

PostgreSQL Data Model

for use with Invantive SQL

24.0



invantive
the SQL company

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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 PostgreSql: PostgreSQL.

PostgreSQL.

Code for use in settings.xml: PostgreSql

Alias: pg

Status: Production

Available in Editions: Paid

Additional Driver to install: https://support.invantive.com/download-driver-postgresql

Provider Attributes

The following provider attributes are available for PostgreSql:

Code	Description	Default Value	Set from Connection String	Set from Set SQL-Statement	Set from Providers File
bulk-insert-page-size-rows	Number of rows to insert per page when bulk inserting	1000	✓	✓	✓
command-timeout-sec	Number of seconds after which a command times out.		✓	✓	✓
database	Database to open when connecting.		✓	✓	✓
force-case-sensitive-identifiers	Consider identifiers as case-sensitive independent of the platform capabilities.	False	✓	✓	✓
forced-casing-identifiers	Forced casing of identifiers. Choose from Unset, Lower, Upper and Mixed.		✓	✓	✓
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	✓	✓	✓
maximum-length-identifiers	Non-default maximum length in characters of identifier names.		✓	✓	✓
maximum-number-of-pooled-connections	Maximum number of concurrent pooled connections.		✓	✓	✓
maximum-sleep-acquire-pooled-connection-ms	Maximum time in ms to wait for acquiring a free connection from a pool of connections.	30000	✓	✓	✓
maximum-sleep-acquire-unpooled-connection-ms	Maximum time in ms to wait for acquire a free connection when there is no connection pooling.	60000	✓	✓	✓
npgsql-log	Whether to log messages of the npgsql provider	False	✓	✓	✓
preferred-number-of-pooled-connections	Preferred number of concurrent pooled connections.		✓	✓	✓
prefix-bind-variable-in-list	Prefix for bind variables used in an IN-list	i	✓	✓	✓
prefix-bind-variable-normal	Prefix for bind variables used in all cases except in an IN-list	w	✓	✓	✓
prefix-renamed-columns	Prefix appended to columns whose names occur multiple times in the column list of a	column	✓	✓	✓

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Code	Description	Default Value	Set from Connection String	Set from Set SQL-Statement	Set from Providers File
	query				
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.	60000	✓		✓
slot-based-rate-limit-slots	Number of slots of a slot-based rate limit. Null means no slot-based rate limit		✓		✓
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	✓	✓	✓

2 Catalog: Database

2.1 Schemas

2.1.1 Schema: Invantive

2.1.1.1 Tables

PooledConnections: Pooled Connections

Catalog: Database

Schema: Invantive

Label: Pooled Connections

Table Columns

Name	Data Type	Label	Nullable	Documentation
COUNT_TIMES_USED	int32	Number of Times Used		
CREATED	datetime	Date Created		
CURRENT_CONTEXT_DESCRIPTION	string(240)	Current Context Description		
CURRENT_CONTEXT_NATURAL_KEY	string(240)	Current Context Natural Key		
CURRENT_CONTEXT_USER_LOG_ON_CODE	string(240)	Current Context User Log On Code		
DATABASE	string(240)	Database		
DURATION_USED_MS	int32	Duration Used (ms)		
ID	int32	ID		
IS_FREE	boolean	Is Free		

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Name	Data Type	Label	Nullable	Documentation
LAST_USE_DURATION_MS	int32	Last Use Duration (ms)		
LAST_USE_END	datetime	Last Use End		
LAST_USE_START	datetime	Last Use Start		
PREVIOUS_CONTEXT_DESCRIPTIONS	string(240)	Previous Context Descriptions		

2.1.2 Schema: Native

2.1.2.1 Tables

NativePlatformScalarRequests: Native Platform Scalar Requests

Catalog: Database

Schema: Native

Label: Native Platform Scalar Requests

Table Columns

Name	Data Type	Label	Nullable	Documentation
CONTENT_TYPE	string(240)	itgen_content_type	☑	
DATE_ENDED	datetime	itgen_end_date	☐	
DATE_STARTED	datetime	Start Date	☐	
DRY_RUN	boolean	Run without Actions	☐	
ERROR_MESSAGE_CODE	string(30)	Error Message Code	☑	
ERROR_MESSAGE_TEXT	string(4000)	Error Message Text	☑	
HTTP_DISK_CACHE_MAX_AGE_SEC	int32	HTTP Disk Cache Maximum Age (sec)	☑	Maximum age in seconds of HTTPdisk cache entries to be used.
HTTP_DISK_CACHE_SAVE	boolean	Save HTTP Disk Cache	☑	Whether results can be stored in HTTP disk cache.
HTTP_DISK_CACHE_USE	boolean	Use HTTP Disk Cache	☑	Whether results can be fetched from HTTP disk cache.
HTTP_MEMORY_CACHE_MAX_AGE_SEC	int32	HTTP Memory Cache Maximum Age (sec)	☑	Maximum age in seconds of HTTP memory cache entries to be used.
HTTP_MEMORY_CACHE_SAVE	boolean	Save HTTP Memory Cache	☑	Whether results can be stored in HTTP memory cache.
HTTP_MEMORY_CACHE_USE	boolean	Use HTTP Memory Cache	☑	Whether results can be fetched from HTTP memory cache.
ORIG_SYSTEM_GROUP	string(4000)	Original System Group	☑	
ORIG_SYSTEM_REFERENCE	string(4000)	Original System Reference	☑	
PAYLOAD_TEXT	string	Payload	☑	
RESULT	string(4000)	Result	☑	
SUCCESSFUL	boolean	Succesful	☐	
TIMEOUT_SEC	int32	Timeout (sec)	☑	Timeout in seconds.

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Name	Data Type	Label	Nullable	Documentation
TRANSACTION_ID	int32	Transaction ID	☐	Incrementing ID of the transaction.
URL	string(4000)	URL	☑	

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