

Visma eAccounting API Data Model

for use with Invantive SQL

24.0



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This manual is a reference guide intended to clarify usage. If data in the sample images match data in your system, the similarity is coincidental.

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1 Provider VismaEAccounting: Visma eAccounting.

Visma eAccounting.

Code for use in settings.xml: VismaEAccounting

Alias: eaccounting

Status: Production

Available in Editions: Paid

Updated: 04-04-2019 0:23: using Invantive SQL version 17.31.57-BETA+1994.

Technical Documentation: https://developer.vismaonline.com/docs

Provider Attributes

The following provider attributes are available for VismaEAccounting:

Code	Description	Default Value	Set from Connection String	Set from Set SQL-Statement	Set from Providers File
api-client-id	The client ID is a unique identifier of your application. It is generated by registering an application.		✓		✓
api-client-secret	The client secret is to be kept confidential. Such as a password for a logon code, the client secret is the confidential part of an app identified by a client ID. It is needed during the OAuth2 Code Grant Flow together with the refresh token to get access.	***	✓		✓
api-redirect-url	The redirect URI is the website a browser session is redirected to after the OAuth2 authentication process has been completed.		✓		✓
api-refresh-token	Refresh Token is a security token for the OAuth2 Code Grant Flow. With a Refresh Token and client secret you can retrieve a renewed access token to access protected resources. A Refresh Token and client secret must be stored securely since once compromised allows access to your protected resources.	***	✓		✓
api-url	URL to access the API.		✓		✓
download-error-internet-down-max-tries	Maximum number of tries when the Internet connection seems down during retrieval of data.		✓	✓	✓
download-error-internet-down-sleep-initial-ms	Initial sleep in milliseconds between retries when the Internet connection seems down during retrieval of data.		✓	✓	✓
download-error-internet-down-sleep-max-ms	Maximum sleep in milliseconds between retries when the Internet connection seems down during retrieval of data.		✓	✓	✓
download-error-internet-down-sleep-multiplicator	Multiplication factor for sleep between retries when the Internet connection seems down during retrieval of data.		✓	✓	✓
force-case-sensitive-identifiers	Consider identifiers as case-sensitive independent of the platform capabilities.	False	✓	✓	✓

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Code	Description	Default Value	Set from Connection String	Set from Set SQL-Statement	Set from Providers File
forced-casing-identifiers	Forced casing of identifiers. Choose from Unset, Lower, Upper and Mixed.		✓	✓	✓
http-disk-cache-compression-level	Compression level for the HTTP disk cache, ranging from 1 (little) to 9 (intense). Default is 5.	5	✓	✓	✓
http-disk-cache-directory	Directory where HTTP cache is stored.	C:\Users\gle3\Invantive\Cache	✓	✓	✓
http-disk-cache-max-age-sec	Maximum acceptable age in seconds for use of data in the HTTP disk cache.	2592000	✓	✓	✓
http-get-timeout-ms	HTTP GET timeout (ms).	300000	✓	✓	✓
http-memory-cache-compression-level	Compression level for the HTTP memory cache, ranging from 1 (little) to 9 (intense). Default is 5.	5	✓	✓	✓
http-memory-cache-max-age-sec	Maximum acceptable age in seconds for use of data in the HTTP memory cache.	14400	✓	✓	✓
http-post-timeout-ms	HTTP POST timeout (ms).	300000	✓	✓	✓
ignore-http-400-errors	Ignore HTTP 400 errors when exchanging results with the OData endpoint.	False	✓	✓	✓
ignore-http-403-errors	Ignore HTTP 403 errors when exchanging results with the OData endpoint.	False	✓	✓	✓
ignore-http-429-errors	Ignore HTTP 429 errors when exchanging results with the OData endpoint.	False	✓	✓	✓
ignore-http-500-errors	Ignore HTTP 500 errors when exchanging results with the OData endpoint.	False	✓	✓	✓
invantive-sql-forward-filters-to-data-containers	Whether to forward filters to data containers.	True	✓	✓	✓
invantive-sql-shuffle-fetch-results-data-containers	Whether to shuffle results fetched from data containers.	False	✓	✓	✓
invantive-use-cache	Whether to cache the results of a query.	True	✓	✓	✓
join-set-points-per-request	Maximum number of values in a request when executing a join set.	60	✓	✓	✓
maximum-length-identifiers	Non-default maximum length in characters of identifier names.		✓	✓	✓
partition-slot-based-rate-limit-length-ms	Length in ms of a partition-based rate limit across all slots.	60000	✓		✓
partition-slot-based-rate-limit-slots	Number of slots per partition-based rate limit. Null means no slot-based rate limit		✓		✓
pre-request-delay-ms	Pre-request delay in milliseconds per request.	0	✓	✓	✓
requests-parallel-max	Maximum number of parallel data requests from individual partitions on the data container.	32	✓	✓	✓
slot-based-rate-limit-length-ms	Length in ms of a slot-based rate limit across all slots.	61000	✓		✓
slot-based-rate-limit-slots	Number of slots of a slot-based rate limit. Null means no slot-based rate limit	600	✓		✓

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Code	Description	Default Value	Set from Connection String	Set from Set SQL-Statement	Set from Providers File
standardize-identifiers	Rewrite all identifiers to the preferred standards as configured by standardize-identifiers-casing and maximum-length-identifiers.	True	✓	✓	✓
standardize-identifiers-casing	Rewrite all identifiers to the recommended standard platform-specific casing when changing a data model on a case-dependent platform.	True	✓	✓	✓
trace-native-calls	Trace native calls to data container backend.	False	✓	✓	✓
use-http-disk-cache-read	Whether to use HTTP responses from previous queries stored on disk to answer the current query.	True	✓	✓	✓
use-http-disk-cache-write	Whether to memorize HTTP responses on disk.	True	✓	✓	✓
use-http-memory-cache-read	Whether to use HTTP responses from previous queries stored in memory that can answer the current query.	True	✓	✓	✓
use-http-memory-cache-write	Whether to memorize HTTP responses from previous queries for use by future queries.	True	✓	✓	✓
use-test-environment	Use the test environment. If false or null, the production environment will be used.	False	✓		✓

2 Catalog: VismaEAccounting

2.1 Schemas

2.1.1 Schema: V2

2.1.1.1 Tables

AccountBalanceByAccountAndDate: itgen_vea_account_balance_by_account_number_and_date

Name: AccountBalanceByAccountAndDate

Catalog: VismaEAccounting

Schema: V2

Label: itgen_vea_account_balance_by_account_number_and_date

Parameters

Name	Data Type	Required	Default Value	Documentation
accountNumber	int32	☑		
date	datetime	☑		

Table Columns

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Name	Data Type	Label	Required	Documentation
AccountName	string	itgen_vea_accountname	☑	
AccountNumber	int32	itgen_vea_accountnumber	☑	
Balance	decimal	itgen_vea_balance	☑	

AccountBalanceByDate: itgen_vea_account_balance_by_date

Name: AccountBalanceByDate

Catalog: VismaEAccounting

Schema: V2

Label: itgen_vea_account_balance_by_date

Parameters

Name	Data Type	Required	Default Value	Documentation
date	datetime	☑		

Table Columns

Name	Data Type	Label	Required	Documentation
AccountName	string	itgen_vea_accountname	☑	
AccountNumber	int32	itgen_vea_accountnumber	☑	
Balance	decimal	itgen_vea_balance	☑	

AccountsByFiscalYear: General Ledger Accounts by Fiscal Year

Name: AccountsByFiscalYear

Catalog: VismaEAccounting

Schema: V2

Label: General Ledger Accounts by Fiscal Year

Parameters

Name	Data Type	Required	Default Value	Documentation
fiscalYearId	guid	☑		

Table Columns

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Name	Data Type	Label	Required	Documentation
FiscalYearId	string	itgen_vea_fiscalyearid	☑	
IsActive	boolean	Is Active	☑	
IsBlockedForManualBooking	boolean	itgen_vea_isblockedformanualbooking	☑	
IsCostCenterAllowed	boolean	itgen_vea_iscostcenterallowed	☑	
IsProjectAllowed	boolean	itgen_vea_isprojectallowed	☑	
ModifiedUtc	string	itgen_vea_modifiedutc	☑	
Name	string	Name	☑	
Number	string	Number	☑	
ReferenceCode	string	itgen_vea_referencecode	☐	
Type	int32	itgen_vea_type	☑	
TypeDescription	string	itgen_vea_typedescription	☑	
VatCodeDescription	string	itgen_vea_vatcodedescription	☐	
VatCodeId	string	itgen_vea_vatcodeid	☐	

AccountTypes: itgen_vea_account_types

Name: AccountTypes

Catalog: VismaEAccounting

Schema: V2

Label: itgen_vea_account_types

Table Columns

Name	Data Type	Label	Required	Documentation
Type	int32	itgen_vea_type	☑	
TypeDescription	string	itgen_vea_typedescription	☑	

AllocationPeriodById: itgen_vea_allocation_period_by_id

Name: AllocationPeriodById

Catalog: VismaEAccounting

Schema: V2

Label: itgen_vea_allocation_period_by_id

Parameters

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Name	Data Type	Required	Default Value	Documentation
allocationPeriodId	guid	☑		

Table Columns

Name	Data Type	Label	Required	Documentation
FiscalYearId	string	itgen_vea_fiscalyearid	☑	
IsActive	boolean	Is Active	☑	
IsBlockedForManualBooking	boolean	itgen_vea_isblockedformanualbooking	☑	
IsCostCenterAllowed	boolean	itgen_vea_iscostcenterallowed	☑	
IsProjectAllowed	boolean	itgen_vea_isprojectallowed	☑	
ModifiedUtc	string	itgen_vea_modifiedutc	☑	
Name	string	Name	☑	
Number	string	Number	☑	
ReferenceCode	string	itgen_vea_referencecode	☐	
Type	int32	itgen_vea_type	☑	
TypeDescription	string	itgen_vea_typedescription	☑	
VatCodeDescription	string	itgen_vea_vatcodedescription	☐	
VatCodeId	string	itgen_vea_vatcodeid	☐	

AllocationPeriods: itgen_vea_allocation_periods

Name: AllocationPeriods

Catalog: VismaEAccounting

Schema: V2

Label: itgen_vea_allocation_periods

Table Columns

Name	Data Type	Label	Required	Documentation
AllocationPeriodSourceType	int32	itgen_vea_allocationperiodsourcetype	☑	0: SupplierInvoice, 1: ManualVoucher.
Amount	decimal	itgen_vea_amount	☐	
BookkeepingDate	string	itgen_vea_bookkeepingdate	☐	
CostCenterItemId1	string	itgen_vea_costcenteritemid1	☐	
CostCenterItemId2	string	itgen_vea_costcenteritemid2	☐	

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Name	Data Type	Label	Required	Documentation
CostCenterItemId3	string	itgen_vea_costcenteritemid3	☐	
CreatedUtc	string	itgen_vea_createdutc	☐	
CreditAccountNumber	int32	itgen_vea_creditaccountnumber	☐	
DebitAccountNumber	int32	itgen_vea_debitaccountnumber	☐	
Id	string	ID	☑	
ManualVoucherId	string	itgen_vea_manualvoucherid	☐	
ManualVoucherRow	int32	itgen_vea_manualvoucherrow	☐	
ProjectId	string	itgen_vea_projectid	☐	
Status	int32	itgen_vea_status	☑	0: Pending, 1: Revoked, 2: Booked.
SupplierInvoiceId	string	itgen_vea_supplierinvoiceid	☐	
SupplierInvoiceRow	int32	itgen_vea_supplierinvoicerow	☐	

Articles: Articles

Name: Articles

Catalog: VismaEAccounting

Schema: V2

Label: Articles

Table Columns

Name	Data Type	Label	Required	Documentation
ChangedUtc	string	itgen_vea_changedutc	☐	
CodingId	string	itgen_vea_codingid	☐	Reference to Article Account Codings.
CodingName	string	itgen_vea_codingname	☐	
GrossPrice	decimal	itgen_vea_grossprice	☐	
HouseWorkType	int32	itgen_vea_housework type	☐	
Id	string	ID	☑	Unique Id provided by eAccounting.
IsActive	boolean	Is Active	☑	
Name	string(50)	Name	☑	
NameEnglish	string(50)	itgen_vea_nameenglish	☐	
NetPrice	decimal	Net Price	☐	
Number	string(40)	Number	☑	

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Name	Data Type	Label	Required	Documentation
PurchasePrice	decimal	Purchase Price	☐	
PurchasePriceManuallyChangedUtc	string	itgen_vea_purchasepricemanuallychangedutc	☐	
SendToWebshop	boolean	itgen_vea_sendtowebshop	☐	
StockBalance	decimal	itgen_vea_stockbalance	☐	
StockBalanceAvailable	decimal	itgen_vea_stockbalanceavailable	☐	
StockBalanceManuallyChangedUtc	string	itgen_vea_stockbalancemanuallychangedutc	☐	Set when the stock balance is changed manually.
StockBalanceReserved	decimal	itgen_vea_stockbalancereserved	☐	
UnitAbbreviation	string	Unit Abbreviation	☐	
UnitId	string	Unit ID	☐	
UnitName	string	Unit Name	☐	Unit name entered from UnitId.
UsesMoss	boolean	itgen_vea_usesmoss	☐	

FiscalYears: Fiscal Years

Name: FiscalYears

Catalog: VismaEAccounting

Schema: V2

Primary Keys: Id

Label: Fiscal Years

Table Columns

Name	Data Type	Label	Required	Documentation
BookkeepingMethod	int32	itgen_vea_bookkeepingmethod	☑	
EndDate	string	itgen_vea_enddate	☑	
Id	string	ID	☑	
IsLockedForAccounting	boolean	itgen_vea_islockedforaccounting	☑	
StartDate	string	itgen_vea_startdate	☑	

StandardAccounts: itgen_vea_standard_accounts

Name: StandardAccounts

Catalog: VismaEAccounting

Schema: V2

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Label: itgen_vea_standard_accounts

Table Columns

Name	Data Type	Label	Required	Documentation
AccountNumber	int32	itgen_vea_accountnumber	☑	
AccountType	string	itgen_vea_accounttype	☑	

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