben érkezik.  Értékkészlet:  NFC\_INDIRECT  KAU\_INDIRECT  PHOTO\_INDIRECT  PERSONAL\_DIRECT  VIDEO\_DIRECT  NOT\_IDENTIFIED  FAILED\_IDENTIFIED |
| channelCode | Code | VARCHAR2(50) | N | Értékkészlet:  MOBILE  WEB  ASSISTED |
| flowType | StringIdentifier | VARCHAR2(60) | N |  |
| flowStatus | StringIdentifier | VARCHAR2(60) | N |  |
| branchCode | StringIdentifier | VARCHAR2(60) | N |  |
| communicationLanguage | StringIdentifier | VARCHAR2(60) | Y |  |
| cmdbid | Long |  | N |  |
| nonRealTime | Boolean | VARCHAR2(5) | N |  |
| dataHandlingConsent | Boolean | VARCHAR2(5) | N |  |
| selfServiceNokReceived | Long |  | N |  |
| backupVideoNokReceived | Long |  | N |  |
| rejectionReason | StringIdentifier | VARCHAR2(60) | N |  |
| countryCallCode | Phone |  | N |  |
| countyCallCode | Phone |  | N |  |

## ConsentResult

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| hundredMillion | Boolean | VARCHAR2(5) | N |  |
| processData\_ID | Identifier | NUMBER(38) | Y |  |
| marketingEmail | Boolean | VARCHAR2(5) | N |  |
| marketingPhone | Boolean | VARCHAR2(5) | N |  |
| marketingSms | Boolean | VARCHAR2(5) | N |  |
| pep | Boolean | VARCHAR2(5) | N |  |
| ttny | Boolean | VARCHAR2(5) | N |  |
| fatca | Boolean | VARCHAR2(5) | N |  |
| crs | Boolean | VARCHAR2(5) | N |  |
| receivedAt | Timestamp | TIMESTAMP | Y |  |
| crsTaxIdHun | StringIdentifier | VARCHAR2(60) | N |  |
| crsTaxIdForeign1 | StringIdentifier | VARCHAR2(60) | N |  |
| crsTaxIdForeign2 | StringIdentifier | VARCHAR2(60) | N |  |
| crsTaxIdForeign3 | StringIdentifier | VARCHAR2(60) | N |  |
| crsTaxCountry1 | StringIdentifier | VARCHAR2(60) | N |  |
| crsTaxCountry2 | StringIdentifier | VARCHAR2(60) | N |  |
| crsTaxCountry3 | StringIdentifier | VARCHAR2(60) | N |  |
| extendedLifind | Boolean | VARCHAR2(5) | N |  |
| marketingPostal | Boolean | VARCHAR2(5) | N |  |
| extendedOnline | Boolean | VARCHAR2(5) | N |  |
| extendedGeoloc | Boolean | VARCHAR2(5) | N |  |
| extendedDevice | Boolean | VARCHAR2(5) | Y |  |
| extendedTpsps | Boolean | VARCHAR2(5) | N |  |
| extendedPsd2 | Boolean | VARCHAR2(5) | N |  |

## DuplicateCustomer

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| customer\_ID | Identifier | NUMBER(38) | Y |  |
| cmdbid | Long |  | Y |  |
| name\_ID | Identifier | NUMBER(38) | Y |  |
| mother\_ID | Identifier | NUMBER(38) | Y |  |
| birthData\_ID | Identifier | NUMBER(38) | Y |  |
| customerType | StringIdentifier | VARCHAR2(60) | Y | Ha a type normál vagy online, akkor a modifyCustomer ezt a típust viszi tovább, hogy ne legyen visszalépés az ügyfél számára. |
| closedCustomer | Boolean | VARCHAR2(5) | Y |  |
| birthNameCorresponding | Boolean | VARCHAR2(5) | Y |  |
| motherNameCorresponding | Boolean | VARCHAR2(5) | Y |  |
| birthPlaceCorresponding | Boolean | VARCHAR2(5) | Y |  |
| birthDateCorresponding | Boolean | VARCHAR2(5) | Y |  |

## Customer

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| processData\_ID | Identifier | NUMBER(38) | Y | A folyamat azonosítója, amelyhez tartozik a bejegyzés. |
| cmdbid | Long |  | N |  |
| name\_ID | Identifier | NUMBER(38) | Y |  |
| mother\_ID | Identifier | NUMBER(38) | Y |  |
| birthData\_ID | Identifier | NUMBER(38) | Y |  |
| customerType | StringIdentifier | VARCHAR2(60) | N | Ha a type normál vagy online, akkor a modifyCustomer ezt a típust viszi tovább, hogy ne legyen visszalépés az ügyfél számára. |
| eid | StringIdentifier | VARCHAR2(60) | N |  |
| epin | StringData | VARCHAR2(400) | N |  |
| fullCorrespondence | Boolean | VARCHAR2(5) | N |  |
| citizenshipCountry | CountryCode |  | N |  |
| branchCode | StringIdentifier | VARCHAR2(60) | N |  |
| fatcaIndicator | Boolean | VARCHAR2(5) | N |  |
| crsIndicator | Boolean | VARCHAR2(5) | N |  |
| identificationChannel | Code | VARCHAR2(50) | N | Értékkészlet:  MOBILE  WEB  ASSISTED |

## PersonName

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| title | NaturalName |  | N |  |
| firstName | NaturalName |  | N |  |
| lastName | NaturalName |  | N |  |
| gender | StringIdentifier | VARCHAR2(60) | N |  |
| fullName | StringData | VARCHAR2(400) | N |  |

## Address

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| addressingType | StringIdentifier | VARCHAR2(60) | Y |  |
| countryCode | CountryCode |  | N |  |
| zipCode | StringIdentifier | VARCHAR2(60) | N |  |
| cityIdentifier | Long |  | N |  |
| cityName | StringIdentifier | VARCHAR2(60) | N |  |
| streetIdentifier | Long |  | N |  |
| streetName | StringIdentifier | VARCHAR2(60) | N |  |
| streetType | StringIdentifier | VARCHAR2(60) | N |  |
| houseNumber | StringIdentifier | VARCHAR2(60) | N |  |
| postBox | StringIdentifier | VARCHAR2(60) | N |  |
| branchCode | StringIdentifier | VARCHAR2(60) | N |  |
| branchBoxNumber | StringIdentifier | VARCHAR2(60) | N |  |
| lotNumber | StringIdentifier | VARCHAR2(60) | N |  |
| mailingCustomerName | NaturalName |  | Y |  |
| typeDomicile | Boolean | VARCHAR2(5) | N |  |
| typeNotification | Boolean | VARCHAR2(5) | N |  |
| typeResidence | Boolean | VARCHAR2(5) | N |  |
| customer\_ID | Identifier | NUMBER(38) | Y |  |

## BirthData

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| birth\_ID | Identifier | NUMBER(38) | Y |  |
| dateOfBirth | Date |  | Y |  |
| countryCode | StringIdentifier | VARCHAR2(60) | N |  |
| city | NaturalName |  | N |  |

## DocumentContent

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| processData\_ID | Identifier | NUMBER(38) | Y |  |
| content | BinaryData | BLOB | Y |  |
| documentType | Code | VARCHAR2(50) | Y | Értékkészlet:  FRAME\_CONTRACT  PRODUCT\_CONTRACT |
| mimeType | StringIdentifier | VARCHAR2(60) | N |  |
| contentHash | StringData | VARCHAR2(400) | N |  |
| businessIdentifier | StringIdentifier | VARCHAR2(60) | Y |  |
| fileName | StringIdentifier | VARCHAR2(60) | N |  |
| signedContent | BinaryData | BLOB | N |  |
| signedMimeType | StringIdentifier | VARCHAR2(60) | N |  |
| signedFileName | StringIdentifier | VARCHAR2(60) | N |  |
| signedConentHash | NaturalName |  | N |  |
| createdAt | Timestamp | TIMESTAMP | Y |  |
| signedAt | Timestamp | TIMESTAMP | N |  |

## DocumentSignature

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| signed | Boolean | VARCHAR2(5) | Y |  |
| documentContent\_ID | Identifier | NUMBER(38) | Y |  |
| signatureTime | Timestamp | TIMESTAMP | Y |  |
| comments | Description | VARCHAR2(2000) | N |  |

## StateHistory

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| code | StringIdentifier | VARCHAR2(60) | Y |  |
| stateTime | Timestamp | TIMESTAMP | Y |  |
| processData\_ID | Identifier | NUMBER(38) | Y |  |

## CustomerNotificationMessage

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| messageType | StringIdentifier | VARCHAR2(60) | Y |  |
| processData\_ID | Identifier | NUMBER(38) | Y |  |
| channel | StringIdentifier | VARCHAR2(60) | Y | Ez jelenleg csak SMS lehet. channel: SMS |
| messageText | Description | VARCHAR2(2000) | Y |  |
| sentAt | Timestamp | TIMESTAMP | Y |  |

## BackOfficeMessage

A BackOffice felé kiküldött e-mail-ek tartalma és a kiküldés időpontja.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| messageType | StringIdentifier | VARCHAR2(60) | Y |  |
| messageText | Description | VARCHAR2(2000) | Y |  |
| sentAt | Timestamp | TIMESTAMP | Y |  |
| processData\_ID | Identifier | NUMBER(38) | Y |  |

## ManualTask

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| identifier | StringIdentifier | VARCHAR2(60) | Y |  |
| taskType | StringIdentifier | VARCHAR2(60) | Y |  |
| assignedAt | Timestamp | TIMESTAMP | Y |  |
| closedAt | Timestamp | TIMESTAMP | Y | Ha nincs kitöltve a closedAt, akkor a az adott manuális feladat még nyitott. |
| processData\_ID | Identifier | NUMBER(38) | Y |  |

## Contact

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| contactData | StringData | VARCHAR2(400) | N |  |
| contactType | StringIdentifier | VARCHAR2(60) | N |  |
| customer\_ID | Identifier | NUMBER(38) | Y |  |
| primaryContact | Boolean | VARCHAR2(5) | N |  |
| countryCallCode | StringIdentifier | VARCHAR2(60) | N |  |
| countyCallCode | StringIdentifier | VARCHAR2(60) | N |  |

## IdentifierDocument

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| customer\_ID | Identifier | NUMBER(38) | Y |  |
| identDocumentType | StringIdentifier | VARCHAR2(60) | N |  |
| identDocumentData | StringIdentifier | VARCHAR2(60) | N |  |
| issuerCountryCode | StringIdentifier | VARCHAR2(60) | N |  |
| expiryDate | Date |  | N |  |
| isAddressInvolved | Boolean | VARCHAR2(5) | N |  |
| identDocumentExternalId | Long |  | N |  |

## BankAccount

For business identification the required field(s): [giroNumber | ibanCode | (eqBranch, eqId, eqSuffix)]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| giroNumber | StringIdentifier | VARCHAR2(60) | N | GIRO account number string(24) |
| ibanCode | StringIdentifier | VARCHAR2(60) | N | Account number - IBAN prefix string(4) |
| eqBranchCode | StringIdentifier | VARCHAR2(60) | N | EQUATION branch id padded with zeros from the left string(4) |
| eqId | StringIdentifier | VARCHAR2(60) | N | EQUATION identifier string(6) |
| eqSuffix | StringIdentifier | VARCHAR2(60) | N | EQUATION suffix string(3) |
| customer\_ID | Identifier | NUMBER(38) | Y |  |
| activated | Boolean | VARCHAR2(5) | Y |  |

## Card

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| cardFun | StringIdentifier | VARCHAR2(60) | N | Number of the card (secondary identifier) string(16) |
| bankaccount\_ID | Identifier | NUMBER(38) | Y |  |
| owner\_ID | Identifier | NUMBER(38) | Y |  |
| activated | Boolean | VARCHAR2(5) | Y |  |
| cardtype | Code | VARCHAR2(50) | Y | Értékkészlet:  DEBIT  CREDIT |

## CartItem

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| objectId | StringIdentifier | VARCHAR2(60) | Y | string(30) |
| objectIdType | StringData | VARCHAR2(400) | Y | string(255) |
| closed | Boolean | VARCHAR2(5) | Y |  |
| processData\_ID | Identifier | NUMBER(38) | Y |  |

## CrsCountry

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| countryCode | CountryCode |  | Y |  |
| customer\_ID | Identifier | NUMBER(38) | Y |  |

## EntityModificationTrack

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| touchtime | Timestamp | TIMESTAMP | Y |  |
| entityname | StringIdentifier | VARCHAR2(60) | Y |  |

## DwhArchiveTrack

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| startTime | Timestamp | TIMESTAMP | Y |  |
| endTime | Timestamp | TIMESTAMP | Y |  |

# Domain

## EventBody

The event body contains all the static informatioln for the business events. The events during the active and the processed stage are referencing the body.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| request\_ID | Identifier | NUMBER(38) | N |  |
| identifier | UUID |  | Y | The identifier is a unique identifier for the events. |
| actionCode | NaturalName |  | Y | The action code is a type of the event. It contains the instruction for the event processor logic. The platform use this to store the Function fully qualified name like Module.Enity1.CRUD.Query. It is useful to identify the event at a glance but the same value will be stored in the binary content. |
| createdAt | Timestamp |  | Y |  |
| businessEntity | CodeIdentifier |  | N |  |
| businessEntityRef | StringIdentifier |  | N |  |
| extensionText | Description |  | N |  |
| sessionId | StringIdentifier |  | Y | It's a correlation id for the events with the same business session. The processing logic can keep the order of the events from the same session. |
| eventChannel | StringIdentifier |  | Y | The channel code defines the executor (the thread pool) for the given event. The priority of the channels could differ depending on the configuration. |
| lastProcessLog\_ID | Identifier | NUMBER(38) | N |  |

## ActiveEvent

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| eventbody\_ID | Identifier | NUMBER(38) | Y |  |
| nextProcessTime | Timestamp |  | Y | The next process time is an instruction for the scheduled workers to allocate the given event for execution. The default value is the current time. If we have a scheduled event then this property contains the next schedule time. |
| applicationruntime\_ID | Identifier | NUMBER(38) | N |  |
| eventChannel | StringIdentifier |  | Y | The channel code defines the executor (the thread pool) for the given event. The priority of the channels could differ depending on the configuration. |
| state | EnumCode |  | Y | The state can be one of the following: |

## EventBinaryContent

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| lobData | BinaryData |  | Y |  |
| mimeType | CodeIdentifier |  | Y |  |

## EventProcessLog

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| eventbody\_ID | Identifier | NUMBER(38) | Y |  |
| resultCode | NaturalName |  | N |  |
| processStartTime | Timestamp |  | N |  |
| processFinishTime | Timestamp |  | N |  |
| result\_ID | Identifier | NUMBER(38) | N |  |
| applicationruntime\_ID | Identifier | NUMBER(38) | Y |  |
| state | EnumCode |  | Y | The state can be one of the following: |
| orderNo | Integer |  | Y | The default is 0 and increased by every process of the event. If we start the process on the fly, then we set 1. |
| allocationTime | Timestamp |  | Y |  |
| expectedAllocationTime | Timestamp |  | Y |  |

## ApplicationRuntime

The application runtime is responsible for storing one record for each application instance. In a clustered environment these instances can communicate with each other and the still alive listening is solved by continuesly updating this record.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| startTime | Timestamp |  | Y |  |
| stopTime | Timestamp |  | N |  |
| lastTouchTime | Timestamp |  | Y |  |
| code | CodeIdentifier |  | Y |  |

## EventChannel

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column | Type name | Database type | Mandatory | Description |
| code | StringIdentifier |  | Y |  |