

Knack API Data Model

for use with Invantive SQL



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1 SQL Driver for Knack API

Invantive SQL is the fastest, easiest and most reliable way to exchange data with the Knack API.

Use the "Search" option in the left menu to search for a specific term such as the table or column description. When you already know the term, please use the "Index" option. When you can't find the information needed, please click on the Chat button at the bottom or place your question in the [user community](#). Other users or Invantive Support will try to help you to our best.

Knack is a low-code platform to build online databases.

The Knack driver covers 39 tables and 751 columns.

Knack API Clients

Invantive SQL is available on many user interfaces ("clients" in traditional server-client paradigm). All Invantive SQL statements can be exchanged with a close to 100% compatibility across all clients and operating systems (Windows, MacOS, Linux, iOS, Android).

The clients include Microsoft Excel, Microsoft Power BI, Microsoft Power Query, Microsoft Word and Microsoft Outlook. Web-based clients include Invantive Cloud, Invantive Bridge Online as OData proxy, Invantive App Online for interactive apps, Online SQL Editor for query execution and Invantive Data Access Point as extended proxy.

The [Knack Power BI connector](#) is based on the Invantive SQL driver for Knack, completed by a high-performance OData connector which works straight on Power BI without any add-on. The OData protocol is always version 4, independent whether the backing platform uses OData, SOAP or another protocol.

For technical users there are command-line editions of Invantive Data Hub running on iOS, Android, Windows, MacOS and Linux. Invantive Data Hub is also often used for enterprise server applications such as ETL. High-volume replication of data taken from the Knack API into traditional databases such as SQL Server (on-premise and Azure), MySQL, PostgreSQL and Oracle is possible using [Invantive Data Replicator](#). Invantive Data Replicator automatically creates and maintains Knack datawarehouses, possibly in combination with data from over 70 other (cloud) platforms. Data Replicator supports data volumes up to over 1 TB and over 5.000 companies. The on-premise edition of Invantive Bridge offers an Knack ADO.net provider.

Finally, online web apps can be build for Knack using App Online of [Invantive Cloud](#).

Monitor API Calls

When a query or DML-statement has been executed on Invantive SQL a developer can evaluate the actual calls made to the Knack API using a query on sessionios@DataDictionary. As an alternative, extensive request and response logging can be enabled by setting log-native-calls-to-disk to true. In the %USERPROFILE%\Invantive\NativeLog folder Invantive SQL will create log files per API request and response.

Specifications

The SQL driver for Knack does not support partitioning. Define one data container in a database for each company in Knack to enable parallel access for data from multiple companies.

An introduction into the concepts of Invantive SQL such as databases, data containers and partitioning can be found in the [Invantive SQL grammar](#).

The configuration can be changed using various attributes during log on and use. A full list of configuration options is listed in the [driver attributes](#).

The catalog name is used to compose the full qualified name of an object like a table or view. The schema name is used to compose the full qualified name of an object like a table or view. On Knack the comparison of two texts is case sensitive by default.

Changes and bug fixes on the Knack SQL driver can be found in the [release notes](#). Get access to the Knack community through the [Knack section](#) of the Invantive forums.

Driver code for use in settings.xml: Knack

Alias: knack

Recommended alias: knk

More technical documentation as provided by the supplier of the Knack API on the native API-connection used can be found at <https://www.knack.com/developer-documentation>.

Authentication
Authentication can be done using one of the following two alternatives:
1. Using the user log on code and password to access Knack views.
2. Using an API key to access Knack objects. The API key can be found on the 'API & Code' page in Knack available through the settings gear on the top-left corner next to the word 'Integration'. The URL for the API key is <https://builder.knack.com/SAMPLE/integration#settings/api>, with 'SAMPLE' replaced by your slug. The slug is the word before 'knack.com' when running your app.

Usage Limits
Invantive SQL executes API calls to retrieve and upload data. The number of API calls allowed per hour depends on your Knack plan. The default usage limits vary depending on plan between 1.000 and 25.000 calls per day, with a limit of 10 calls per second. Invantive SQL ensures that within your session the number of calls allowed per hour is not exceeded. To get an impression of how Invantive SQL translates into API calls, please query the data dictionary view 'sessionios', such as with 'select * from sessionios@datadictionary'.

Updated: 16-06-2022 09:35 using Invantive SQL version 22.1.46-BETA+3385.

2 SQL Driver Attributes for Knack API

The SQL driver for Knack has many attributes that can be finetuned to improve handling in scenarios with unreliable network connections to the API server of Knack or high-volumes of data. Also, many drivers have driver-specific attributes to finetune actual behaviour or handle data not matching specifications.

The Knack driver attributes are assigned a default value which seldom requires change. However, changes can be applied when needed on four levels, which are reflected in the table below by separate checkmarks:

- Connection string: the connection string from the settings*.xml file and applied during log on.
- Set SQL statement: a set SQL-statement to be executed once connection has been established.
- Drivers file: the providers.xml file (obsolete starting release 17.32).
- Log on: value to be specified interactively by user during log on in a user interface.

The connection string for Knack can be found in the settings*.xml file used for the database. Settings*.xml files are typically located in the %USERPROFILE%\invantive folder in most deployment scenarios. The reference manuals contain instructions how to relocate the settings*.xml files. Each data container of a database in the connection string can have a con-

nectionString element specifying the name and values of attributes. Both name and value must be properly escaped according to XML-semantics. Actual application of the value is solely done during log on. A new connection must be established to change the value of a driver attribute using a connection string.

The set SQL statement can be executed after log on. The syntax is: `set NAME VALUE`, or for a distributed database: `set NAME@ALIAS VALUE`. In some scenarios you may need to enclose the driver attribute name in square brackets to escape it from parsing, for instance when a reserved SQL keyword is part of the name. The new value takes effect straight after execution of the set-statement. The set-statement can be executed as often as needed during a session.

Driver attributes that can be interactively set to a value are typically presented in the log on window. Depending on the platform and design decisions of the user interface designer, some or all of the available driver attributes can have been made available.

The Knack driver can be configured using the following attributes:

Code	Description	Origin	Default Value	Set from Connection String	Set from Set SQL-Statement	Set from Drivers File	Set from Log On
add-odata-mandatory-filters	Whether to automatically add OData filters deemed necessary by the platform.	OData	False	✓	✓	✓	
analysis-enforce-row-uniqueness	Use for analysis only! Enforce rows to be unique.	Shared	False	✓	✓	✓	
api-key	{res:itgen_knack_api_key_description}	Knack		✓		✓	✓
api-url	URL to access the API.	OData		✓		✓	
application-id	{res:itgen_knack_application_id_description}	Knack		✓		✓	✓
bulk-delete-page-size-rows	Number of rows to delete per batch when bulk deleting	Shared	10000	✓	✓	✓	
bulk-insert-page-size-bytes	Approximate maximum size in bytes of batch when bulk inserting	Shared	10000000	✓	✓	✓	
bulk-insert-page-size-rows	Number of rows to insert per batch when bulk inserting	Shared	250	✓	✓	✓	
dow nload-error-400-bad-request-max-tries	Maximum number of tries when OData server reports bad format during retrieval of data.		3	✓	✓	✓	
dow nload-error-400-bad-request-sleep-initial-ms	Initial sleep in milliseconds between retries when OData server reports that the API server is unavailable during retrieval of data.		500	✓	✓	✓	
dow nload-error-400-bad-request-sleep-max-ms	Maximum sleep in milliseconds between retries when OData server reports that the API server is unavailable during retrieval of data.		5000	✓	✓	✓	
dow nload-error-400-bad-request-sleep-multiplicator	Multiplication factor for sleep between retries OData server reports that the API server is unavailable during retrieval of data.		2	✓	✓	✓	

Code	Description	Origin	Default Value	Set from Connection String	Set from SQL-Statement	Set from Drivers File	Set from Log On
dow nload-error-408-request-timeout-max-tries	Maximum number of tries when the website reports a HTTP status 408.		10	✓	✓	✓	
dow nload-error-408-request-timeout-sleep-initial-ms	Initial sleep in milliseconds between retries when the website reports a HTTP status 408.		10000	✓	✓	✓	
dow nload-error-408-request-timeout-sleep-max-ms	Maximum sleep in milliseconds between retries when the website reports a HTTP status 408.		300000	✓	✓	✓	
dow nload-error-408-request-timeout-sleep-multiplicator	Multiplication factor for sleep between retries when the website reports a HTTP status 408.		2	✓	✓	✓	
dow nload-error-422-bad-request-max-tries	Maximum number of tries when OData server reports unprocessable entity during retrieval of data.		30	✓	✓	✓	
dow nload-error-422-bad-request-sleep-initial-ms	Initial sleep in milliseconds between retries when OData server reports unprocessable entity during retrieval of data.		10000	✓	✓	✓	
dow nload-error-422-bad-request-sleep-max-ms	Maximum sleep in milliseconds between retries when OData server reports unprocessable entity during retrieval of data.		300000	✓	✓	✓	
dow nload-error-422-bad-request-sleep-multiplicator	Multiplication factor for sleep between retries OData server reports unprocessable entity during retrieval of data.		2	✓	✓	✓	
dow nload-error-429-too-many-requests-max-tries	Maximum number of tries when the website reports that too many requests have been made during a timeslot of one minute or one day.		10	✓	✓	✓	
dow nload-error-429-too-many-requests-sleep-initial-ms	Initial sleep in milliseconds between retries when the website reports that too many requests have been made during a timeslot of one minute or one day.		10000	✓	✓	✓	
dow nload-error-429-too-many-requests-sleep-max-ms	Maximum sleep in milliseconds between retries when the website reports that too many requests have been made during a timeslot of one minute or one day.		300000	✓	✓	✓	
dow nload-error-429-too-many-requests-sleep-multiplicator	Multiplication factor for sleep between retries when the website reports that too many requests have been made during a timeslot of one minute or one day.		2	✓	✓	✓	
dow nload-error-502-server-unavailable-max-tries	Maximum number of tries when OData server reports a bad gateway during retrieval of data.		30	✓	✓	✓	
dow nload-error-502-server-unavail-	Initial sleep in milliseconds between retries when OData server reports a		10000	✓	✓	✓	

Code	Description	Origin	Default Value	Set from Connection String	Set from Set SQL-Statement	Set from Drivers File	Set from Log On
dow-nload-error-502-server-unavailable-sleep-initial-ms	bad gateway during retrieval of data.						
dow-nload-error-502-server-unavailable-sleep-max-ms	Maximum sleep in milliseconds between retries when OData server reports that a bad gateway during retrieval of data.		300000	✓	✓	✓	
dow-nload-error-502-server-unavailable-sleep-multiplicator	Multiplication factor for sleep between retries OData server reports a bad gateway during retrieval of data.		2	✓	✓	✓	
dow-nload-error-503-server-unavailable-max-tries	Maximum number of tries when OData server reports that the API server is unavailable during retrieval of data.		30	✓	✓	✓	
dow-nload-error-503-server-unavailable-sleep-initial-ms	Initial sleep in milliseconds between retries when OData server reports that the API server is unavailable during retrieval of data.		10000	✓	✓	✓	
dow-nload-error-503-server-unavailable-sleep-max-ms	Maximum sleep in milliseconds between retries when OData server reports that the API server is unavailable during retrieval of data.		300000	✓	✓	✓	
dow-nload-error-503-server-unavailable-sleep-multiplicator	Multiplication factor for sleep between retries OData server reports that the API server is unavailable during retrieval of data.		2	✓	✓	✓	
dow-nload-error-504-gateway-timeout-max-tries	Maximum number of tries when the website reports a gateway timeout.		10	✓	✓	✓	
dow-nload-error-504-gateway-timeout-sleep-initial-ms	Initial sleep in milliseconds between retries when the website reports a gateway timeout.		10000	✓	✓	✓	
dow-nload-error-504-gateway-timeout-sleep-max-ms	Maximum sleep in milliseconds between retries when the website reports a gateway timeout.		300000	✓	✓	✓	
dow-nload-error-504-gateway-timeout-sleep-multiplicator	Multiplication factor for sleep between retries when the website reports a gateway timeout.		2	✓	✓	✓	
dow-nload-error-590-network-connect-timeout-max-tries	Maximum number of tries when the website reports a HTTP status 590.		10	✓	✓	✓	
dow-nload-error-590-network-connect-timeout-sleep-initial-ms	Initial sleep in milliseconds between retries when the website reports a HTTP status 590.		10000	✓	✓	✓	
dow-nload-error-590-network-connect-timeout-sleep-max-ms	Maximum sleep in milliseconds between retries when the website reports a HTTP status 590.		300000	✓	✓	✓	

Code	Description	Origin	Default Value	Set from Connection String	Set from SQL-Statement	Set from Drivers File	Set from Log On
nect-timeout-sleep-max-ms	reports a HTTP status 590.						
dow nload-error-590-netw ork-connect-timeout-sleep-multiplicator	Multiplication factor for sleep between retries when the website reports a HTTP status 590.		2	✓	✓	✓	
dow nload-error-599-netw ork-connect-timeout-max-tries	Maximum number of tries when the website reports a HTTP status 599.		10	✓	✓	✓	
dow nload-error-599-netw ork-connect-timeout-sleep-initial-ms	Initial sleep in milliseconds between retries when the website reports a HTTP status 599.		10000	✓	✓	✓	
dow nload-error-599-netw ork-connect-timeout-sleep-max-ms	Maximum sleep in milliseconds between retries when the website reports a HTTP status 599.		300000	✓	✓	✓	
dow nload-error-599-netw ork-connect-timeout-sleep-multiplicator	Multiplication factor for sleep between retries when the website reports a HTTP status 599.		2	✓	✓	✓	
dow nload-error-argument-exception-max-tries	Maximum number of tries when an argument exception is returned when downloading a blob.		10	✓	✓	✓	
dow nload-error-argument-exception-sleep-initial-ms	Initial sleep in milliseconds between retries when an argument exception is returned when downloading a blob.		10000	✓	✓	✓	
dow nload-error-argument-exception-sleep-max-ms	Maximum sleep in milliseconds between retries when an argument exception is returned when downloading a blob.		300000	✓	✓	✓	
dow nload-error-argument-exception-sleep-multiplicator	Multiplication factor for sleep between retries when an argument exception is returned when downloading a blob.		2	✓	✓	✓	
dow nload-error-internet-dow n-max-tries	Maximum number of tries when the Internet connection seems down during retrieval of data.		10	✓	✓	✓	
dow nload-error-internet-dow n-sleep-initial-ms	Initial sleep in milliseconds between retries when the Internet connection seems down during retrieval of data.		10000	✓	✓	✓	
dow nload-error-internet-dow n-sleep-max-ms	Maximum sleep in milliseconds between retries when the Internet connection seems down during retrieval of data.		300000	✓	✓	✓	
dow nload-error-internet-dow n-sleep-multiplicator	Multiplication factor for sleep between retries when the Internet connection seems down during retrieval of data.		2	✓	✓	✓	

Code	Description	Origin	Default Value	Set from Connection String	Set from Set SQL-Statement	Set from Drivers File	Set from Log On
dow nload-error-io-exception-max-tries	Maximum number of tries when a network I/O connection failure occurs during retrieval of data.		10	✓	✓	✓	
dow nload-error-io-exception-sleep-initial-ms	Initial sleep in milliseconds between retries when a network I/O connection failure occurs during retrieval of data.		10000	✓	✓	✓	
dow nload-error-io-exception-sleep-max-ms	Maximum sleep in milliseconds between retries when a network I/O connection failure occurs during retrieval of data.		300000	✓	✓	✓	
dow nload-error-io-exception-sleep-multiplicator	Multiplication factor for sleep between retries when a network I/O connection failure occurs during retrieval of data.		2	✓	✓	✓	
dow nload-error-json-exception-max-tries	Maximum number of tries when an invalid JSON body is returned.		3	✓	✓	✓	
dow nload-error-json-exception-sleep-initial-ms	Initial sleep in milliseconds between retries when an invalid JSON body is returned.		1000	✓	✓	✓	
dow nload-error-json-exception-sleep-max-ms	Maximum sleep in milliseconds between retries when an invalid JSON body is returned.		10000	✓	✓	✓	
dow nload-error-json-exception-sleep-multiplicator	Multiplication factor for sleep between retries when an invalid JSON body is returned.		2	✓	✓	✓	
dow nload-error-other-exception-max-tries	Maximum number of tries when an unqualified error occurs during retrieval of data.		3	✓	✓	✓	
dow nload-error-other-exception-sleep-initial-ms	Initial sleep in milliseconds between retries when an unqualified error occurs during retrieval of data.		10000	✓	✓	✓	
dow nload-error-other-exception-sleep-max-ms	Maximum sleep in milliseconds between retries when an unqualified error occurs during retrieval of data.		300000	✓	✓	✓	
dow nload-error-other-exception-sleep-multiplicator	Multiplication factor for sleep between retries when an unqualified error occurs during retrieval of data.		2	✓	✓	✓	
dow nload-error-socket-exception-max-tries	Maximum number of tries when the network connection is forcibly dropped during retrieval of data.		10	✓	✓	✓	
dow nload-error-socket-exception-sleep-initial-ms	Initial sleep in milliseconds between retries when the network connection is forcibly dropped during retrieval of data.		10000	✓	✓	✓	
dow nload-error-socket-exception-sleep-max-ms	Maximum sleep in milliseconds between retries when the network connection is forcibly dropped during retrieval of data.		300000	✓	✓	✓	

Code	Description	Origin	Default Value	Set from Connection String	Set from SQL-Statement	Set from Drivers File	Set from Log On
dow nload-error-socket-exception-sleep-multiplicator	Multiplication factor for sleep between retries when the network connection is forcibly dropped during retrieval of data.		2	✓	✓	✓	
dow nload-error-web-exception-max-tries	Maximum number of tries when a web connection failure occurs during retrieval of data.		10	✓	✓	✓	
dow nload-error-web-exception-sleep-initial-ms	Initial sleep in milliseconds between retries when a web connection failure occurs during retrieval of data.		10000	✓	✓	✓	
dow nload-error-web-exception-sleep-max-ms	Maximum sleep in milliseconds between retries when a web connection failure occurs during retrieval of data.		300000	✓	✓	✓	
dow nload-error-web-exception-sleep-multiplicator	Multiplication factor for sleep between retries when a web connection failure occurs during retrieval of data.		2	✓	✓	✓	
dow nload-error-web-not-implemented-max-tries	Maximum number of tries when the connection reports not implemented.		1	✓	✓	✓	
dow nload-error-web-not-implemented-sleep-initial-ms	Initial sleep in milliseconds between retries when the connection reports not implemented.		10000	✓	✓	✓	
dow nload-error-web-not-implemented-sleep-max-ms	Maximum sleep in milliseconds between retries when the connection reports not implemented.		300000	✓	✓	✓	
dow nload-error-web-not-implemented-sleep-multiplicator	Multiplication factor for sleep between retries when the connection reports not implemented.		2	✓	✓	✓	
dow nload-error-web-timeout-max-tries	Maximum number of tries when the connection reports a timeout.		10	✓	✓	✓	
dow nload-error-web-timeout-sleep-initial-ms	Initial sleep in milliseconds between retries when the connection reports a timeout.		1000	✓	✓	✓	
dow nload-error-web-timeout-sleep-max-ms	Maximum sleep in milliseconds between retries when the connection reports a timeout.		30000	✓	✓	✓	
dow nload-error-web-timeout-sleep-multiplicator	Multiplication factor for sleep between retries when the connection reports a timeout.		2	✓	✓	✓	
dow nload-error-web-unauthorized-max-tries	Maximum number of tries when the connection reports an unauthorized error.		1	✓	✓	✓	
dow nload-error-web-unauthorized-sleep-initial-ms	Initial sleep in milliseconds between retries when the connection reports an unauthorized error.		10000	✓	✓	✓	

Code	Description	Origin	Default Value	Set from Connection String	Set from Set SQL-Statement	Set from Drivers File	Set from Log On
dow nload-error-w eb-unauthorized-sleep-max-ms	Maximum sleep in milliseconds between retries when the connection reports an unauthorized error.		300000	✓	✓	✓	
dow nload-error-w eb-unauthorized-sleep-multiplicator	Multiplication factor for sleep between retries when the connection reports an unauthorized error.		2	✓	✓	✓	
force-case-sensitive-identifiers	Consider identifiers as case-sensitive independent of the platform capabilities.	Shared	False	✓	✓	✓	
forced-casing-identifiers	Forced casing of identifiers. Choose from Unset, Lower, Upper and Mixed.	Shared		✓	✓	✓	
http-disk-cache-compression-level	Compression level for the HTTP disk cache, ranging from 1 (little) to 9 (intense). Default is 5.	Shared	5	✓	✓	✓	
http-disk-cache-directory	Directory where HTTP cache is stored.	Shared	C:\Users\gle3.WS212\Invantive\Cache\http\gle3\shared	✓	✓	✓	
http-disk-cache-ignore-write-errors	Whether to ignore write errors to disk cache.	Shared	False	✓	✓	✓	
http-disk-cache-max-age-sec	Maximum acceptable age in seconds for use of data in the HTTP disk cache.	Shared	2592000	✓	✓	✓	
http-get-timeout-max-ms	HTTP GET maximum timeout on retry (ms).		300000	✓	✓	✓	
http-get-timeout-ms	HTTP GET timeout (ms).		60000	✓	✓	✓	
http-memory-cache-compression-level	Compression level for the HTTP memory cache, ranging from 1 (little) to 9 (intense). Default is 5.	OData	5	✓	✓	✓	
http-memory-cache-max-age-sec	Maximum acceptable age in seconds for use of data in the HTTP memory cache.	OData	14400	✓	✓	✓	
http-post-timeout-max-ms	HTTP POST maximum timeout on retry (ms).		300000	✓	✓	✓	
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-401-errors	Ignore HTTP 401 errors when exchanging results with the OData endpoint.		False	✓	✓	✓	
ignore-http-402-errors	Ignore HTTP 402 errors when exchanging results with the OData endpoint.		False	✓	✓	✓	
ignore-http-403-errors	Ignore HTTP 403 errors when exchanging results with the OData en-		False	✓	✓	✓	

Code	Description	Origin	Default Value	Set from Connection String	Set from Set SQL-Statement	Set from Drivers File	Set from Log On
	dpoint.						
ignore-http-404-errors	Ignore HTTP 404 errors when exchanging results with the OData endpoint.		False	✓	✓	✓	
ignore-http-422-errors	Ignore HTTP 422 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	✓	✓	✓	
ignore-http-502-errors	Ignore HTTP 502 errors when exchanging results with the OData endpoint.		False	✓	✓	✓	
ignore-http-503-errors	Ignore HTTP 503 errors when exchanging results with the OData endpoint.		False	✓	✓	✓	
invalid-json-on-get-max-tries	Maximum number of tries when the JSON received on GET is invalid.		10	✓	✓	✓	
invalid-json-on-get-sleep-initial-ms	Initial sleep in milliseconds between retries when the JSON received on GET is invalid.		10000	✓	✓	✓	
invalid-json-on-get-sleep-max-ms	Maximum sleep in milliseconds between retries when the JSON received on GET is invalid.		300000	✓	✓	✓	
invalid-json-on-get-sleep-multiplicator	Multiplication factor for sleep between retries when the JSON received on GET is invalid.		2	✓	✓	✓	
invalid-json-on-post-max-tries	Maximum number of tries when the JSON received on POST is invalid.		1	✓	✓	✓	
invalid-json-on-post-sleep-initial-ms	Initial sleep in milliseconds between retries when the JSON received on POST is invalid.		10000	✓	✓	✓	
invalid-json-on-post-sleep-max-ms	Maximum sleep in milliseconds between retries when the JSON received on POST is invalid.		300000	✓	✓	✓	
invalid-json-on-post-sleep-multiplicator	Multiplication factor for sleep between retries when the JSON received on POST is invalid.		2	✓	✓	✓	
invantive-sql-compress-sparse-arrays	Whether to compress sparse arrays in result sets during compression.	SQL Engine V1	True	✓	✓	✓	
invantive-sql-correct-invalid-date	Whether to correct dates considered invalid since they are before 01-01-1753. When nullable, they are removed. Otherwise they are replaced by 01-01-1753.	SQL Engine V1	False	✓	✓	✓	

Code	Description	Origin	Default Value	Set from Connection String	Set from Set SQL-Statement	Set from Drivers File	Set from Log On
invantive-sql-forward-filters-to-data-containers	Whether to forward filters to data containers.	SQL Engine V1	True	✓	✓	✓	
invantive-sql-share-byte-arrays	Whether to share the memory used by identical byte arrays in result sets during compression.	SQL Engine V1	True	✓	✓	✓	
invantive-sql-share-strings	Whether to share the memory used by identical strings in result sets during compression.	SQL Engine V1	True	✓	✓	✓	
invantive-sql-shuffle-fetch-results-data-containers	Whether to shuffle results fetched from data containers.	SQL Engine V1	False	✓	✓	✓	
invantive-use-cache	Whether to cache the results of a query.	SQL Engine V1	True	✓	✓	✓	
join-set-points-per-request	Maximum number of values in a request when executing a join set.	OData	60	✓	✓	✓	
limit-partition-calls-left	Minimum number of remaining API calls on a partition towards a hard limit. When below , an error is raised.	OData	500	✓	✓	✓	
log-native-calls-to-disk-max-events	Maximum number of events to register from last activation.	Shared		✓	✓	✓	
log-native-calls-to-disk-max-seconds	Maximum number of seconds to register from last activation.	Shared		✓	✓	✓	
log-native-calls-to-disk-on-error	Registers native calls to data container backend as disk files when an error occurred.	Shared	False	✓	✓	✓	
log-native-calls-to-disk-on-success	Registers native calls to data container backend as disk files when successful.	Shared	False	✓	✓	✓	
log-native-calls-to-trace	Log native calls to data container backend on the trace.	Shared	False	✓	✓	✓	
maximum-length-identifiers	Non-default maximum length in characters of identifier names.	Shared		✓	✓	✓	
max-odata-filters	The maximum number of OData filter elements.	OData	100	✓	✓	✓	
max-url-length-accepted	The maximum accepted URL length before raising an error.	Shared	8000	✓	✓	✓	
max-url-length-desired	The maximum desired URL length.	Shared	8000	✓	✓	✓	
metadata-cache-max-age-sec	Maximum acceptable age in seconds for re-use of metadata.	OData		✓	✓	✓	
oauth-unauthorized-max-tries	Maximum number of tries when an OAuth exception occurs.	OData	2	✓	✓	✓	
oauth-unauthorized-sleep-initial-ms	Initial sleep in milliseconds between OAuth reauthentication tries when the OAuth authentication fails.	OData	10000	✓	✓	✓	
oauth-unauthorized-sleep-max-ms	Maximum sleep in milliseconds between OAuth reauthentication	OData	1000	✓	✓	✓	

Code	Description	Origin	Default Value	Set from Connection String	Set from SQL-Statement	Set from Drivers File	Set from Log On
	tries when the OAuth authentication fails.						
oauth-unauthorized-sleep-multiplicator	Multiplication factor for sleep between OAuth reauthentication tries when the OAuth authentication fails.	OData	2	✓	✓	✓	
partition-slot-based-rate-limit-length-ms	Total length in ms across all slots of a partition-based rate limit.	Shared	60000	✓		✓	
partition-slot-based-rate-limit-slots	Number of slots per partition-based rate limit. Null means no slot-based rate limit	Shared		✓		✓	
pre-request-delay-ms	Pre-request delay in milliseconds per request.	Shared	0	✓	✓	✓	
requested-page-size	Preferred number of rows to exchange per round trip; only effective on limited platforms such as AFAS Online	Shared		✓	✓	✓	
requests-parallel-max	Maximum number of parallel data requests from individual partitions on the data container.	Shared	32	✓	✓	✓	
simulate-http-400-errors	Simulate HTTP 400 errors when exchanging results with the OData endpoint.		False	✓	✓	✓	
simulate-http-400-errors-percentage	Percentage of simulated HTTP 400 errors when exchanging results with the OData endpoint.		0	✓	✓	✓	
simulate-http-401-errors	Simulate HTTP 401 errors when exchanging results with the OData endpoint.		False	✓	✓	✓	
simulate-http-401-errors-percentage	Percentage of simulated HTTP 401 errors when exchanging results with the OData endpoint.		0	✓	✓	✓	
simulate-http-403-errors	Simulate HTTP 403 errors when exchanging results with the OData endpoint.		False	✓	✓	✓	
simulate-http-403-errors-percentage	Percentage of simulated HTTP 403 errors when exchanging results with the OData endpoint.		0	✓	✓	✓	
simulate-http-408-errors	Simulate HTTP 408 errors when exchanging results with the OData endpoint.		False	✓	✓	✓	
simulate-http-408-errors-percentage	Percentage of simulated HTTP 408 errors when exchanging results with the OData endpoint.		0	✓	✓	✓	
simulate-http-429-errors	Simulate HTTP 429 errors when exchanging results with the OData endpoint.		False	✓	✓	✓	
simulate-http-429-errors-percentage	Percentage of simulated HTTP 429 errors when exchanging results with the OData endpoint.		0	✓	✓	✓	

Code	Description	Origin	Default Value	Set from Connection String	Set from Set SQL-Statement	Set from Drivers File	Set from Log On
simulate-http-500-errors	Simulate HTTP 500 errors when exchanging results with the OData endpoint.		False	✓	✓	✓	
simulate-http-500-errors-percentage	Percentage of simulated HTTP 500 errors when exchanging results with the OData endpoint.		0	✓	✓	✓	
simulate-http-502-errors	Simulate HTTP 502 errors when exchanging results with the OData endpoint.		False	✓	✓	✓	
simulate-http-502-errors-percentage	Percentage of simulated HTTP 502 errors when exchanging results with the OData endpoint.		0	✓	✓	✓	
simulate-http-503-errors	Simulate HTTP 503 errors when exchanging results with the OData endpoint.		False	✓	✓	✓	
simulate-http-503-errors-percentage	Percentage of simulated HTTP 503 errors when exchanging results with the OData endpoint.		0	✓	✓	✓	
simulate-http-protocol-errors	Simulate HTTP protocol errors when exchanging results with the OData endpoint.		False	✓	✓	✓	
simulate-http-protocol-errors-percentage	Percentage of simulated HTTP protocol errors when exchanging results with the OData endpoint.		0	✓	✓	✓	
simulate-http-timeout-errors	Simulate HTTP timeout errors when exchanging results with the OData endpoint.		False	✓	✓	✓	
simulate-http-timeout-errors-percentage	Percentage of simulated HTTP timeout errors when exchanging results with the OData endpoint.		0	✓	✓	✓	
slot-based-rate-limit-length-ms	Total length in ms across all slots of a slot-based rate limit.	Shared	1000	✓		✓	
slot-based-rate-limit-slots	Number of slots of a slot-based rate limit. Null means no slot-based rate limit	Shared	10	✓		✓	
standardize-identifiers	Rewrite all identifiers to the preferred standards as configured by standardize-identifiers-casing and maximum-length-identifiers.	Shared	True	✓	✓	✓	
standardize-identifiers-casing	Rewrite all identifiers to the recommended standard platform-specific casing when changing a data model on a case-dependent platform.	Shared	True	✓	✓	✓	
use-batch-insert	Whether to use batch insert.	OData	True	✓	✓	✓	
use-http-disk-cache-read	Whether to use HTTP responses from previous queries stored on disk to answer the current query.	Shared	True	✓	✓	✓	
use-http-disk-cache-write	Whether to memorize HTTP responses on disk.	Shared	True	✓	✓	✓	

Code	Description	Origin	Default Value	Set from Connection String	Set from Set SQL-Statement	Set from Drivers File	Set from Log On
use-http-memory-cache-read	Whether to use HTTP responses from previous queries stored in memory that can answer the current query.	OData	True	✓	✓	✓	
use-http-memory-cache-write	Whether to memorize HTTP responses from previous queries for use by future queries.	OData	True	✓	✓	✓	

3 Schema: DataDictionary

3.1 Tables

3.1.1 ApplicationAccounts

Catalog: Knack

Schema: DataDictionary

Primary Keys: id

This is a read-only table. The Knack API may not support changing the data or the Invantive SQL driver for Knack does not cover it. In the latter case, please use the table NativePlatformScalarRequests to upload data to the Knack API.

Select Knack API URL: /applications/5f68406d6618ae0015531148

Insert Knack API URL: /applications/5f68406d6618ae0015531148

Update Knack API URL: /applications/5f68406d6618ae0015531148

Delete Knack API URL: /applications/5f68406d6618ae0015531148

Field Selection Method: NotRequired

Base Path: application

Table Columns

The columns of the table ApplicationAccounts are shown below. Each column has an SQL data type.

Name	Data Type	Label	Required	Documentation
api_limit_extra_quantity	int64		<input type="checkbox"/>	
application_id	string	Application ID	<input checked="" type="checkbox"/>	
application_name	string		<input checked="" type="checkbox"/>	
beta_deadline	datetime		<input type="checkbox"/>	
billing_custom_info	string		<input type="checkbox"/>	
billing_customer_id	string		<input type="checkbox"/>	
billing_email	string		<input type="checkbox"/>	
billing_has_paid	boolean		<input type="checkbox"/>	

Name	Data Type	Label	Required	Documentation
billing_ignore_capacity_until	datetime		<input type="checkbox"/>	
billing_ignore_delinquency_until	datetime		<input type="checkbox"/>	
billing_last_freeze_date	datetime		<input type="checkbox"/>	
billing_notice_count	int32		<input type="checkbox"/>	
billing_notice_date	datetime		<input type="checkbox"/>	
billing_status	string		<input type="checkbox"/>	
counts_builders	int64		<input type="checkbox"/>	
id	string		<input type="checkbox"/>	
name	string		<input type="checkbox"/>	
plan_limits_api_limit	int64		<input type="checkbox"/>	
plan_limits_applications	int64		<input type="checkbox"/>	
plan_limits_records	int64		<input type="checkbox"/>	
plan_limits_storage	int64		<input type="checkbox"/>	
product_plan_api_limit	int64		<input type="checkbox"/>	
product_plan_apps	int64		<input type="checkbox"/>	
product_plan_babu_unit	string		<input type="checkbox"/>	
product_plan_babu_value	int64		<input type="checkbox"/>	
product_plan_builders	int64		<input type="checkbox"/>	
product_plan_id	string		<input type="checkbox"/>	
product_plan_level	int32		<input type="checkbox"/>	
product_plan_name	string		<input type="checkbox"/>	
product_plan_price	decimal		<input type="checkbox"/>	
product_plan_records	int64		<input type="checkbox"/>	
product_plan_storage	string		<input type="checkbox"/>	
product_plan_subscription_id	string		<input type="checkbox"/>	
product_plan_type	string		<input type="checkbox"/>	
referral	string		<input type="checkbox"/>	
settings_agreements	string		<input type="checkbox"/>	
settings_force_region_-for_new_apps_enabled	boolean		<input type="checkbox"/>	
settings_force_region_-for_new_apps_region	string		<input type="checkbox"/>	
settings_has_open_beta_access	boolean		<input type="checkbox"/>	
settings_has_opted_in-to_open_beta	boolean		<input type="checkbox"/>	
settings_hipaa_enabled	boolean		<input type="checkbox"/>	
settings_hipaa_region	string		<input type="checkbox"/>	
settings_mongo	string		<input type="checkbox"/>	
settings_new_apps_are_sql	boolean		<input type="checkbox"/>	
settings_rate_limit_login_requests	string		<input type="checkbox"/>	
settings_security_builder_inactivity_message	string		<input type="checkbox"/>	

Name	Data Type	Label	Required	Documentation
settings_security_builder_inactivity_timeout_enabled	boolean		<input type="checkbox"/>	
settings_security_builder_inactivity_timeout	int64		<input type="checkbox"/>	
slug	string		<input type="checkbox"/>	
sso	boolean		<input type="checkbox"/>	
status	string		<input type="checkbox"/>	
user_id	string		<input type="checkbox"/>	

3.1.2 ApplicationAccountsByApplicationId

Catalog: Knack

Schema: DataDictionary

Primary Keys: id

This is a read-only table function. The Knack API may not support changing the data or the Invantive SQL driver for Knack does not cover it. In the latter case, please use the table NativePlatformScalarRequests to upload data to the Knack API.

Select Knack API URL: /applications/{id}

Insert Knack API URL: /applications/{id}

Update Knack API URL: /applications/{id}

Delete Knack API URL: /applications/{id}

Field Selection Method: NotRequired

Base Path: application

Parameters of Table Function

The following parameters can be used to control the behaviour of the table function ApplicationAccountsByApplicationId. A value must be provided at all times for required parameters, but optional parameters in general do not need to have a value and the execution will default to a pre-defined behaviour. Values can be specified by position and by name. In both cases, all parameters not specified will be treated using their default values.

Value specification by position is done by listing all values from the first to the last needed value. For example with `select * from table(value1, value2, value3)` on a table with four parameters will use the default value for the fourth parameter and the specified values for the first three.

Value specification by name is done by listing all values that require a value. For example with `select * from table(name1 => value1, name3 => value3)` on the same table will use the default values for the second and fourth parameters and the specified values for the first and third.

Name	Data Type	Required	Default Value	Documentation
id	string	<input checked="" type="checkbox"/>		

Table Function Columns

The columns of the table function ApplicationAccountsByApplicationId are shown below. Each column has an SQL data type.

Name	Data Type	Label	Required	Documentation
api_limit_extra_quantity	int64		<input type="checkbox"/>	
application_id	string	Application ID	<input checked="" type="checkbox"/>	
application_name	string		<input checked="" type="checkbox"/>	
beta_deadline	datetime		<input type="checkbox"/>	
billing_custom_info	string		<input type="checkbox"/>	
billing_customer_id	string		<input type="checkbox"/>	
billing_email	string		<input type="checkbox"/>	
billing_has_paid	boolean		<input type="checkbox"/>	
billing_ignore_capacity_until	datetime		<input type="checkbox"/>	
billing_ignore_delinquency_until	datetime		<input type="checkbox"/>	
billing_last_freeze_date	datetime		<input type="checkbox"/>	
billing_notice_count	int32		<input type="checkbox"/>	
billing_notice_date	datetime		<input type="checkbox"/>	
billing_status	string		<input type="checkbox"/>	
counts_builders	int64		<input type="checkbox"/>	
id	string		<input type="checkbox"/>	
name	string		<input type="checkbox"/>	
plan_limits_api_limit	int64		<input type="checkbox"/>	
plan_limits_applications	int64		<input type="checkbox"/>	
plan_limits_records	int64		<input type="checkbox"/>	
plan_limits_storage	int64		<input type="checkbox"/>	
product_plan_api_limit	int64		<input type="checkbox"/>	
product_plan_apps	int64		<input type="checkbox"/>	
product_plan_babu_unit	string		<input type="checkbox"/>	
product_plan_babu_value	int64		<input type="checkbox"/>	
product_plan_builders	int64		<input type="checkbox"/>	
product_plan_id	string		<input type="checkbox"/>	
product_plan_level	int32		<input type="checkbox"/>	
product_plan_name	string		<input type="checkbox"/>	
product_plan_price	decimal		<input type="checkbox"/>	
product_plan_records	int64		<input type="checkbox"/>	
product_plan_storage	string		<input type="checkbox"/>	
product_plan_subscription_id	string		<input type="checkbox"/>	
product_plan_type	string		<input type="checkbox"/>	
referral	string		<input type="checkbox"/>	
settings_agreements	string		<input type="checkbox"/>	

Name	Data Type	Label	Required	Documentation
settings_force_region_-for_new_apps_enabled	boolean		<input type="checkbox"/>	
settings_force_region_-for_new_apps_region	string		<input type="checkbox"/>	
settings_has_open_beta_access	boolean		<input type="checkbox"/>	
settings_has_opted_in-to_open_beta	boolean		<input type="checkbox"/>	
settings_hipaa_enabled	boolean		<input type="checkbox"/>	
settings_hipaa_region	string		<input type="checkbox"/>	
settings_mongo	string		<input type="checkbox"/>	
settings_new_apps_are_sql	boolean		<input type="checkbox"/>	
settings_rate_limit_login_requests	string		<input type="checkbox"/>	
settings_security_builder_inactivity_message	string		<input type="checkbox"/>	
settings_security_builder_inactivity_timeout_enabled	boolean		<input type="checkbox"/>	
settings_security_builder_inactivity_timeout	int64		<input type="checkbox"/>	
slug	string		<input type="checkbox"/>	
sso	boolean		<input type="checkbox"/>	
status	string		<input type="checkbox"/>	
user_id	string		<input type="checkbox"/>	

3.1.3 ApplicationById: Knack Application by ID

Catalog: Knack

Schema: DataDictionary

Primary Keys: id

Label: Application by ID

This is a read-only table function. The Knack API may not support changing the data or the Invantive SQL driver for Knack does not cover it. In the latter case, please use the table NativePlatformScalarRequests to upload data to the Knack API.

Select Knack API URL: /applications/{id}

Insert Knack API URL: /applications/{id}

Update Knack API URL: /applications/{id}

Delete Knack API URL: /applications/{id}

Field Selection Method: NotRequired

Base Path: application

Parameters of Table Function

The following parameters can be used to control the behaviour of the table function ApplicationById. A value must be provided at all times for required parameters, but optional parameters in general do not need to have a value and the execution will default to a pre-defined behaviour. Values can be specified by position and by name. In both cases, all parameters not specified will be treated using their default values.

Value specification by position is done by listing all values from the first to the last needed value. For example with `select * from table(value1, value2, value3)` on a table with four parameters will use the default value for the fourth parameter and the specified values for the first three.

Value specification by name is done by listing all values that require a value. For example with `select * from table(name1 => value1, name3 => value3)` on the same table will use the default values for the second and fourth parameters and the specified values for the first and third.

Name	Data Type	Required	Default Value	Documentation
id	string	<input checked="" type="checkbox"/>		

Table Function Columns

The columns of the table function ApplicationById are shown below. Each column has an SQL data type.

Name	Data Type	Label	Required	Documentation
ecommerce_enabled	boolean		<input type="checkbox"/>	
HERE_appCode	string		<input type="checkbox"/>	
HERE_appId	string		<input type="checkbox"/>	
home_scene_key	string		<input type="checkbox"/>	
home_scene_slug	string		<input type="checkbox"/>	
id	string		<input checked="" type="checkbox"/>	Unique ID.
layout_app_fullwidth	boolean		<input type="checkbox"/>	
layout_app_menu_auth	boolean		<input type="checkbox"/>	
layout_entry_scene_menu	boolean		<input type="checkbox"/>	
layout_page_menu_style	string		<input type="checkbox"/>	
layout_theme	string		<input type="checkbox"/>	
logo_url	string		<input type="checkbox"/>	
name	string		<input checked="" type="checkbox"/>	
s3_bucket	string		<input type="checkbox"/>	
s3_domain	string		<input type="checkbox"/>	
s3_secure_bucket	string		<input type="checkbox"/>	
s3_secure_domain	string		<input type="checkbox"/>	
slug	string		<input type="checkbox"/>	
status	string		<input type="checkbox"/>	
subdomain	string		<input type="checkbox"/>	
users_enabled	boolean		<input type="checkbox"/>	
users_registration	string		<input type="checkbox"/>	

Name	Data Type	Label	Required	Documentation
users_scope	string		<input type="checkbox"/>	

3.1.4 ApplicationDesigns

Catalog: Knack

Schema: DataDictionary

Primary Keys: id

This is a read-only table. The Knack API may not support changing the data or the Invantive SQL driver for Knack does not cover it. In the latter case, please use the table `NativePlatformScalarRequests` to upload data to the Knack API.

Select Knack API URL: /applications/5f68406d6618ae0015531148

Insert Knack API URL: /applications/5f68406d6618ae0015531148

Update Knack API URL: /applications/5f68406d6618ae0015531148

Delete Knack API URL: /applications/5f68406d6618ae0015531148

Field Selection Method: NotRequired

Base Path: application

Table Columns

The columns of the table `ApplicationDesigns` are shown below. Each column has an SQL data type.

Name	Data Type	Label	Required	Documentation
application_id	string	Application ID	<input checked="" type="checkbox"/>	
application_name	string		<input checked="" type="checkbox"/>	
button_bg_color	string		<input type="checkbox"/>	
button_border_color	string		<input type="checkbox"/>	
button_hover_color	string		<input type="checkbox"/>	
button_text_color	string		<input type="checkbox"/>	
button_textshadow_style	string		<input type="checkbox"/>	
header_bg_color	string		<input type="checkbox"/>	
header_text_color	string		<input type="checkbox"/>	
header_textshadow_style	string		<input type="checkbox"/>	
link_text_color	string		<input type="checkbox"/>	
notification_bg_color	string		<input type="checkbox"/>	
notification_text_color	string		<input type="checkbox"/>	

3.1.5 ApplicationDesignsByApplicationId

Catalog: Knack

Schema: DataDictionary

Primary Keys: id

This is a read-only table function. The Knack API may not support changing the data or the Invantive SQL driver for Knack does not cover it. In the latter case, please use the table NativePlatformScalarRequests to upload data to the Knack API.

Select Knack API URL: /applications/{id}

Insert Knack API URL: /applications/{id}

Update Knack API URL: /applications/{id}

Delete Knack API URL: /applications/{id}

Field Selection Method: NotRequired

Base Path: application

Parameters of Table Function

The following parameters can be used to control the behaviour of the table function ApplicationDesignsByApplicationId. A value must be provided at all times for required parameters, but optional parameters in general do not need to have a value and the execution will default to a pre-defined behaviour. Values can be specified by position and by name. In both cases, all parameters not specified will be treated using their default values.

Value specification by position is done by listing all values from the first to the last needed value. For example with `select * from table(value1, value2, value3)` on a table with four parameters will use the default value for the fourth parameter and the specified values for the first three.

Value specification by name is done by listing all values that require a value. For example with `select * from table(name1 => value1, name3 => value3)` on the same table will use the default values for the second and fourth parameters and the specified values for the first and third.

Name	Data Type	Required	Default Value	Documentation
id	string	<input checked="" type="checkbox"/>		

Table Function Columns

The columns of the table function ApplicationDesignsByApplicationId are shown below. Each column has an SQL data type.

Name	Data Type	Label	Required	Documentation
application_id	string	Application ID	<input checked="" type="checkbox"/>	
application_name	string		<input checked="" type="checkbox"/>	
button_bg_color	string		<input type="checkbox"/>	
button_border_color	string		<input type="checkbox"/>	
button_hover_color	string		<input type="checkbox"/>	
button_text_color	string		<input type="checkbox"/>	
button_textshadow_style	string		<input type="checkbox"/>	
header_bg_color	string		<input type="checkbox"/>	

Name	Data Type	Label	Required	Documentation
header_text_color	string		<input type="checkbox"/>	
header_textshadow_style	string		<input type="checkbox"/>	
link_text_color	string		<input type="checkbox"/>	
notification_bg_color	string		<input type="checkbox"/>	
notification_text_color	string		<input type="checkbox"/>	

3.1.6 Applications: Knack Applications

Catalog: Knack

Schema: DataDictionary

Primary Keys: id

Label: Applications

This is a read-only table. The Knack API may not support changing the data or the Invantive SQL driver for Knack does not cover it. In the latter case, please use the table NativePlatformScalarRequests to upload data to the Knack API.

Select Knack API URL: /applications/5f68406d6618ae0015531148

Insert Knack API URL: /applications/5f68406d6618ae0015531148

Update Knack API URL: /applications/5f68406d6618ae0015531148

Delete Knack API URL: /applications/5f68406d6618ae0015531148

Field Selection Method: NotRequired

Base Path: application

Table Columns

The columns of the table Applications are shown below. Each column has an SQL data type.

Name	Data Type	Label	Required	Documentation
ecommerce_enabled	boolean		<input type="checkbox"/>	
HERE_appCode	string		<input type="checkbox"/>	
HERE_appld	string		<input type="checkbox"/>	
home_scene_key	string		<input type="checkbox"/>	
home_scene_slug	string		<input type="checkbox"/>	
id	string		<input checked="" type="checkbox"/>	Unique ID.
layout_app_fullwidth	boolean		<input type="checkbox"/>	
layout_app_menu_auth	boolean		<input type="checkbox"/>	
layout_entry_scene_menu	boolean		<input type="checkbox"/>	
layout_page_menu_style	string		<input type="checkbox"/>	
layout_theme	string		<input type="checkbox"/>	
logo_url	string		<input type="checkbox"/>	
name	string		<input checked="" type="checkbox"/>	

Name	Data Type	Label	Required	Documentation
s3_bucket	string		<input type="checkbox"/>	
s3_domain	string		<input type="checkbox"/>	
s3_secure_bucket	string		<input type="checkbox"/>	
s3_secure_domain	string		<input type="checkbox"/>	
slug	string		<input type="checkbox"/>	
status	string		<input type="checkbox"/>	
subdomain	string		<input type="checkbox"/>	
users_enabled	boolean		<input type="checkbox"/>	
users_registration	string		<input type="checkbox"/>	
users_scope	string		<input type="checkbox"/>	

3.1.7 ApplicationSettings: Knack Application Settings

Catalog: Knack

Schema: DataDictionary

Primary Keys: id

Label: Application Settings

This is a read-only table. The Knack API may not support changing the data or the Invantive SQL driver for Knack does not cover it. In the latter case, please use the table `NativePlatformScalarRequests` to upload data to the Knack API.

Select Knack API URL: /applications/5f68406d6618ae0015531148

Insert Knack API URL: /applications/5f68406d6618ae0015531148

Update Knack API URL: /applications/5f68406d6618ae0015531148

Delete Knack API URL: /applications/5f68406d6618ae0015531148

Field Selection Method: NotRequired

Base Path: application

Table Columns

The columns of the table `ApplicationSettings` are shown below. Each column has an SQL data type.

Name	Data Type	Label	Required	Documentation
application_id	string	Application ID	<input checked="" type="checkbox"/>	
application_name	string		<input checked="" type="checkbox"/>	
babu_preseed_status	string		<input type="checkbox"/>	
cluster	string		<input type="checkbox"/>	
css	string		<input type="checkbox"/>	
from_email	string		<input type="checkbox"/>	
geo	boolean		<input type="checkbox"/>	
has_new_object_types	boolean		<input type="checkbox"/>	

Name	Data Type	Label	Required	Documentation
https_redirect	boolean		<input type="checkbox"/>	
icons	boolean		<input type="checkbox"/>	
inactivity_message	string		<input type="checkbox"/>	
inactivity_timeout_enabled	boolean		<input type="checkbox"/>	
inactivity_timeout	int64		<input type="checkbox"/>	
ip_w hitelist	string		<input type="checkbox"/>	
javascript	string		<input type="checkbox"/>	
language	string		<input type="checkbox"/>	
last_update	string		<input type="checkbox"/>	
legacy_entry_history_nuked	string		<input type="checkbox"/>	
logo	string		<input type="checkbox"/>	
mongo	string		<input type="checkbox"/>	
new_count	boolean		<input type="checkbox"/>	
powered_by_link	boolean		<input type="checkbox"/>	
registration_migration_status	string		<input type="checkbox"/>	
runner	string		<input type="checkbox"/>	
script_protection_enabled	boolean		<input type="checkbox"/>	
should_purge_record_history	boolean		<input type="checkbox"/>	
solr	string		<input type="checkbox"/>	
support_access	boolean		<input type="checkbox"/>	
technical_contact	string		<input type="checkbox"/>	
timezone_dst	string		<input type="checkbox"/>	
timezone_offset	string		<input type="checkbox"/>	
timezone	string		<input type="checkbox"/>	
use_allowed_html_w hitelist	boolean		<input type="checkbox"/>	
use_multiple_api_subdomains	boolean		<input type="checkbox"/>	
v3_beta	boolean		<input type="checkbox"/>	
v3_open_beta	boolean		<input type="checkbox"/>	

3.1.8 ApplicationSettingsByApplicationId

Catalog: Knack

Schema: DataDictionary

Primary Keys: id

This is a read-only table function. The Knack API may not support changing the data or the Invantive SQL driver for Knack does not cover it. In the latter case, please use the table NativePlatformScalarRequests to upload data to the Knack API.

Select Knack API URL: /applications/{id}

Insert Knack API URL: /applications/{id}

Update Knack API URL: /applications/{id}

Delete Knack API URL: /applications/{id}

Field Selection Method: NotRequired

Base Path: application

Parameters of Table Function

The following parameters can be used to control the behaviour of the table function ApplicationSettingsByApplicationId. A value must be provided at all times for required parameters, but optional parameters in general do not need to have a value and the execution will default to a pre-defined behaviour. Values can be specified by position and by name. In both cases, all parameters not specified will be treated using their default values.

Value specification by position is done by listing all values from the first to the last needed value. For example with `select * from table(value1, value2, value3)` on a table with four parameters will use the default value for the fourth parameter and the specified values for the first three.

Value specification by name is done by listing all values that require a value. For example with `select * from table(name1 => value1, name3 => value3)` on the same table will use the default values for the second and fourth parameters and the specified values for the first and third.

Name	Data Type	Required	Default Value	Documentation
id	string	<input checked="" type="checkbox"/>		

Table Function Columns

The columns of the table function ApplicationSettingsByApplicationId are shown below. Each column has an SQL data type.

Name	Data Type	Label	Required	Documentation
application_id	string	Application ID	<input checked="" type="checkbox"/>	
application_name	string		<input checked="" type="checkbox"/>	
babu_preseed_status	string		<input type="checkbox"/>	
cluster	string		<input type="checkbox"/>	
css	string		<input type="checkbox"/>	
from_email	string		<input type="checkbox"/>	
geo	boolean		<input type="checkbox"/>	
has_new_object_types	boolean		<input type="checkbox"/>	
https_redirect	boolean		<input type="checkbox"/>	
icons	boolean		<input type="checkbox"/>	
inactivity_message	string		<input type="checkbox"/>	
inactivity_timeout_enabled	boolean		<input type="checkbox"/>	
inactivity_timeout	int64		<input type="checkbox"/>	
ip_w hitelist	string		<input type="checkbox"/>	
javascript	string		<input type="checkbox"/>	
language	string		<input type="checkbox"/>	

Name	Data Type	Label	Required	Documentation
last_update	string		<input type="checkbox"/>	
legacy_entry_history_nuked	string		<input type="checkbox"/>	
logo	string		<input type="checkbox"/>	
mongo	string		<input type="checkbox"/>	
new_count	boolean		<input type="checkbox"/>	
powered_by_link	boolean		<input type="checkbox"/>	
registration_migration_status	string		<input type="checkbox"/>	
runner	string		<input type="checkbox"/>	
script_protection_enabled	boolean		<input type="checkbox"/>	
should_purge_record_history	boolean		<input type="checkbox"/>	
solr	string		<input type="checkbox"/>	
support_access	boolean		<input type="checkbox"/>	
technical_contact	string		<input type="checkbox"/>	
timezone_dst	string		<input type="checkbox"/>	
timezone_offset	string		<input type="checkbox"/>	
timezone	string		<input type="checkbox"/>	
use_allowed_html_withitelist	boolean		<input type="checkbox"/>	
use_multiple_api_subdomains	boolean		<input type="checkbox"/>	
v3_beta	boolean		<input type="checkbox"/>	
v3_open_beta	boolean		<input type="checkbox"/>	

3.1.9 ObjectFields

Catalog: Knack

Schema: DataDictionary

Primary Keys: id

This is a read-only table. The Knack API may not support changing the data or the Invantive SQL driver for Knack does not cover it. In the latter case, please use the table NativePlatformScalarRequests to upload data to the Knack API.

Select Knack API URL: /applications/5f68406d6618ae0015531148

Insert Knack API URL: /applications/5f68406d6618ae0015531148

Update Knack API URL: /applications/5f68406d6618ae0015531148

Delete Knack API URL: /applications/5f68406d6618ae0015531148

Field Selection Method: NotRequired

Base Path: application.objects[*].fields[*]

Table Columns

The columns of the table ObjectFields are shown below. Each column has an SQL data type.

Name	Data Type	Label	Required	Documentation
application_id	string	Application ID	<input checked="" type="checkbox"/>	
application_name	string		<input checked="" type="checkbox"/>	
conditional	boolean		<input type="checkbox"/>	
default	string		<input type="checkbox"/>	
format_format	string		<input type="checkbox"/>	
format_label	string		<input type="checkbox"/>	
id	string		<input type="checkbox"/>	Unique ID.
immutable	boolean		<input type="checkbox"/>	
object_id	string		<input checked="" type="checkbox"/>	
object_key	string		<input checked="" type="checkbox"/>	
object_name	string		<input checked="" type="checkbox"/>	
required	boolean		<input type="checkbox"/>	
type	string		<input type="checkbox"/>	
unique	boolean		<input type="checkbox"/>	
user	boolean		<input type="checkbox"/>	

3.1.10 ObjectFieldsByApplicationId

Catalog: Knack

Schema: DataDictionary

Primary Keys: id

This is a read-only table function. The Knack API may not support changing the data or the Invantive SQL driver for Knack does not cover it. In the latter case, please use the table NativePlatformScalarRequests to upload data to the Knack API.

Select Knack API URL: /applications/{id}

Insert Knack API URL: /applications/{id}

Update Knack API URL: /applications/{id}

Delete Knack API URL: /applications/{id}

Field Selection Method: NotRequired

Base Path: application.objects[*].fields[*]

Parameters of Table Function

The following parameters can be used to control the behaviour of the table function ObjectFieldsByApplicationId. A value must be provided at all times for required parameters, but optional parameters in general do not need to have a value and the execution will default to a pre-defined behaviour. Values can be specified by position and by name. In both cases, all parameters not specified will be treated using their default values.

Value specification by position is done by listing all values from the first to the last needed value. For example with `select * from table(value1, value2, value3)` on a table with four

parameters will use the default value for the fourth parameter and the specified values for the first three.

Value specification by name is done by listing all values that require a value. For example with `select * from table(name1 => value1, name3 => value3)` on the same table will use the default values for the second and fourth parameters and the specified values for the first and third.

Name	Data Type	Required	Default Value	Documentation
id	string	<input checked="" type="checkbox"/>		

Table Function Columns

The columns of the table function ObjectFieldsByApplicationId are shown below. Each column has an SQL data type.

Name	Data Type	Label	Required	Documentation
application_id	string	Application ID	<input checked="" type="checkbox"/>	
application_name	string		<input checked="" type="checkbox"/>	
conditional	boolean		<input type="checkbox"/>	
default	string		<input type="checkbox"/>	
format_format	string		<input type="checkbox"/>	
format_label	string		<input type="checkbox"/>	
id	string		<input type="checkbox"/>	Unique ID.
immutable	boolean		<input type="checkbox"/>	
object_id	string		<input checked="" type="checkbox"/>	
object_key	string		<input checked="" type="checkbox"/>	
object_name	string		<input checked="" type="checkbox"/>	
required	boolean		<input type="checkbox"/>	
type	string		<input type="checkbox"/>	
unique	boolean		<input type="checkbox"/>	
user	boolean		<input type="checkbox"/>	

3.1.11 Objects

Catalog: Knack

Schema: DataDictionary

Primary Keys: id

This is a read-only table. The Knack API may not support changing the data or the Invantive SQL driver for Knack does not cover it. In the latter case, please use the table NativePlatformScalarRequests to upload data to the Knack API.

Select Knack API URL: /applications/5f68406d6618ae0015531148

Insert Knack API URL: /applications/5f68406d6618ae0015531148

Update Knack API URL: /applications/5f68406d6618ae0015531148

Delete Knack API URL: /applications/5f68406d6618ae0015531148

Field Selection Method: NotRequired

Base Path: application.objects [*]

Table Columns

The columns of the table Objects are shown below. Each column has an SQL data type.

Name	Data Type	Label	Required	Documentation
application_id	string	Application ID	<input checked="" type="checkbox"/>	
application_name	string		<input checked="" type="checkbox"/>	
id	string		<input checked="" type="checkbox"/>	Unique ID.
identifier	string		<input type="checkbox"/>	
inflections_plural	string		<input type="checkbox"/>	
inflections_singular	string		<input type="checkbox"/>	
key	string		<input checked="" type="checkbox"/>	
name	string		<input checked="" type="checkbox"/>	
sort_field	string		<input type="checkbox"/>	
sort_order	string		<input type="checkbox"/>	
status	string		<input type="checkbox"/>	
type	string		<input type="checkbox"/>	
user	string		<input type="checkbox"/>	

3.1.12 ObjectsByApplicationId

Catalog: Knack

Schema: DataDictionary

Primary Keys: id

This is a read-only table function. The Knack API may not support changing the data or the Invantive SQL driver for Knack does not cover it. In the latter case, please use the table NativePlatformScalarRequests to upload data to the Knack API.

Select Knack API URL: /applications/{id}

Insert Knack API URL: /applications/{id}

Update Knack API URL: /applications/{id}

Delete Knack API URL: /applications/{id}

Field Selection Method: NotRequired

Base Path: application.objects [*]

Parameters of Table Function

The following parameters can be used to control the behaviour of the table function ObjectsByApplicationId. A value must be provided at all times for required parameters, but optional parameters in general do not need to have a value and the execution will default to a pre-

defined behaviour. Values can be specified by position and by name. In both cases, all parameters not specified will be treated using their default values.

Value specification by position is done by listing all values from the first to the last needed value. For example with `select * from table(value1, value2, value3)` on a table with four parameters will use the default value for the fourth parameter and the specified values for the first three.

Value specification by name is done by listing all values that require a value. For example with `select * from table(name1 => value1, name3 => value3)` on the same table will use the default values for the second and fourth parameters and the specified values for the first and third.

Name	Data Type	Required	Default Value	Documentation
id	string	<input checked="" type="checkbox"/>		

Table Function Columns

The columns of the table function `ObjectsByApplicationId` are shown below. Each column has an SQL data type.

Name	Data Type	Label	Required	Documentation
application_id	string	Application ID	<input checked="" type="checkbox"/>	
application_name	string		<input checked="" type="checkbox"/>	
id	string		<input checked="" type="checkbox"/>	Unique ID.
identifier	string		<input type="checkbox"/>	
inflections_plural	string		<input type="checkbox"/>	
inflections_singular	string		<input type="checkbox"/>	
key	string		<input checked="" type="checkbox"/>	
name	string		<input checked="" type="checkbox"/>	
sort_field	string		<input type="checkbox"/>	
sort_order	string		<input type="checkbox"/>	
status	string		<input type="checkbox"/>	
type	string		<input type="checkbox"/>	
user	string		<input type="checkbox"/>	

3.1.13 Scenes

Catalog: Knack

Schema: DataDictionary

Primary Keys: id

This is a read-only table. The Knack API may not support changing the data or the Invantive SQL driver for Knack does not cover it. In the latter case, please use the table `NativePlatformScalarRequests` to upload data to the Knack API.

Select Knack API URL: /applications/5f68406d6618ae0015531148

Insert Knack API URL: /applications/5f68406d6618ae0015531148

Update Knack API URL: /applications/5f68406d6618ae0015531148

Delete Knack API URL: /applications/5f68406d6618ae0015531148

Field Selection Method: NotRequired

Base Path: application.scenes [*]

Table Columns

The columns of the table Scenes are shown below. Each column has an SQL data type.

Name	Data Type	Label	Required	Documentation
application_id	string	Application ID	<input checked="" type="checkbox"/>	
application_name	string		<input checked="" type="checkbox"/>	
authenticated	boolean		<input type="checkbox"/>	
id	string		<input checked="" type="checkbox"/>	Unique ID.
key	string		<input checked="" type="checkbox"/>	
limit_profile_access	string		<input type="checkbox"/>	
menu	string		<input type="checkbox"/>	
modal	boolean		<input type="checkbox"/>	
object_key	string		<input type="checkbox"/>	
parent	string		<input type="checkbox"/>	
print	boolean		<input type="checkbox"/>	
slug	string		<input type="checkbox"/>	
type	string		<input type="checkbox"/>	

3.1.14 ScenesByApplicationId

Catalog: Knack

Schema: DataDictionary

Primary Keys: id

This is a read-only table function. The Knack API may not support changing the data or the Invantive SQL driver for Knack does not cover it. In the latter case, please use the table NativePlatformScalarRequests to upload data to the Knack API.

Select Knack API URL: /applications/{id}

Insert Knack API URL: /applications/{id}

Update Knack API URL: /applications/{id}

Delete Knack API URL: /applications/{id}

Field Selection Method: NotRequired

Base Path: application.scenes [*]

Parameters of Table Function

The following parameters can be used to control the behaviour of the table function ScenesByApplicationId. A value must be provided at all times for required parameters, but optional parameters in general do not need to have a value and the execution will default to a pre-defined behaviour. Values can be specified by position and by name. In both cases, all parameters not specified will be treated using their default values.

Value specification by position is done by listing all values from the first to the last needed value. For example with `select * from table(value1, value2, value3)` on a table with four parameters will use the default value for the fourth parameter and the specified values for the first three.

Value specification by name is done by listing all values that require a value. For example with `select * from table(name1 => value1, name3 => value3)` on the same table will use the default values for the second and fourth parameters and the specified values for the first and third.

Name	Data Type	Required	Default Value	Documentation
id	string	<input checked="" type="checkbox"/>		

Table Function Columns

The columns of the table function ScenesByApplicationId are shown below. Each column has an SQL data type.

Name	Data Type	Label	Required	Documentation
application_id	string	Application ID	<input checked="" type="checkbox"/>	
application_name	string		<input checked="" type="checkbox"/>	
authenticated	boolean		<input type="checkbox"/>	
id	string		<input checked="" type="checkbox"/>	Unique ID.
key	string		<input checked="" type="checkbox"/>	
limit_profile_access	string		<input type="checkbox"/>	
menu	string		<input type="checkbox"/>	
modal	boolean		<input type="checkbox"/>	
object_key	string		<input type="checkbox"/>	
parent	string		<input type="checkbox"/>	
print	boolean		<input type="checkbox"/>	
slug	string		<input type="checkbox"/>	
type	string		<input type="checkbox"/>	

3.1.15 SceneViews

Catalog: Knack

Schema: DataDictionary

Primary Keys: id

This is a read-only table. The Knack API may not support changing the data or the Invantive SQL driver for Knack does not cover it. In the latter case, please use the table NativePlatformScalarRequests to upload data to the Knack API.

Select Knack API URL: /applications/5f68406d6618ae0015531148

Insert Knack API URL: /applications/5f68406d6618ae0015531148

Update Knack API URL: /applications/5f68406d6618ae0015531148

Delete Knack API URL: /applications/5f68406d6618ae0015531148

Field Selection Method: NotRequired

Base Path: application.scenes[*].views[*]

Table Columns

The columns of the table `SceneViews` are shown below. Each column has an SQL data type.

Name	Data Type	Label	Required	Documentation
action	string		<input type="checkbox"/>	
alert	string		<input type="checkbox"/>	
allow_exporting	boolean		<input type="checkbox"/>	
allow_preset_filters	boolean		<input type="checkbox"/>	
application_id	string	Application ID	<input checked="" type="checkbox"/>	
application_name	string		<input checked="" type="checkbox"/>	
description	string		<input type="checkbox"/>	
display_pagination_below	boolean		<input type="checkbox"/>	
filter_type	string		<input type="checkbox"/>	
id	string		<input checked="" type="checkbox"/>	Unique ID.
ignore_reload	boolean		<input type="checkbox"/>	
key	string		<input checked="" type="checkbox"/>	
keyword_search	boolean		<input type="checkbox"/>	
label	string		<input type="checkbox"/>	
layout	string		<input type="checkbox"/>	
limit_profile_access	boolean		<input type="checkbox"/>	
parent	string		<input type="checkbox"/>	
rows_per_page	int32		<input type="checkbox"/>	
scene_id	string		<input checked="" type="checkbox"/>	
scene_key	string		<input checked="" type="checkbox"/>	
scene_name	string		<input checked="" type="checkbox"/>	
title	string		<input type="checkbox"/>	
type	string		<input type="checkbox"/>	

3.1.16 SceneViewsByApplicationId

Catalog: Knack

Schema: DataDictionary

Primary Keys: id

This is a read-only table function. The Knack API may not support changing the data or the Invantive SQL driver for Knack does not cover it. In the latter case, please use the table NativePlatformScalarRequests to upload data to the Knack API.

Select Knack API URL: /applications/{id}

Insert Knack API URL: /applications/{id}

Update Knack API URL: /applications/{id}

Delete Knack API URL: /applications/{id}

Field Selection Method: NotRequired

Base Path: application.scenes[*].views[*]

Parameters of Table Function

The following parameters can be used to control the behaviour of the table function SceneViewsByApplicationId. A value must be provided at all times for required parameters, but optional parameters in general do not need to have a value and the execution will default to a pre-defined behaviour. Values can be specified by position and by name. In both cases, all parameters not specified will be treated using their default values.

Value specification by position is done by listing all values from the first to the last needed value. For example with `select * from table(value1, value2, value3)` on a table with four parameters will use the default value for the fourth parameter and the specified values for the first three.

Value specification by name is done by listing all values that require a value. For example with `select * from table(name1 => value1, name3 => value3)` on the same table will use the default values for the second and fourth parameters and the specified values for the first and third.

Name	Data Type	Required	Default Value	Documentation
id	string	<input checked="" type="checkbox"/>		

Table Function Columns

The columns of the table function SceneViewsByApplicationId are shown below. Each column has an SQL data type.

Name	Data Type	Label	Required	Documentation
action	string		<input type="checkbox"/>	
alert	string		<input type="checkbox"/>	
allow_exporting	boolean		<input type="checkbox"/>	
allow_preset_filters	boolean		<input type="checkbox"/>	
application_id	string	Application ID	<input checked="" type="checkbox"/>	
application_name	string		<input checked="" type="checkbox"/>	
description	string		<input type="checkbox"/>	
display_pagination_below	boolean		<input type="checkbox"/>	
filter_type	string		<input type="checkbox"/>	
id	string		<input checked="" type="checkbox"/>	Unique ID.

Name	Data Type	Label	Required	Documentation
ignore_reload	boolean		<input type="checkbox"/>	
key	string		<input checked="" type="checkbox"/>	
keyword_search	boolean		<input type="checkbox"/>	
label	string		<input type="checkbox"/>	
layout	string		<input type="checkbox"/>	
limit_profile_access	boolean		<input type="checkbox"/>	
parent	string		<input type="checkbox"/>	
rows_per_page	int32		<input type="checkbox"/>	
scene_id	string		<input checked="" type="checkbox"/>	
scene_key	string		<input checked="" type="checkbox"/>	
scene_name	string		<input checked="" type="checkbox"/>	
title	string		<input type="checkbox"/>	
type	string		<input type="checkbox"/>	

4 Schema: Journal_Details

4.1 Tables

4.1.1 Journal_Details

Catalog: Knack

Schema: Journal_Details

This is a read-only table function. The Knack API may not support changing the data or the Invantive SQL driver for Knack does not cover it. In the latter case, please use the table NativePlatformScalarRequests to upload data to the Knack API.

Select Knack API URL: /pages/scene_3/views/view_4/records/{id}

Insert Knack API URL: /pages/scene_3/views/view_4/records/{id}

Update Knack API URL: /pages/scene_3/views/view_4/records/{id}

Delete Knack API URL: /pages/scene_3/views/view_4/records/{id}

Field Selection Method: NotRequired

Parameters of Table Function

The following parameters can be used to control the behaviour of the table function Journal_Details. A value must be provided at all times for required parameters, but optional parameters in general do not need to have a value and the execution will default to a pre-defined behaviour. Values can be specified by position and by name. In both cases, all parameters not specified will be treated using their default values.

Value specification by position is done by listing all values from the first to the last needed value. For example with `select * from table(value1, value2, value3)` on a table with four parameters will use the default value for the fourth parameter and the specified values for the first three.

Value specification by name is done by listing all values that require a value. For example with `select * from table(name1 => value1, name3 => value3)` on the same table will use the

default values for the second and fourth parameters and the specified values for the first and third.

Name	Data Type	Required	Default Value	Documentation
id	string	<input checked="" type="checkbox"/>		

Table Function Columns

The columns of the table function `Journal_Details` are shown below. Each column has an SQL data type.

Name	Data Type	Label	Required	Documentation
DUMMY	string		<input checked="" type="checkbox"/>	Default column added since the specification specifies that no data is returned.
record_id	string		<input checked="" type="checkbox"/>	

5 Schema: Journals

5.1 Tables

5.1.1 Journals: Knack Table

Catalog: Knack

Schema: Journals

Label: Table

This is a read-only view. The Knack API may not support changing the data or the Invantive SQL driver for Knack does not cover it. In the latter case, please use the table `NativePlatformScalarRequests` to upload data to the Knack API.

Select Knack API URL: `/pages/scene_1/views/view_1/records`

Insert Knack API URL: `/pages/scene_1/views/view_1/records`

Update Knack API URL: `/pages/scene_1/views/view_1/records`

Delete Knack API URL: `/pages/scene_1/views/view_1/records`

Field Selection Method: NotRequired

Base Path: records [*]

View Columns

The columns of the view `Journals` are shown below. Each column has an SQL data type.

Name	Data Type	Label	Required	Documentation
Code	string		<input type="checkbox"/>	
Description	string		<input type="checkbox"/>	
record_id	string		<input checked="" type="checkbox"/>	

6 Schema: Native

6.1 Tables

6.1.1 NATIVEPLATFORMSCALARREQUESTS: Knack Native Platform Scalar Requests

Direct access to native API.

Catalog: Knack

Schema: Native

Alias: npt

Label: Native Platform Scalar Requests

Documentation:

The NativePlatformScalarRequests table provides direct access to the native API protocol over an established connection to the Knack API server. It will contain a new row for every row inserted with a native API request in PAYLOAD_TEXT with the results of unaltered forwarding of the payload to the Knack API server.

Retrieve: true

Insert: true

Update: false

Delete: false

View Columns

The columns of the view NATIVEPLATFORMSCALARREQUESTS are shown below. Each column has an SQL data type. A new non-null value must be provided for every required column at all times during insert.

Name	Data Type	Label	Required	Documentation
BLOB_PREFERRED	boolean	BLOB Preferred	<input checked="" type="checkbox"/>	Indicator whether a BLOB result is preferred over text.
BOL_RESPONSE_CACHE_MAX_AGE_SEC	int32	Response Cache Maximum Age (sec)	<input type="checkbox"/>	Maximum age in seconds of Bridge Online response cache entries to be used.
CONTENT_TYPE	string(240)	Content Type	<input type="checkbox"/>	
DATE_ENDED	datetime	End Date	<input checked="" type="checkbox"/>	
DATE_STARTED	datetime	Start Date	<input checked="" type="checkbox"/>	
DRY_RUN	boolean	Run without Actions	<input checked="" type="checkbox"/>	
DURATION_MS	int32	Duration (ms)	<input checked="" type="checkbox"/>	
ERROR_MESSAGE_CODE	string(30)	Error Message Code	<input type="checkbox"/>	
ERROR_MESSAGE_TEXT	string(32000)	Error Message Text	<input type="checkbox"/>	
FAIL_ON_ERROR	boolean	Fail on Error	<input checked="" type="checkbox"/>	Whether to raise an exception when processing the native request triggered an error from the provider.
HTTP_DISK_CACHE_MAX_AGE_SEC	int32	HTTP Disk Cache Maximum Age (sec)	<input type="checkbox"/>	Maximum age in seconds of HTTP disk cache entries to be used.
HTTP_DISK_CACHE_SAVE	boolean	Save HTTP Disk Cache	<input type="checkbox"/>	Whether results can be stored in HTTP disk cache.

Name	Data Type	Label	Required	Documentation
HTTP_DISK_CACHE_USE	boolean	Use HTTP Disk Cache	<input type="checkbox"/>	Whether results can be fetched from HTTP disk cache.
HTTP_MEMORY_CACHE_MAX_AGE_SEC	int32	HTTP Memory Cache Maximum Age (sec)	<input type="checkbox"/>	Maximum age in seconds of HTTP memory cache entries to be used.
HTTP_MEMORY_CACHE_SAVE	boolean	Save HTTP Memory Cache	<input type="checkbox"/>	Whether results can be stored in HTTP memory cache.
HTTP_MEMORY_CACHE_USE	boolean	Use HTTP Memory Cache	<input type="checkbox"/>	Whether results can be fetched from HTTP memory cache.
HTTP_METHOD	string(30)	HTTP Method	<input type="checkbox"/>	
HTTP_STATUS_CODE	int16	HTTP Status Code	<input type="checkbox"/>	
ORIG_SYSTEM_GROUP	string(4000)	Original System Group	<input type="checkbox"/>	
ORIG_SYSTEM_REFERENCE	string(4000)	Original System Reference	<input type="checkbox"/>	
PAYOUT_TEXT	string	Payout	<input type="checkbox"/>	
RESULT_BLOB	byte[]	Result BLOB	<input type="checkbox"/>	
RESULT_DATE_TIME_UTC	datetime		<input type="checkbox"/>	
RESULT_NUMBER	decimal		<input type="checkbox"/>	
RESULT_TEXT	string	Result Text	<input type="checkbox"/>	
SUCCESSFUL	boolean	Successful	<input checked="" type="checkbox"/>	
TIMEOUT_SEC	int32	Timeout (sec)	<input type="checkbox"/>	Timeout in seconds.
TRANSACTION_ID	int32	Transaction ID	<input checked="" type="checkbox"/>	Incrementing ID of the transaction.
URL	string(4000)	URL	<input type="checkbox"/>	

7 Schema: Objects

7.1 Tables

7.1.1 A_B_C: Knack A B Cs

Catalog: Knack

Schema: Objects

Primary Keys: record_id

Label: A B Cs

Can retrieve data and change data using insert, update and delete.

Select Knack API URL: /objects/object_5/records

Insert Knack API URL: /objects/object_5/records

Update Knack API URL: /objects/object_5/records

Delete Knack API URL: /objects/object_5/records

Field Selection Method: NotRequired

Base Path: records [*]

Table Columns

The columns of the table A_B_C are shown below. Each column has an SQL data type. A new non-null value must be provided for every required column at all times during insert or update.

Name	Data Type	Label	Required	Documentation
A_B_C_Name	string		<input type="checkbox"/>	
record_id	string		<input checked="" type="checkbox"/>	

7.1.2 Accounts: Knack Accounts

Catalog: Knack

Schema: Objects

Primary Keys: record_id

Label: Accounts

Can retrieve data and change data using insert, update and delete.

Select Knack API URL: /objects/object_2/records

Insert Knack API URL: /objects/object_2/records

Update Knack API URL: /objects/object_2/records

Delete Knack API URL: /objects/object_2/records

Field Selection Method: NotRequired

Base Path: records [*]

Table Columns

The columns of the table Accounts are shown below. Each column has an SQL data type. A new non-null value must be provided for every required column at all times during insert or update.

Name	Data Type	Label	Required	Documentation
Email_email	string		<input type="checkbox"/>	
Email_label	string		<input type="checkbox"/>	
Name_firstname	string		<input type="checkbox"/>	
Name_lastname	string		<input type="checkbox"/>	
Name_middlename	string		<input type="checkbox"/>	
Name_title	string		<input type="checkbox"/>	
Passw ord	string		<input type="checkbox"/>	
record_id	string		<input checked="" type="checkbox"/>	
User_Roles	string		<input type="checkbox"/>	
User_Status	string		<input type="checkbox"/>	

7.1.3 Companies: Knack Companies

Catalog: Knack

Schema: Objects

Primary Keys: record_id

Label: Companies

Can retrieve data and change data using insert, update and delete.

Select Knack API URL: /objects/object_6/records

Insert Knack API URL: /objects/object_6/records

Update Knack API URL: /objects/object_6/records

Delete Knack API URL: /objects/object_6/records

Field Selection Method: NotRequired

Base Path: records [*]

Table Columns

The columns of the table Companies are shown below. Each column has an SQL data type. A new non-null value must be provided for every required column at all times during insert or update.

Name	Data Type	Label	Required	Documentation
Address_city	string		<input type="checkbox"/>	
Address_state	string		<input type="checkbox"/>	
Address_street	string		<input type="checkbox"/>	
Address_street2	string		<input type="checkbox"/>	
Address_zip	string		<input type="checkbox"/>	
Companies_Name	string		<input type="checkbox"/>	
Description	string		<input type="checkbox"/>	
Industry	string		<input type="checkbox"/>	
Logo_filename	string		<input type="checkbox"/>	
Logo_s3	boolean		<input type="checkbox"/>	
Logo_size	int32		<input type="checkbox"/>	
Logo_thumb_url	string		<input type="checkbox"/>	
Logo_type	string		<input type="checkbox"/>	
Logo_url	string		<input type="checkbox"/>	
Notes	string		<input type="checkbox"/>	
Phone	string		<input type="checkbox"/>	
record_id	string		<input checked="" type="checkbox"/>	
Website_label	string		<input type="checkbox"/>	
Website_url	string		<input type="checkbox"/>	

7.1.4 CompaniesExpanded: Knack Companies

Catalog: Knack

Schema: Objects

Primary Keys: record_id

Label: Companies

Can retrieve data and change data using insert, update and delete.

Select Knack API URL: /objects/object_6/records

Insert Knack API URL: /objects/object_6/records

Update Knack API URL: /objects/object_6/records

Delete Knack API URL: /objects/object_6/records

Field Selection Method: NotRequired

Base Path: records [*]

Table Columns

The columns of the table CompaniesExpanded are shown below. Each column has an SQL data type. A new non-null value must be provided for every required column at all times during insert or update.

Name	Data Type	Label	Required	Documentation
Address_city	string		<input type="checkbox"/>	
Address_state	string		<input type="checkbox"/>	
Address_street	string		<input type="checkbox"/>	
Address_street2	string		<input type="checkbox"/>	
Address_zip	string		<input type="checkbox"/>	
Companies_Name	string		<input type="checkbox"/>	
Description	string		<input type="checkbox"/>	
Industry	string		<input type="checkbox"/>	
Logo_data	byte[]		<input type="checkbox"/>	
Logo_filename	string		<input type="checkbox"/>	
Logo_s3	boolean		<input type="checkbox"/>	
Logo_size	int32		<input type="checkbox"/>	
Logo_thumb_url	string		<input type="checkbox"/>	
Logo_type	string		<input type="checkbox"/>	
Logo_url	string		<input type="checkbox"/>	
Notes	string		<input type="checkbox"/>	
Phone	string		<input type="checkbox"/>	
record_id	string		<input checked="" type="checkbox"/>	
Website_label	string		<input type="checkbox"/>	
Website_url	string		<input type="checkbox"/>	

7.1.5 Contacts: Knack Contacts

Catalog: Knack

Schema: Objects

Primary Keys: record_id

Label: Contacts

Can retrieve data and change data using insert, update and delete.

Select Knack API URL: /objects/object_7/records

Insert Knack API URL: /objects/object_7/records

Update Knack API URL: /objects/object_7/records

Delete Knack API URL: /objects/object_7/records

Field Selection Method: NotRequired

Base Path: records [*]

Table Columns

The columns of the table Contacts are shown below. Each column has an SQL data type. A new non-null value must be provided for every required column at all times during insert or update.

Name	Data Type	Label	Required	Documentation
Address_city	string		<input type="checkbox"/>	
Address_state	string		<input type="checkbox"/>	
Address_street	string		<input type="checkbox"/>	
Address_street2	string		<input type="checkbox"/>	
Address_zip	string		<input type="checkbox"/>	
Birthday	datetime		<input type="checkbox"/>	
Contacts_Name	string		<input type="checkbox"/>	
Email_email	string		<input type="checkbox"/>	
Email_label	string		<input type="checkbox"/>	
Gender	string		<input type="checkbox"/>	
Image_filename	string		<input type="checkbox"/>	
Image_s3	boolean		<input type="checkbox"/>	
Image_size	int32		<input type="checkbox"/>	
Image_thumb_url	string		<input type="checkbox"/>	
Image_type	string		<input type="checkbox"/>	
Image_url	string		<input type="checkbox"/>	
Notes	string		<input type="checkbox"/>	
Occupation	string		<input type="checkbox"/>	
Phone	string		<input type="checkbox"/>	
record_id	string		<input checked="" type="checkbox"/>	

7.1.6 ContactsExpanded: Knack Contacts

Catalog: Knack

Schema: Objects

Primary Keys: record_id

Label: Contacts

Can retrieve data and change data using insert, update and delete.

Select Knack API URL: /objects/object_7/records

Insert Knack API URL: /objects/object_7/records

Update Knack API URL: /objects/object_7/records

Delete Knack API URL: /objects/object_7/records

Field Selection Method: NotRequired

Base Path: records [*]

Table Columns

The columns of the table ContactsExpanded are shown below. Each column has an SQL data type. A new non-null value must be provided for every required column at all times during insert or update.

Name	Data Type	Label	Required	Documentation
Address_city	string		<input type="checkbox"/>	
Address_state	string		<input type="checkbox"/>	
Address_street	string		<input type="checkbox"/>	
Address_street2	string		<input type="checkbox"/>	
Address_zip	string		<input type="checkbox"/>	
Birthday	datetime		<input type="checkbox"/>	
Contacts_Name	string		<input type="checkbox"/>	
Email_email	string		<input type="checkbox"/>	
Email_label	string		<input type="checkbox"/>	
Gender	string		<input type="checkbox"/>	
Image_data	byte[]		<input type="checkbox"/>	
Image_filename	string		<input type="checkbox"/>	
Image_s3	boolean		<input type="checkbox"/>	
Image_size	int32		<input type="checkbox"/>	
Image_thumb_url	string		<input type="checkbox"/>	
Image_type	string		<input type="checkbox"/>	
Image_url	string		<input type="checkbox"/>	
Notes	string		<input type="checkbox"/>	
Occupation	string		<input type="checkbox"/>	
Phone	string		<input type="checkbox"/>	
record_id	string		<input checked="" type="checkbox"/>	

7.1.7 DateTest: Knack DateTests

Catalog: Knack

Schema: Objects

Primary Keys: record_id

Label: DateTests

Can retrieve data and change data using insert, update and delete.

Select Knack API URL: /objects/object_10/records

Insert Knack API URL: /objects/object_10/records

Update Knack API URL: /objects/object_10/records

Delete Knack API URL: /objects/object_10/records

Field Selection Method: NotRequired

Base Path: records [*]

Table Columns

The columns of the table DateTest are shown below. Each column has an SQL data type. A new non-null value must be provided for every required column at all times during insert or update.

Name	Data Type	Label	Required	Documentation
a	datetime		<input type="checkbox"/>	
n	decimal		<input type="checkbox"/>	
Name_firstname	string		<input type="checkbox"/>	
Name_lastname	string		<input type="checkbox"/>	
Name_middlename	string		<input type="checkbox"/>	
Name_title	string		<input type="checkbox"/>	
record_id	string		<input checked="" type="checkbox"/>	
t	string		<input type="checkbox"/>	

7.1.8 Journals: Knack Journals

Catalog: Knack

Schema: Objects

Primary Keys: record_id

Label: Journals

Can retrieve data and change data using insert, update and delete.

Select Knack API URL: /objects/object_1/records

Insert Knack API URL: /objects/object_1/records

Update Knack API URL: /objects/object_1/records

Delete Knack API URL: /objects/object_1/records

Field Selection Method: NotRequired

Base Path: records [*]

Table Columns

The columns of the table Journals are shown below. Each column has an SQL data type. A new non-null value must be provided for every required column at all times during insert or update.

Name	Data Type	Label	Required	Documentation
Code	string		<input type="checkbox"/>	
Company_id	string		<input type="checkbox"/>	
Company_identifier	string		<input type="checkbox"/>	
Description	string		<input type="checkbox"/>	
Multiple_Choice	string		<input type="checkbox"/>	
record_id	string		<input checked="" type="checkbox"/>	
Text_Formula	string		<input type="checkbox"/>	

7.1.9 JournalsMultiple_Choice: Knack Multiple choices for Journals

Catalog: Knack

Schema: Objects

Primary Keys: record_id

Label: Multiple choices for Journals

Can retrieve data and change data using insert, update and delete.

Select Knack API URL: /objects/object_1/records

Insert Knack API URL: /objects/object_1/records

Update Knack API URL: /objects/object_1/records

Delete Knack API URL: /objects/object_1/records

Field Selection Method: NotRequired

Base Path: records [*] .field_82_raw[*]

Table Columns

The columns of the table JournalsMultiple_Choice are shown below. Each column has an SQL data type. A new non-null value must be provided for every required column at all times during insert or update.

Name	Data Type	Label	Required	Documentation
record_id	string		<input checked="" type="checkbox"/>	
value	string		<input checked="" type="checkbox"/>	

7.1.10 OrdersObject: Knack OrdersObjects

Catalog: Knack

Schema: Objects

Primary Keys: record_id

Label: OrdersObjects

Can retrieve data and change data using insert, update and delete.

Select Knack API URL: /objects/object_8/records

Insert Knack API URL: /objects/object_8/records

Update Knack API URL: /objects/object_8/records

Delete Knack API URL: /objects/object_8/records

Field Selection Method: NotRequired

Base Path: records [*]

Table Columns

The columns of the table OrdersObject are shown below. Each column has an SQL data type. A new non-null value must be provided for every required column at all times during insert or update.

Name	Data Type	Label	Required	Documentation
Customer	string		<input type="checkbox"/>	
Description	string		<input type="checkbox"/>	
Order_Date	datetime		<input type="checkbox"/>	
Order_ID	decimal		<input type="checkbox"/>	
Orders_Name	string		<input type="checkbox"/>	
Product_Name	string		<input type="checkbox"/>	
record_id	string		<input checked="" type="checkbox"/>	
Ship_Date	datetime		<input type="checkbox"/>	
Ship_Type	string		<input type="checkbox"/>	
Shipping_Address_city	string		<input type="checkbox"/>	
Shipping_Address_state	string		<input type="checkbox"/>	
Shipping_Address_street	string		<input type="checkbox"/>	
Shipping_Address_street2	string		<input type="checkbox"/>	
Shipping_Address_zip	string		<input type="checkbox"/>	
Status	string		<input type="checkbox"/>	
Total	decimal		<input type="checkbox"/>	

7.1.11 Payments: Knack Payments

Catalog: Knack

Schema: Objects

Primary Keys: record_id

Label: Payments

Can retrieve data and change data using insert, update and delete.

Select Knack API URL: /objects/object_9/records

Insert Knack API URL: /objects/object_9/records

Update Knack API URL: /objects/object_9/records

Delete Knack API URL: /objects/object_9/records

Field Selection Method: NotRequired

Base Path: records [*]

Table Columns

The columns of the table Payments are shown below. Each column has an SQL data type. A new non-null value must be provided for every required column at all times during insert or update.

Name	Data Type	Label	Required	Documentation
Account_id	string		<input type="checkbox"/>	
Account_identifier	string		<input type="checkbox"/>	
Amount	decimal		<input type="checkbox"/>	
Charge	string		<input type="checkbox"/>	
Date	datetime		<input type="checkbox"/>	
Description	string		<input type="checkbox"/>	
ID	string		<input type="checkbox"/>	
IP_Address	string		<input type="checkbox"/>	
Notes	string		<input type="checkbox"/>	
Processor	string		<input type="checkbox"/>	
record_id	string		<input checked="" type="checkbox"/>	
Source	string		<input type="checkbox"/>	
Status	string		<input type="checkbox"/>	

7.1.12 Products: Knack Products

Catalog: Knack

Schema: Objects

Primary Keys: record_id

Label: Products

Can retrieve data and change data using insert, update and delete.

Select Knack API URL: /objects/object_3/records

Insert Knack API URL: /objects/object_3/records

Update Knack API URL: /objects/object_3/records

Delete Knack API URL: /objects/object_3/records

Field Selection Method: NotRequired

Base Path: records [*]

Table Columns

The columns of the table Products are shown below. Each column has an SQL data type. A new non-null value must be provided for every required column at all times during insert or update.

Name	Data Type	Label	Required	Documentation
Available	boolean		<input type="checkbox"/>	
Description	string		<input type="checkbox"/>	
Image_filename	string		<input type="checkbox"/>	
Image_s3	boolean		<input type="checkbox"/>	
Image_size	int32		<input type="checkbox"/>	
Image_thumb_url	string		<input type="checkbox"/>	
Image_type	string		<input type="checkbox"/>	
Image_url	string		<input type="checkbox"/>	
Price	decimal		<input type="checkbox"/>	
Product_ID	decimal		<input type="checkbox"/>	
Products_Name_id	string		<input type="checkbox"/>	
Products_Name_identifier	string		<input type="checkbox"/>	
record_id	string		<input checked="" type="checkbox"/>	

7.1.13 ProductsExpanded: Knack Products

Catalog: Knack

Schema: Objects

Primary Keys: record_id

Label: Products

Can retrieve data and change data using insert, update and delete.

Select Knack API URL: /objects/object_3/records

Insert Knack API URL: /objects/object_3/records

Update Knack API URL: /objects/object_3/records

Delete Knack API URL: /objects/object_3/records

Field Selection Method: NotRequired

Base Path: records [*]

Table Columns

The columns of the table ProductsExpanded are shown below. Each column has an SQL data type. A new non-null value must be provided for every required column at all times during insert or update.

Name	Data Type	Label	Required	Documentation
Available	boolean		<input type="checkbox"/>	
Description	string		<input type="checkbox"/>	
Image_data	byte[]		<input type="checkbox"/>	
Image_filename	string		<input type="checkbox"/>	
Image_s3	boolean		<input type="checkbox"/>	
Image_size	int32		<input type="checkbox"/>	
Image_thumb_url	string		<input type="checkbox"/>	
Image_type	string		<input type="checkbox"/>	
Image_url	string		<input type="checkbox"/>	
Price	decimal		<input type="checkbox"/>	
Product_ID	decimal		<input type="checkbox"/>	
Products_Name_id	string		<input type="checkbox"/>	
Products_Name_identifier	string		<input type="checkbox"/>	
record_id	string		<input checked="" type="checkbox"/>	

7.1.14 Test: Knack Tests

Catalog: Knack

Schema: Objects

Primary Keys: record_id

Label: Tests

Can retrieve data and change data using insert, update and delete.

Select Knack API URL: /objects/object_4/records

Insert Knack API URL: /objects/object_4/records

Update Knack API URL: /objects/object_4/records

Delete Knack API URL: /objects/object_4/records

Field Selection Method: NotRequired

Base Path: records [*]

Table Columns

The columns of the table Test are shown below. Each column has an SQL data type. A new non-null value must be provided for every required column at all times during insert or update.

Name	Data Type	Label	Required	Documentation
AddressWithGeocoding_city	string		<input type="checkbox"/>	
AddressWithGeocoding_latitude	decimal		<input type="checkbox"/>	
AddressWithGeocoding_longitude	decimal		<input type="checkbox"/>	
AddressWithGeocoding_state	string		<input type="checkbox"/>	
AddressWithGeocoding_street	string		<input type="checkbox"/>	
AddressWithGeocoding_street2	string		<input type="checkbox"/>	
AddressWithGeocoding_zip	string		<input type="checkbox"/>	
Auto_Increment	decimal		<input type="checkbox"/>	
Currency	decimal		<input type="checkbox"/>	
Date_Time	datetime		<input type="checkbox"/>	
Email_email	string		<input type="checkbox"/>	
Email_label	string		<input type="checkbox"/>	
Equation	decimal		<input type="checkbox"/>	
File_filename	string		<input type="checkbox"/>	
File_s3	boolean		<input type="checkbox"/>	
File_size	int32		<input type="checkbox"/>	
File_thumb_url	string		<input type="checkbox"/>	
File_type	string		<input type="checkbox"/>	
File_url	string		<input type="checkbox"/>	
Image_filename	string		<input type="checkbox"/>	
Image_s3	boolean		<input type="checkbox"/>	
Image_size	int32		<input type="checkbox"/>	
Image_thumb_url	string		<input type="checkbox"/>	
Image_type	string		<input type="checkbox"/>	
Image_url	string		<input type="checkbox"/>	
IntlAddress_city	string		<input type="checkbox"/>	
IntlAddress_state	string		<input type="checkbox"/>	
IntlAddress_street	string		<input type="checkbox"/>	
IntlAddress_street2	string		<input type="checkbox"/>	
IntlAddress_zip	string		<input type="checkbox"/>	
IntlAddressLatLng_latitude	decimal		<input type="checkbox"/>	
IntlAddressLatLng_longitude	decimal		<input type="checkbox"/>	
IntlAddressWithCountry_city	string		<input type="checkbox"/>	
IntlAddressWithCountry_country	string		<input type="checkbox"/>	
IntlAddressWithCountry_state	string		<input type="checkbox"/>	
IntlAddressWithCountry_street	string		<input type="checkbox"/>	
IntlAddressWithCountry_street2	string		<input type="checkbox"/>	
IntlAddressWithCountry_zip	string		<input type="checkbox"/>	
Link_label	string		<input type="checkbox"/>	
Link_url	string		<input type="checkbox"/>	
Multiple_Choice	string		<input type="checkbox"/>	

Name	Data Type	Label	Required	Documentation
Name_firstname	string		<input type="checkbox"/>	
Name_lastname	string		<input type="checkbox"/>	
Name_middlename	string		<input type="checkbox"/>	
Name_title	string		<input type="checkbox"/>	
Number	decimal		<input type="checkbox"/>	
Paragraph_Text	string		<input type="checkbox"/>	
Phone	string		<input type="checkbox"/>	
Rating	decimal		<input type="checkbox"/>	
record_id	string		<input checked="" type="checkbox"/>	
Rich_Text	string		<input type="checkbox"/>	
Signature_base30	string		<input type="checkbox"/>	
Signature_svg	string		<input type="checkbox"/>	
Test_Name	string		<input type="checkbox"/>	
Text_Formula	string		<input type="checkbox"/>	
Timer_from_min	datetime		<input type="checkbox"/>	
Timer_stop_count	int32		<input type="checkbox"/>	
Timer_to_max	datetime		<input type="checkbox"/>	
Timer_total_time	int64		<input type="checkbox"/>	
USAddress_city	string		<input type="checkbox"/>	
USAddress_state	string		<input type="checkbox"/>	
USAddress_street	string		<input type="checkbox"/>	
USAddress_street2	string		<input type="checkbox"/>	
USAddress_zip	string		<input type="checkbox"/>	
Yes_No	boolean		<input type="checkbox"/>	

7.1.15 TestcaseIUD: Knack TestcaseIUDs

Catalog: Knack

Schema: Objects

Primary Keys: record_id

Label: TestcaselUDs

Can retrieve data and change data using insert, update and delete.

Select Knack API URL: /objects/object_11/records

Insert Knack API URL: /objects/object_11/records

Update Knack API URL: /objects/object_11/records

Delete Knack API URL: /objects/object_11/records

Field Selection Method: NotRequired

Base Path: records [*]

Table Columns

The columns of the table `TestcaseIUD` are shown below. Each column has an SQL data type. A new non-null value must be provided for every required column at all times during insert or update.

Name	Data Type	Label	Required	Documentation
File_filename	string		<input type="checkbox"/>	
File_s3	boolean		<input type="checkbox"/>	
File_size	int32		<input type="checkbox"/>	
File_thumb_url	string		<input type="checkbox"/>	
File_type	string		<input type="checkbox"/>	
File_url	string		<input type="checkbox"/>	
ID	decimal		<input type="checkbox"/>	
Image_filename	string		<input type="checkbox"/>	
Image_s3	boolean		<input type="checkbox"/>	
Image_size	int32		<input type="checkbox"/>	
Image_thumb_url	string		<input type="checkbox"/>	
Image_type	string		<input type="checkbox"/>	
Image_url	string		<input type="checkbox"/>	
Name	string		<input type="checkbox"/>	
record_id	string		<input checked="" type="checkbox"/>	

7.1.16 TestcaseIUDExpanded: Knack TestcaseIUDs

Catalog: Knack

Schema: Objects

Primary Keys: record_id

Label: TestcaselUDs

Can retrieve data and change data using insert, update and delete.

Select Knack API URL: /objects/object_11/records

Insert Knack API URL: /objects/object_11/records

Update Knack API URL: /objects/object_11/records

Delete Knack API URL: /objects/object_11/records

Field Selection Method: NotRequired

Base Path: records [*]

Table Columns

The columns of the table `TestcaseIUDExpanded` are shown below. Each column has an SQL data type. A new non-null value must be provided for every required column at all times during insert or update.

Name	Data Type	Label	Required	Documentation
File_data	byte[]		<input type="checkbox"/>	
File_filename	string		<input type="checkbox"/>	
File_s3	boolean		<input type="checkbox"/>	
File_size	int32		<input type="checkbox"/>	
File_thumb_url	string		<input type="checkbox"/>	
File_type	string		<input type="checkbox"/>	
File_url	string		<input type="checkbox"/>	
ID	decimal		<input type="checkbox"/>	
Image_data	byte[]		<input type="checkbox"/>	
Image_filename	string		<input type="checkbox"/>	
Image_s3	boolean		<input type="checkbox"/>	
Image_size	int32		<input type="checkbox"/>	
Image_thumb_url	string		<input type="checkbox"/>	
Image_type	string		<input type="checkbox"/>	
Image_url	string		<input type="checkbox"/>	
Name	string		<input type="checkbox"/>	
record_id	string		<input checked="" type="checkbox"/>	

7.1.17 TestExpanded: Knack Tests

Catalog: Knack

Schema: Objects

Primary Keys: record_id

Label: Tests

Can retrieve data and change data using insert, update and delete.

Select Knack API URL: /objects/object_4/records

Insert Knack API URL: /objects/object_4/records

Update Knack API URL: /objects/object_4/records

Delete Knack API URL: /objects/object_4/records

Field Selection Method: NotRequired

Base Path: records [*]

Table Columns

The columns of the table TestExpanded are shown below. Each column has an SQL data type. A new non-null value must be provided for every required column at all times during insert or update.

Name	Data Type	Label	Required	Documentation
AddressWithGeocoding_city	string		<input type="checkbox"/>	

Name	Data Type	Label	Required	Documentation
AddressWithGeocoding_latitude	decimal		<input type="checkbox"/>	
AddressWithGeocoding_longitude	decimal		<input type="checkbox"/>	
AddressWithGeocoding_state	string		<input type="checkbox"/>	
AddressWithGeocoding_street	string		<input type="checkbox"/>	
AddressWithGeocoding_street2	string		<input type="checkbox"/>	
AddressWithGeocoding_zip	string		<input type="checkbox"/>	
Auto_Increment	decimal		<input type="checkbox"/>	
Currency	decimal		<input type="checkbox"/>	
Date_Time	datetime		<input type="checkbox"/>	
Email_email	string		<input type="checkbox"/>	
Email_label	string		<input type="checkbox"/>	
Equation	decimal		<input type="checkbox"/>	
File_data	byte[]		<input type="checkbox"/>	
File_filename	string		<input type="checkbox"/>	
File_s3	boolean		<input type="checkbox"/>	
File_size	int32		<input type="checkbox"/>	
File_thumb_url	string		<input type="checkbox"/>	
File_type	string		<input type="checkbox"/>	
File_url	string		<input type="checkbox"/>	
Image_data	byte[]		<input type="checkbox"/>	
Image_filename	string		<input type="checkbox"/>	
Image_s3	boolean		<input type="checkbox"/>	
Image_size	int32		<input type="checkbox"/>	
Image_thumb_url	string		<input type="checkbox"/>	
Image_type	string		<input type="checkbox"/>	
Image_url	string		<input type="checkbox"/>	
IntlAddress_city	string		<input type="checkbox"/>	
IntlAddress_state	string		<input type="checkbox"/>	
IntlAddress_street	string		<input type="checkbox"/>	
IntlAddress_street2	string		<input type="checkbox"/>	
IntlAddress_zip	string		<input type="checkbox"/>	
IntlAddressLatLng_latitude	decimal		<input type="checkbox"/>	
IntlAddressLatLng_longitude	decimal		<input type="checkbox"/>	
IntlAddressWithCountry_city	string		<input type="checkbox"/>	
IntlAddressWithCountry_country	string		<input type="checkbox"/>	
IntlAddressWithCountry_state	string		<input type="checkbox"/>	
IntlAddressWithCountry_street	string		<input type="checkbox"/>	
IntlAddressWithCountry_street2	string		<input type="checkbox"/>	
IntlAddressWithCountry_zip	string		<input type="checkbox"/>	
Link_label	string		<input type="checkbox"/>	
Link_url	string		<input type="checkbox"/>	

Name	Data Type	Label	Required	Documentation
Multiple_Choice	string		<input type="checkbox"/>	
Name_firstname	string		<input type="checkbox"/>	
Name_lastname	string		<input type="checkbox"/>	
Name_middlename	string		<input type="checkbox"/>	
Name_title	string		<input type="checkbox"/>	
Number	decimal		<input type="checkbox"/>	
Paragraph_Text	string		<input type="checkbox"/>	
Phone	string		<input type="checkbox"/>	
Rating	decimal		<input type="checkbox"/>	
record_id	string		<input checked="" type="checkbox"/>	
Rich_Text	string		<input type="checkbox"/>	
Signature_base30	string		<input type="checkbox"/>	
Signature_svg	string		<input type="checkbox"/>	
Test_Name	string		<input type="checkbox"/>	
Text_Formula	string		<input type="checkbox"/>	
Timer_from_min	datetime		<input type="checkbox"/>	
Timer_stop_count	int32		<input type="checkbox"/>	
Timer_to_max	datetime		<input type="checkbox"/>	
Timer_total_time	int64		<input type="checkbox"/>	
USAAddress_city	string		<input type="checkbox"/>	
USAAddress_state	string		<input type="checkbox"/>	
USAAddress_street	string		<input type="checkbox"/>	
USAAddress_street2	string		<input type="checkbox"/>	
USAAddress_zip	string		<input type="checkbox"/>	
Yes_No	boolean		<input type="checkbox"/>	

7.1.18 testpho: Knack testphos

Catalog: Knack

Schema: Objects

Primary Keys: record_id

Label: testphos

Can retrieve data and change data using insert, update and delete.

Select Knack API URL: /objects/object_12/records

Insert Knack API URL: /objects/object_12/records

Update Knack API URL: /objects/object_12/records

Delete Knack API URL: /objects/object_12/records

Field Selection Method: NotRequired

Base Path: records [*]

Table Columns

The columns of the table testpho are shown below. Each column has an SQL data type. A new non-null value must be provided for every required column at all times during insert or update.

Name	Data Type	Label	Required	Documentation
datefield	datetime		<input type="checkbox"/>	
record_id	string		<input checked="" type="checkbox"/>	
text	string		<input type="checkbox"/>	

8 Schema: Product_Details

8.1 Tables

8.1.1 Product_Details

Catalog: Knack

Schema: Product_Details

This is a read-only table function. The Knack API may not support changing the data or the Invantive SQL driver for Knack does not cover it. In the latter case, please use the table NativePlatformScalarRequests to upload data to the Knack API.

Select Knack API URL: /pages/scene_6/views/view_9/records/{id}

Insert Knack API URL: /pages/scene_6/views/view_9/records/{id}

Update Knack API URL: /pages/scene_6/views/view_9/records/{id}

Delete Knack API URL: /pages/scene_6/views/view_9/records/{id}

Field Selection Method: NotRequired

Parameters of Table Function

The following parameters can be used to control the behaviour of the table function Product_Details. A value must be provided at all times for required parameters, but optional parameters in general do not need to have a value and the execution will default to a pre-defined behaviour. Values can be specified by position and by name. In both cases, all parameters not specified will be treated using their default values.

Value specification by position is done by listing all values from the first to the last needed value. For example with `select * from table(value1, value2, value3)` on a table with four parameters will use the default value for the fourth parameter and the specified values for the first three.

Value specification by name is done by listing all values that require a value. For example with `select * from table(name1 => value1, name3 => value3)` on the same table will use the default values for the second and fourth parameters and the specified values for the first and third.

Name	Data Type	Required	Default Value	Documentation
id	string	<input checked="" type="checkbox"/>		

Table Function Columns

The columns of the table function `Product_Details` are shown below. Each column has an SQL data type.

Name	Data Type	Label	Required	Documentation
DUMMY	string		<input checked="" type="checkbox"/>	Default column added since the specification specifies that no data is returned.
record_id	string		<input checked="" type="checkbox"/>	

9 Schema: ProductsMenu

9.1 Tables

9.1.1 Products: Knack Table

Catalog: Knack

Schema: ProductsMenu

Label: Table

This is a read-only view. The Knack API may not support changing the data or the Invantive SQL driver for Knack does not cover it. In the latter case, please use the table `NativePlatformScalarRequests` to upload data to the Knack API.

Select Knack API URL: `/pages/scene_5/views/view_7/records`

Insert Knack API URL: `/pages/scene_5/views/view_7/records`

Update Knack API URL: `/pages/scene_5/views/view_7/records`

Delete Knack API URL: `/pages/scene_5/views/view_7/records`

Field Selection Method: NotRequired

Base Path: records [*]

View Columns

The columns of the view `Products` are shown below. Each column has an SQL data type.

Name	Data Type	Label	Required	Documentation
Available	string		<input type="checkbox"/>	
Description	string		<input type="checkbox"/>	
Image	string		<input type="checkbox"/>	
Price	string		<input type="checkbox"/>	
Product_ID	string		<input type="checkbox"/>	
Products_Name	string		<input type="checkbox"/>	
record_id	string		<input checked="" type="checkbox"/>	

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