

Database Preservation Toolkit

Ferramenta de conversão e normalização de bases de dados

Encontro de Curadoria Digital 2016 Estratégias e experiências

Bruno Ferreira <u>bferreira@keep.pt</u>
KEEP SOLUTIONS

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Bases de Dados

Usadas para persistência de informação digital

Essenciais para os sistemas digitais

Informação deverá continuar acessível

A sua recuperação poderá ser impossível ou dispendiosa

Preservação de Bases de Dados (relacionais)

Objetos digitais complexos

Dados heterogéneos e estruturados

Técnicas existentes podem levar a perdas de dados

Como preservar?

Usando um formato especializado

SIARD — Software Independent Archiving of Relational Databases

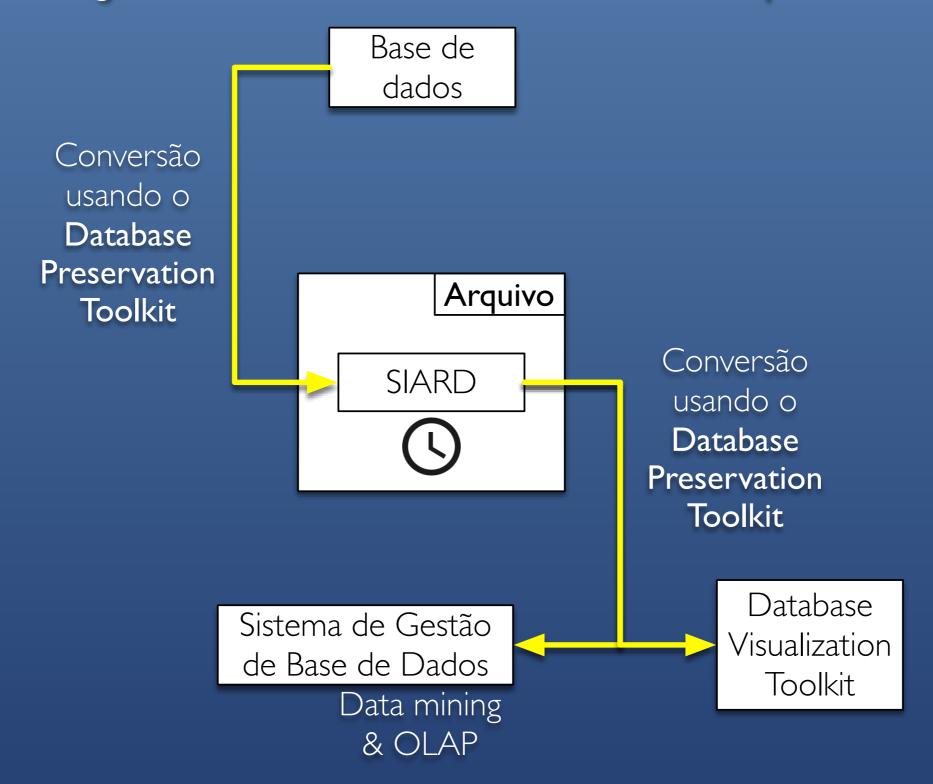
Formato criado pelos Arquivos Federais da Suíça para preservação de bases de dados Norma suíça eCH-0165

Versão 2 em desenvolvimento no contexto do projeto E-ARK

Inclui sugestões e experiências de vários arquivos europeus (Arquivo Nacional da Torre do Tombo, Arquivos Federais da Suíça e Arquivos Nacionais da Dinamarca, Eslovénia, Estónia, Hungria e Noruega)

Preserva as propriedades significativas das bases de dados

Utilização em contexto de arquivo





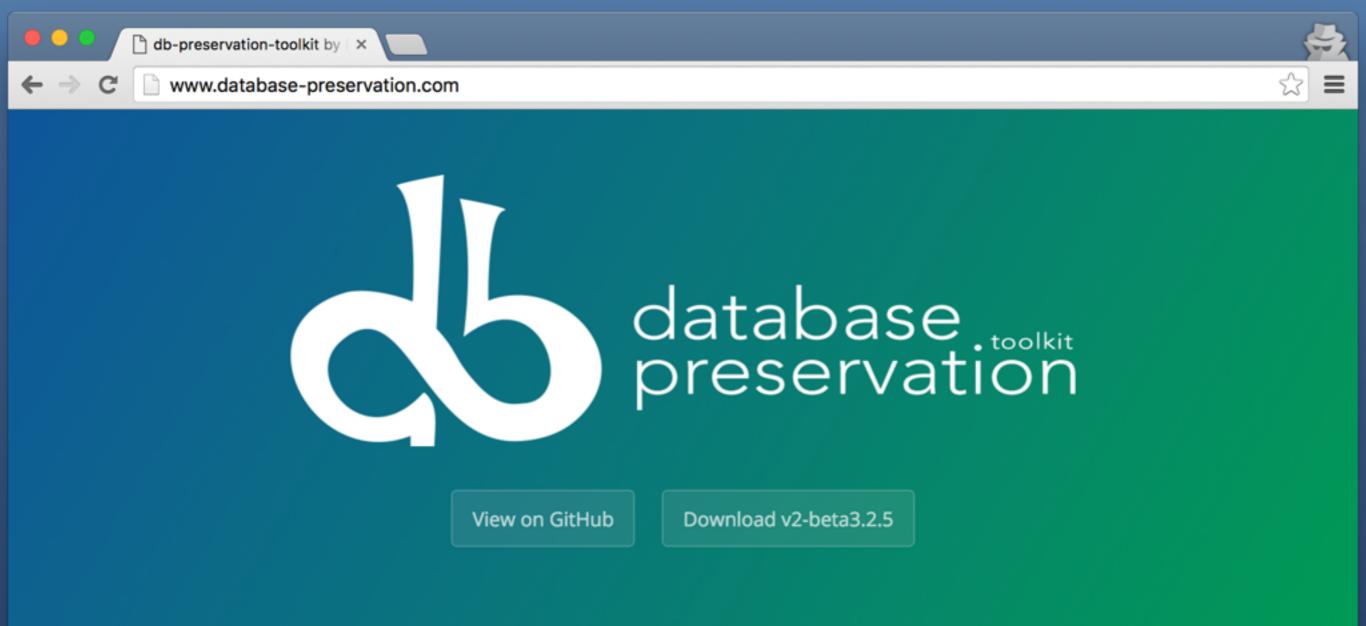
Converte bases de dados para SIARD

Converte SIARD para base de dados

Suporta os cinco principais Sistemas de Gestão de Bases de Dados: Oracle, Microsoft SQL Server, MySQL, PostgreSQL, MS Access, e mais...

www.databasepreservation.com





Database Preservation Toolkit

The Database Preservation Toolkit allows conversion between Database formats, including connection to live systems, for purposes of digitally preserving databases. The toolkit allows conversion of live or backed-up databases into preservation formats such as **SIARD**, a XML-based format created for the purpose of database preservation. The toolkit also allows conversion of the preservation formats back into live systems to allow the full functionality of databases. For example, it supports a specialized export into MySQL, optimized for PhpMyAdmin, so the database can be fully experimented using a web

interface

6 Database Visualization Toolkit

Plataforma Web

Acesso a bases de dados arquivadas

Permite explorar e pesquisar a base de dados

Não requer conhecimentos técnicos

Exportar resultados da pesquisa (formatos CSV, Excel, PDF)







Database Visualization Toolkit

Q Search in all tables



- 6 Information
- Users & Roles
- Schema sakila
 - Structure
 - Routines
 - Triggers

 - Y Views
 - Data
 - actor
 - address

 - m city

 - m customer
 - ⊞ film
 - Ⅲ film_actor
 - Ⅲ film_category
 - ☐ film_text
 - inventory
 - language
 - □ payment

Database information

Database Name

sakila

Archival Date

2016-06-17T01:00:00.000+0100

Archivist

Bruno Ferreira

Archivist contact

email: bferreira@keep.pt, phone: 912345678

Client machine

Brunos-MacBook-Pro.local (fetched automatically)

Database product

MySQL 5.5.42

Data origin time span

Early 2005 to March 2006

Data owner

MySQL team

Description

The Sakila sample database was initially developed by Mike Hillyer, a former member of the MySQL AB documentation team, and is intended to provide a standard schema that can be used for examples in books, tutorials, articles, samples, and so forth. Sakila sample database also serves.



 \equiv





192.168.1.102:8080/index.html#table/e7c93636-bd03-4b3c-8d5e-0ac327ad8983/95868607-cd3d-4761-8... < ☆</p>

Database Visualization Toolkit

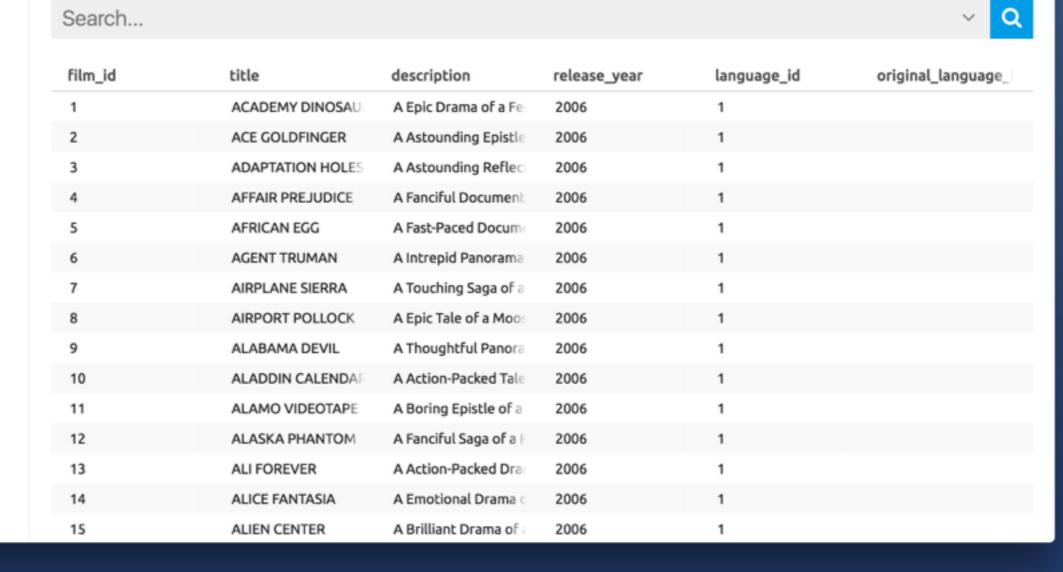
Q Search in all table

□ Databases / □ sakila / □ sakila / □ film

- Database
 - O Information
 - Users & Roles
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 - Structure
 - Routines
 - Triggers
 - ✓ Check constraints
 - Views
 - **##** Data
 - actor
 - address

 - m customer
 - film
 - Ⅲ film_actor
 - film_category
 - film_text
 - inventory
 - language
 - □ payment

Table: film









■ Databases /

sakila /
sakila /
film



- Database
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 - Triggers
 - Check constraints
 - Y Views
 - **B** Data
 - actor
 - address
 address

 - ⊞ film
 - ⊞ film_actor
 - film_category
 - ⊞ film_text
 - Ⅲ inventory

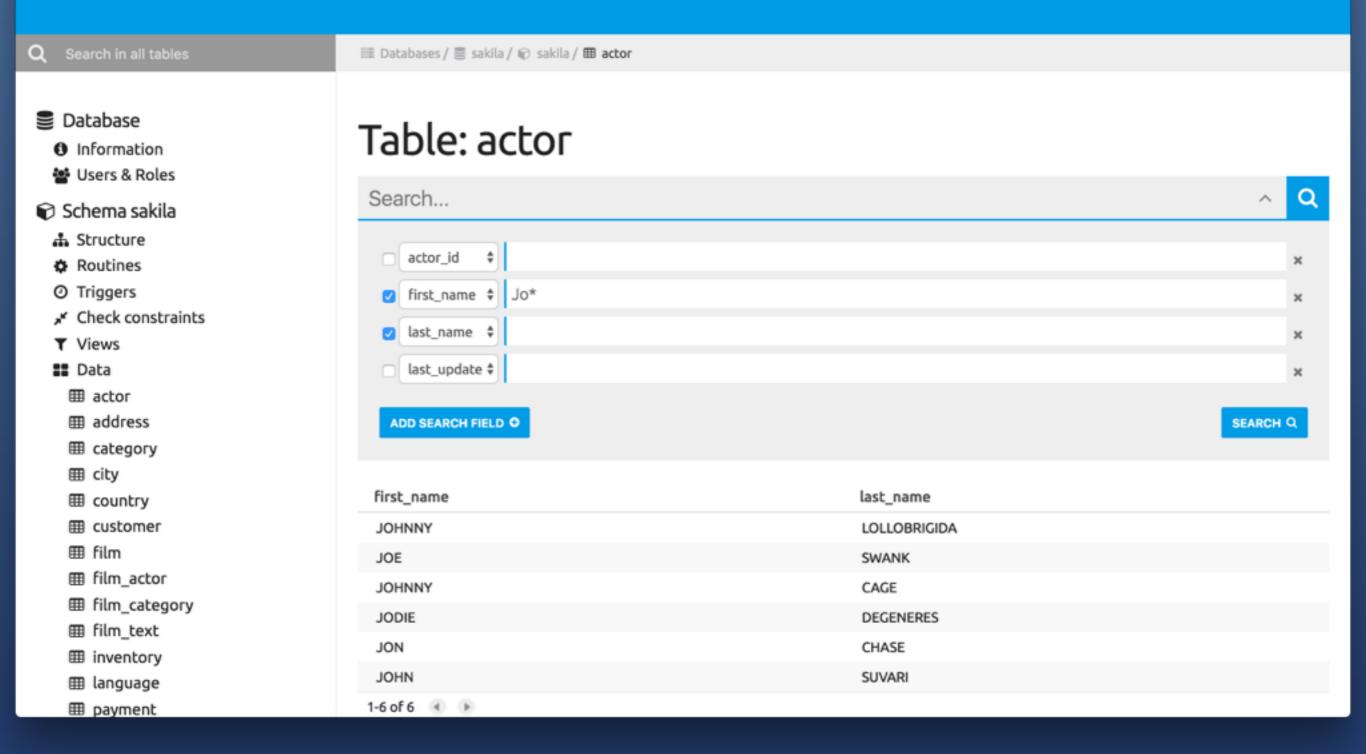
Table: film

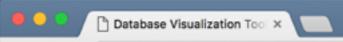






Database Visualization Toolkit











192.168.1.102:8080/index.html#record/e7c93636-bd03-4b3c-8d5e-0ac327ad8983/95868607-cd3d-4761-...

Database Visualization Toolkit

Q Search in all tables

□ Databases / □ sakila / □ sakila / □ film / □ Record



- 6 Information
- Users & Roles

Schema sakila

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- Ⅲ film_category
- ☐ film_text
- Ⅲ inventory
- language

Record details

film id

15 Explore related records

title

ALIEN CENTER

description

A Brilliant Drama of a Cat And a Mad Scientist who must Battle a Feminist in A MySQL Convention

release_year

2006

language_id

1 Explore related records

original_language_id

NULL

rental_duration

rental_rate

2.99

length

46



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