keep.
Preserving the future

Database preservation

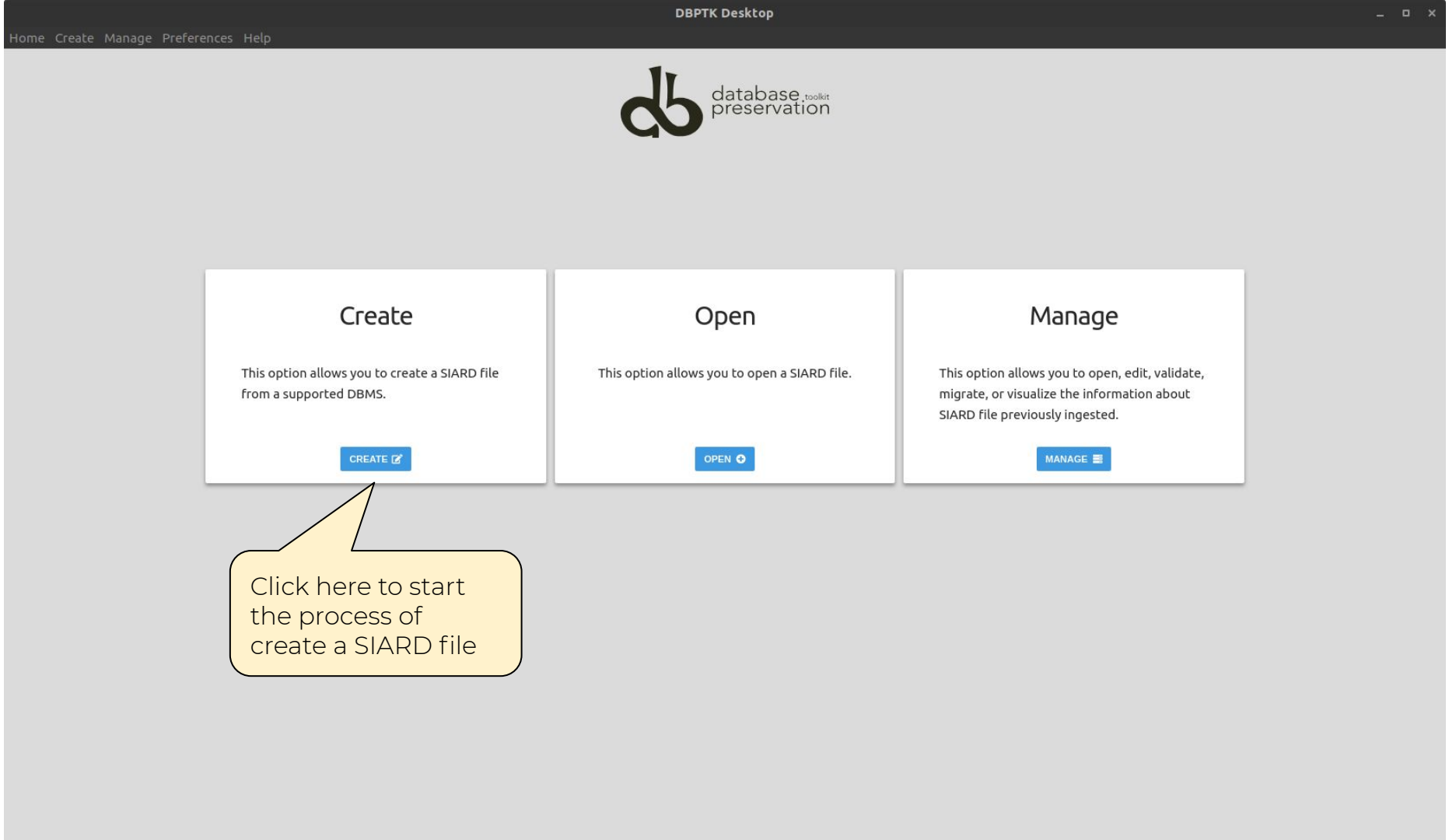
DPC training course

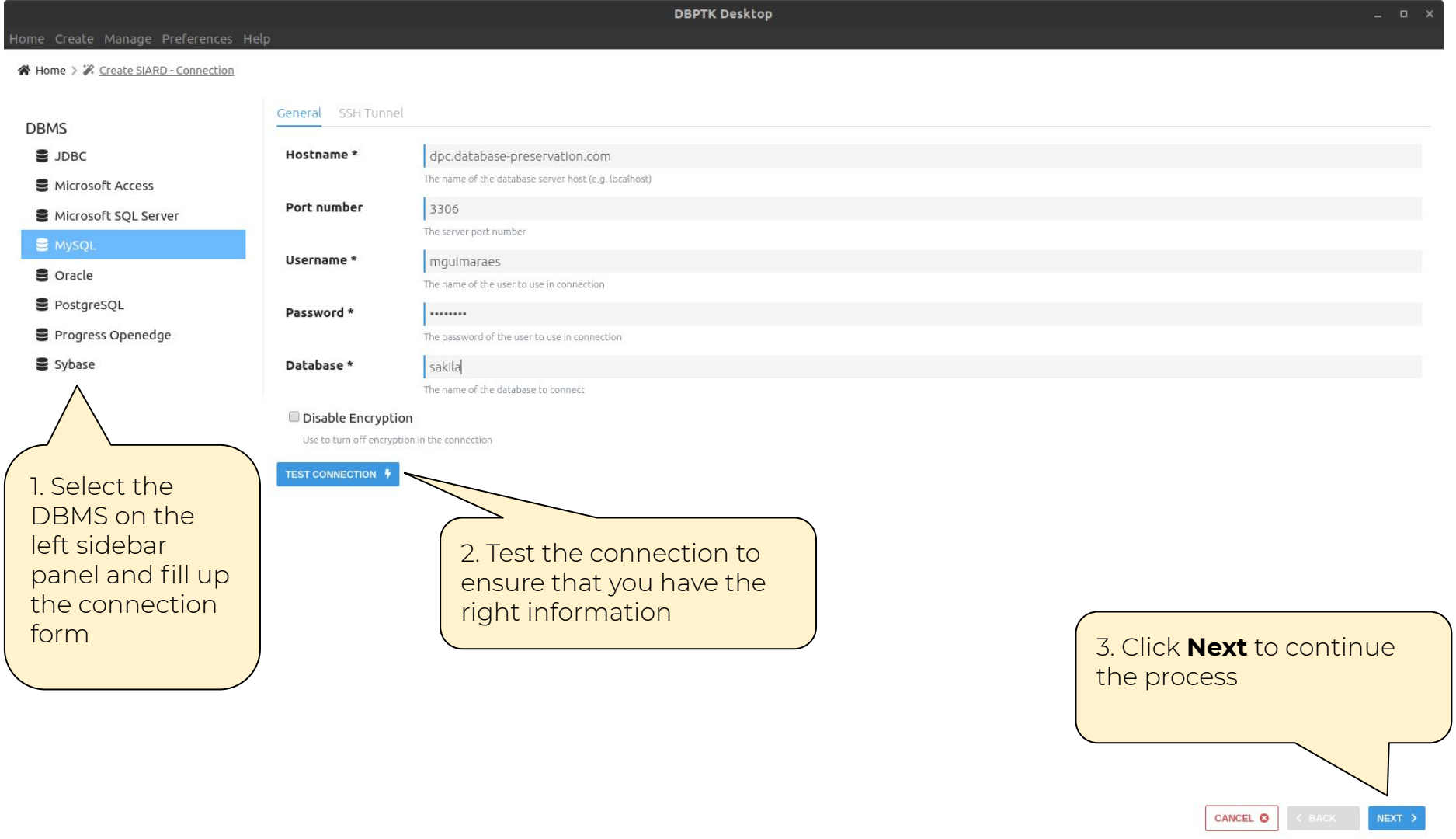
Practical session (basic features)

Resolution

www.keep.pt

Export provided sakila database (MySQL sample database) to SIARD


DBPTK Desktop
Home Create Manage Preferences Help
database toolkit preservation
Create
This option allows you to create a SIARD file from a supported DBMS.
CREATE
Open
This option allows you to open a SIARD file.
OPEN
Manage
This option allows you to open, edit, validate, migrate, or visualize the information about SIARD file previously ingested.
MANAGE
Click here to start the process of create a SIARD file


DBPTK Desktop
Home Create Manage Preferences Help
Home > Create SIARD - Connection
DBMS
JDBC
Microsoft Access
Microsoft SQL Server
MySQL
Oracle
PostgreSQL
Progress Openedge
Sybase
General
SSH Tunnel
Hostname *
dpc.database-preservation.com
The name of the database server host (e.g. localhost)
Port number
3306
The server port number
Username *
mguimaraes
The name of the user to use in connection
Password *
••••••••
The password of the user to use in connection
Database *
sakila
The name of the database to connect
Disable Encryption
Use to turn off encryption in the connection
TEST CONNECTION
1. Select the DBMS on the left sidebar panel and fill up the connection form
2. Test the connection to ensure that you have the right information
3. Click Next to continue the process
CANCEL
BACK
NEXT

DBPTK Desktop

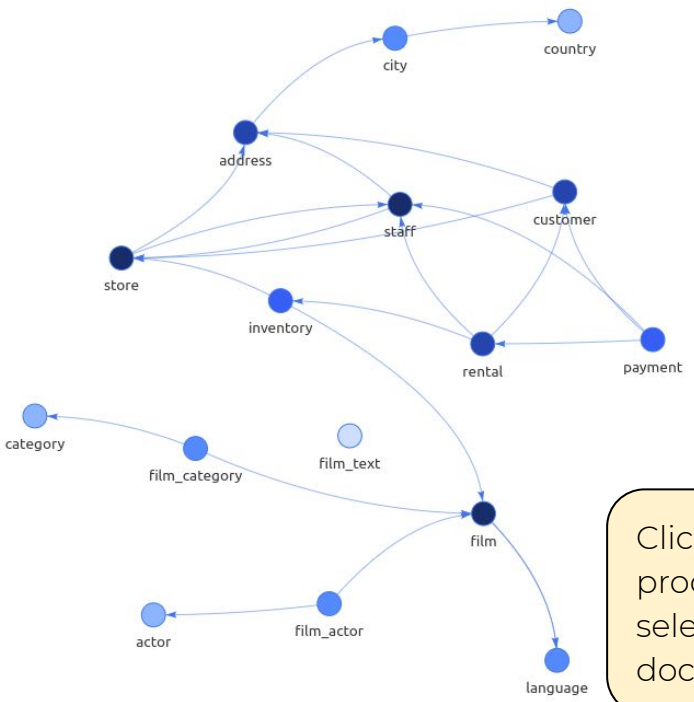
Home Create Manage Preferences Help

Home > Create SIARD - Select table and columns

Filter sidebar

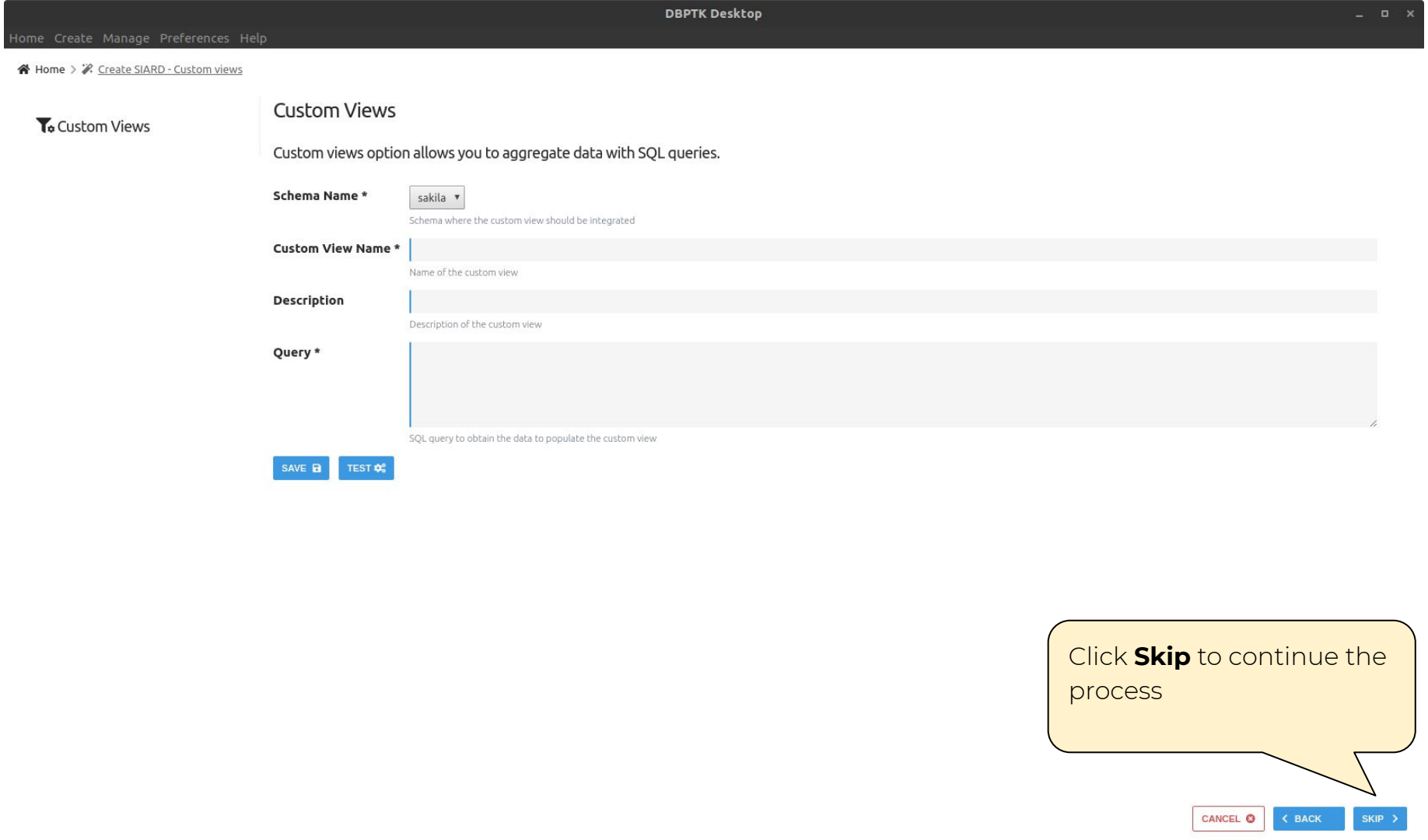
- Database
  - sakila
    - Tables
      - actor
      - address
      - category
      - city
      - country
      - customer
      - film
      - film_actor
      - film_category
      - film_text
      - inventory
      - language
      - payment
      - rental
      - staff
      - store
    - Views
      - actor_info
      - customer_list
      - film_list
      - nicer_but_slower_film_list
      - sales_by_film_category
      - sales_by_store
      - staff_list

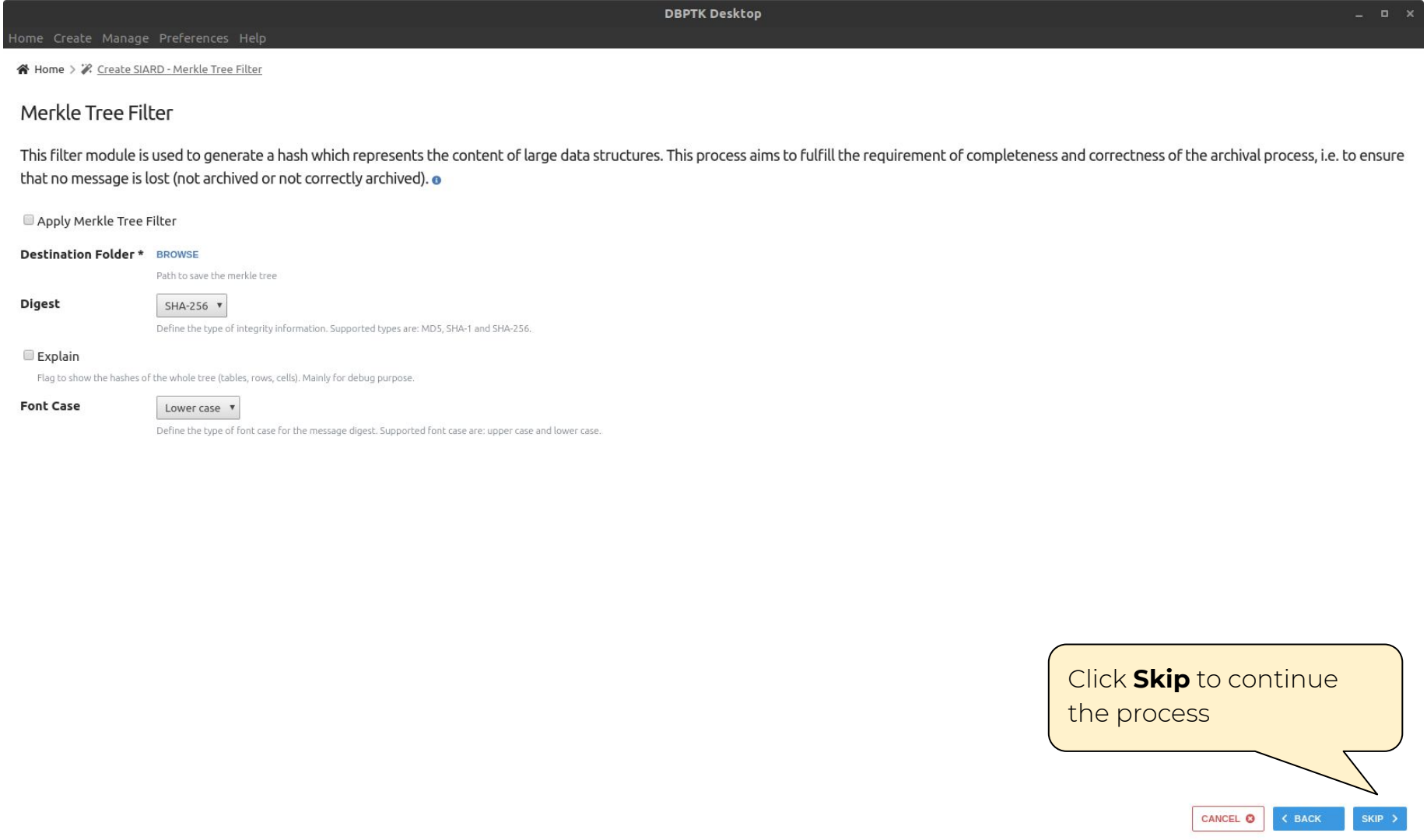
sakila

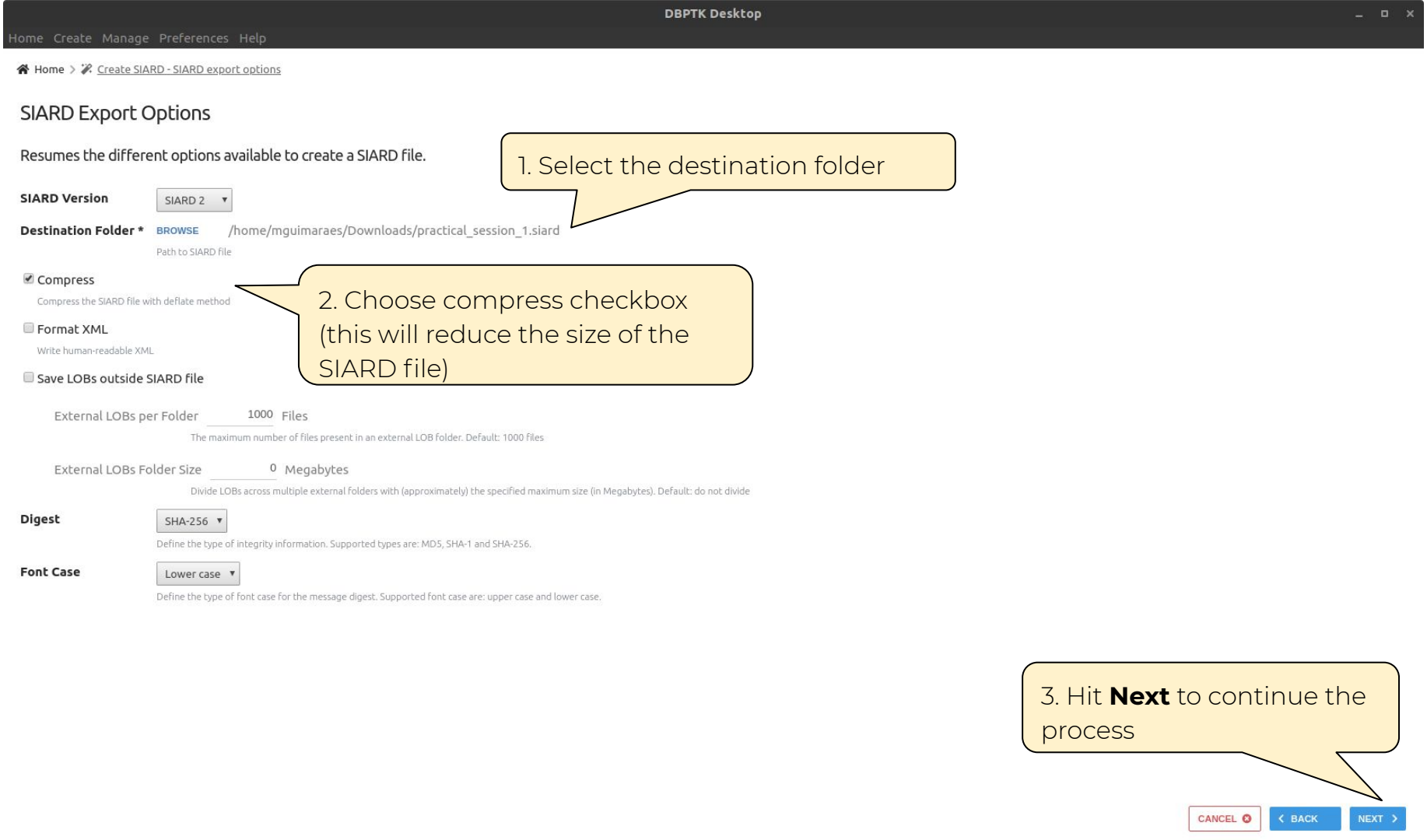


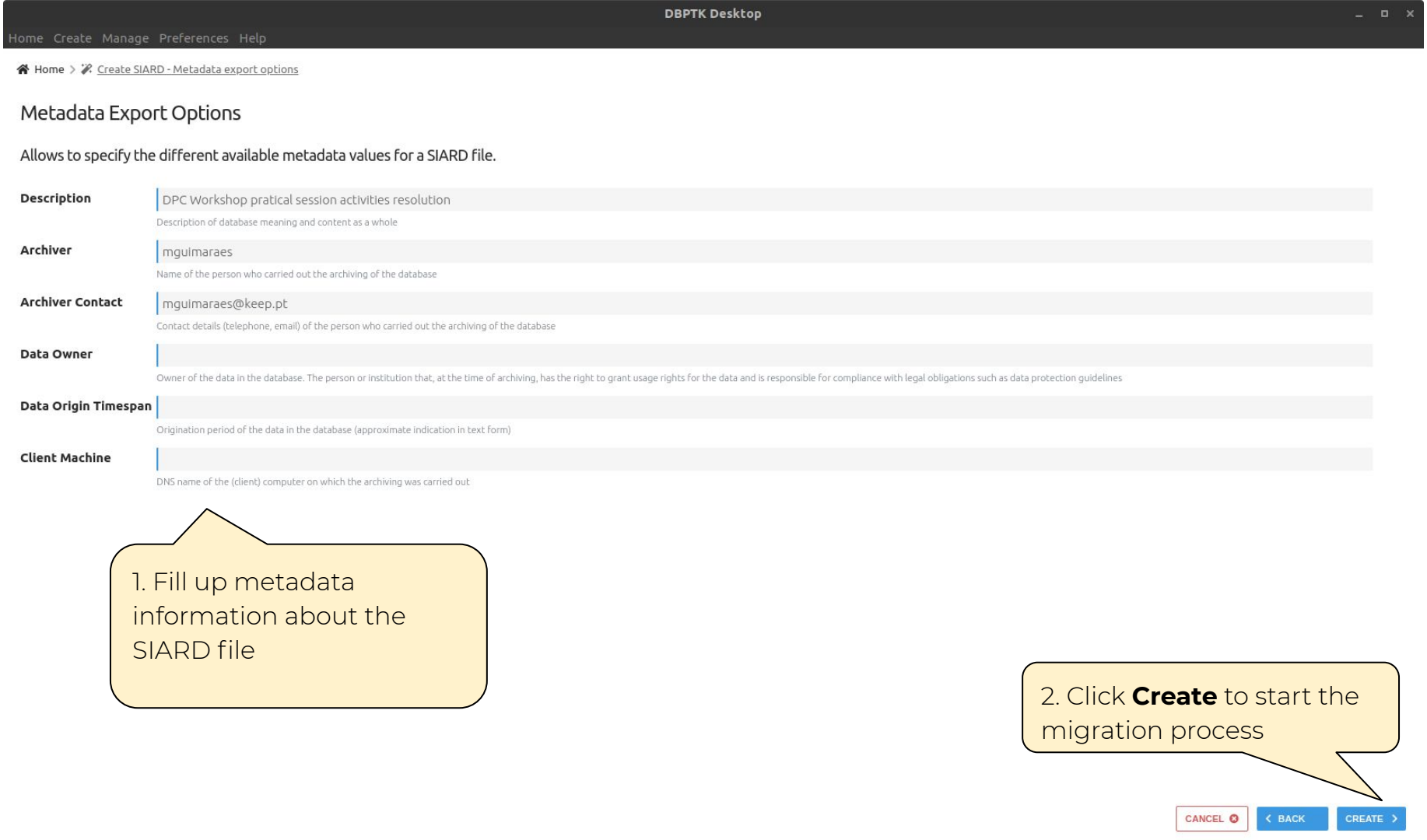
Click **Next** to continue the process. By default it will select all tables and document all views

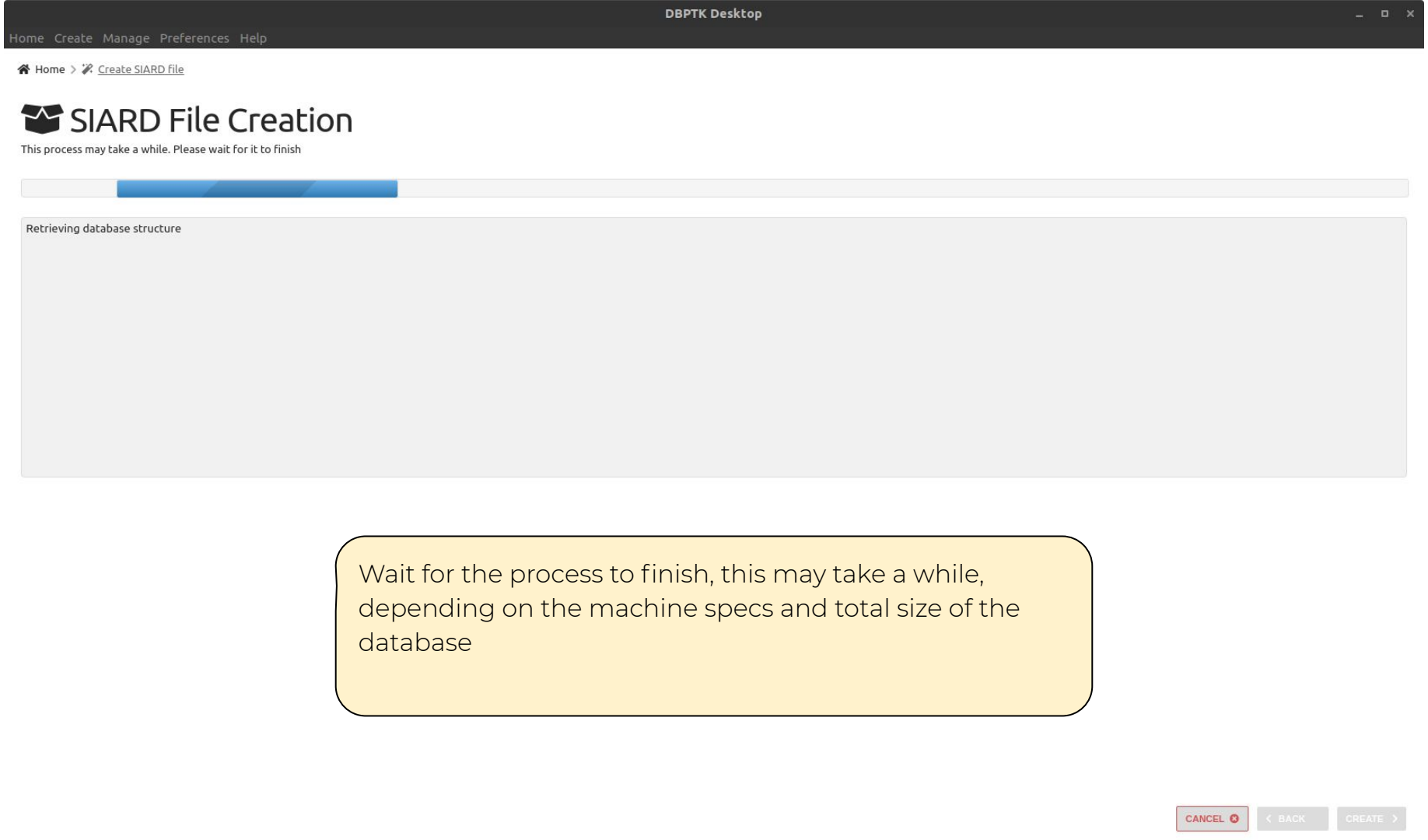
CANCEL BACK NEXT

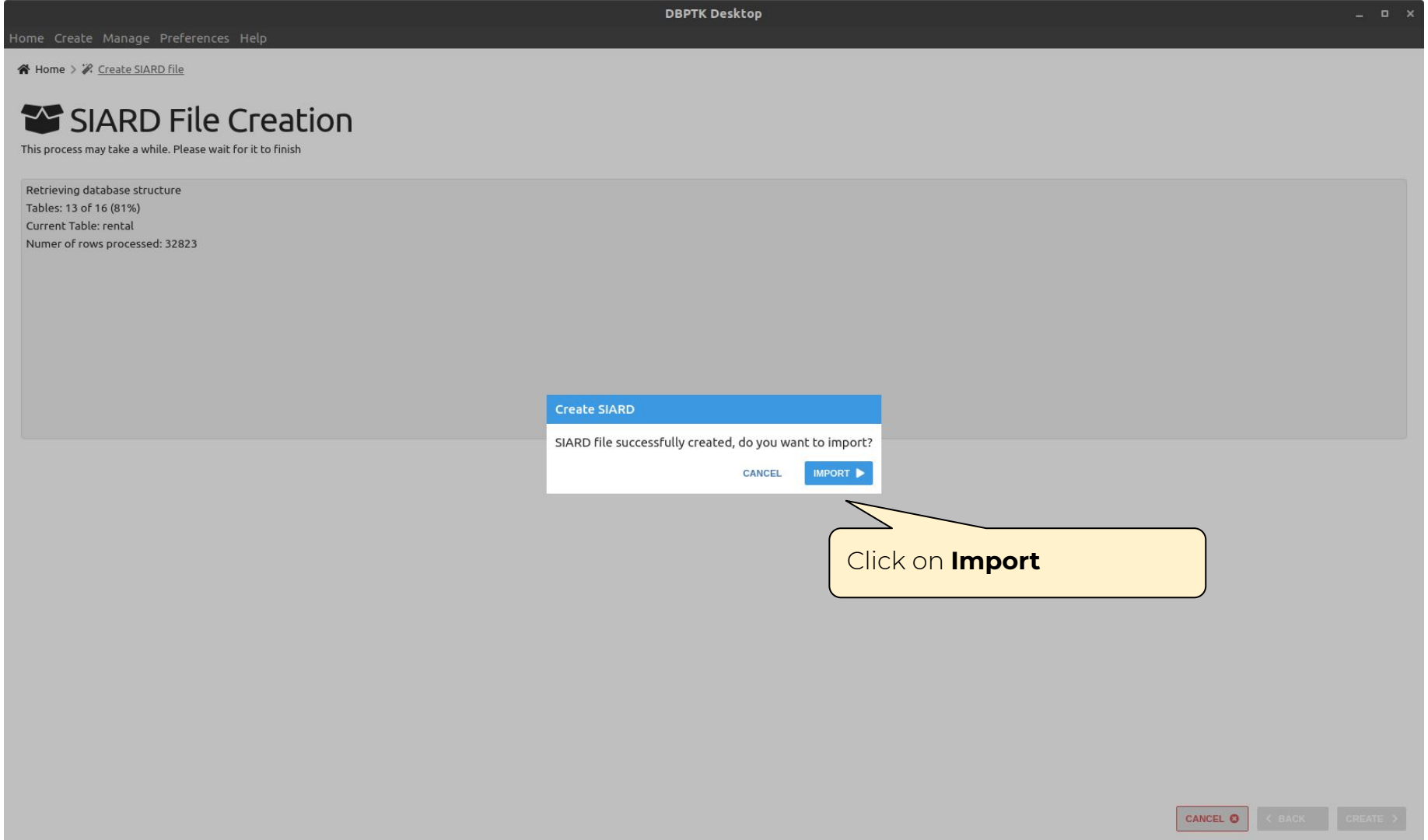

DBPTK Desktop
Home Create Manage Preferences Help
Home > Create SIARD - Custom views
Custom Views
Custom Views
Custom views option allows you to aggregate data with SQL queries.
Schema Name *
sakila
Schema where the custom view should be integrated
Custom View Name *
Name of the custom view
Description
Description of the custom view
Query *
SQL query to obtain the data to populate the custom view
SAVE
TEST
Click **Skip** to continue the process
CANCEL
BACK
SKIP

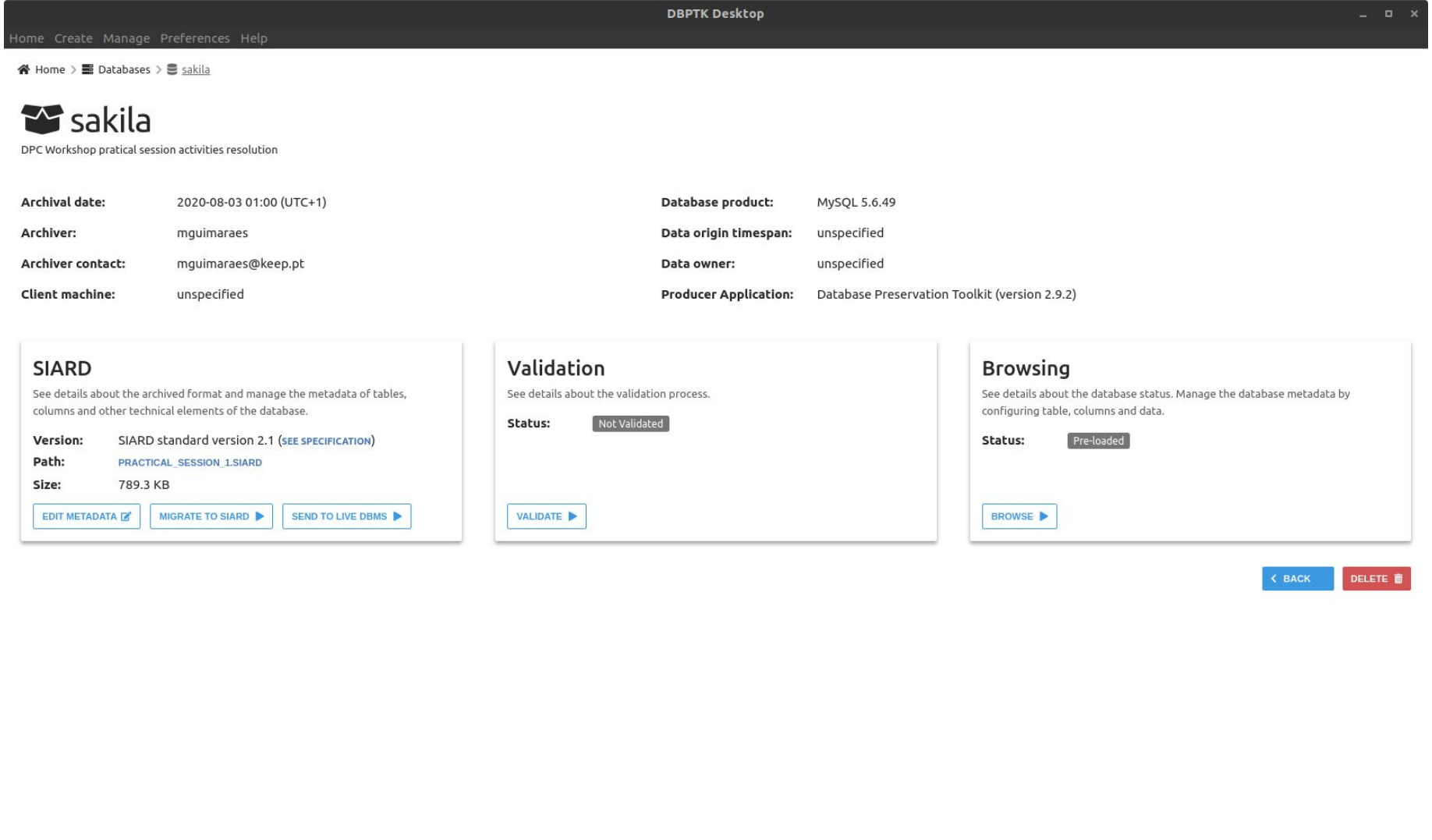

DBPTK Desktop
Home Create Manage Preferences Help
Home > Create SIARD - Merkle Tree Filter
Merkle Tree Filter
This filter module is used to generate a hash which represents the content of large data structures. This process aims to fulfill the requirement of completeness and correctness of the archival process, i.e. to ensure that no message is lost (not archived or not correctly archived).
Apply Merkle Tree Filter
Destination Folder *
BROWSE
Path to save the merkle tree
Digest
SHA-256
Define the type of integrity information. Supported types are: MD5, SHA-1 and SHA-256.
Explain
Flag to show the hashes of the whole tree (tables, rows, cells). Mainly for debug purpose.
Font Case
Lower case
Define the type of font case for the message digest. Supported font case are: upper case and lower case.
Click Skip to continue the process
CANCEL
BACK
SKIP


DBPTK Desktop
Home Create Manage Preferences Help
Home > Create SIARD - SIARD export options
SIARD Export Options
Resumes the different options available to create a SIARD file.
SIARD Version
SIARD 2
Destination Folder *
BROWSE
/home/mguimaraes/Downloads/practical_session_1.siard
Path to SIARD file
Compress
Compress the SIARD file with deflate method
Format XML
Write human-readable XML
Save LOBs outside SIARD file
External LOBs per Folder
1000
Files
The maximum number of files present in an external LOB folder. Default: 1000 files
External LOBs Folder Size
0
Megabytes
Divide LOBs across multiple external folders with (approximately) the specified maximum size (in Megabytes). Default: do not divide
Digest
SHA-256
Define the type of integrity information. Supported types are: MD5, SHA-1 and SHA-256.
Font Case
Lower case
Define the type of font case for the message digest. Supported font case are: upper case and lower case.
1. Select the destination folder
2. Choose compress checkbox (this will reduce the size of the SIARD file)
3. Hit **Next** to continue the process
CANCEL
BACK
NEXT


DBPTK Desktop
Home Create Manage Preferences Help
Home > Create SIARD - Metadata export options
Metadata Export Options
Allows to specify the different available metadata values for a SIARD file.
Description
DPC Workshop pratical session activities resolution
Description of database meaning and content as a whole
Archiver
mguimaraes
Name of the person who carried out the archiving of the database
Archiver Contact
mguimaraes@keep.pt
Contact details (telephone, email) of the person who carried out the archiving of the database
Data Owner
Owner of the data in the database. The person or institution that, at the time of archiving, has the right to grant usage rights for the data and is responsible for compliance with legal obligations such as data protection guidelines
Data Origin Timespan
Origination period of the data in the database (approximate indication in text form)
Client Machine
DNS name of the (client) computer on which the archiving was carried out
1. Fill up metadata information about the SIARD file
2. Click Create to start the migration process
CANCEL
BACK
CREATE

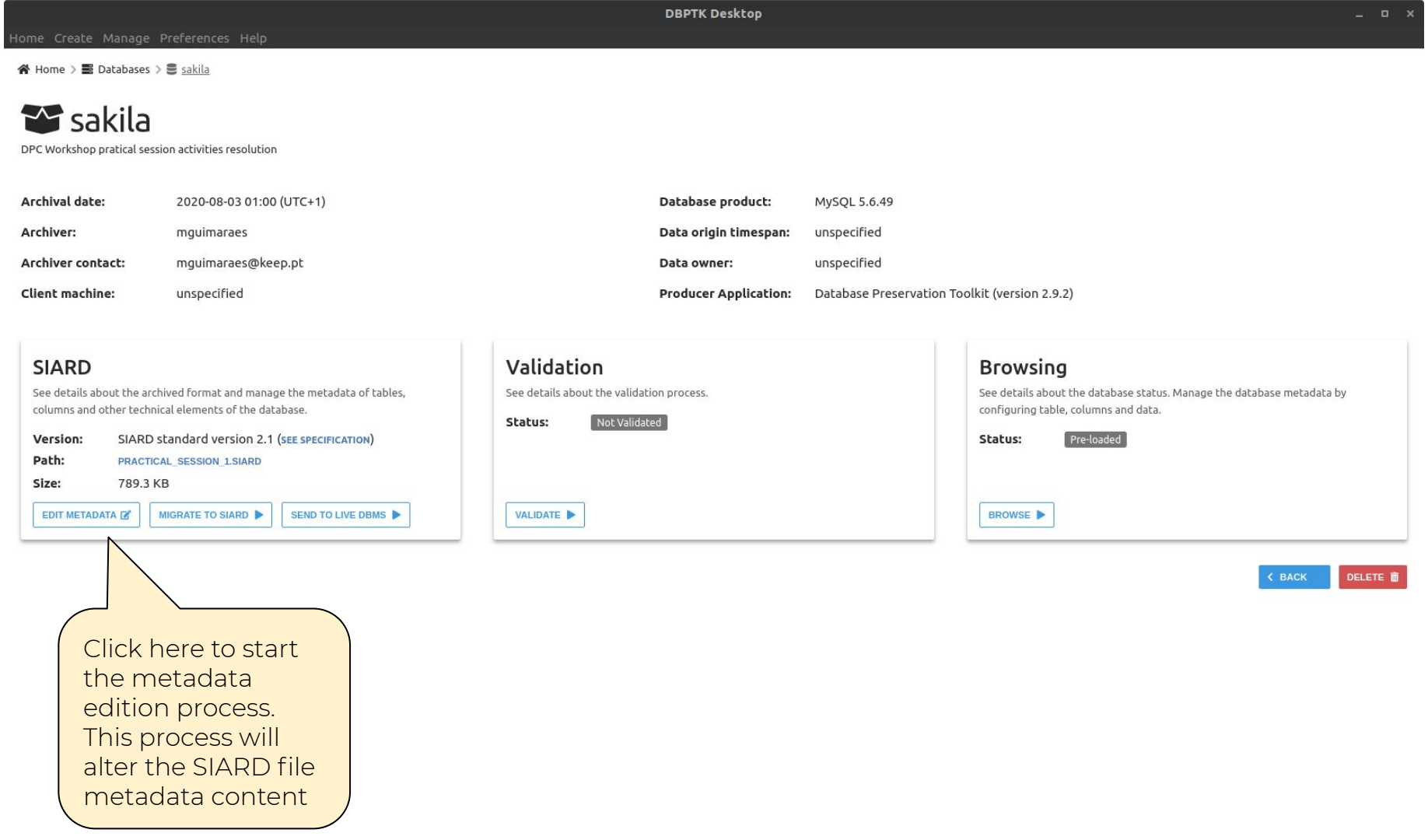

DBPTK Desktop
Home Create Manage Preferences Help
Home > Create SIARD file
SIARD File Creation
This process may take a while. Please wait for it to finish
Retrieving database structure
Wait for the process to finish, this may take a while, depending on the machine specs and total size of the database
CANCEL
BACK
CREATE

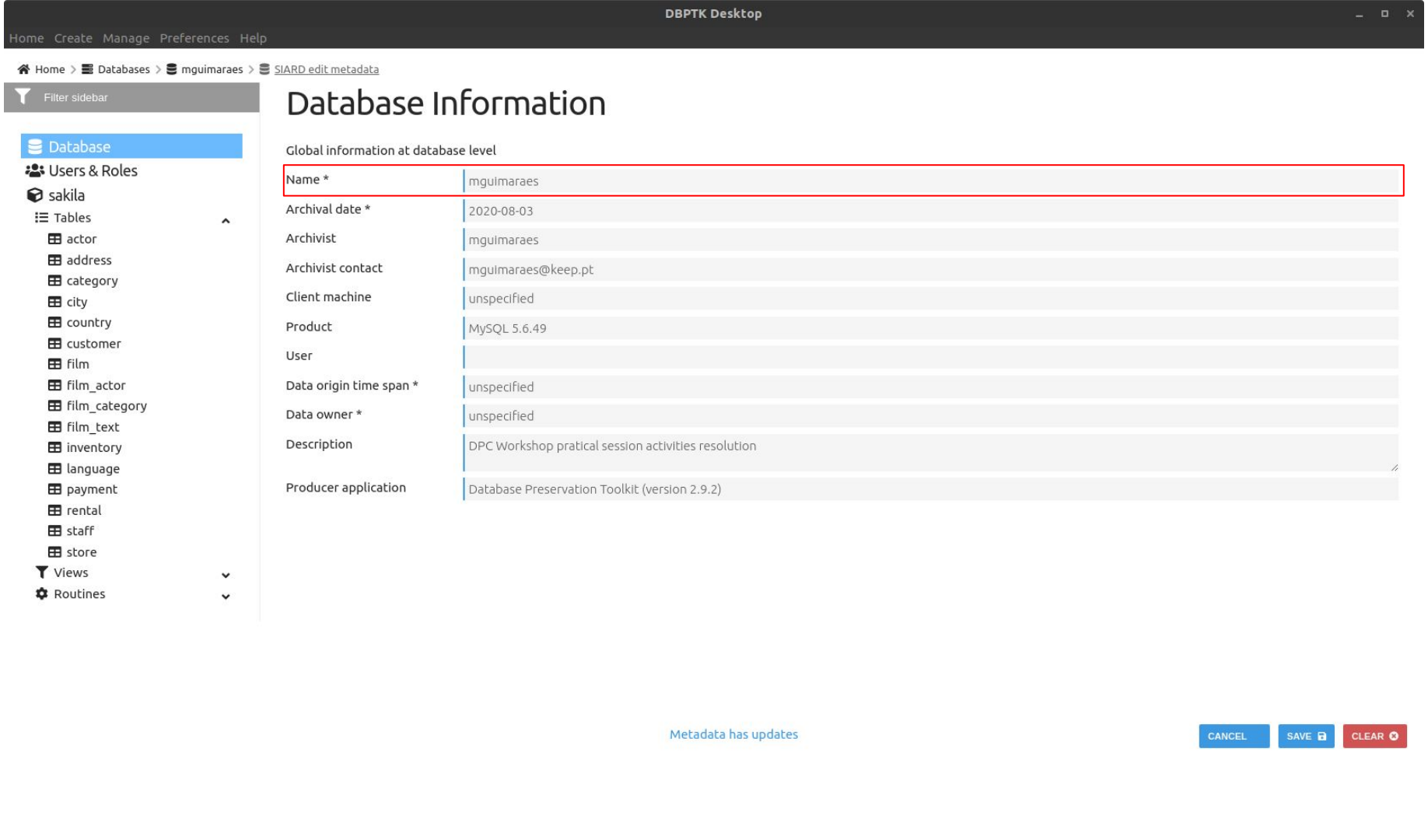

DBPTK Desktop
Home Create Manage Preferences Help
Home > Create SIARD file
SIARD File Creation
This process may take a while. Please wait for it to finish
Retrieving database structure
Tables: 13 of 16 (81%)
Current Table: rental
Numer of rows processed: 32823
Create SIARD
SIARD file successfully created, do you want to import?
CANCEL
IMPORT
Click on **Import**
CANCEL
BACK
CREATE

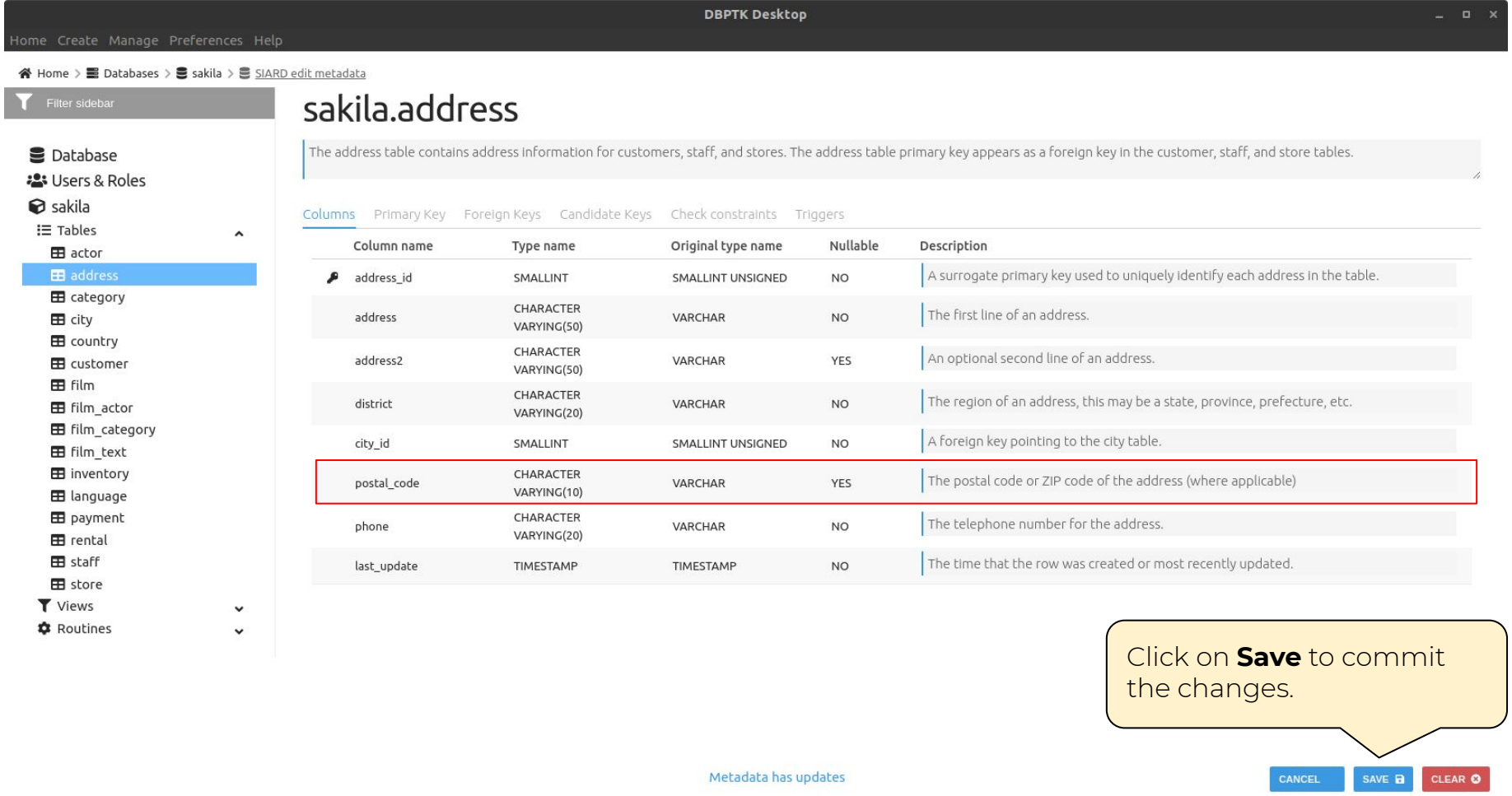

DBPTK Desktop
Home Create Manage Preferences Help
Home > Databases > sakila
sakila
DPC Workshop pratical session activities resolution
Archival date: 2020-08-03 01:00 (UTC+1)
Archiver: mguimaraes
Archiver contact: mguimaraes@keep.pt
Client machine: unspecified
Database product: MySQL 5.6.49
Data origin timespan: unspecified
Data owner: unspecified
Producer Application: Database Preservation Toolkit (version 2.9.2)
SIARD
See details about the archived format and manage the metadata of tables, columns and other technical elements of the database.
Version: SIARD standard version 2.1 (SEE SPECIFICATION)
Path: PRACTICAL_SESSION_1.SIARD
Size: 789.3 KB
EDIT METADATA
MIGRATE TO SIARD
SEND TO LIVE DBMS
Validation
See details about the validation process.
Status: Not Validated
VALIDATE
Browsing
See details about the database status. Manage the database metadata by configuring table, columns and data.
Status: Pre-loaded
BROWSE
BACK
DELETE

Edit the database name to your user name

Edit the description of column postal_code of table address


DBPTK Desktop
Home Create Manage Preferences Help
Home > Databases > sakila
sakila
DPC Workshop pratical session activities resolution
Archival date: 2020-08-03 01:00 (UTC+1)
Archiver: mguimaraes
Archiver contact: mguimaraes@keep.pt
Client machine: unspecified
Database product: MySQL 5.6.49
Data origin timespan: unspecified
Data owner: unspecified
Producer Application: Database Preservation Toolkit (version 2.9.2)
SIARD
See details about the archived format and manage the metadata of tables, columns and other technical elements of the database.
Version: SIARD standard version 2.1 (SEE SPECIFICATION)
Path: PRACTICAL_SESSION_1.SIARD
Size: 789.3 KB
EDIT METADATA
MIGRATE TO SIARD
SEND TO LIVE DBMS
Validation
See details about the validation process.
Status: Not Validated
VALIDATE
Browsing
See details about the database status. Manage the database metadata by configuring table, columns and data.
Status: Pre-loaded
BROWSE
BACK
DELETE
Click here to start the metadata edition process. This process will alter the SIARD file metadata content


DBPTK Desktop
Home Create Manage Preferences Help
Home > Databases > mguimaraes > SIARD edit metadata
Filter sidebar
Database
Users & Roles
sakila
Tables
actor
address
category
city
country
customer
film
film_actor
film_category
film_text
inventory
language
payment
rental
staff
store
Views
Routines
Database Information
Global information at database level
Name *
mguimaraes
Archival date *
2020-08-03
Archivist
mguimaraes
Archivist contact
mguimaraes@keep.pt
Client machine
unspecified
Product
MySQL 5.6.49
User
Data origin time span *
unspecified
Data owner *
unspecified
Description
DPC Workshop pratical session activities resolution
Producer application
Database Preservation Toolkit (version 2.9.2)
Metadata has updates
CANCEL
SAVE
CLEAR


DBPTK Desktop
Home Create Manage Preferences Help
Home > Databases > sakila > SIARD edit metadata
Filter sidebar
Database
Users & Roles
sakila
Tables
actor
address
category
city
country
customer
film
film_actor
film_category
film_text
inventory
language
payment
rental
staff
store
Views
Routines
sakila.address
The address table contains address information for customers, staff, and stores. The address table primary key appears as a foreign key in the customer, staff, and store tables.
Columns
Primary Key
Foreign Keys
Candidate Keys
Check constraints
Triggers
Column name
Type name
Original type name
Nullable
Description
address_id
SMALLINT
SMALLINT UNSIGNED
NO
A surrogate primary key used to uniquely identify each address in the table.
address
CHARACTER VARYING(50)
VARCHAR
NO
The first line of an address.
address2
CHARACTER VARYING(50)
VARCHAR
YES
An optional second line of an address.
district
CHARACTER VARYING(20)
VARCHAR
NO
The region of an address, this may be a state, province, prefecture, etc.
city_id
SMALLINT
SMALLINT UNSIGNED
NO
A foreign key pointing to the city table.
postal_code
CHARACTER VARYING(10)
VARCHAR
YES
The postal code or ZIP code of the address (where applicable)
phone
CHARACTER VARYING(20)
VARCHAR
NO
The telephone number for the address.
last_update
TIMESTAMP
TIMESTAMP
NO
The time that the row was created or most recently updated.
Click on Save to commit the changes.
Metadata has updates
CANCEL
SAVE
CLEAR

Metadata was successfully updated

Filter sidebar

- Database
- Users & Roles
- sakila
  - Tables
    - actor
    - address
    - category
    - city
    - country
    - customer
    - film
    - film_actor
    - film_category
    - film_text
    - inventory
    - language
    - payment
    - rental
    - staff
    - store
  - Views
  - Routines

sakila.address

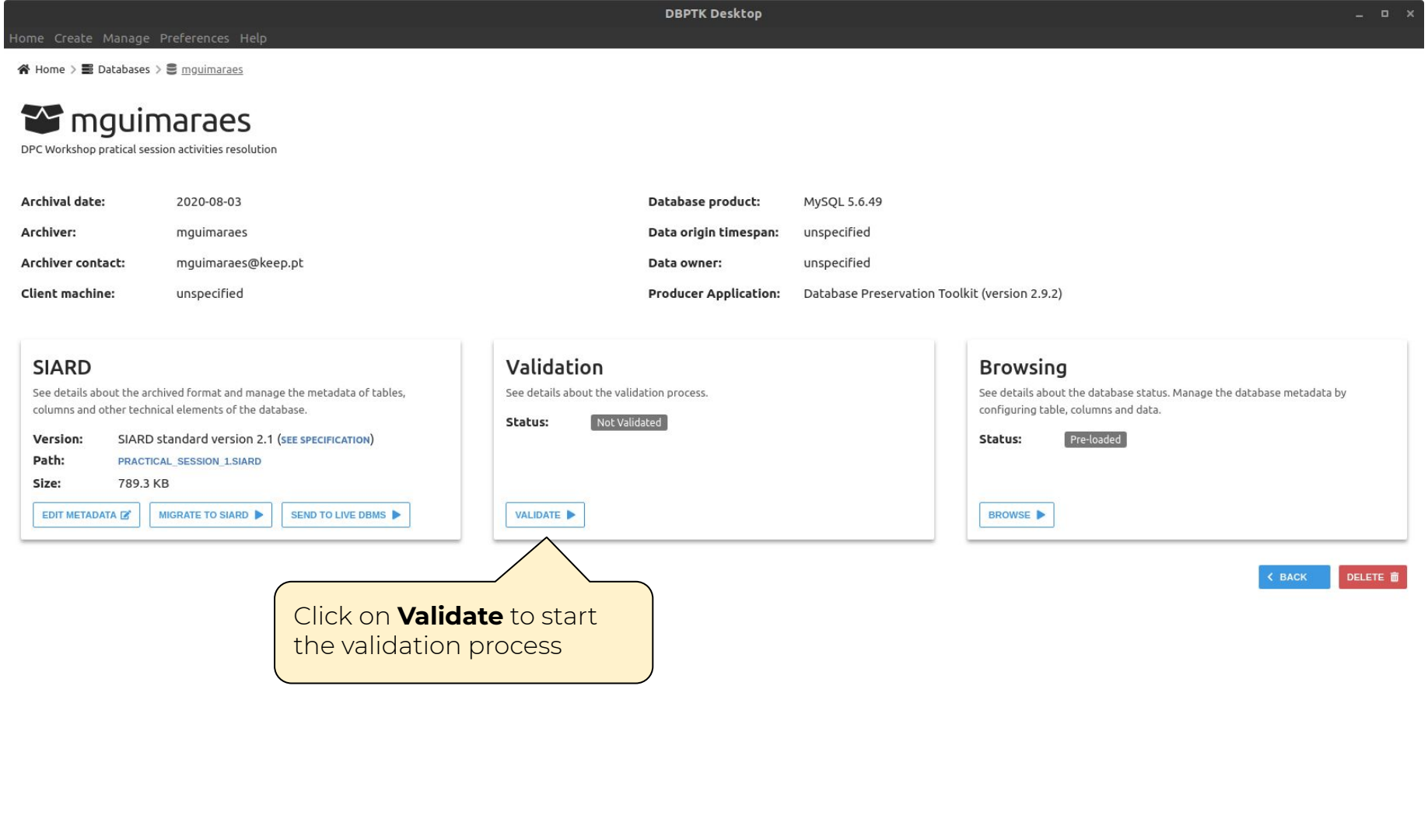
The address table contains address information for customers, staff, and stores. The address table primary key appears as a foreign key in the customer, staff, and store tables.

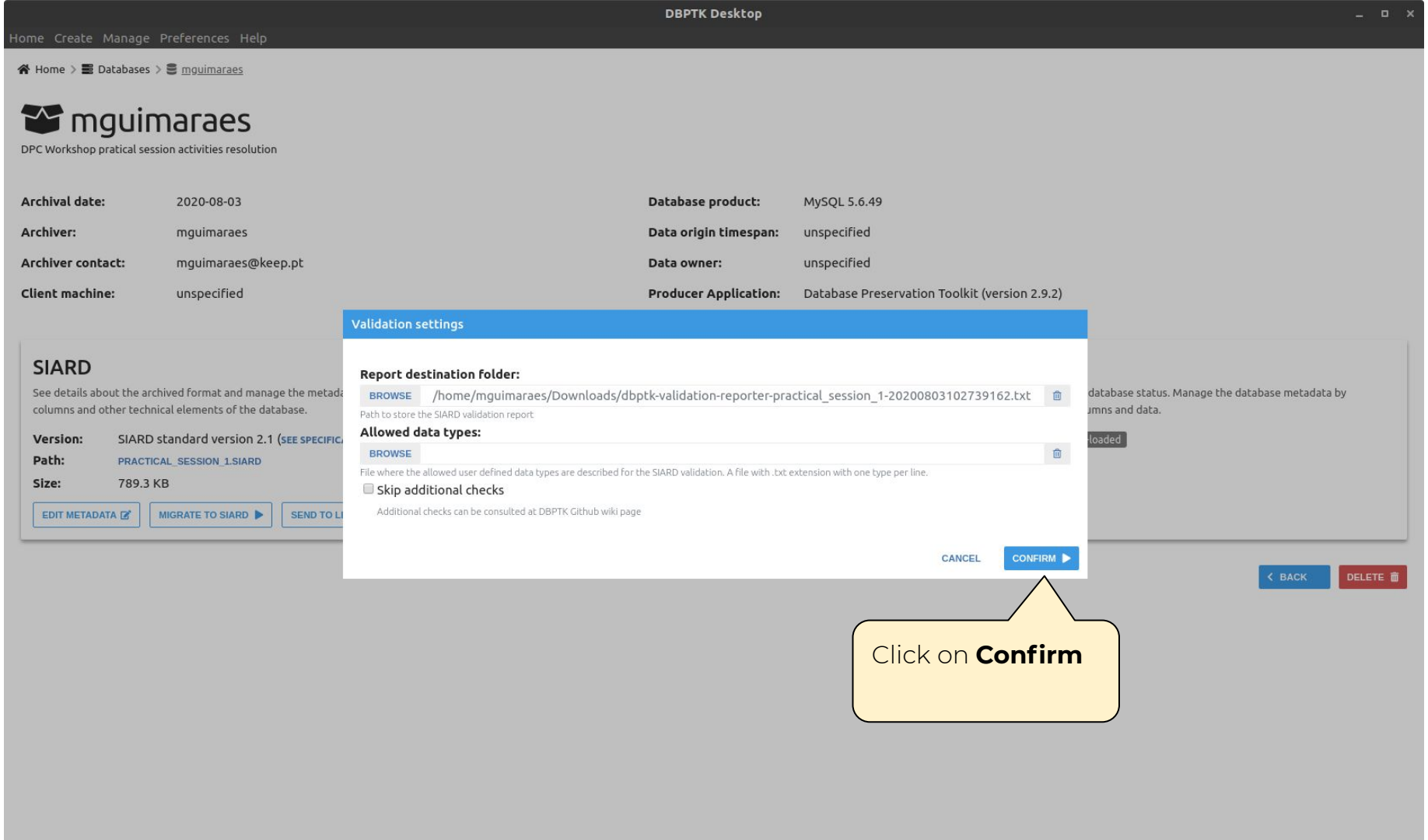
Columns | Primary Key | Foreign Keys | Candidate Keys | Check constraints | Triggers

Column name	Type name	Original type name	Nullable	Description
address_id	SMALLINT	SMALLINT UNSIGNED	NO	A surrogate primary key used to uniquely identify each address in the table.
address	CHARACTER VARYING(50)	VARCHAR	NO	The first line of an address.
address2	CHARACTER VARYING(50)	VARCHAR	YES	An optional second line of an address.
district	CHARACTER VARYING(20)	VARCHAR	NO	The region of an address, this may be a state, province, prefecture, etc.
city_id	SMALLINT	SMALLINT UNSIGNED	NO	A foreign key pointing to the city table.
postal_code	CHARACTER VARYING(10)	VARCHAR	YES	The postal code or ZIP code of the address (where applicable)
phone	CHARACTER VARYING(20)	VARCHAR	NO	The telephone number for the address.
last_update	TIMESTAMP	TIMESTAMP	NO	The time that the row was created or most recently updated.

CANCEL SAVE CLEAR

Validate SIARD format


DBPTK Desktop
Home Create Manage Preferences Help
Home > Databases > mguimaraes
mguimaraes
DPC Workshop pratical session activities resolution
Archival date: 2020-08-03
Archiver: mguimaraes
Archiver contact: mguimaraes@keep.pt
Client machine: unspecified
Database product: MySQL 5.6.49
Data origin timespan: unspecified
Data owner: unspecified
Producer Application: Database Preservation Toolkit (version 2.9.2)
SIARD
See details about the archived format and manage the metadata of tables, columns and other technical elements of the database.
Version: SIARD standard version 2.1 (SEE SPECIFICATION)
Path: PRACTICAL_SESSION_1.SIARD
Size: 789.3 KB
EDIT METADATA
MIGRATE TO SIARD
SEND TO LIVE DBMS
Validation
See details about the validation process.
Status: Not Validated
VALIDATE
Browsing
See details about the database status. Manage the database metadata by configuring table, columns and data.
Status: Pre-loaded
BROWSE
BACK
DELETE
Click on Validate to start the validation process


DBPTK Desktop
Home Create Manage Preferences Help
Home > Databases > mguimaraes
mguimaraes
DPC Workshop pratical session activities resolution
Archival date: 2020-08-03
Archiver: mguimaraes
Archiver contact: mguimaraes@keep.pt
Client machine: unspecified
Database product: MySQL 5.6.49
Data origin timespan: unspecified
Data owner: unspecified
Producer Application: Database Preservation Toolkit (version 2.9.2)
SIARD
Version: SIARD standard version 2.1
Path: PRACTICAL_SESSION_1.SIARD
Size: 789.3 KB
EDIT METADATA
MIGRATE TO SIARD
Validation settings
Report destination folder:
BROWSE
/home/mguimaraes/Downloads/dbptk-validation-reporter-practical_session_1-20200803102739162.txt
Path to store the SIARD validation report
Allowed data types:
BROWSE
File where the allowed user defined data types are described for the SIARD validation. A file with .txt extension with one type per line.
Skip additional checks
Additional checks can be consulted at DBPTK Github wiki page
CANCEL
CONFIRM
BACK
DELETE
Click on Confirm

DBPTK Desktop

Home Create Manage Preferences Help

Home > Databases > mguimaraes > Validation

Validation

Validates the SIARD against its specification. The validator shows information about which the requirements have passed and which one have failed. In case of a failed requirement, the report file generated contains the information needed to understand why the requirement failed.

Database Name: mguimaraes

Requirements that passed: 27

Requirements that failed: 0

Number of errors: 0

Number of warnings: 75

Number of skipped: 11

Status: Valid

SIARD specification: SIARD-2.1

Additional checks specification: OPEN

Report: OPEN

Scroll to the end

T_6.4-2	Validation finish on path: content/schema1/table13/table13.xml	OK
T_6.4-2	Validation running on path: content/schema1/table14/table14.xml	
T_6.4-2	Validation finish on path: content/schema1/table14/table14.xml	OK
T_6.4-2	Validation running on path: content/schema1/table15/table15.xml	
T_6.4-2	Validation finish on path: content/schema1/table15/table15.xml	OK
T_6.4-2	Validation running on path: content/schema1/table16/table16.xml	
T_6.4-2	Validation finish on path: content/schema1/table16/table16.xml	OK
T_6.4-2	The table file consists of row elements containing the data of a line subdivided into the various columns (c1, c2 ...).	OK
T_6.4-4	If a cell of a column contains a complex value (ARRAY, UDT), it is represented by a sequence of sub elements of the cell (a1,a2, ... for ARRAYs, u1, u2, ... for UDTs) which in turn contain their respective values. These values may again be complex.	SKIPPED
T_6.4-5	If a table contains data of the large object types (BLOB, CLOB, or XML ...) separate files may be produced for these and the storage location of the file is stored instead of the cell content.	OK

BACK

Click on **Back** and check the information about the validation

DBPTK Desktop

Home Create Manage Preferences Help

Home > Databases > mguimaraes

mguimaraes

DPC Workshop pratical session activities resolution

Archival date:	2020-08-03	**Database product:**	MySQL 5.6.49
Archiver:	mguimaraes	**Data origin timespan:**	unspecified
Archiver contact:	mguimaraes@keep.pt	**Data owner:**	unspecified
Client machine:	unspecified	**Producer Application:**	Database Preservation Toolkit (version 2.9.2)

SIARD

See details about the archived format and manage the metadata of tables, columns and other technical elements of the database.

Version: SIARD standard version 2.1 (SEE SPECIFICATION)
Path: PRACTICAL_SESSION_1.SIARD
Size: 789.3 KB

EDIT METADATA | MIGRATE TO SIARD | SEND TO LIVE DBMS

Validation

See details about the validation process.

Status: Valid
Details: 27 successes no failures 11 skipped
Warnings: There are 75 warnings
Validated at: 2020-08-03 10:29 (UTC+1)
Validate by: DBPTK developer 2.9.2 (SEE DETAILS)

RUN AGAIN | OPEN VALIDATION | OPEN REPORT | DELETE

Browsing

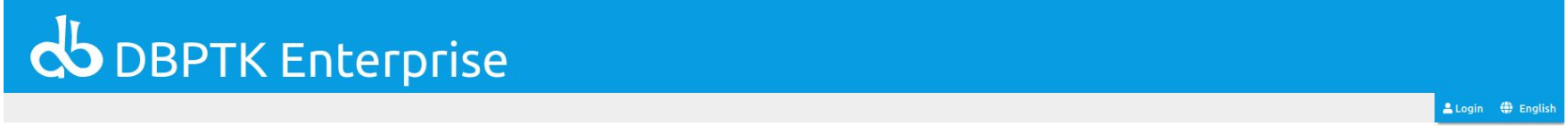
See details about the database status. Manage the database metadata by configuring table, columns and data.

Status: Pre-loaded

BROWSE

BACK | DELETE

Import the SIARD file to DBPTK Enterprise



Click on **Login**

Welcome to Database Preservation Toolkit Enterprise!

A web application to browse and search the content of multiple large archived databases.

The Database Preservation Toolkit Enterprise is a Lightweight web viewer for relational databases, specially if preserved in SIARD 2, that uses SOLR as a backend, and allows browsing, search, and export.

Enterprise Architecture
For large institutions with many databases and users

A web application that can be horizontally scaled to support many large-sized databases, accessed by hundreds of users simultaneously. Need help? Get support.

Manage multiple databases
Single system, multiple databases

Search through the databases, manage their status, enrich their metadata, validate them, make them ready for your end users.

Browse and search
Allow users to access database content on the Web

Allow them to search on a prepared, de-normalized and anonymized database content

Export features
Export data into tabular data

Allow users to save search results in Microsoft Excel or other spreadsheet software format for easy analytics and diagrams.

SIARD validation
Validate archived database

Validate SIARD against specification plus many additional checks for a thorough validation.

Edit SIARD metadata
Enrich archived database with descriptions

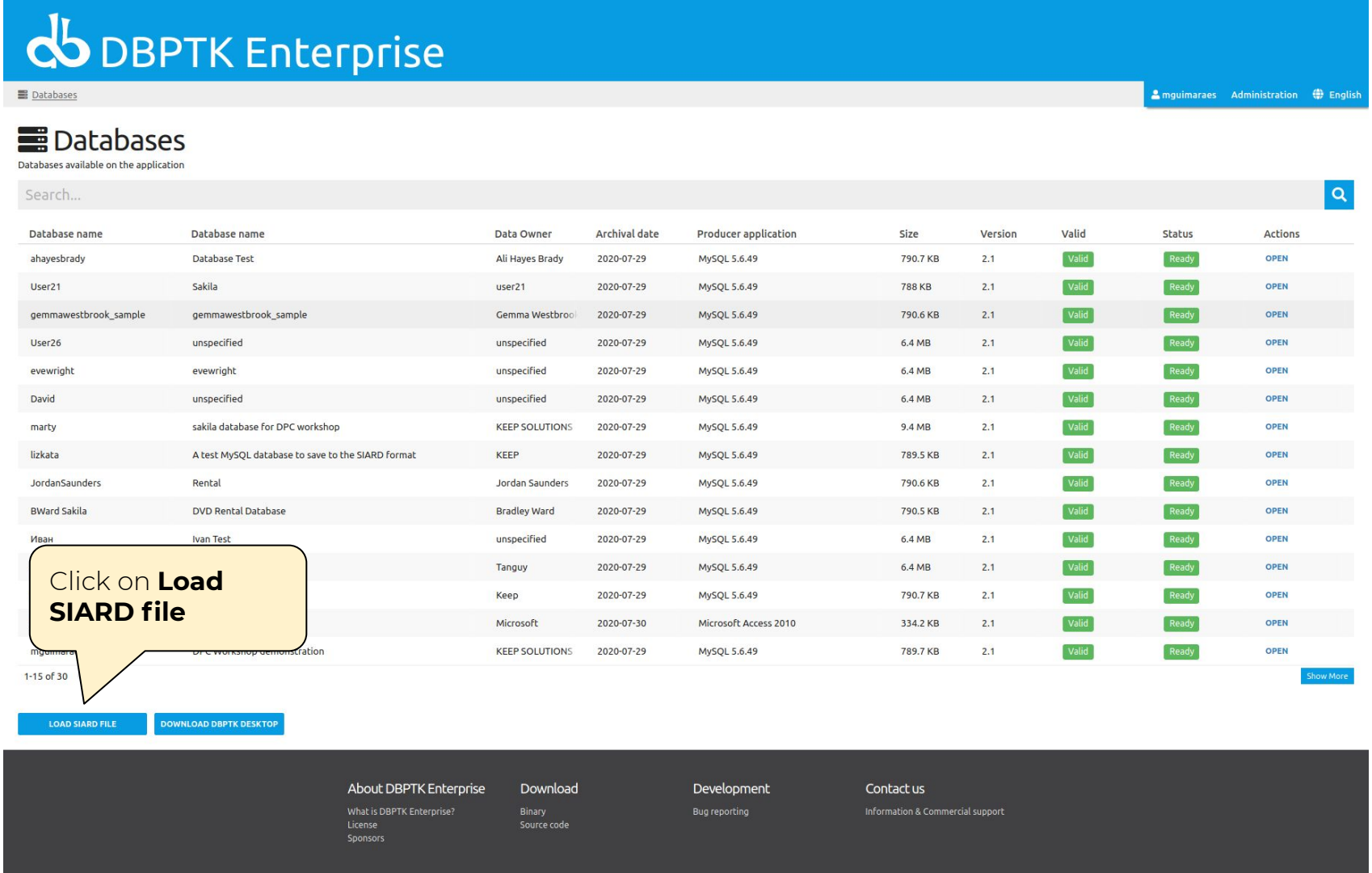
Add descriptions to database, tables and columns to better understand its contents.

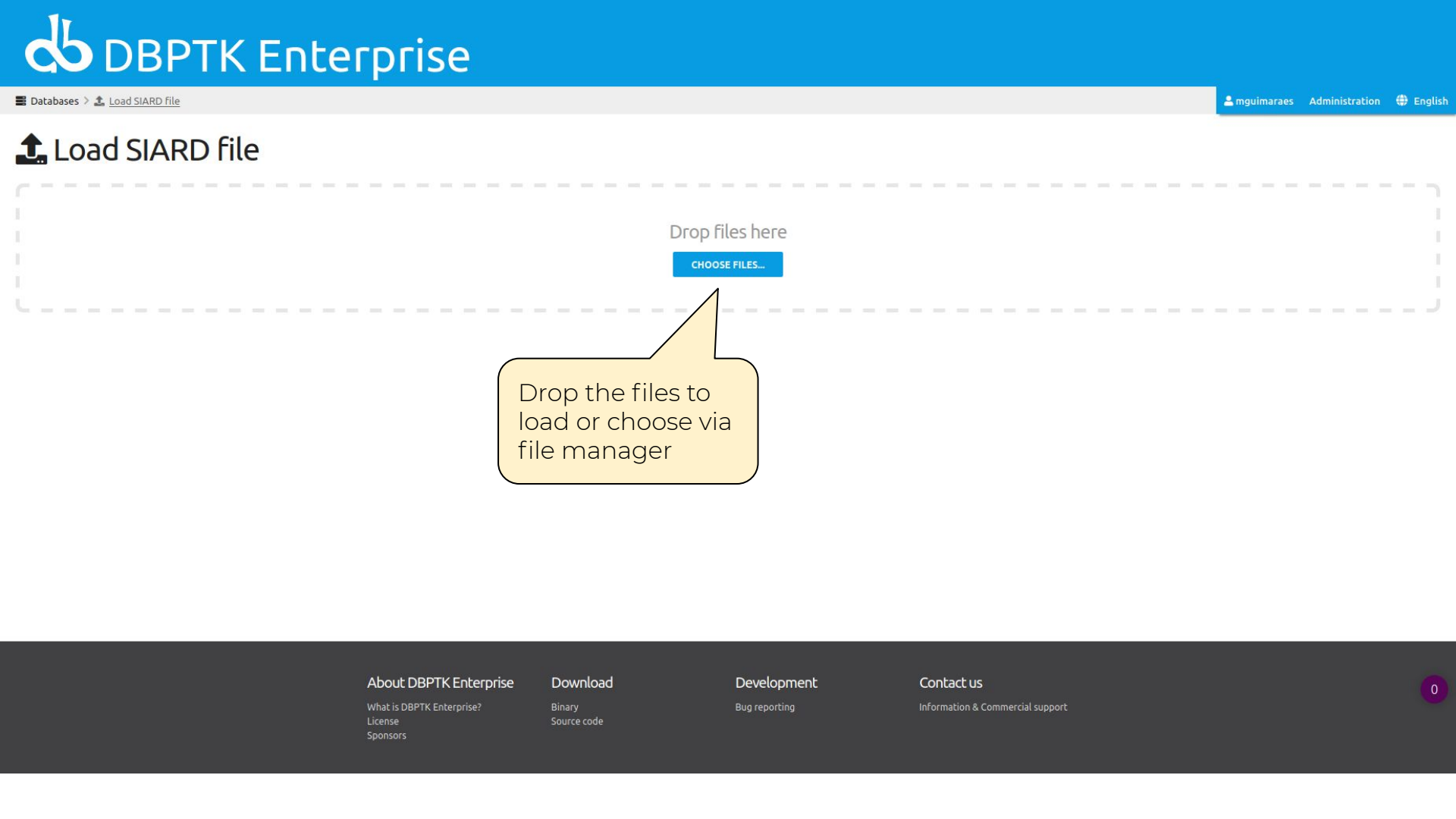
Advanced data transformation
Transform content to answer useful questions

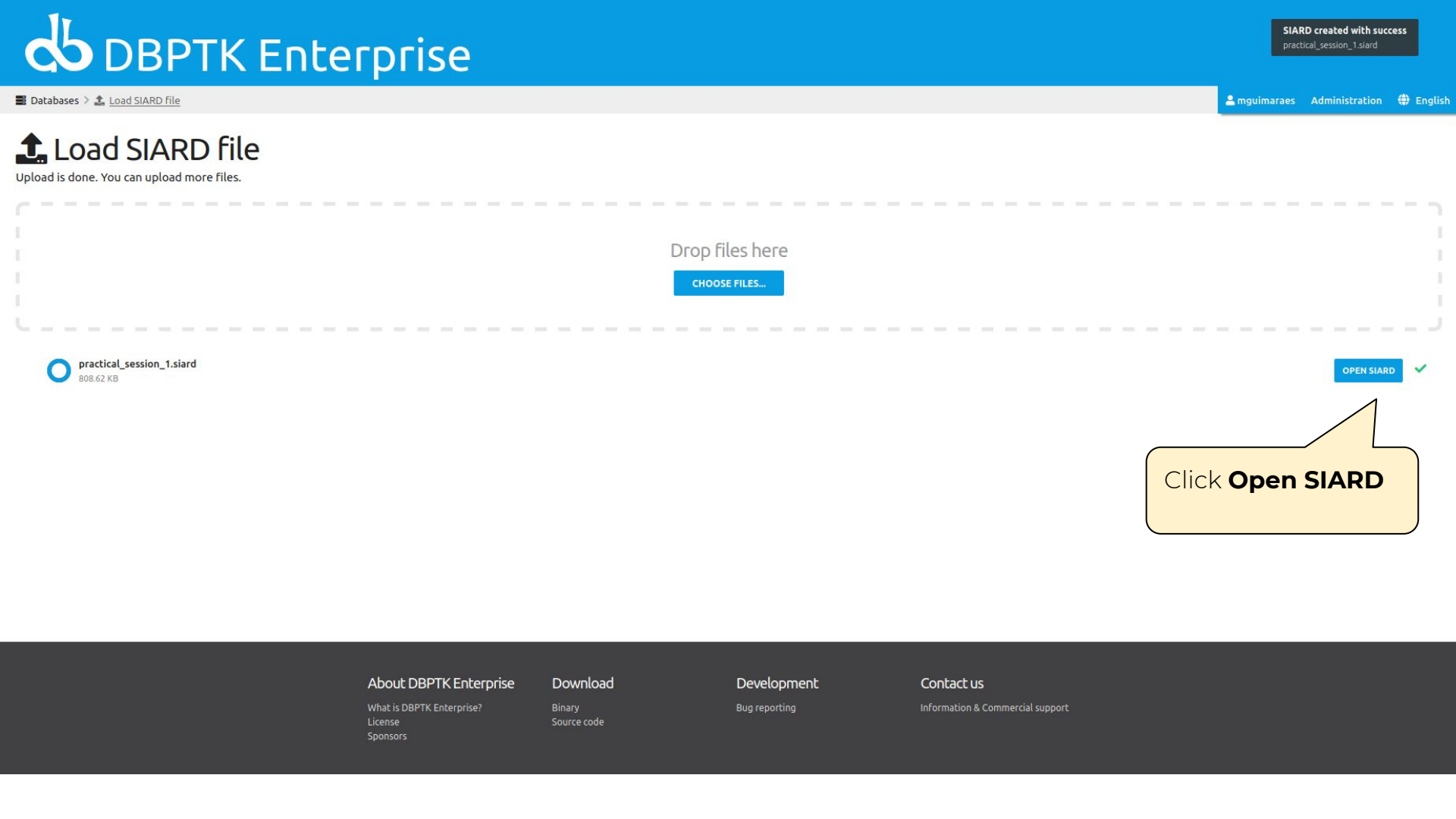
De-normalization and table/column hiding, to simplify browsing/search and allow anonymization of content.

Single sign-on
Support for multiple protocols

LDAP, Active Directory, Database, SAML, ADFS, OAuth2, OpenID, Google, Facebook, Twitter, FIDO U2F, YubiKey, Google Authenticator, Authy, etc. Supports internal authorization definition or configurable external authorization.


DBPTK Enterprise
Databases
mguimaraes
Administration
English
Databases
Databases available on the application
Search...
Database name
Database name
Data Owner
Archival date
Producer application
Size
Version
Valid
Status
Actions
ahayesbrady
Database Test
Ali Hayes Brady
2020-07-29
MySQL 5.6.49
790.7 KB
2.1
Valid
Ready
OPEN
User21
Sakila
user21
2020-07-29
MySQL 5.6.49
788 KB
2.1
Valid
Ready
OPEN
gemmawestbrook_sample
gemmawestbrook_sample
Gemma Westbroo
2020-07-29
MySQL 5.6.49
790.6 KB
2.1
Valid
Ready
OPEN
User26
unspecified
unspecified
2020-07-29
MySQL 5.6.49
6.4 MB
2.1
Valid
Ready
OPEN
evewright
evewright
unspecified
2020-07-29
MySQL 5.6.49
6.4 MB
2.1
Valid
Ready
OPEN
David
unspecified
unspecified
2020-07-29
MySQL 5.6.49
6.4 MB
2.1
Valid
Ready
OPEN
marty
sakila database for DPC workshop
KEEP SOLUTIONS
2020-07-29
MySQL 5.6.49
9.4 MB
2.1
Valid
Ready
OPEN
lizkata
A test MySQL database to save to the SIARD format
KEEP
2020-07-29
MySQL 5.6.49
789.5 KB
2.1
Valid
Ready
OPEN
JordanSaunders
Rental
Jordan Saunders
2020-07-29
MySQL 5.6.49
790.6 KB
2.1
Valid
Ready
OPEN
BWard Sakila
DVD Rental Database
Bradley Ward
2020-07-29
MySQL 5.6.49
790.5 KB
2.1
Valid
Ready
OPEN
Иван
Ivan Test
unspecified
2020-07-29
MySQL 5.6.49
6.4 MB
2.1
Valid
Ready
OPEN
Tanguy
2020-07-29
MySQL 5.6.49
6.4 MB
2.1
Valid
Ready
OPEN
Keep
2020-07-29
MySQL 5.6.49
790.7 KB
2.1
Valid
Ready
OPEN
Microsoft
2020-07-30
Microsoft Access 2010
334.2 KB
2.1
Valid
Ready
OPEN
KEEP SOLUTIONS
2020-07-29
MySQL 5.6.49
789.7 KB
2.1
Valid
Ready
OPEN
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Click on Load SIARD file
LOAD SIARD FILE
DOWNLOAD DBPTK DESKTOP
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Drop files here
CHOOSE FILES...
Drop the files to load or choose via file manager
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DBPTK Enterprise
SIARD created with success
practical_session_1.siard
Databases
Load SIARD file
mguimaraes
Administration
English
Load SIARD file
Upload is done. You can upload more files.
Drop files here
CHOOSE FILES...
practical_session_1.siard
808.62 KB
OPEN SIARD
Click Open SIARD
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DBPTK Enterprise

Databases > mguimaraes

mguimaraes | Administration | English

mguimaraes

DPC Workshop pratical session activities resolution

Archival date:	2020-08-03 01:00 (UTC+1)	**Database product:**	MySQL 5.6.49
Archiver:	mguimaraes	**Data origin timespan:**	unspecified
Archiver contact:	mguimaraes@keep.pt	**Data owner:**	unspecified
Client machine:	unspecified	**Producer Application:**	Database Preservation Toolkit (version 2.9.2)

SIARD

See details about the archived format and manage the metadata of tables, columns and other technical elements of the database.

Version: SIARD standard version 2.1 (SEE SPECIFICATION)

Path: PRACTICAL_SESSION_1.SIARD

Size: 789.7 KB

EDIT METADATA | DELETE

Validation

See details about the validation process.

Status: Not Validated

VALIDATE

Browsing

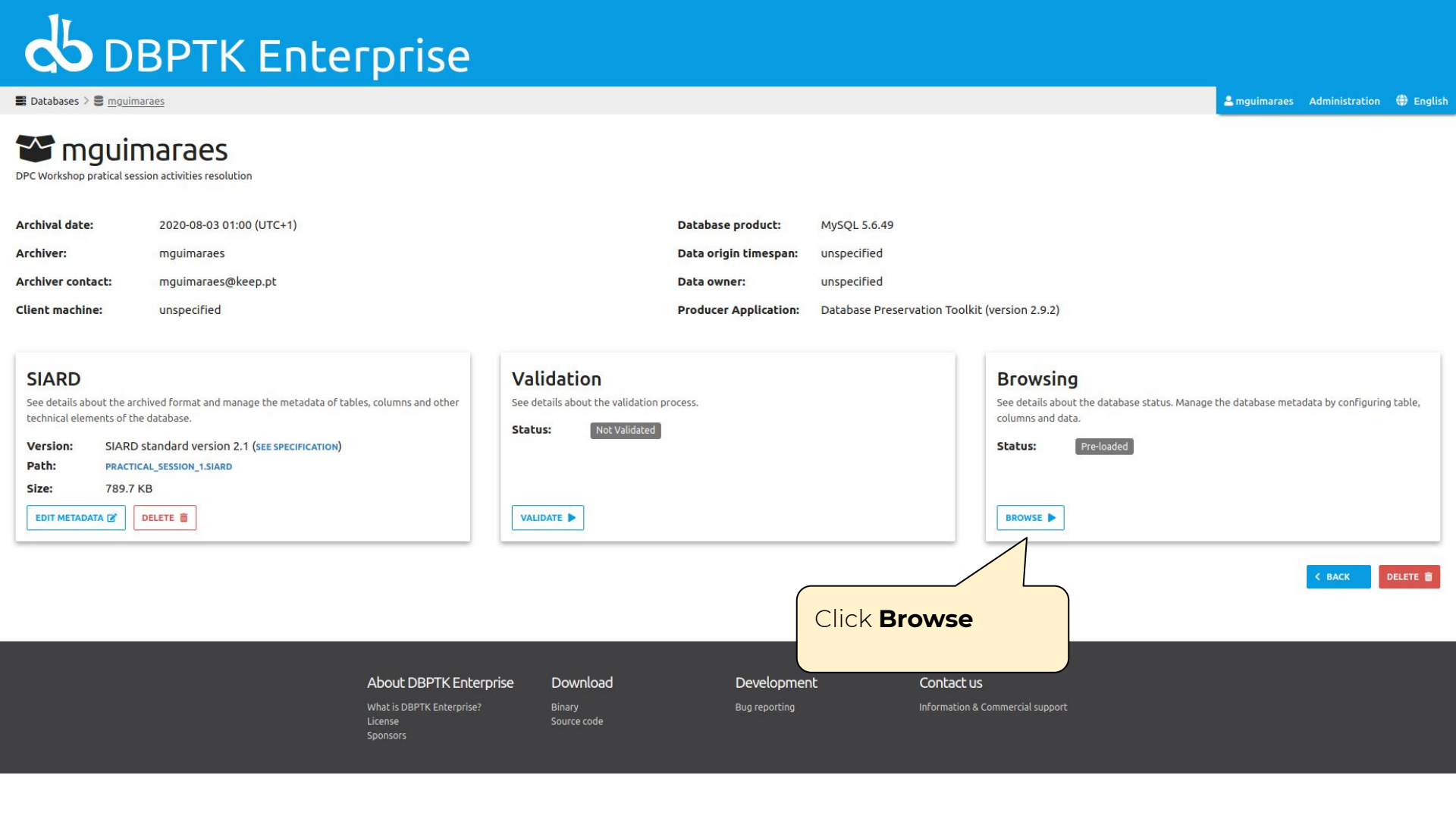
See details about the database status. Manage the database metadata by configuring table, columns and data.

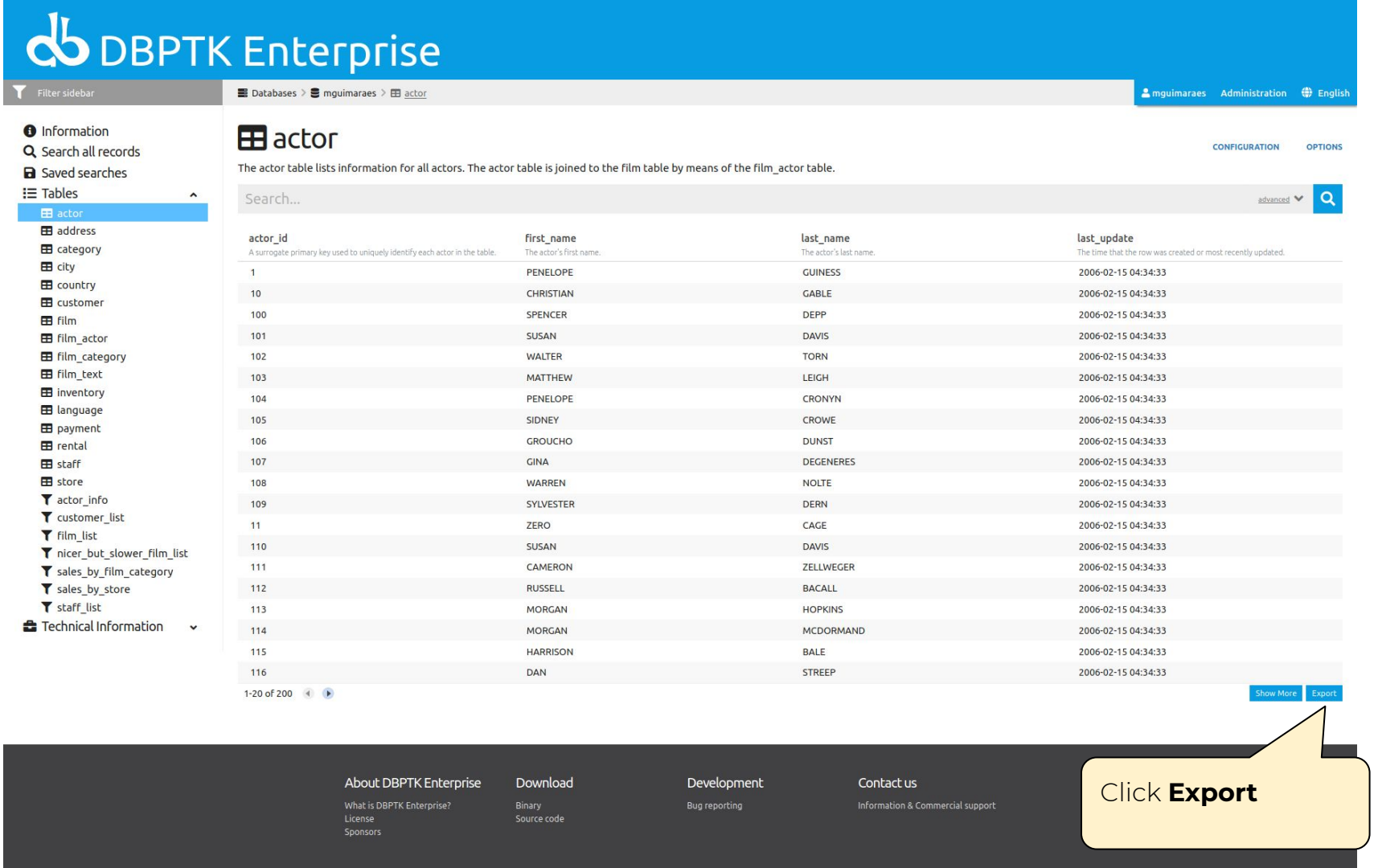
Status: Pre-loaded

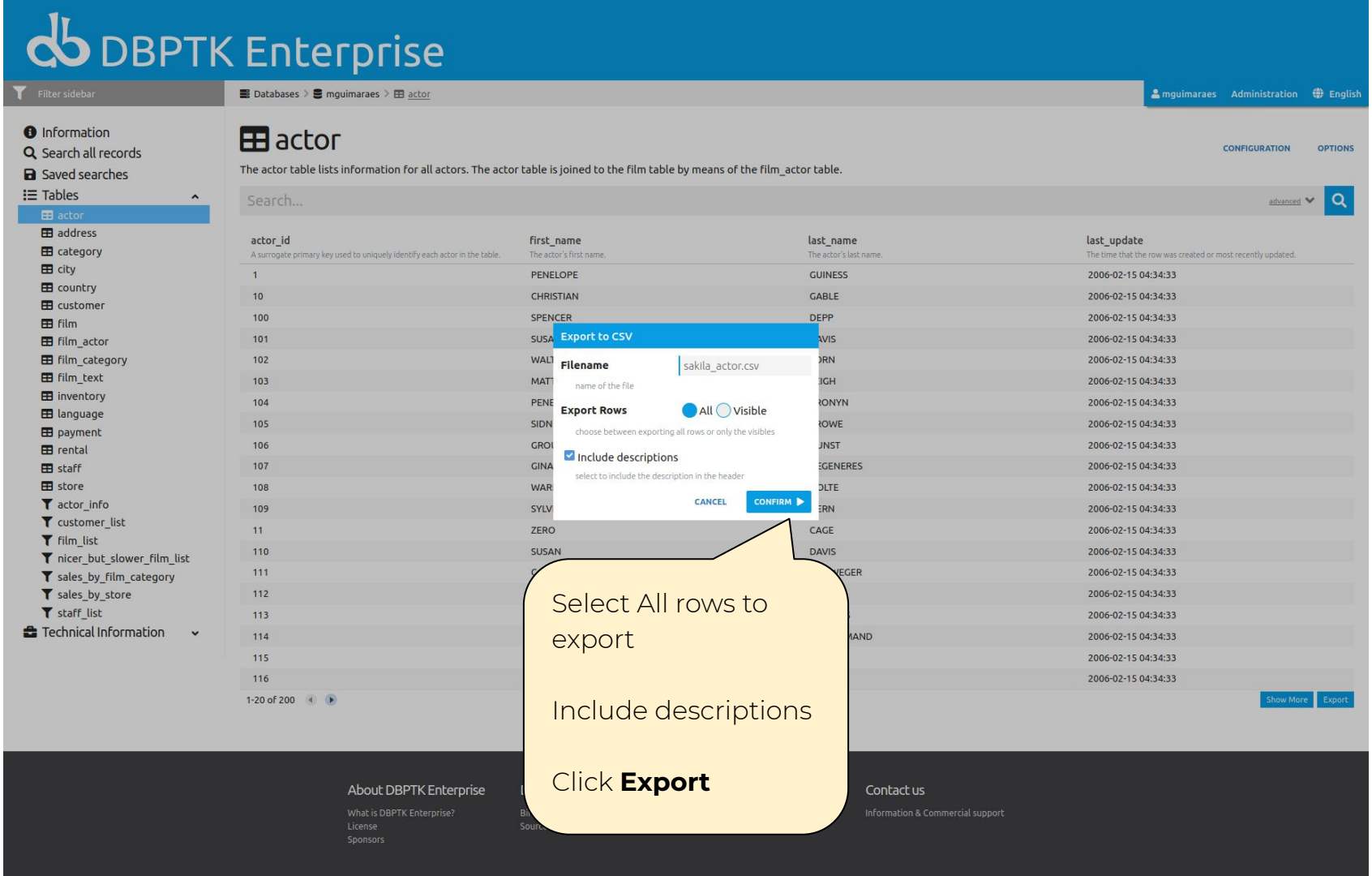
BROWSE

BACK | DELETE

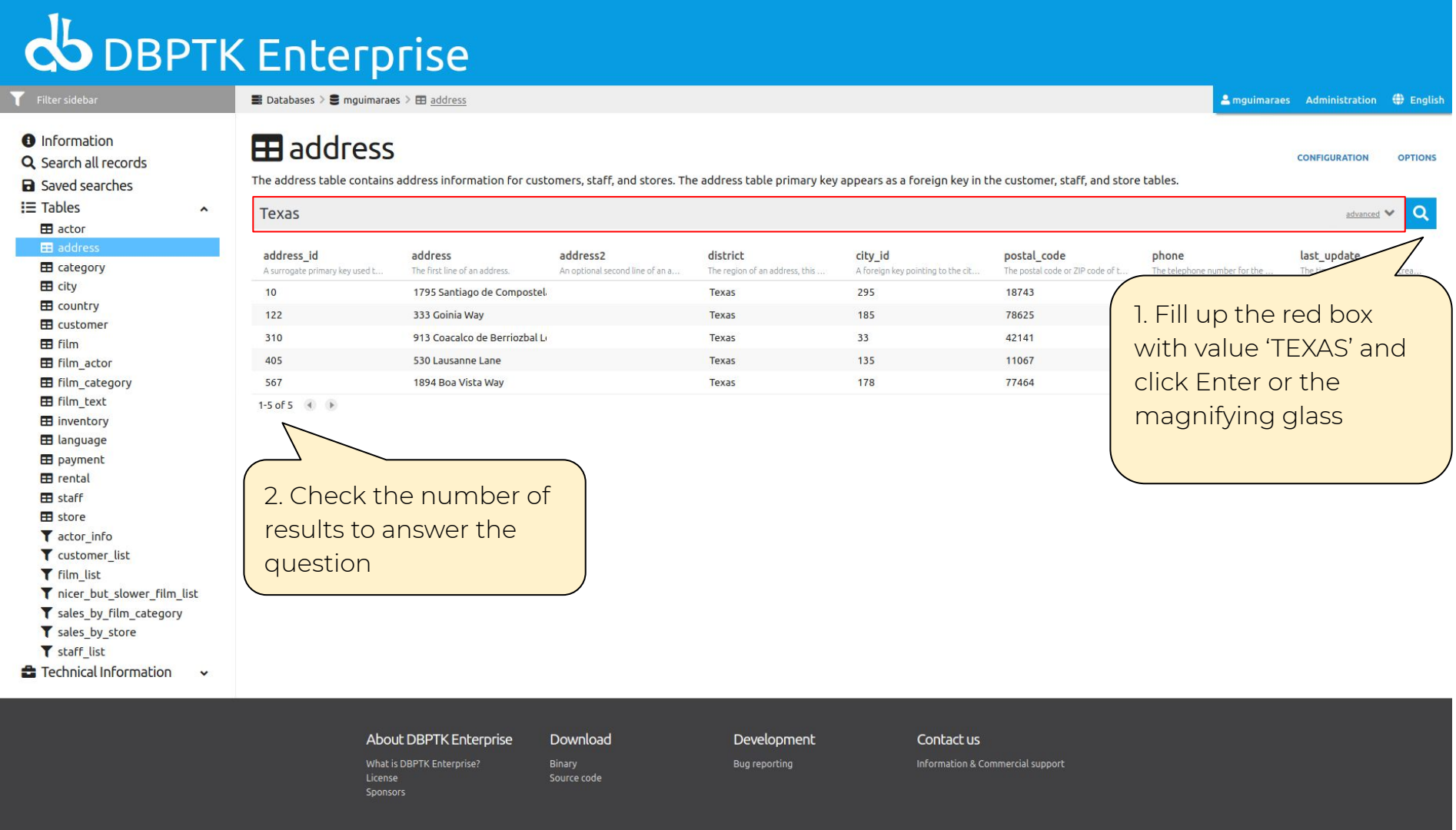
Export actors list into CSV/Excel


DBPTK Enterprise
Databases > mguimaraes
mguimaraes Administration English
mguimaraes
DPC Workshop pratical session activities resolution
Archival date: 2020-08-03 01:00 (UTC+1)
Archiver: mguimaraes
Archiver contact: mguimaraes@keep.pt
Client machine: unspecified
Database product: MySQL 5.6.49
Data origin timespan: unspecified
Data owner: unspecified
Producer Application: Database Preservation Toolkit (version 2.9.2)
SIARD
See details about the archived format and manage the metadata of tables, columns and other technical elements of the database.
Version: SIARD standard version 2.1 (SEE SPECIFICATION)
Path: PRACTICAL_SESSION_1.SIARD
Size: 789.7 KB
EDIT METADATA
DELETE
Validation
See details about the validation process.
Status: Not Validated
VALIDATE
Browsing
See details about the database status. Manage the database metadata by configuring table, columns and data.
Status: Pre-loaded
BROWSE
BACK
DELETE
Click Browse
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Databases > mguimaraes > actor
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Saved searches
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actor
address
category
city
country
customer
film
film_actor
film_category
film_text
inventory
language
payment
rental
staff
store
actor_info
customer_list
film_list
nicer_but_slower_film_list
sales_by_film_category
sales_by_store
staff_list
Technical Information
actor
CONFIGURATION
OPTIONS
The actor table lists information for all actors. The actor table is joined to the film table by means of the film_actor table.
Search...
advanced
actor_id
A surrogate primary key used to uniquely identify each actor in the table.
first_name
The actor's first name.
last_name
The actor's last name.
last_update
The time that the row was created or most recently updated.
1 PENELOPE GUINESS 2006-02-15 04:34:33
10 CHRISTIAN GABLE 2006-02-15 04:34:33
100 SPENCER DEPP 2006-02-15 04:34:33
101 SUSAN DAVIS 2006-02-15 04:34:33
102 WALTER TORN 2006-02-15 04:34:33
103 MATTHEW LEIGH 2006-02-15 04:34:33
104 PENELOPE CRONYN 2006-02-15 04:34:33
105 SIDNEY CROWE 2006-02-15 04:34:33
106 GROUCHO DUNST 2006-02-15 04:34:33
107 GINA DEGENERES 2006-02-15 04:34:33
108 WARREN NOLTE 2006-02-15 04:34:33
109 SYLVESTER DERN 2006-02-15 04:34:33
11 ZERO CAGE 2006-02-15 04:34:33
110 SUSAN DAVIS 2006-02-15 04:34:33
111 CAMERON ZELLWEGER 2006-02-15 04:34:33
112 RUSSELL BACALL 2006-02-15 04:34:33
113 MORGAN HOPKINS 2006-02-15 04:34:33
114 MORGAN MCDORMAND 2006-02-15 04:34:33
115 HARRISON BALE 2006-02-15 04:34:33
116 DAN STREEP 2006-02-15 04:34:33
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Click Export

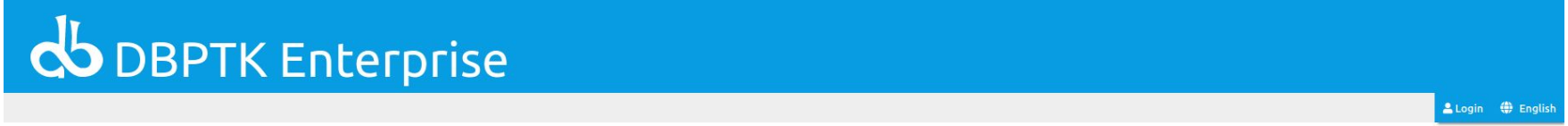

DBPTK Enterprise
Filter sidebar
Databases > mguimaraes > actor
mguimaraes
Administration
English
Information
Search all records
Saved searches
Tables
actor
address
category
city
country
customer
film
film_actor
film_category
film_text
inventory
language
payment
rental
staff
store
actor_info
customer_list
film_list
nicer_but_slower_film_list
sales_by_film_category
sales_by_store
staff_list
Technical Information
actor
CONFIGURATION
OPTIONS
The actor table lists information for all actors. The actor table is joined to the film table by means of the film_actor table.
Search...
advanced
actor_id
A surrogate primary key used to uniquely identify each actor in the table.
first_name
The actor's first name.
last_name
The actor's last name.
last_update
The time that the row was created or most recently updated.
1 PENELOPE GUINESS 2006-02-15 04:34:33
10 CHRISTIAN GABLE 2006-02-15 04:34:33
100 SPENCER DEPP 2006-02-15 04:34:33
101 SUSA AVIS 2006-02-15 04:34:33
102 WALT ORN 2006-02-15 04:34:33
103 MATT IGH 2006-02-15 04:34:33
104 PENE RONYN 2006-02-15 04:34:33
105 SIDN ROWE 2006-02-15 04:34:33
106 GROU UNST 2006-02-15 04:34:33
107 GINA EGENERES 2006-02-15 04:34:33
108 WAR OLTE 2006-02-15 04:34:33
109 SYLV ERN 2006-02-15 04:34:33
11 ZERO CAGE 2006-02-15 04:34:33
110 SUSAN DAVIS 2006-02-15 04:34:33
111 EGER 2006-02-15 04:34:33
112 2006-02-15 04:34:33
113 2006-02-15 04:34:33
114 MAND 2006-02-15 04:34:33
115 2006-02-15 04:34:33
116 2006-02-15 04:34:33
1-20 of 200
Show More
Export
Export to CSV
Filename
sakila_actor.csv
name of the file
Export Rows
All
Visible
choose between exporting all rows or only the visibles
Include descriptions
select to include the description in the header
CANCEL
CONFIRM
Select All rows to export
Include descriptions
Click Export
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Do a query: How many addresses from Texas there are?


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Saved searches
Tables
actor
address
category
city
country
customer
film
film_actor
film_category
film_text
inventory
language
payment
rental
staff
store
actor_info
customer_list
film_list
nicer_but_slower_film_list
sales_by_film_category
sales_by_store
staff_list
Technical Information
address
CONFIGURATION
OPTIONS
The address table contains address information for customers, staff, and stores. The address table primary key appears as a foreign key in the customer, staff, and store tables.
Texas
advanced
address_id
A surrogate primary key used t...
address
The first line of an address.
address2
An optional second line of an a...
district
The region of an address, this ...
city_id
A foreign key pointing to the cit...
postal_code
The postal code or ZIP code of t...
phone
The telephone number for the ...
last_update
10
1795 Santiago de Compostel
Texas
295
18743
122
333 Goinia Way
Texas
185
78625
310
913 Coacalco de Berriozbal L
Texas
33
42141
405
530 Lausanne Lane
Texas
135
11067
567
1894 Boa Vista Way
Texas
178
77464
1-5 of 5
1. Fill up the red box with value 'TEXAS' and click Enter or the magnifying glass
2. Check the number of results to answer the question
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Activities for the braves

Search on the activity log in DBPTK Enterprise



Click on **Login**

Welcome to Database Preservation Toolkit Enterprise!

A web application to browse and search the content of multiple large archived databases.

The Database Preservation Toolkit Enterprise is a Lightweight web viewer for relational databases, specially if preserved in SIARD 2, that uses SOLR as a backend, and allows browsing, search, and export.

Enterprise Architecture
For large institutions with many databases and users

A web application that can be horizontally scaled to support many large-sized databases, accessed by hundreds of users simultaneously. Need help? Get support.

Manage multiple databases
Single system, multiple databases

Search through the databases, manage their status, enrich their metadata, validate them, make them ready for your end users.

Browse and search
Allow users to access database content on the Web

Allow them to search on a prepared, de-normalized and anonymized database content

Export features
Export data into tabular data

Allow users to save search results in Microsoft Excel or other spreadsheet software format for easy analytics and diagrams.

SIARD validation
Validate archived database

Validate SIARD against specification plus many additional checks for a thorough validation.

Edit SIARD metadata
Enrich archived database with descriptions

Add descriptions to database, tables and columns to better understand its contents.

Advanced data transformation
Transform content to answer useful questions

De-normalization and table/column hiding, to simplify browsing/search and allow anonymization of content.

Single sign-on
Support for multiple protocols

LDAP, Active Directory, Database, SAML, ADFS, OAuth2, OpenID, Google, Facebook, Twitter, FIDO U2F, YubiKey, Google Authenticator, Authy, etc. Supports internal authorization definition or configurable external authorization.

DBPTK Enterprise

Databases

mguimaraes | Administration | English

- Activity log
- Jobs
- Preferences

Databases

Databases available on the application

Search...

Click on **Activity log**

Database name	Database name	Data Owner	Archival date	Producer application	Size				Actions
ahayesbrady	Database Test	Ali Hayes Brady	2020-07-29	MySQL 5.6.49	790.7 KB				OPEN
User21	Sakila	user21	2020-07-29	MySQL 5.6.49	788 KB	2.1	Valid	Ready	OPEN
mguimaraes	DPC Workshop pratical session activities resolution	unspecified	2020-08-03	MySQL 5.6.49	789.7 KB	2.1	Not Validated	Ready	OPEN
gemmawestbrook_sample	gemmawestbrook_sample	Gemma Westbrook	2020-07-29	MySQL 5.6.49	790.6 KB	2.1	Valid	Ready	OPEN
User26	unspecified	unspecified	2020-07-29	MySQL 5.6.49	6.4 MB	2.1	Valid	Ready	OPEN
evewright	evewright	unspecified	2020-07-29	MySQL 5.6.49	6.4 MB	2.1	Valid	Ready	OPEN
David	unspecified	unspecified	2020-07-29	MySQL 5.6.49	6.4 MB	2.1	Valid	Ready	OPEN
marty	sakila database for DPC workshop	KEEP SOLUTIONS	2020-07-29	MySQL 5.6.49	9.4 MB	2.1	Valid	Ready	OPEN
lizkata	A test MySQL database to save to the SIARD format	KEEP	2020-07-29	MySQL 5.6.49	789.5 KB	2.1	Valid	Ready	OPEN
JordanSaunders	Rental	Jordan Saunders	2020-07-29	MySQL 5.6.49	790.6 KB	2.1	Valid	Ready	OPEN
BWard Sakila	DVD Rental Database	Bradley Ward	2020-07-29	MySQL 5.6.49	790.5 KB	2.1	Valid	Ready	OPEN
Иван	Ivan Test	unspecified	2020-07-29	MySQL 5.6.49	6.4 MB	2.1	Valid	Ready	OPEN
admin27	Test DPC	Tanguy	2020-07-29	MySQL 5.6.49	6.4 MB	2.1	Valid	Ready	OPEN
Warwick Pease	Sakila	Keep	2020-07-29	MySQL 5.6.49	790.7 KB	2.1	Valid	Ready	OPEN
North Wind Traders	North Wind Traders	Microsoft	2020-07-30	Microsoft Access 2010	334.2 KB	2.1	Valid	Ready	OPEN

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LOAD SIARD FILE | DOWNLOAD DBPTK DESKTOP

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Activity log

Event logs are special files that record significant events that happen in the application. For example, a record is kept every time a user logs in, when a download is made or when a search is made. Whenever these events occur, the repository records the necessary information in the event log to enable future auditing of the system activity. For each event the following information is recorded: date, involved component, system method or function, target objects, user that executed the action, the duration of action, and the IP address of the user that executed the action. Users are able to filter events by type, date and other attributes by selecting the options available in the right side panel.

mguimaraes advanced

Date	Component	Method	User	Duration	Address	Outcome
2020-08-03 11:52:32	Activity log	Find	mguimaraes	93ms	81.84.255.161	Success
2020-08-03 11:52:24	Database	Find	mguimaraes	52ms	81.84.255.161	Success
2020-08-03 11:52:14	Database	Find	mguimaraes	45ms	81.84.255.161	Success
2020-08-03 11:52:03	Database	Find	mguimaraes	74ms	81.84.255.161	Success
2020-08-03 11:51:52	Database	Find	mguimaraes	56ms	81.84.255.161	Success
2020-08-03 11:51:50	Job	Find	mguimaraes	5ms	81.84.255.161	Success
2020-08-03 11:51:45	Job		mguimaraes	5ms	81.84.255.161	Success
2020-08-03 11:51:40	Job			4ms	81.84.255.161	Success
2020-08-03 11:51:35	Job			6ms	81.84.255.161	Success
2020-08-03 11:51:30	Job			5ms	81.84.255.161	Success
2020-08-03 11:51:25	Job			5ms	81.84.255.161	Success
2020-08-03 11:51:20	Job			5ms	81.84.255.161	Success
2020-08-03 11:51:15	Job			5ms	81.84.255.161	Success
2020-08-03 11:51:10	Job	Find	mguimaraes	4ms	81.84.255.161	Success
2020-08-03 11:51:05	Job	Find	mguimaraes	5ms	81.84.255.161	Success
2020-08-03 11:51:00	Job	Find	mguimaraes	5ms	81.84.255.161	Success
2020-08-03 11:50:55	Job	Find	mguimaraes	5ms	81.84.255.161	Success
2020-08-03 11:50:50	Job	Find	mguimaraes	5ms	81.84.255.161	Success
2020-08-03 11:50:45	Job	Find	mguimaraes	4ms	81.84.255.161	Success
2020-08-03 11:50:40	Job	Find	mguimaraes	6ms	81.84.255.161	Success

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Show More

Components

- Create (7)
- Create Collection (4)
- Create Denormalize Configuration
- Create SIARD File (7)
- Delete (5)
- Export Find To C S V (1)
- Export L O B (3)
- Find (9550)
- Find Rows (118)
- Find Saved Searches (1)
- Get Collection Configuration (149)
- Get Denormalize Configuration File
- Get Progress Data (397)
- Get SIARD File (2)

1. Fill up the red box with your user and click Enter or the magnifying glass

2. Click on a row to see details

Log details

Date	2020-08-03 11:51:50 UTC+1
Duration	5ms
User	mguimaraes
Address	81.84.255.161
Component	
Method	Find
Search parameters	• Search is mguimaraes
Outcome	Success

Activities for the braves

Create the SIARD file using the DBPTK Developer


1/1
Tilix: Default
~
→ java -jar dbptk-app-2.9.2.jar migrate -i mysql -ih dpc.database-preservation.com -iu mguimaraes -ip
******** -idb sakila -e siard-2 -ef /home/mguimaraes/Desktop/dpc-workshop/cmd-line-exercise.siard
Replace with the password assign to your user