

Interface Specification

FBS-14789

FBS Statistics data for SFTP transfer

Interface Specification

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1 Introduction

This document describes the statistics data exchanged with Danmarks Statistik (DST) and DDB via Serviceplatformen, or transferred to another SFTP server.

1.1 Keywords

Word	Meaning
PK	Primary key
FK	Foreign key

2 Delivery

This section describes how the data is delivered to Serviceplatformen or another SFTP server, the format of the data and how errors in the communication is handled. Data to DDB and DST are delivered to Serviceplatformen.

When extracting data, CSV-files are generated containing the created, updated, or deleted rows since the data was extracted the last time. The CSV files are then all packed into a single ZIP file for each recipient.

The ZIP files are then uploaded to the configured service. For Serviceplatformen, see Serviceplatformens documentation for more information regarding the integration pattern.

2.1 Name and structure

The data is extracted and delivered per agency, as agencies can enable and disable the integration.

The naming of the CSV-files will have the format: <name>_<agencyISIL>_<sequence>_<date>.csv (example: AccountDimView_DK-710100_1_20190618.csv).

The Transactions CSV file will have the format TransactionsStatisticView_V02_<agencyISIL>_<sequence>_<date>.csv

Element	Description
Name	Name of the table/dataset the file contains
AgencyISIL	AgencyISIL of the agency for which the file contains data. Example: DK-710100
Sequence	Sequence to check whether the files are read in the correct order.
Date	Date of when the file was generated in format: yyyyMMdd

The CSV files are delivered contained in two separate .zip-files with the names:

- Statistic_<agencyISIL>_<sequence>_<date>.zip (example: Statistic_DK-710100_1_20190618.zip)
- Transactions_V02_<agencyISIL>_<sequence>_<date>.zip (example: Transactions_V02_DK-710100_1_20190618.zip)

Element	Description
AgencyISIL	AgencyISIL of the agency for which the file contains data. Example: DK-710100
Sequence	Sequence to check whether the files are read in the correct order.
Date	Date of when the file was generated in format: yyyyMMdd

2.2 Format

The CSV files will follow the RFC4180 standard for CSV files, with the following notes:

- Semicolon (“;”) will be used as separator
- Each file will contain a header line as the first line
- Encoding of the files will be UTF-8

2.3 Error handling

When an error is reported when FBS delivers a file to the target server, the error is logged and appears in Systematic's monitoring of the integration. When the error is corrected then a new file is delivered with a delta since the last successful delivery, with the next sequence number.

3 Data

This section describes the content of the CSV files.

The properties are sorted alphabetically, since that is the column order used in the CSV files.

Each headline in this section is the 'name' part of the file name.

For a detailed description of the datatypes (property types) see the documentation from MSSQL.

The description of each of the facts contains a diagram of the fact's logical datamodel.

For ServicePlatformen, all files except 'Transactions' are delivered to DDB. 'Transactions' is delivered to DST; for custom SFTP servers, all files are uploaded to the configured server.

3.1 AccountDimView

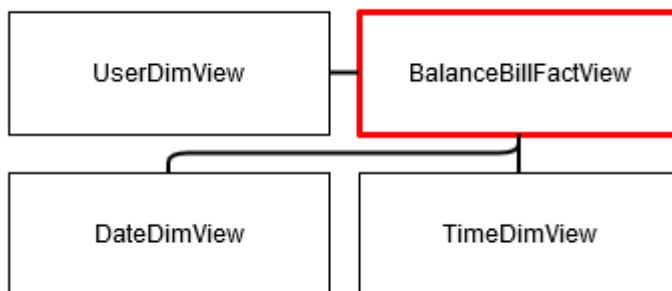
Property name	Property type	Description
AccountNumber	nvarchar (20)	
AgencyISIL	nvarchar (16)	
CiceroId	bigint	PK
LatestUpdateTime	datetime	
Name	nvarchar (255)	

3.2 ActorDimView

Property name	Property type	Description
ActorKey	bigint	PK
AgencyISIL	nvarchar (16)	
HandleType	nvarchar (10)	Possible values: <ul style="list-style-type: none"> • p • l
LatestUpdateTime	datetime	
Name	nvarchar (255)	
UserKey	bigint	FK – references UserDim.UserKey

3.3 BalanceBillFactView

3.3.1 Datamodel



3.3.2 Properties

Property name	Property type	Description
AgencyISIL	nvarchar (16)	
BalanceType	nvarchar (31)	
CiceroId	bigint	PK
CreatedByUserKey	bigint	FK – references UserDim.UserKey
CreationTime	datetime	
CreationTimeDateId	bigint	FK – references DateDim.Id
CreationTimeTimeId	bigint	FK – references TimeDim.Id
LatestUpdateTime	datetime	

3.4 BibliographicPostDimView

Property name	Property type	Description
AgencyISIL	nvarchar (16)	
Author	nvarchar (255)	
DK5	nvarchar (255)	
DK5Placement	nvarchar (255)	
DK5PlacementMainGroup	nvarchar (255)	
FaustNumber	nvarchar (50)	
GeneralMaterialTerm	nvarchar (10)	Field 009*a
Id	bigint	PK
ISBN	nvarchar (255)	
LatestUpdateTime	datetime	
MonoOrSerial	nvarchar (10)	
MusicGenre	nvarchar (255)	
SpecificMaterialTerm	nvarchar (10)	Field 009*g
Title	nvarchar (255)	
TypeOfSerial	nvarchar (100)	

3.5 BibliographicPostDim_MaterialTypeDimView

Property name	Property type	Description
AgencyISIL	nvarchar (16)	
BibliographicPostId	bigint	PK – part of combined primary key FK – references BibliographicPostDim.Id
LatestUpdateTime	datetime	
MaterialTypeKey	bigint	PK – part of combined primary key FK – references MaterialTypeDim.MaterialTypeKey

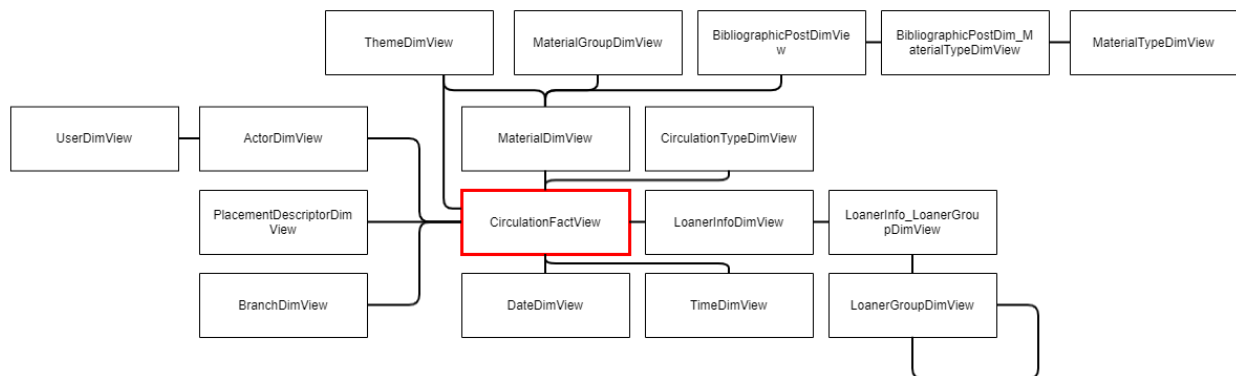
3.6 BranchDimView

Property name	Property type	Description
AgencyISIL	nvarchar (100)	
BranchISIL	nvarchar (16)	
BranchType	nvarchar (50)	

CiceroId	bigint	PK
LatestUpdateTime	datetime	
LibraryType	nvarchar (50)	Type of library. Possible values: <ul style="list-style-type: none"> • PublicLibrary • SchoolLibrary • CombiLibrary • ResearchLibrary • CommonCollection • Archive
Name	nvarchar (100)	
PickupAllowed	bit	
ShortName	nvarchar (100)	

3.7 CirculationFactView

3.7.1 Datamodel



3.7.2 Properties

Property name	Property type	Description
ActorKey	bigint	FK - references ActorDim.ActorKey
AgencyISIL	nvarchar (16)	
CirculationTypeKey	smallint	FK - references CirculationTypeDim.CirculationTypeKey
CreationBranchId	bigint	FK – references BranchDim.CiceroId
DaysLateForReturn	bigint	
Id	bigint	PK
LatestUpdateTime	datetime	
LoanerInfoKey	bigint	FK – references LoanerInfoDim.LoanerInfoKey
LoanId	Bigint	

MaterialActiveThemeId	bigint	Id of the active theme of the material at the checkout time
MaterialDepartmentId	bigint	FK – references PlacementDescriptorDim.CiceroId
MaterialId	bigint	FK – references MaterialDim.CiceroId
MaterialLocationId	bigint	FK – references PlacementDescriptorDim.CiceroId
MaterialSublocationId	bigint	FK – references PlacementDescriptorDim.CiceroId
ReturnDateId	bigint	FK – references DateDim.Id
Time	datetime	
TimeDateId	bigint	FK – references DateDim.Id
TimeTimeId	bigint	FK – references TimeDim.Id

3.8 CirculationTypeDimView

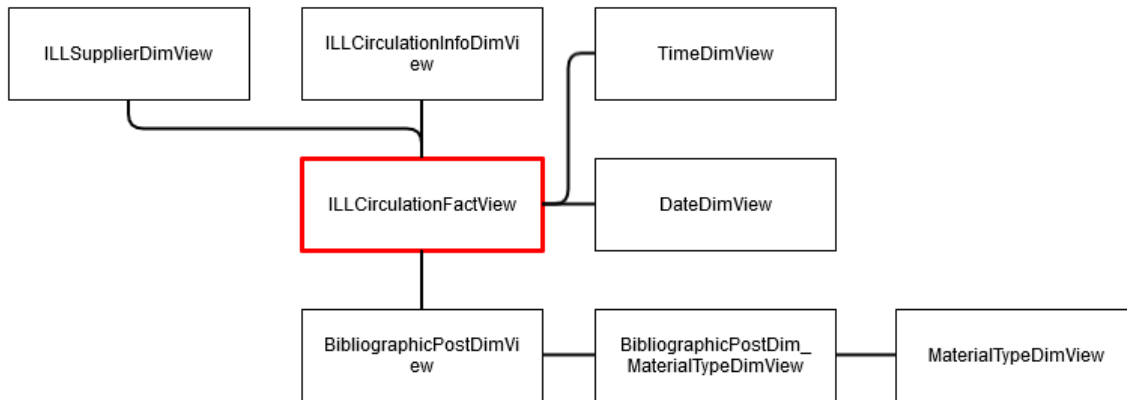
Property name	Property type	Description
CirculationTypeKey	smallint	PK
LatestUpdateTime	datetime	
Name	varchar (10)	Possible values: <ul style="list-style-type: none"> • CHECKOUT • CHECKIN • RENEW

3.9 DateDimView

Property name	Property type	Description
Day	int	
DayOfWeek	int	
FullDate	date	
Id	bigint	PK
LatestUpdateTime	datetime	
Month	int	
Quarter	int	
Year	int	

3.10 ILLCirculationFactView

3.10.1 Datamodel



3.10.2 Properties

Property name	Property type	Description
BibliographicPostId	bigint	FK – references BibliographicPostDim.Id
CiceroId	bigint	PK
CreatedTime	datetime	
CreatedTimeDateId	bigint	FK – references DateDim.Id
CreatedTimeTimeId	bigint	FK – references TimeDim.Id
ILLCirculationInfoKey	smallint	FK – references ILLCirculationInfoDim. ILLCirculationInfoKey
IIIId	bigint	
ILLSupplierId	bigint	FK - references ILLSupplierDim.Id
LatestUpdateTime	datetime	
RequestingAgency	nvarchar (16)	Agency ISIL

3.11 ILLCirculationInfoDimView

Property name	Property type	Description
ILLCirculationInfoKey	smallint	PK
LatestUpdateTime	datetime	
Name	varchar (10)	

3.12 ILLSupplierDimView

Property name	Property type	Description
AgencyISIL	nvarchar (16)	
Id	bigint	PK
LatestUpdateTime	datetime	
SupplierCode	nvarchar (10)	

3.13 LoanerGroupDimView

Property name	Property type	Description
AgencyISIL	nvarchar (16)	
CiceroId	bigint	PK
LatestUpdateTime	datetime	
Name	nvarchar (255)	
ParentId	bigint	FK – references LoanerGroupDim.CiceroId

3.14 LoanerInfo_LoanerGroupDimView

Property name	Property type	Description
AgencyISIL	nvarchar (16)	
LatestUpdateTime	datetime	
LoanerGroupDimId	bigint	PK – part of combined primary key FK – references LoanerGroupDim.CiceroId
LoanerInfoId	bigint	PK – part of combined primary key FK - references LoanerInfoDim.LoanerInfoKey

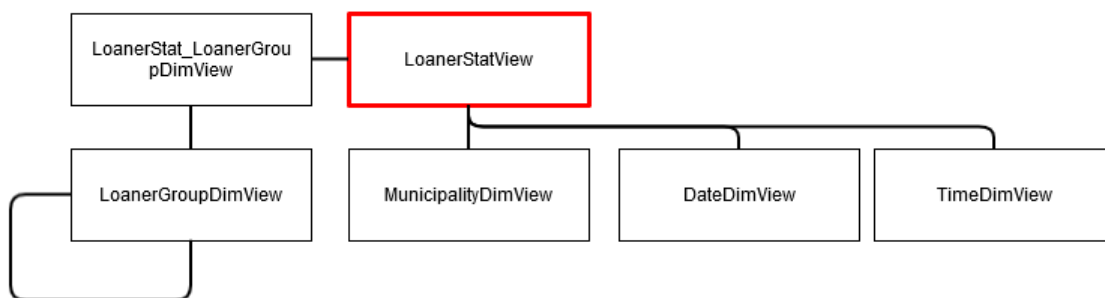
3.15 LoanerInfoDimView

Property name	Property type	Description
AddressDistrict	nvarchar (255)	Name of the loaner’s district
AddressSubdistrict	nvarchar (255)	Name of the loaner’s subdistrict
Age	bigint	

AgencyISIL	nvarchar (16)	
Gender	nvarchar (255)	Gender of loaner. Possible values: <ul style="list-style-type: none"> • MALE • FEMALE • UNKNOWN
LatestUpdateTime	datetime	
LibraryLoanerISIL	nvarchar (16)	
LoanerChecksum	varchar (32)	
LoanerInfoKey	bigint	PK
LoanerType	nvarchar (31)	Type of loaner. Possible values: <ul style="list-style-type: none"> • PERSON • COMPANY • LIBRARY • GROUP
MunicipalityId	bigint	FK – references MunicipalityDim. CiceroId
RecipientCode	nvarchar (10)	
YearOfBirth	int	
ZipCode	nvarchar (255)	

3.16 LoanerStatView

3.16.1 Datamodel



3.16.2 Properties

Property name	Property type	Description
AddressDistrict	nvarchar (255)	Name of the loaner’s district
AddressSubdistrict	nvarchar (255)	Name of the loaner’s subdistrict
AgencyISIL	nvarchar (16)	

AgencyMunicipalityKey	bigint	FK – references MunicipalityDim.CiceroId
BirthDateId	bigint	FK – references DateDim.Id
BorrowerCategory	nvarchar (10)	Borrower Category. Possible values: <ul style="list-style-type: none"> • i • u • b See definition from SLKS.
BorrowerGroup	nvarchar (10)	Borrower Group Possible values: <ul style="list-style-type: none"> • per • aib • aiv • apf • bsko • budd • bfor • bude • bfol • aai See definition from SLKS.
CiceroId	bigint	PK
Gender	nvarchar (255)	Possible values: <ul style="list-style-type: none"> • UNKNOWN • MALE • FEMALE
LatestActivityTime	datetime	
LatestActivityTimeDateId	bigint	FK – references DateDim.Id
LatestActivityTimeTimeId	bigint	FK – references TimeDim.Id
LatestUpdateTime	datetime	
LoanerCreatedTime	datetime	The time the loaner was created
MunicipalityKey	bigint	FK – references MunicipalityDim.CiceroId
PickupBranchId	bigint	FK – references BranchDim.CiceroId

3.17 LoanerStat_LoanerGroupDimView

Property name	Property type	Description
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AgencyISIL	nvarchar (16)	
LatestUpdateTime	datetime	
LoanerGroupDimId	bigint	PK – part of combined primary key FK – references LoanerGroupDim.CiceroId
LoanerStatId	bigint	PK – part of combined primary key FK – references LoanerStat.CiceroId

3.18 MaterialDimView

Property name	Property type	Description
AcquisitionTime	datetime	
AcquisitionTimeDateId	bigint	FK – references DateDim.Id
AcquisitionTimeTimeId	bigint	FK – references TimeDim.Id
AgencyISIL	nvarchar (16)	
AgencyName	nvarchar (100)	
BibliographicPostId	bigint	FK – references BibliographicPostDim.Id
CiceroId	bigint	PK
DiscardTime	datetime	
DiscardTimeDateId	bigint	FK – references DateDim.Id
DiscardTimeTimeId	bigint	FK – references TimeDim.Id
InterLibraryLoanMaterial	bit	
ItemNumber	nvarchar (255)	
LatestUpdateTime	datetime	
LostTime	datetime	
LostTimeDateId	bigint	FK – references DateDim.Id
LostTimeTimeId	bigint	FK – references TimeDim.Id
MaterialGroupId	bigint	FK – references MaterialGroupDim.CiceroId
PeriodicalNumber	nvarchar (50)	
PeriodicalVolume	nvarchar (50)	
PeriodicalYear	nvarchar (50)	
PlacementId	bigint	FK – references PlacementDim.CiceroId
PriceVatIncl	decimal	
State	nvarchar (50)	State of material. Possible values: • AVAILABLE

		<ul style="list-style-type: none"> • LENDOUT • READY_FOR_PICKUP • ORDERED • SENT_FROM_SUPPLIER • LOST • IN_TRANSIT • DISCARDED • NOT_DELIVERED • CLOSED_ILL
SubscriptionId	bigint	FK – references SubscriptionFact.CiceroId
ThemeId	bigint	FK – references ThemeDim.CiceroId

3.19 MaterialGroupDimView

Property name	Property type	Description
AgencyISIL	nvarchar (100)	
CiceroId	bigint	PK
IsBookable	bit	
LatestUpdateTime	datetime	
Name	nvarchar (50)	

3.20 MaterialTypeDimView

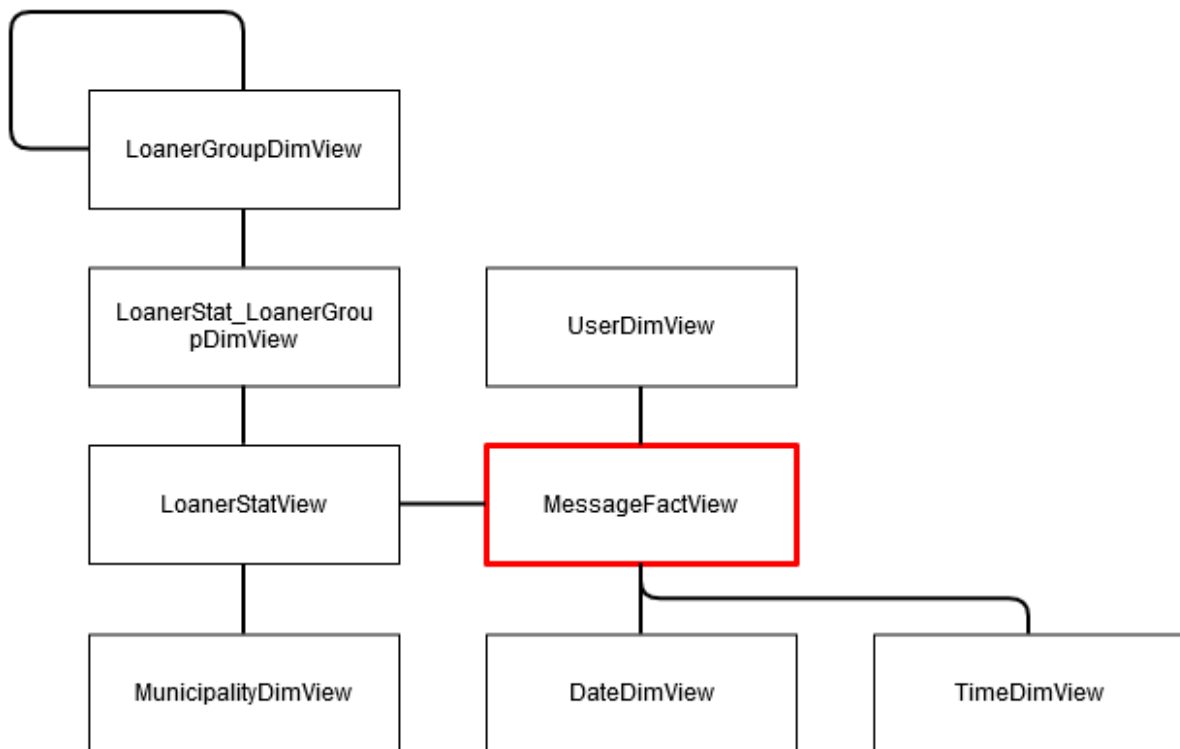
Property name	Property type	Description
DisplayName	nvarchar (255)	
LatestUpdateTime	datetime	
MaterialTypeKey	bigint	PK
TypeName	nvarchar (50)	Type of material Possible values: <ul style="list-style-type: none"> • WATERCOLOR • REVIEW • ARCHITECTURE_DRAWING • ARTICLE • NEWSPAPER • ONLINE_NEWSPAPER • NEWSPAPER_ARTICLE • PICTURE_BOOK • FILMSTRIPS • PICTURE_CARD • TAPESTRY • CINEMA_MOVIES • BLU_RAY • BOOK • BOOK_LARGE_FONT

		<ul style="list-style-type: none"> • TAPE • CD • MUSIC_CD • CD_I • CD_ROM • CD_ROM_MP_3 • DCC_TAPE • SLIDE • FLOPPY_DISK • MISCELLANEOUS • DT_BOOK • DVD • DVD_FILM • DVD_ROM • E_CARD • E_NOTE • E_BOOK • ELECTRONIC_MATERIAL • TOPIC_BOX • FIXED_PLATE • FILM • ONLINE_FILM • FLIPCHART • FLANNEL_MATERIAL • PHOTO • PHOTO_CD • PHOTO_REPRODUCTION • GAME_BOY • GAME_BOY_ADVANCE • OBJECT • GRAPHIC_NOVEL • GRAPHIC_NEWSPAPER • GRAMOPHONE_RECORD • CASSETTE_TAPE • CARD • ART_REPRODUCTION • LABORATORY_MATERIALS • TOY • AUDIOBOOK • AUDIOBOOK_TAPE • AUDBOOK_CD • AUDIOBOOK_ONLINE • AUDIOBOOK_CD_MP3 • SOUNDTRACK • PAINTING • MAT_LEARNING_DEVICE • MICROPROPAGATION • MINI_DISC • ONLINE_MUSIC • MEASURING_DEVICE • ONLINE_DOCUMENT • NINTENDO_DS • NOTE • COMPUTER_GAMES • ONLINE_PC_GAMES
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		<ul style="list-style-type: none"> • WORD_CARDS • ORIGINAL_ART • PERIODICAL • ONLINE_PERIODICAL • POSTER • PLANCHE • PLAYSTATION • PLAYSTATION_2 • PLAYSTATION_3 • PLAYSTATION_4 • PLAYSTATION_VITA • POSTCARD • PSP • BRAILLE • PUZZLES • COMPOSITE_MATERIAL • SONG • SERIES • GAME • REEL_AUDIOTAPE • SYMBOL_CARDS • THEATER_DOLL • THEATER_CONSTRUCTION • CARTOON • DRAWING • TECHNICAL_DRAWING • MAGAZINE • ONLINE_MAGAZINE • MAGAZINE_ARTICLE • TRANSPARENT • EXHIBITION • EXHIBITION_INSTALL • VIDEO • WII • WII_U • XBOX • XBOX_360 • XBOX_ONE • MANIKIN • YEARBOOK
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3.21 MessageFactView

3.21.1 Datamodel



3.21.2 Properties

Property name	Property type	Description
AgencyISIL	nvarchar (16)	
CiceroId	bigint	PK
CreatedByUserKey	bigint	FK – references UserDim.UserKey
CreatedTime	datetime	
CreatedTimeDateId	bigint	FK – references DateDim.Id
CreatedTimeTimeId	bigint	FK – references TimeDim.Id
LatestUpdateTime	datetime	
LoanerId	bigint	FK – references LoanerStat.CiceroId

MessageType	nvarchar (50)	Type of message. Possible values: <ul style="list-style-type: none"> • MATERIALLOAN_RETURN_DATE_APPROACHING • MATERIALLOAN_RETURN_DATE_EXCEEDED • MATERIAL_READY_FOR_PICKUP • MATERIAL_CHECKED_IN • MATERIAL_NOT_DELIVERABLE • RESERVATION_EXPIRED • RESERVATION_EXPIRATION_APPROACHING • RESERVATION_ON_SHELF_EXPIRATION_APPROACHING • RESERVATION_DELETED • MATERIAL_READY_FOR_PICKUP_AT_DESK • MATERIAL_READY_FOR_PICKUP_AT_HALL • BOOKING_DELETED • BOOKING_REJECTED • BOOKING_BEING_FULFILLED • BOOKING_CHANGED_LOANER • CHECKOUT_RECEIPT • BALANCE_STATEMENT • BALANCE_REMINDER_1 • BALANCE_REMINDER_2 • BALANCE_REMINDER_3 • LOANER_CREATED • ILL_RENEW_REJECTED • SMS_PROCESSING_ERROR • SMS_RENEW_RESPONSE • SUPPLIER_AGREEMENT_CREATED
Protocol	nvarchar (50)	Protocol the message was sent through. Possible values: <ul style="list-style-type: none"> • EMAIL • SMS • DIGITAL_POST
Status	nvarchar (50)	Status of message. Possible values: <ul style="list-style-type: none"> • PENDING • SENT • FAILED_RETRYING • FAILED • HANDLED • PROTOCOL_DISABLED

3.22 MunicipalityDimView

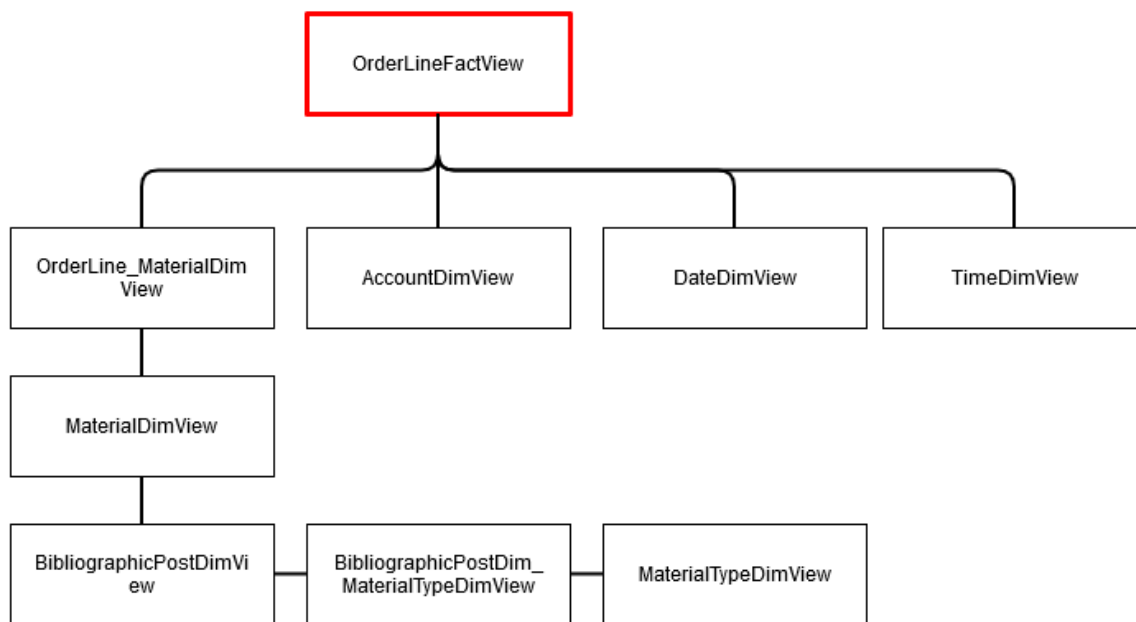
Property name	Property type	Description
AgencyISIL	int	
CiceroId	bigint	PK
municipalityCode	nvarchar (100)	
municipalityName	nvarchar (100)	

3.23 LoanerStat_LoanerGroupDimView

Property name	Property type	Description
AgencyISIL	nvarchar (16)	
LatestUpdateTime	datetime	
MaterialDimId	bigint	PK – part of combined primary key FK – references MaterialDim.CiceroId
OrderLineFactId	bigint	PK – part of combined primary key FK - references OrderLineFact.CiceroId

3.24 OrderLineFactView

3.24.1 Datamodel



3.24.2 Properties

Property name	Property type	Description
AccountId	bigint	FK – references AccountDim.CiceroId
AgencyISIL	nvarchar (16)	
CiceroId	bigint	PK
LatestUpdateTime	datetime	

NumberOfCopies	int	
OrderTime	datetime	
OrderTimeDateId	bigint	FK – references DateDim.Id
OrderTimeTimeId	bigint	FK – references TimeDim.Id
Status	nvarchar (20)	Status of the orderline. Possible values: <ul style="list-style-type: none"> • ORDERED • PARTIALLY_RECEIVED • RECEIVED • SOLD_OUT • NOT_ACQUIRABLE • CANCELLED

3.25 PlacementDescriptorDimView

Property name	Property type	Description
AgencyISIL	nvarchar (16)	
CiceroId	bigint	PK
DeletedDate	date	
DepartmentAffiliation	nvarchar (50)	
LatestUpdateTime	datetime	
Name	nvarchar (100)	
ShortName	nvarchar (100)	
Type	nvarchar (20)	Type of PlacementDescriptor. Possible values: <ul style="list-style-type: none"> • Department • Section • Location • Sublocation

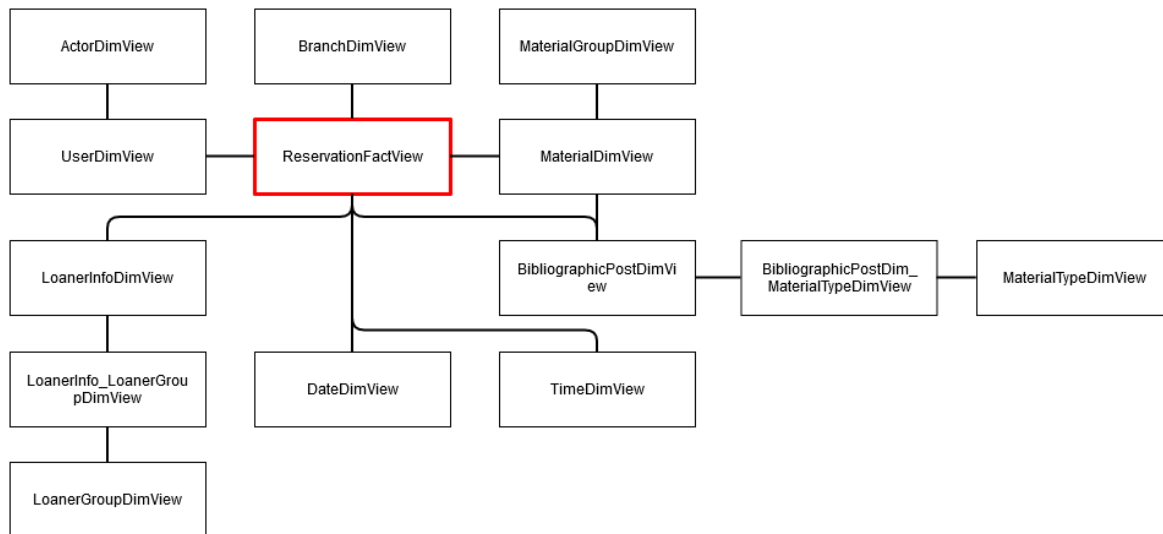
3.26 PlacementDimView

Property name	Property type	Description
AgencyISIL	nvarchar (16)	
BranchId	bigint	FK – references BranchDim.CiceroId
CiceroId	bigint	PK
DepartmentId	bigint	FK – references PlacementDescriptorDim.CiceroId
LatestUpdateTime	datetime	
LocationId	bigint	FK – references PlacementDescriptorDim.CiceroId

SectionId	bigint	FK – references PlacementDescriptorDim.CiceroId
SublocationId	bigint	FK – references PlacementDescriptorDim.CiceroId

3.27 ReservationFactView

3.27.1 Datamodel



3.27.2 Properties

Property name	Property type	Description
AgencyISIL	nvarchar (16)	
BibliographicPostId	bigint	FK – references BibliographicPostDim. Id
CiceroId	bigint	PK
CreatedByUserKey	bigint	FK – references UserDim.UserKey
CreationTime	datetime	
CreationTimeDateId	bigint	FK – references DateDim.Id
CreationTimeTimeId	bigint	FK – references TimeDim.Id
FulfilledLoanId	bigint	Represents the id of the loan
FulfillmentDateId	bigint	FK – references DateDim.Id
IsMaterialAvailableAtCreation	bit	Indicates if a material was available at the time the reservation was created
LatestPickupDateDateId	bigint	FK – references DateDim.Id
LatestUpdateTime	datetime	

LinkedMaterialCheckinBranchId	bigint	FK – references BranchDim.CiceroId
LoanerInfoKey	bigint	FK – references LoanerInfoDim.LoanerInfoKey
MaterialId	bigint	FK – references MaterialDim.CiceroId
PeriodicalNumber	nvarchar (255)	
PeriodicalVolume	nvarchar (255)	
PeriodicalYear	nvarchar (255)	
PickupBranchId	bigint	FK – references BranchDim.CiceroId
ReadyForPickupMaterialId	bigint	FK – references MaterialDim.CiceroId
ReadyForPickupTime	datetime	Time when reservation was put on reservation shelf
ReservationType	nvarchar (50)	
State	nvarchar (50)	<p>Possible values:</p> <p>ACTIVE – reservation is in the queue and active.</p> <p>PASSIVE – For serial reservations, the reservation in the series is waiting for the previous ones to be fulfilled.</p> <p>AT_RESERVATION_SHELF – a material has been found for this reservation, placed on the pickup shelf, and is waiting to be picked up by the patron.</p> <p>IN_TRANSIT – a material has been found for this reservation and is in transit from the branch where it was scanned to the pickup branch of the reservation.</p> <p>FULFILLED – the patron has loaned a material for this reservation, thus fulfilling the reservation.</p> <p>DELETED – reservation is deleted.</p> <p>EXPIRED – the reservation’s date of interest has passed, so the reservation is expired.</p> <p>EXPIRED_READY_FOR_PICKUP – the latest pickup date for a reservation in state AT_RESERVATION_SHELF has</p>

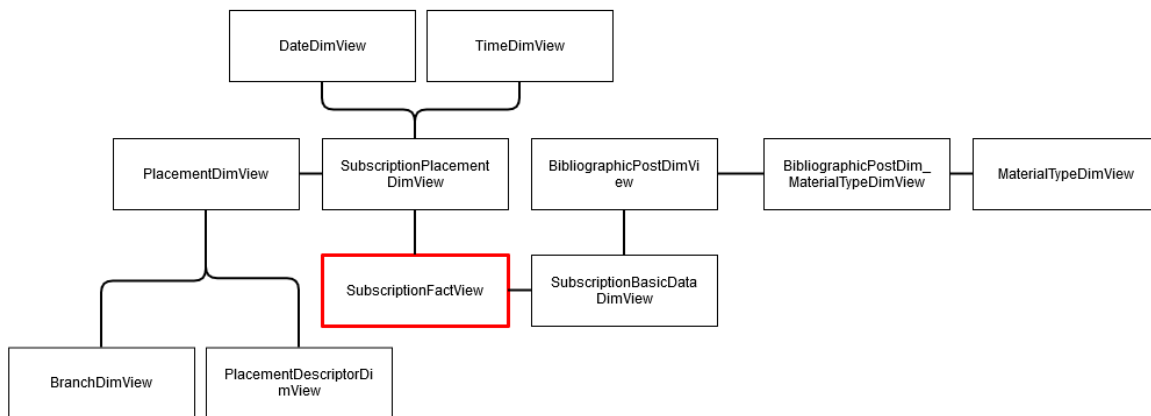
		passed, so the reservation can no longer be picked up by the patron.
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3.28 SubscriptionBasicDataDimView

Property name	Property type	Description
AgencyISIL	nvarchar (16)	
BibliographicPostId	bigint	FK – references BibliographicPostDim. Id
CiceroId	bigint	PK
LatestUpdateTime	datetime	
Type	nvarchar (50)	

3.29 SubscriptionFactView

3.29.1 Datamodel



3.29.2 Properties

Property name	Property type	Description
AgencyISIL	nvarchar (16)	
CiceroId	bigint	PK
DeliveryBranchId	nvarchar (20)	Branch ISIL
LatestUpdateTime	datetime	
NumberOfOrderedMaterials	int	
State	nvarchar (50)	

SubscriptionBasicDataId	bigint	FK – references SubscriptionBasicData.CiceroId
SupplierId	bigint	
SupplierSubscriptionNumber	nvarchar (50)	

3.30 SubscriptionPlacementDimView

Property name	Property type	Description
AgencyISIL	nvarchar (16)	
CiceroId	bigint	PK
CreatedTime	datetime	
CreatedTimeDateId	bigint	FK – references DateDim.Id
CreatedTimeTimeId	bigint	FK – references TimeDim.Id
LatestUpdateTime	datetime	
ModifiedTime	datetime	
ModifiedTimeDateId	bigint	FK – references DateDim.Id
ModifiedTimeTimeId	bigint	FK – references TimeDim.Id
PlacementId	bigint	FK – references PlacementDim.CiceroId
State	nvarchar (50)	
SubscriptionId	bigint	FK – references SubscriptionFact.CiceroId

3.31 ThemeDimView

Property name	Property type	Description
AgencyISIL	nvarchar (16)	
CiceroId	bigint	PK
FromDate	date	
LatestUpdateTime	datetime	
Name	nvarchar (255)	
ToDate	date	

3.32 TimeDimView

Property name	Property type	Description
Hour	int	
Id	bigint	PK

LatestUpdateTime	datetime	
Minute	int	

3.33 UserDimView

Property name	Property type	Description
AgencyISIL	nvarchar (16)	
LatestUpdateTime	datetime	
UserKey	bigint	PK
UserName	nvarchar (255)	

3.34 DeletedEntitiesView

Property name	Property type	Description
AgencyISIL	nvarchar (16)	
DeletedDate	datetime	
DeletedRowId	bigint	Value for PK
DeletedRowIdColumnName	nvarchar (255)	Column name for PK
Id	bigint	
SecondaryDeletedRowId	bigint	Value for PK for composite key
SecondaryDeletedRowIdColumnName	nvarchar (255)	Column name for PK for composite key
TableName	nvarchar (255)	Name of the table from which the entry was deleted.

3.35 TransactionsStatisticsView

Property name	Property type	Description
Action	nvarchar (20)	Type of action the entry represents. Possible values: <ul style="list-style-type: none"> • CHECKOUT • CHECKIN • RENEW
AgencyId	nvarchar (16)	
BranchId	nvarchar (16)	
CiceroId	bigint	

FaustNumber	nvarchar (50)	Logical reference to bibliographic record
LatestUpdateTime	datetime	
LoanId	bigint	
LoanerCPR	nvarchar (10)	
MunicipalityCode	int	
TransactionTime	datetime	Time of transaction.
UniLoginIdentifier	nvarchar (255)	

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