

Title	Online Banking - real tokenised
Creator / Responsible Partner	CaixaBank (CAIXA)
Dataset Identifier	06_TokenisedOnlineBankingCAIXA_I-BiDaaS_WP2_D2.1_v0.1.xlsx
DOI	10.5281/zenodo.4264239 ¹
Dataset Description	This dataset contains the information of mobile-to-mobile bank transfers ordered through online banking (web or application) by CaixaBank's customers. It was generated for the assessing that the controls applied to user authentication are applied adequately (e.g. second factor authentication) in accordance with PSD2 regulation and depending on the context of the bank transfer.
Work Package/Deliverable	WP2/D2.1
Source	The data was collected from the different operations' monitoring channels from CaixaBank and stored in the "Datapool" of the entity. The information was collected from different structures stored in the "Datapool" and merged in order to generate a table with all the contextual information of a bank transfer ordered through online banking (web or application).
Processing	All the fields containing sensitive information were encrypted using the following encryption formats: <ul style="list-style-type: none"> • Format preserving encryption for categorical fields. • Order preserving encryption for numerical fields. • A Bloom-filtering encryption process for free text fields.
Repository	Zenodo
Language	Spanish/Catalan/English
Code list	<ul style="list-style-type: none"> • PK_ANYOMES: Year and month of the partition, is the one corresponding to the consolidation of the Bizum. NUMBER. • PK_ANYOMESDIA: Year, month and day of the sub-partition, is the one corresponding to the consolidation of the Bizum. NUMBER. • PK_IDE_USUCLO_ORIG: User id number reported from origin. VARCHAR2. • PK_IDENUMSESION: Identifier number of the session in which the transfer is made. VARCHAR2. • PK_ORDEN: Unique number that identifies one of the events of the same transfer for the same use, day and session number. NUMBER.

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	<ul style="list-style-type: none"> • PK_REFERENCIA: Unique identifier of the transfer, appears in the text lines in the consolidation event. VARCHAR2. • IMPORTE_OPERACION: Amount of money of the transfer. NUMBER. • IND_AUTENTICACION_REFORZADA: Indicator of whether the authentication that requires the transfer is of a strong type or not. NUMBER. • TIPO_AUTENTICACION: Authentication type required to make the transfer. Appears on lines of text in display event. VARCHAR2. • AUTENTICACION_ESPERADA: Total authentications necessary to make the transfer. Appears on lines of text in display event. VARCHAR2. • ESTADO_OP_DEC: Status of the operation that appears in the consolidation of the transfer in the DE_TX_CANAL_LOE table in the PK_COD_ESTADO_OP field. VARCHAR2. • ESTADO_OP_DEC_LTX: Status of the operation that appears in the transfer consolidation in the D the operation has a certain status. VARCHAR2. • ESTADO_OP_TRF: Transfer status in TRF table. VARCHAR2. • NUM_PARTICION: Different partition number that appears in the transfers. VARCHAR2. • FK_NUMPERSO_TIT_LOE: Identifier number of the person associated with the user's NIF in DATOS_ESPECIALES_NIF_TITULARCLO. NUMBER. • COD_TIPO_TERMINAL: Terminal type code. VARCHAR2. • TERMINAL: Identifier of the Open Line contract when the type of activator is LA and the PAN of the encrypted card when the type of activator is TA. VARCHAR2. • EMPRESA: Company (from CaixaBank group) identifier number. NUMBER. • MOTIVO_ANULACION: Reason why an operation is cancelled. VARCHAR2. • HORA_CONFIRMACION: Time when the transfer is consolidated. TIMESTAMP. • FECHA_CARGA: Data upload date. DATE.
Type	Categorical, Numerical, Text

Format	CSV file
Expected Size	264.2 MB
Keywords	Bank transfer, Mobile-to-mobile, encrypted, security mechanisms, PSD2, anomaly detection, fraud prevention.
Version	V0.1
Date of Repository Submission	09-11-2020
Necessary software	-
Rights	-
Access Information	Open