

Welcome to our webinar!



- This webinar resumes in 15 minutes 17:00 CET - please stay tuned
- This webinar will be recorded
- You will get the slides, recording, CSV files and SQL snippets
- During the webinar, you may ask questions using the Q&A button - you may ask questions anonymously
- You can hop on and off on all the sessions

Day 1	<div>15:00 - 15:45 Zendesk Support Stories</div> <div>15:45 - 16:00 Break</div> <div>16:00 - 16:45 Customer Case Study</div> <div>16:45 - 17:00 Break</div> <div>17:00 - 18:30 Overview over Data Virtuality Stored Procedural Language</div>

DATA VIRTUALITY

Topic: Overview over Data Virtuality Stored
Procedural Language

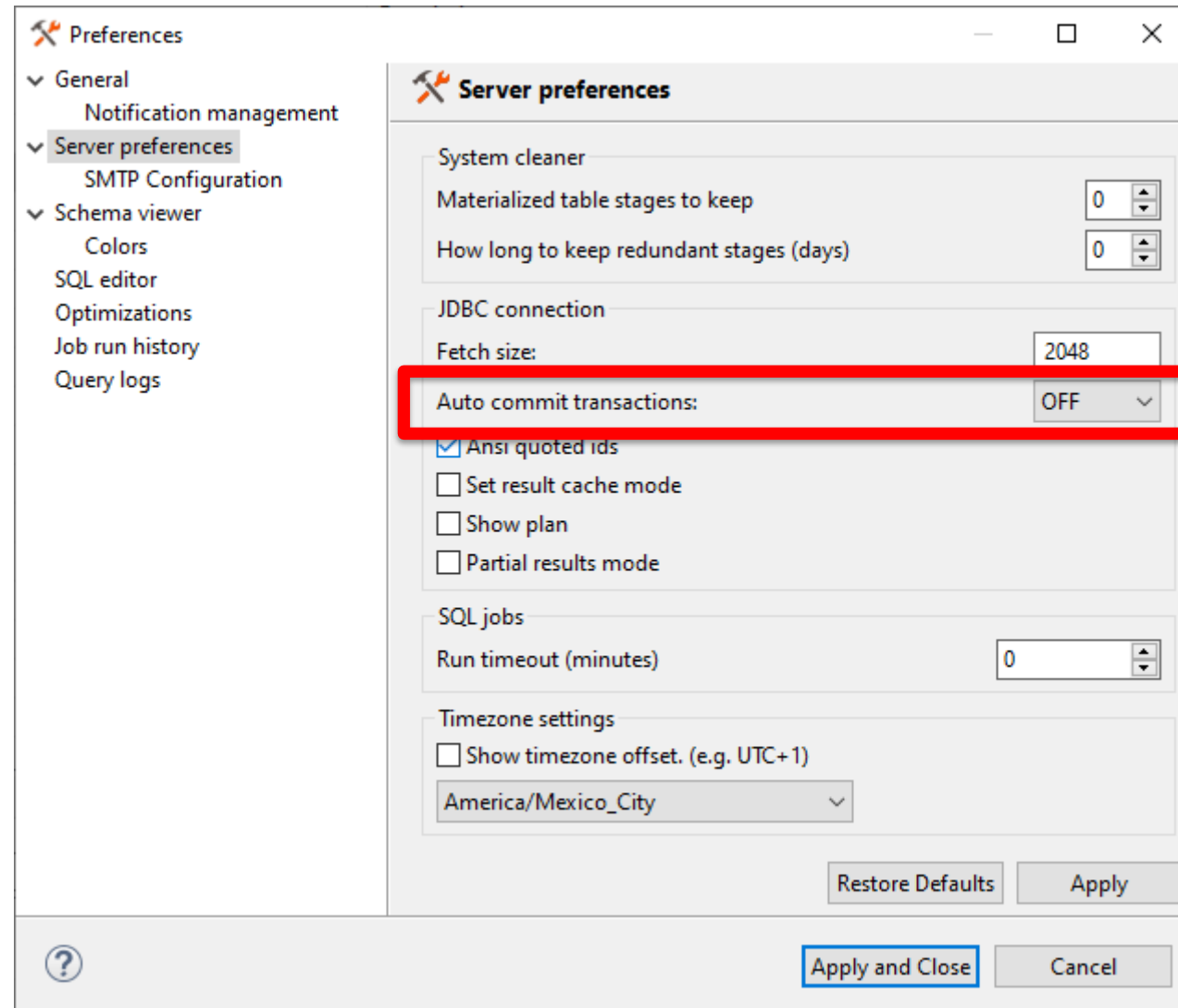
Agenda

- Configuring Data Virtuality Studio
- Basic Concepts
 - Stored procedure syntax
 - Creating tables
 - Transactions
 - Dynamic queries
 - Logging
- Advanced Concepts
 - Concatenating strings with JavaScript
 - Restartable operations
 - Caching sproc results

<https://documentation.datavirtuality.com/24/reference-guide/virtual-procedures-and-procedural-language>

Configuring Data Virtuality Studio

Configuring Data Virtuality Studio



Stored procedure syntax

Stored procedure syntax

Files:
SprocSyntax_01.sql
SprocSyntax_02.sql

Creating Tables

Creating Tables

```
create table dwh.test1(col1 string, col2 long not null, PRIMARY KEY (col1));  
  
select * into dwh.test2 from dwh.test1;;  
  
call "UTILS.prepareTargetTable"(...);;  
  
call "UTILS.createTable"(...);;  
  
call "UTILS.cleanTable"(...);;  
  
exec immediate 'create table dwh.test1(col1 string, col2 long not null, PRIMARY KEY (col1));' without return;
```

Files:
CreateTables01.sql
CreateTables02.sql

Transactions

Transactions

Basic concept of a transaction

1. Begin the transaction.
2. Execute a set of data manipulations and/or queries.
3. If no error occurs, then commit the transaction.
4. If an error occurs, then roll back the transaction.

Database transaction. (2021, June 29). In *Wikipedia*. https://en.wikipedia.org/wiki/Database_transaction

Dynamic Queries

Dynamic Queries

- Additive method
 - Uses string concatenation
- Replacement method
 - Uses string replacement
- Subtractive method
 - Uses string concatenation
 - Uses string replacement
 - Deletes unused sections

Files:
DynamicQueries_01.sql
DynamicQueries_02.sql

Logging

Logging

<https://documentation.datavirtuality.com/24/reference-guide/logging-monitoring-and-notifications>

Files:
Logging_01.sql

Concatenating strings with JavaScript

Restartable operations

Caching sproc results

Installing Samples

Any feedback / questions?

Thank you!

Please feel free to contact us at:
info@datavirtuality.com

or

visit us at:
datavirtuality.com