

FTP Data Model

for use with Invantive SQL

24.0

invantive
the SQL company

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

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1 Provider Ftp: FTP.

FTP.

Code for use in settings.xml: Ftp

Alias: ftp

Abbreviation: ftp

Status: Production

Available in Editions: Paid

String-comparison is Case-sensitive: true

Use Catalog in Full Name: true

Use Schema in Full Name: true

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Provider Attributes

The following provider attributes are available for Ftp:

Code	Description	Default Value	Set from Connection String	Set from Set SQL-Statement	Set from Providers File	Set from Log On
site	{res:itgen_ftp_site_description}		✓		✓	✓
port	{res:itgen_ftp_port_description}	21	✓		✓	✓
use-ssl	Use SSL for the connection (FTPS).	False	✓		✓	✓
use-passive	Use passive FTP(S) instead of active.	True	✓		✓	✓
use-binary	Use binary mode (true) or ASCII mode (false) transfers by default.	True	✓		✓	✓
timeout-connection-sec	Seconds to wait for a connection attempt to succeed before giving up.	30	✓		✓	✓
timeout-data-connection-sec	Seconds for a data connection to be established before giving up.	30	✓		✓	✓
timeout-data-read-sec	Seconds the data channel should wait for the server to send data.	30	✓		✓	✓
timeout-read-sec	Seconds for data to be read from the underlying stream.	30	✓		✓	✓
socket-poll-interval-sec	Seconds between two poll intervals when enabled.	15	✓		✓	✓
socket-keep-alive	Whether to keep the connection alive by polling.	False	✓		✓	✓
special-connection-type	Special connection types for specialized use.		✓		✓	✓
ssl-protocols	Comma-separated list of SSL protocols, defaults to TLS 1.1 and TLS 1.2.		✓		✓	✓
force-case-sensitive-identifiers	Consider identifiers as case-sensitive independent of the platform capabilities.	False	✓	✓	✓	

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Code	Description	Default Value	Set from Connection String	Set from Set SQL-Statement	Set from Providers File	Set from Log On
forced-casing-identifiers	Forced casing of identifiers. Choose from Unset, Lower, Upper and Mixed.		✓	✓	✓	
invantive-sql-forward-filters-to-data-containers	Whether to forward filters to data containers.	True	✓	✓	✓	
invantive-sql-shuffle-fetch-results-data-containers	Whether to shuffle results fetched from data containers.	False	✓	✓	✓	
invantive-use-cache	Whether to cache the results of a query.	True	✓	✓	✓	
maximum-length-identifiers	Non-default maximum length in characters of identifier names.		✓	✓	✓	
max-url-length-accepted	The maximum accepted URL length before raising an error.	8000	✓	✓	✓	
max-url-length-desired	The maximum desired URL length.	8000	✓	✓	✓	
partition-slot-based-rate-limit-length-ms	Total length in ms across all slots of a partition-based rate limit.	60000	✓		✓	
partition-slot-based-rate-limit-slots	Number of slots per partition-based rate limit. Null means no slot-based rate limit		✓		✓	
pre-request-delay-ms	Pre-request delay in milliseconds per request.	0	✓	✓	✓	
requests-parallel-max	Maximum number of parallel data requests from individual partitions on the data container.	32	✓	✓	✓	
slot-based-rate-limit-length-ms	Total length in ms across all slots of a slot-based rate limit.	60000	✓		✓	
slot-based-rate-limit-slots	Number of slots of a slot-based rate limit. Null means no slot-based rate limit		✓		✓	
standardize-identifiers	Rewrite all identifiers to the preferred standards as configured by standardize-identifiers-casing and maximum-length-identifiers.	True	✓	✓	✓	
standardize-identifiers-casing	Rewrite all identifiers to the recommended standard platform-specific casing when changing a data model on a case-dependent platform.	True	✓	✓	✓	
trace-native-calls	Trace native calls to data container backend.	False	✓	✓	✓	

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2 Catalog: FTP
2.1 Schemas
2.1.1 Schema:
2.1.1.1 Tables
DIRECTORIES: Directories

Name: DIRECTORIES

Catalog: FTP

Label: Directories

Documentation:

Directories.

Partition-specific: false

Select: true

Insert: true

Update: false

Delete: false

Table Columns

Name	Data Type	Label	Required	Documentation
remote_directory_path	string		☐	

FILE_CONTENTS: File Contents

Name: FILE_CONTENTS

Catalog: FTP

Label: File Contents

Documentation:

File contents.

Partition-specific: false

Select: true

Insert: true

Update: false

Delete: false

Parameters

Name	Data Type	Required	Default Value	Documentation
remote_directory_path	string	☐		
remote_file_name	string	☐		

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Table Columns

Name	Data Type	Label	Required	Documentation
contents	byte[]		☐	
remote_directory_path	string		☐	
remote_file_name	string		☐	

FILES_PER_FOLDER: Files per Folder

Name: FILES_PER_FOLDER

Catalog: FTP

Label: Files per Folder

Documentation:

Scan directory for file and directory names.

Partition-specific: false

Select: true

Insert: false

Update: false

Delete: false

Parameters

Name	Data Type	Required	Default Value	Documentation
remote_directory_path	string	☑		

Table Columns

Name	Data Type	Label	Required	Documentation
chmod	int32			File permissions.
date_created	datetime		☐	
date_last_modified	datetime		☐	
directory_name	string		☐	
file_name	string		☐	
group_permissions	string			Group permissions, combination of None, Execute, Read and Write.
link_count	int32			Number of files pointing to this file.
link_object_name	string			Full name of the link target.
link_target	string			Link target.
other_permissions	string			Other user permissions, combination of None, Execute,

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Name	Data Type	Label	Required	Documentation
				Read and Write.
owner_permissions	string			Owner permissions, combination of None, Execute, Read and Write.
raw_input	string			Input string parsed to generate this row.
raw_permissions	string			Input string parsed to generate the permissions.
size_bytes	int64		□	
special_permissions	string			Special permissions, such as sticky, SUID and SGID.
type	string			Type of file system object (file, directory or link).

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Invantive B.V.
Biesteweg 11
3849 RD Hierden
the Netherlands

Tel: +31 88 00 26 500
Fax: +31 84 22 58 178
info@invantive.com
invantive.com

IBAN NL25 BUNQ 2098 2586 07
Chamber of Industry and Commerce
13031406
VAT NL812602377B01
RSIN 8122602377
Managing Director: Guido Leenders
Registered office: Roermond

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