

Målsetting

- o Ta uttrekk av Avleringspakke (SIP) med SIARD Edit 1.x test-databaser og lagre dem i SIARD 1.0-formatet.
- o Ha full kontroll av metodikk for bruken av SIARD Edit 1.0 og for registrering av metadataregistreringen i SIP.
- o Ha full kontroll av resulterende SIARD 1.0 format bestående av xml metadata beskrivelse og xml data-filer.

Merknader

- o SIARD Edit 1.78 er brukt i dokumentasjonen under.
- o SIARD 1.0 formatet som vi bruker her lagrer dokumenter lagret i blob-felter som de er i databasen.
- o SIARD 2.0 formatet som er under høring vil kunne spesifisere ekstern mappe hvor dokumentene skal lagres.

Forutsetninger

- o MySQL database med full administrator tilgang må være tilgjengelig på din lokal PC eller annen PC.
- o MySQL administrator-konsoll må være tilgjengelig (phpMyAdmin, MySQL Workbench eller lignende).
- o MySQL testdatabaser må være satt opp (via SQL-spørringer eller SIARD Edit import).

Linker

SIARD: Software Independant Archiving of Relational Databases from the Swiss Federal Archives.
Programvare er fritt tilgjengelig etter at man er registrert med det Sveitsiske Riksarkivet.

<http://www.digitalpreservation.gov/formats/fdd/fdd000426.shtml>

SIARD Edit fra KDRS Google Drive

Du må være KDRS-medlem eller være i et samarbeid med KDRS for å få tilgang til denne mappa.

<https://drive.google.com/drive/folders/0B8db1uAvhEW1bjQ4M1BjMHRrUVk>

Bruerveiledning

1) Installering av SIARD Edit 1.x (i eksempelet SIARD Edit 1.78)

Det anbefales å legge din SIARD Edit-versjon 1.x i mappa "C:\prog\siard-edit-1.x".

For Siard Edit 1.78 blir det i mappa "C:\prog\siard-edit-1.78".

Det vil si at du endrer navn på hovedmappa til "siard-edit-1.78".

Første gang du kjører SIARD Edit så spør den om du vil installere programmet

- o JA: SIARD Edit 1.x kopierer seg til den mappa du angir.
- o NEI: SIARD installeres ikke, men kjøres som den er fra den mappa du startet programmet fra.

2) Start Siard Edit 1.x (i eksempelet SIARD Edit 1.78)

Start "siardedit.cmd" Windows kommandoskript fra Windows utforsker eller lagret snarvei på skrivebord.

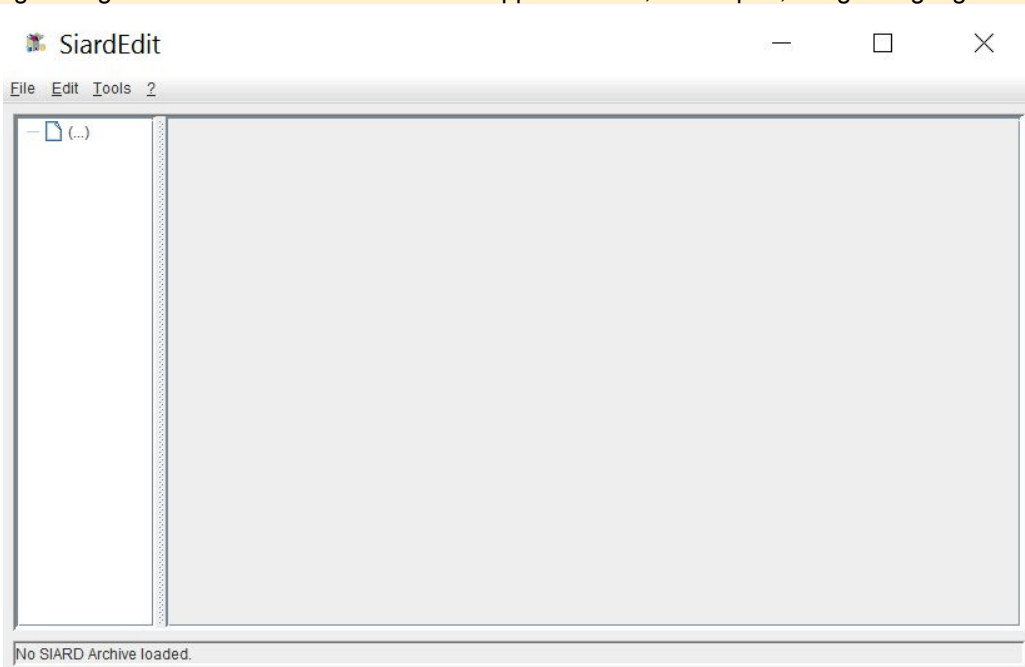
Lokal disk (C:) > prog > siard-edit-1.78

Navn	Endringsdato	Type	Størrelse
bin	01.09.2015 17.17	Filmappe	
doc	01.09.2015 17.24	Filmappe	
etc	01.09.2015 17.17	Filmappe	
lib	01.09.2015 17.17	Filmappe	
samples	01.09.2015 17.17	Filmappe	
desktop.cmd	01.09.2015 17.17	Windows-kommandoskript	13 kB
desktop.sh	01.09.2015 17.17	Shell Script	6 kB
FAQ_de.html	01.09.2015 17.17	HTML-fil	13 kB
FAQ_en.html	01.09.2015 17.17	HTML-fil	9 kB
readme.html	01.09.2015 17.17	HTML-fil	7 kB
reg.exe	01.09.2015 17.17	Program	49 kB
setx.exe	01.09.2015 17.17	Program	12 kB
Shortcut.exe	01.09.2015 17.17	Program	56 kB
siardedit.cmd	26.01.2016 10.12	Windows-kommandoskript	8 kB
siardedit.ico	01.09.2015 17.17	Ikon	9 kB
siardedit.sh	01.09.2015 17.17	Shell Script	5 kB
siardfromdb.cmd	01.09.2015 17.17	Windows-kommandoskript	8 kB
siardfromdb.sh	01.09.2015 17.17	Shell Script	6 kB
siardtodb.cmd	01.09.2015 17.17	Windows-kommandoskript	8 kB
siardtodb.sh	01.09.2015 17.17	Shell Script	6 kB
undesktop.cmd	01.09.2015 17.17	Windows-kommandoskript	7 kB
undesktop.sh	01.09.2015 17.17	Shell Script	3 kB

3) Ignorer ev. feilmelding "The system was unable to find the specified registry key or value".

```
siardedit-1.78
Active code page: 1252
ERROR: The system was unable to find the specified registry key or value.
```

I grafisk grensesnitt kan laste ned fra eller opp database, samt åpne, redigere og lagre SIARD 1.0-filer.



4) Laste ned Avleveringspakke SIP fra testdatabase

Velg meny "File > New from database" og velg katalog og filnavn til SIARD 1.0-resultatfil av database-nedlastingen.
F. eks.: "C:\uttrekk-siard\testdb01_mysql_2016-02-11.siard"

localhost:3306/testdb01
user01

testdb01_mysql_2016-02-11

Test Database 01
1 single table: testtabell

Per Person
per.person@test.kommune.no
Test kommune
01.01.1963-31.12.1967

Test Database 02
Kataloginformasjon fra 2 kommunale arkiv.
6 Tabeller: arkivskaper, arkiv, serie, stykke, mappe, objekt (tom)

user02 from Test Database testdb02.
Test Database testdb02 schema description.

Table arkiv in Test Database testdb02.
Table arkivskaper in Test Database testdb02.
Table mappe in Test Database testdb02.
Table objekt in Test Database testdb02.
Table serie in Test Database testdb02.
Table stykke in Test Database testdb02.

Arkivets navn.
arkivID er primærnøkkel.
Candidate keys columns described here.
Foreign keys description here.

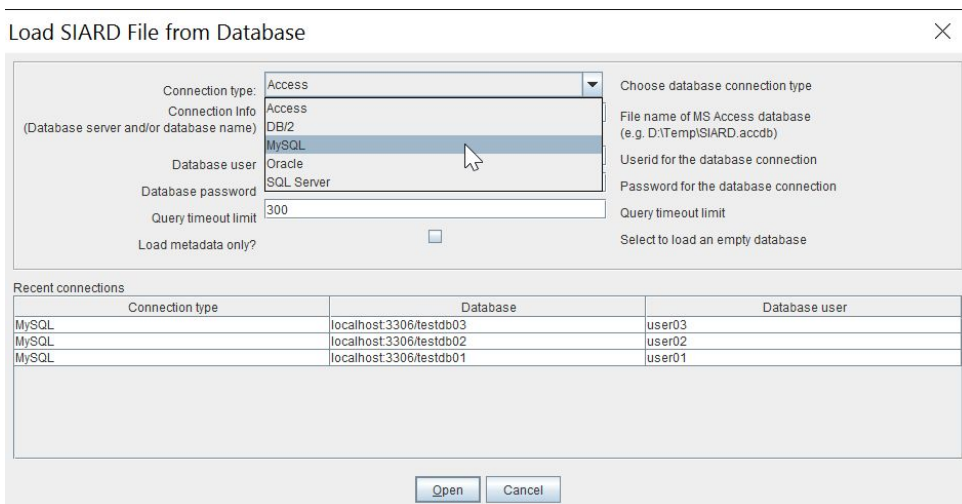
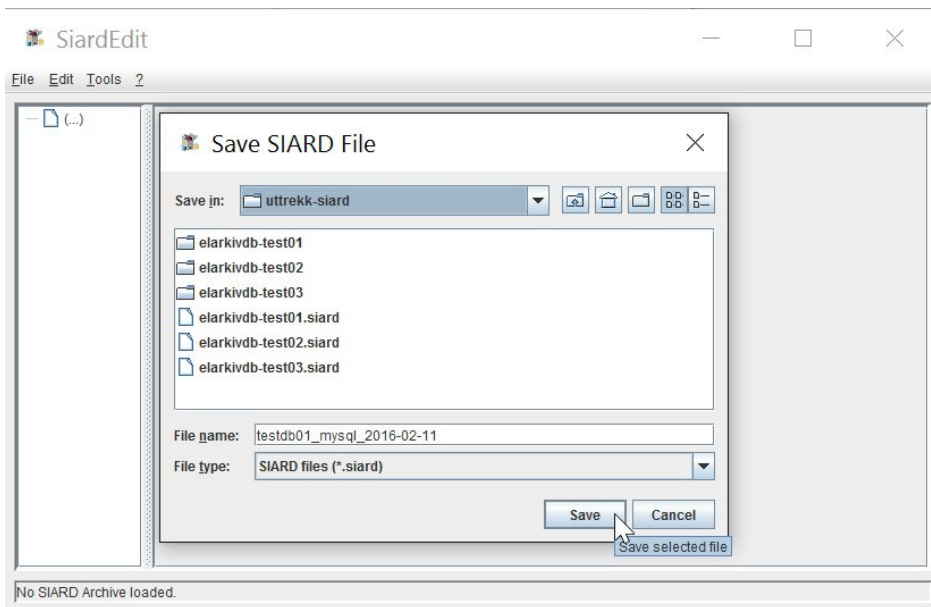
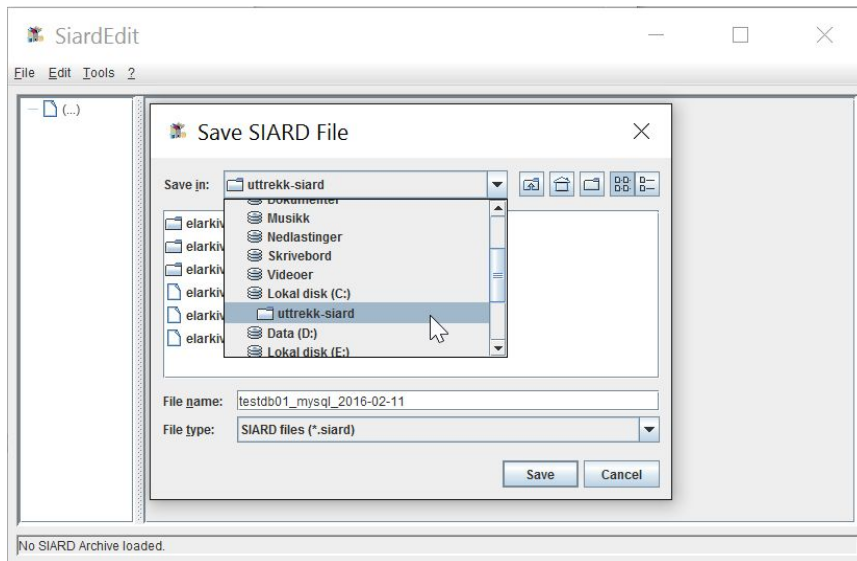
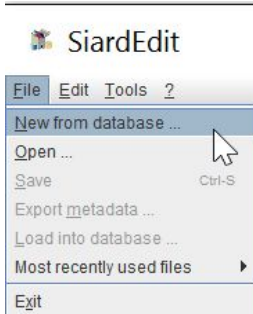
Test Database 03
Kataloginformasjon fra 2 kommunale arkiv.
6 Tabeller: arkivskaper, arkiv, serie, stykke, mappe, objekt
Dokumenter i egen filkatalog "..\objekt".

Table objekt in Test Database testdb03.
Felt i tabellen peker mot filkatalog med dokumenter.

Test Database 04
Kataloginformasjon fra 2 kommunale arkiv.
6 Tabeller: arkivskaper, arkiv, serie, stykke, mappe, objekt
Dokumenter lagret i blob-felt i tabellen objekt.

Table objekt in Test Database testdb04.
Documents saved in blob-field in the table.

Blob-field where the document is stored inside the Database i the table row.



Load SIARD File from Database



Connection type: Choose database connection type
 Connection info (Database server and/or database name): (Server[:Port])/(Database) of the MySQL database (e.g. dbhost.internet.ch:3306/test)
 Database user: Userid for the database connection
 Database password: Password for the database connection
 Query timeout limit: Query timeout limit
 Load metadata only? ☐ Select to load an empty database

Recent connections

Connection type	Database	Database user
MySQL	localhost:3306/testdb03	user03
MySQL	localhost:3306/testdb02	user02
MySQL	localhost:3306/testdb01	user01

SIARD file from database



Database: localhost:3306/testdb01
 SIARD File: C:\uttrekk-siard\testdb01_mysql_2016-02-11.siard

```

11.02.2016 19:36:18.542 Column meta data for beskrivelse successfully copied.
11.02.2016 19:36:18.543 Copying column meta data for arkivkodefra ...
11.02.2016 19:36:18.596 Column meta data for arkivkodefra successfully copied.
11.02.2016 19:36:18.596 Copying column meta data for arkivkodelil ...
11.02.2016 19:36:18.660 Column meta data for arkivkodelil successfully copied.
11.02.2016 19:36:18.661 Copying primary key meta data for testtabell ...
11.02.2016 19:36:18.683 Primary key meta data for testtabell successfully copied.
11.02.2016 19:36:18.773 Table meta data for testtabell successfully copied.
11.02.2016 19:36:18.840 Schema meta data for testdb01 successfully copied.
11.02.2016 19:36:18.996 Copying user meta data for user01 ...
11.02.2016 19:36:18.996 User meta data for user01 successfully copied.
11.02.2016 19:36:19.079 Database metadata successfully copied.
11.02.2016 19:36:19.079 Metadata successfully copied.
11.02.2016 19:36:19.083 Copying schema testdb01 to content/schema0/ ...
11.02.2016 19:36:19.083 Copying table testtabell to content/schema0/table0 ...
11.02.2016 19:36:19.155 6 record(s) copied (0 Bytes in 2 ms: 0.00 kByte/sec)
11.02.2016 19:36:19.176 Table testtabell successfully copied (2'085 Bytes in 93 ms: 22.42 kByte/sec).
11.02.2016 19:36:19.176 Schema testdb01 successfully copied.
11.02.2016 19:36:19.176 Database successfully copied (2'169 Bytes in 97 ms: 22.36 kByte/sec).
    
```

SIARD file from database



Database: localhost:3306/testdb01
 SIARD File: C:\uttrekk-siard\testdb01_mysql_2016-02-11.siard

SiardEdit - C:\uttrekk-siard\testdb01_mysql_2016-02-11.siard*

File Edit Tools 2

testdb01_mysql_2016-02-11.siard

- schemas (1)
- users (1)
- USER01

SIARD format version 1.0

Database name* testdb01_mysql_2016-02-11

Database description Test Database 01
1 single table: testtabell

Database archived by Per Person

Archivist's contact details per.person@test.kommune.no

Data owner prior to archiving* Test kommune

Data creation time span* 01.01.1963-31.12.1967

Creating application SiardEdit 1.78 Swiss Federal Archives, Berne, Switzerland, 2007-2015

Date of archival 11.02.2016

Primary data message digest MD5CF96D75E528E6592C87B1843658233DF

Client computer for archiving IKAMR-B20.ikamr2.local

Database product MySQL 5.6.28

Connection data for archiving jdbc:mysql://localhost:3306/testdb01

Database user for archiving user01

Discard Apply

Row	Schema name	Tables
0	testdb01	1

SIARD Archive C:\uttrekk-siard\testdb01_mysql_2016-02-11.siard with unsaved changes

SiardEdit - C:\uttrekk-siard\testdb01_mysql_2016-02-11.siard*

File Edit Tools 2

testdb01_mysql_2016-02-11.siard

- schemas (1)
- users (1)
- USER01

User name USER01

User description Test-user from Test database testdb01.

Discard Apply

SIARD Archive C:\uttrekk-siard\testdb01_mysql_2016-02-11.siard with unsaved changes

SiardEdit - C:\uttrekk-siard\testdb01_mysql_2016-02-11.siard*

File Edit Tools 2

testdb01_mysql_2016-02-11.siard

- schemas (1)
- testdb01
- tables (1)
- users (1)
- USER01

Schema name testdb01

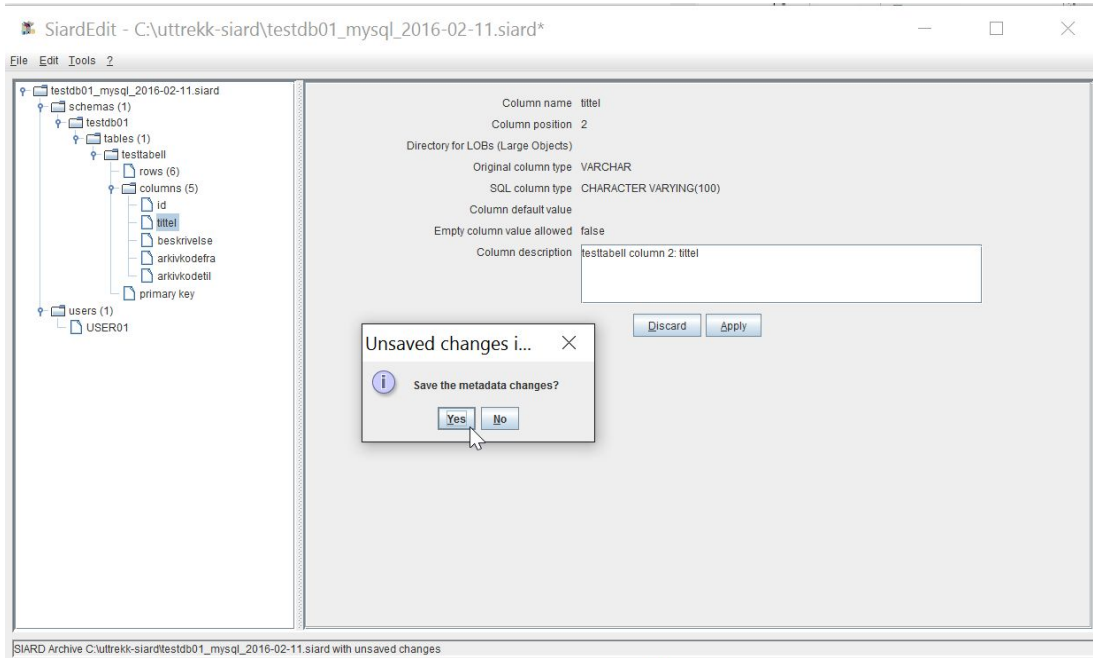
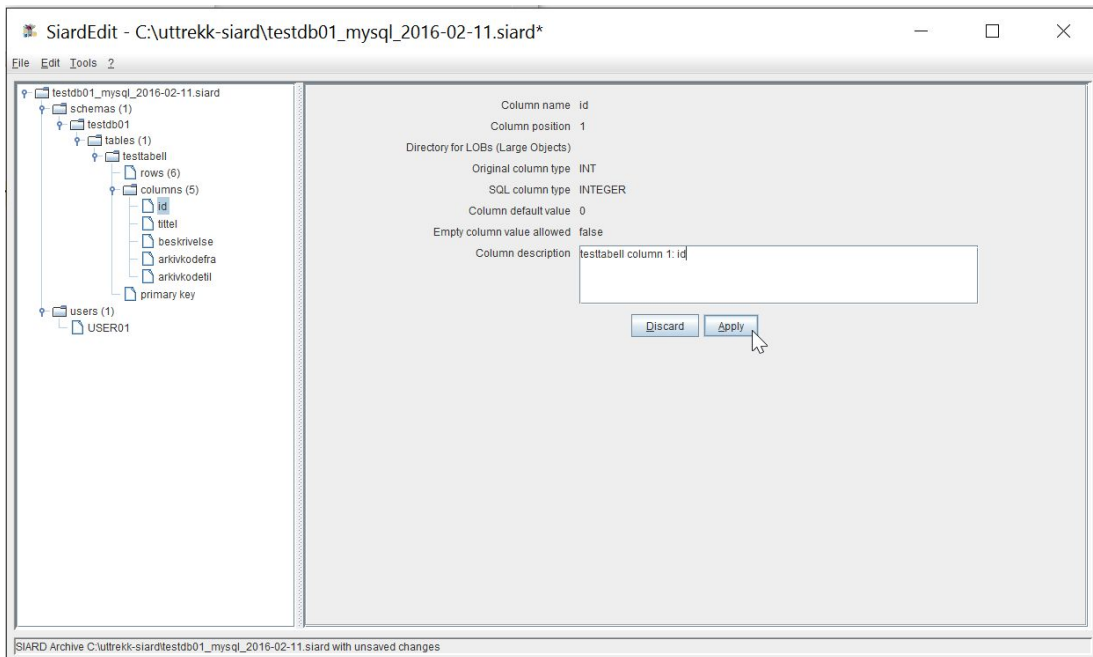
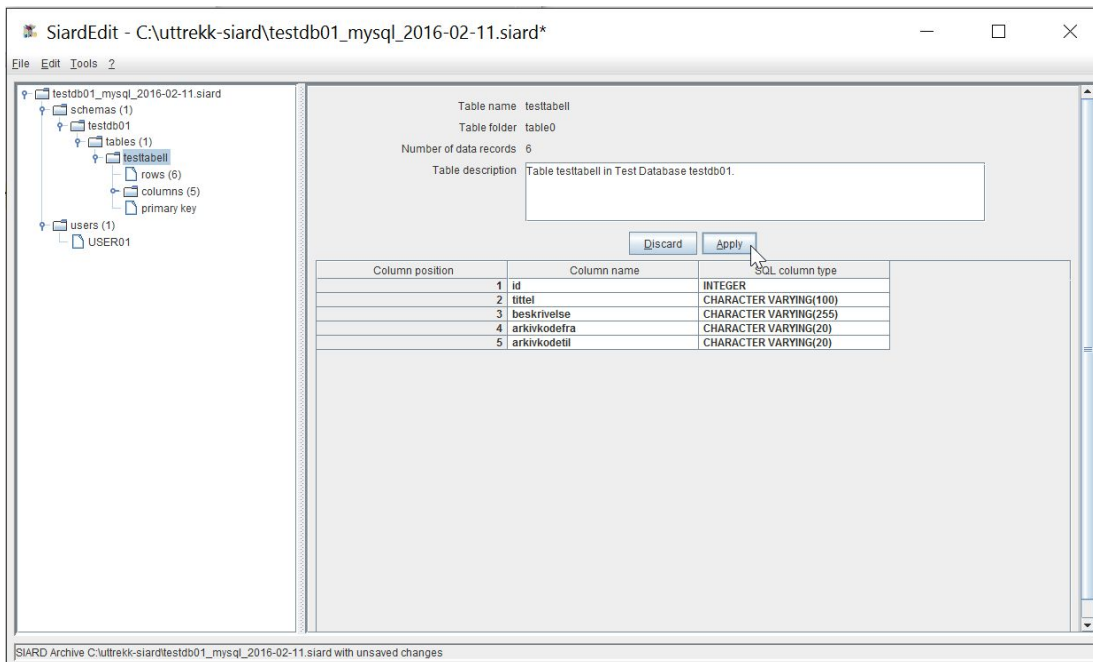
Schema Folder schema0

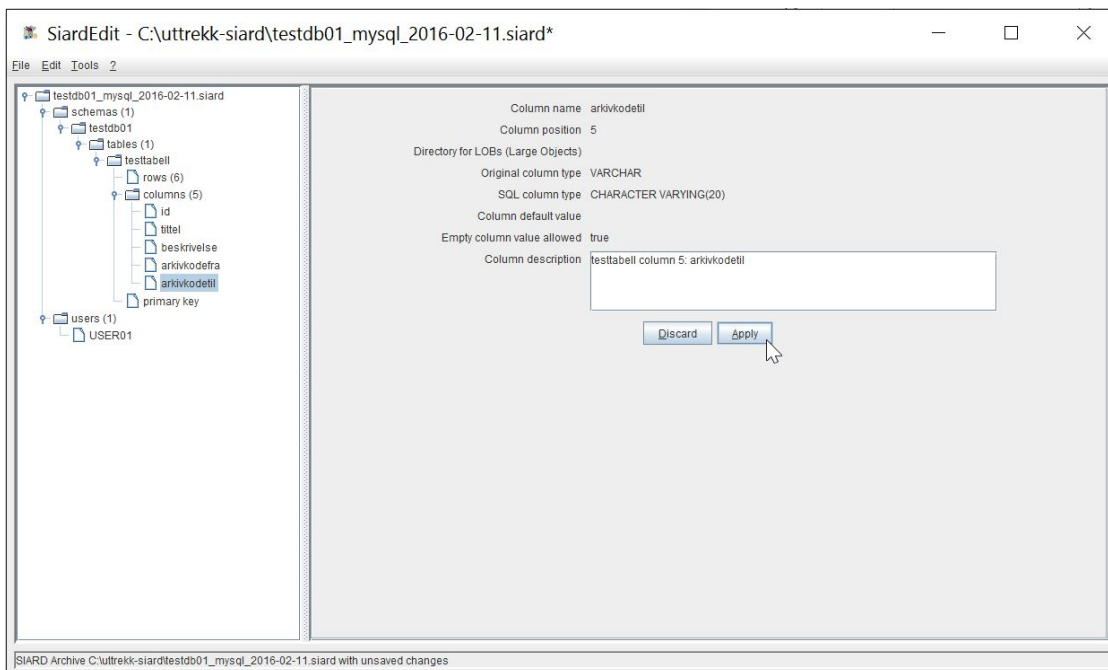
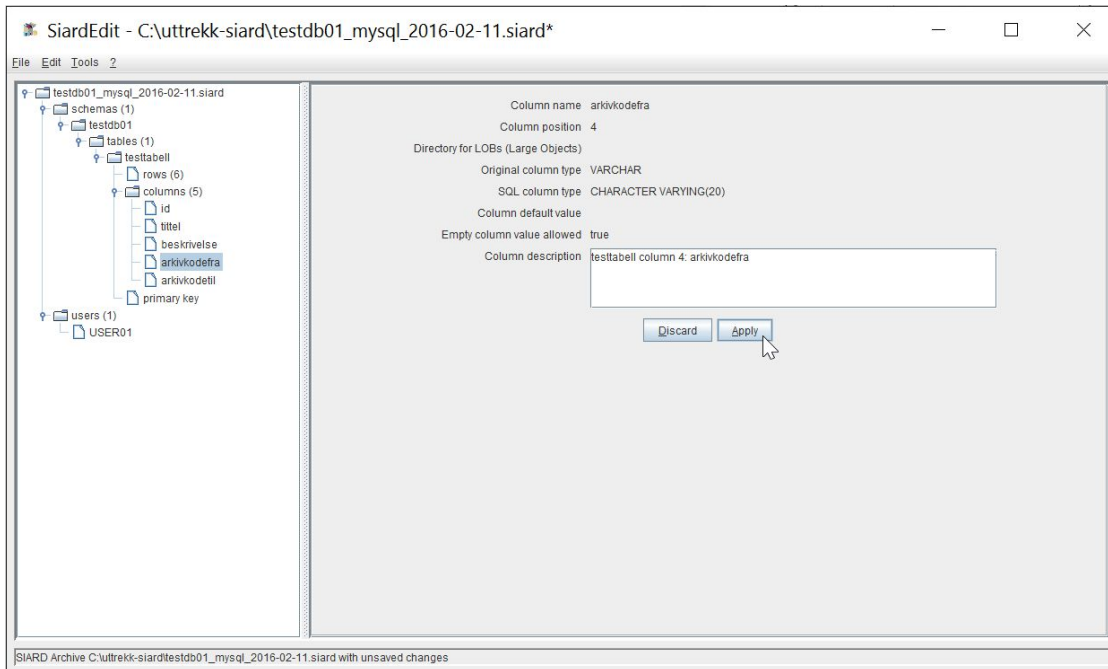
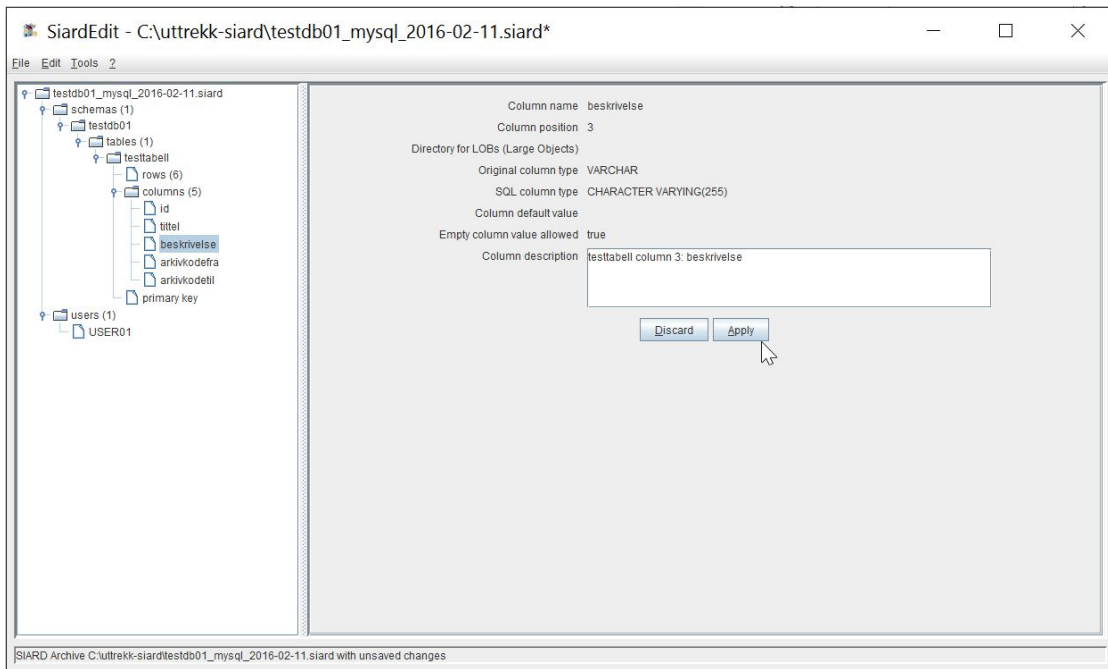
Schema description Test Database testdb01 schema description.

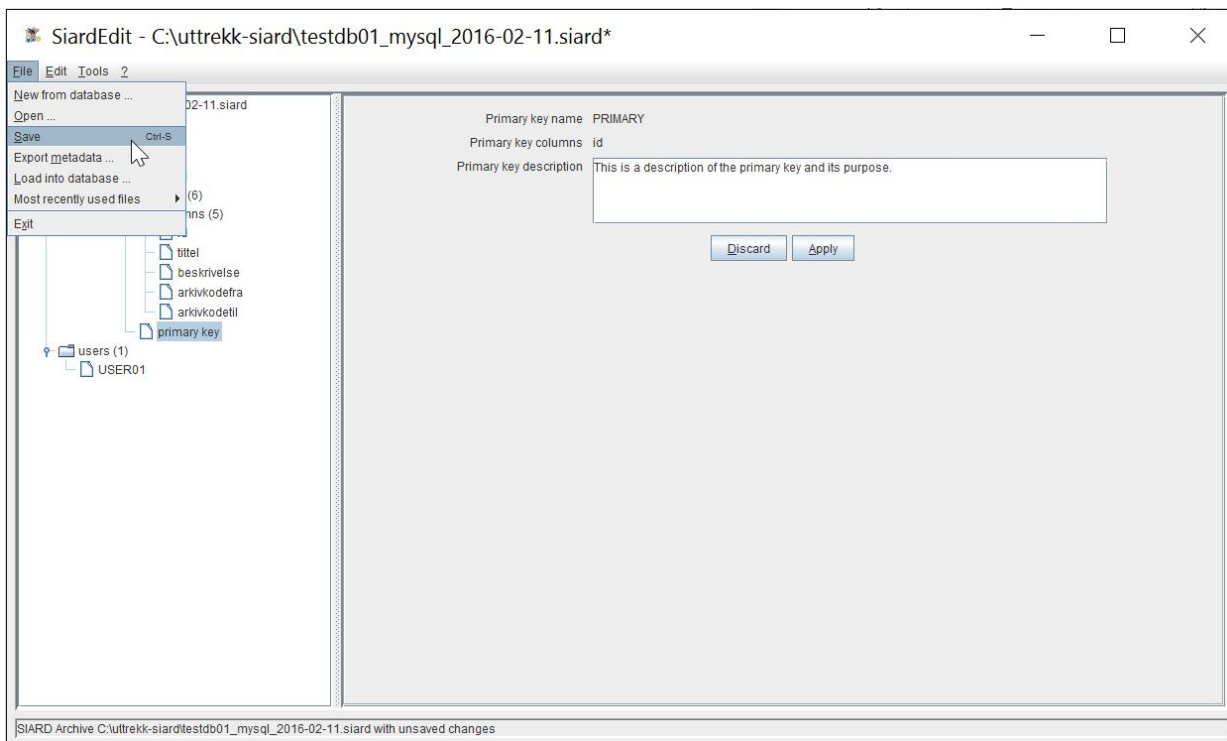
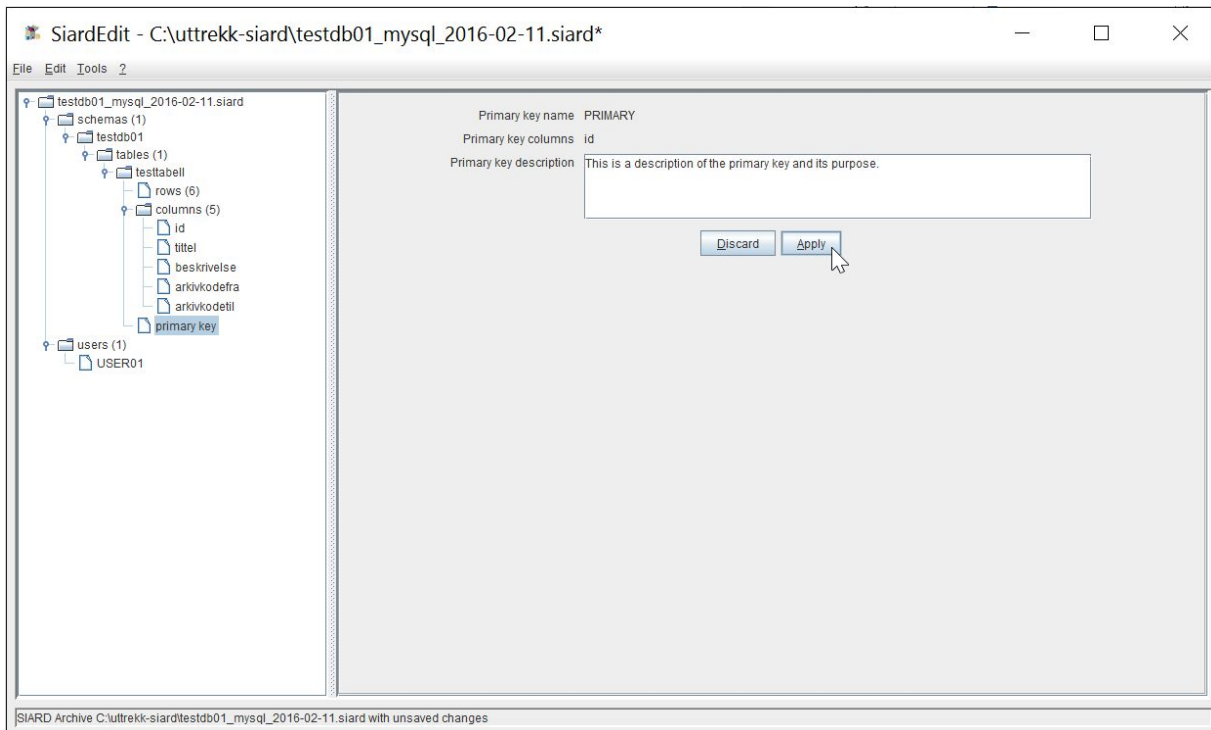
Discard Apply

Row	Table name	Number of data records
0	testtabell	6

SIARD Archive C:\uttrekk-siard\testdb01_mysql_2016-02-11.siard with unsaved changes

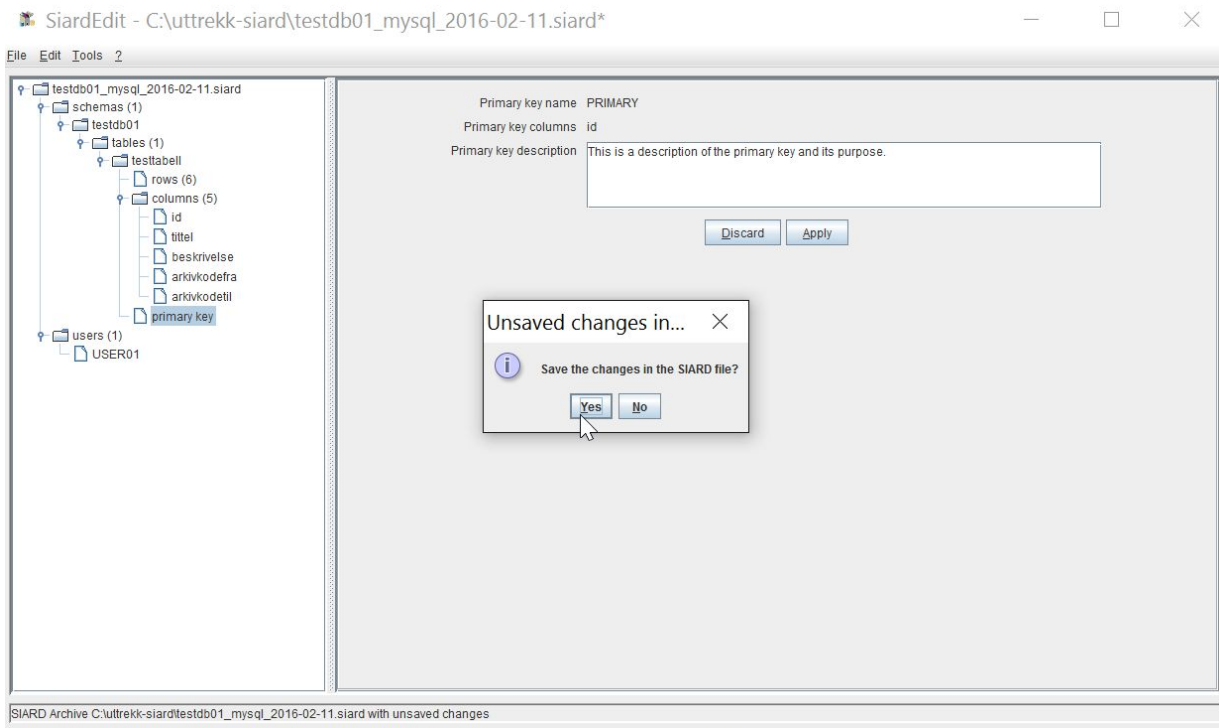




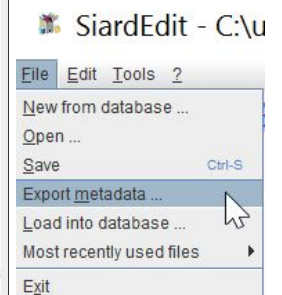
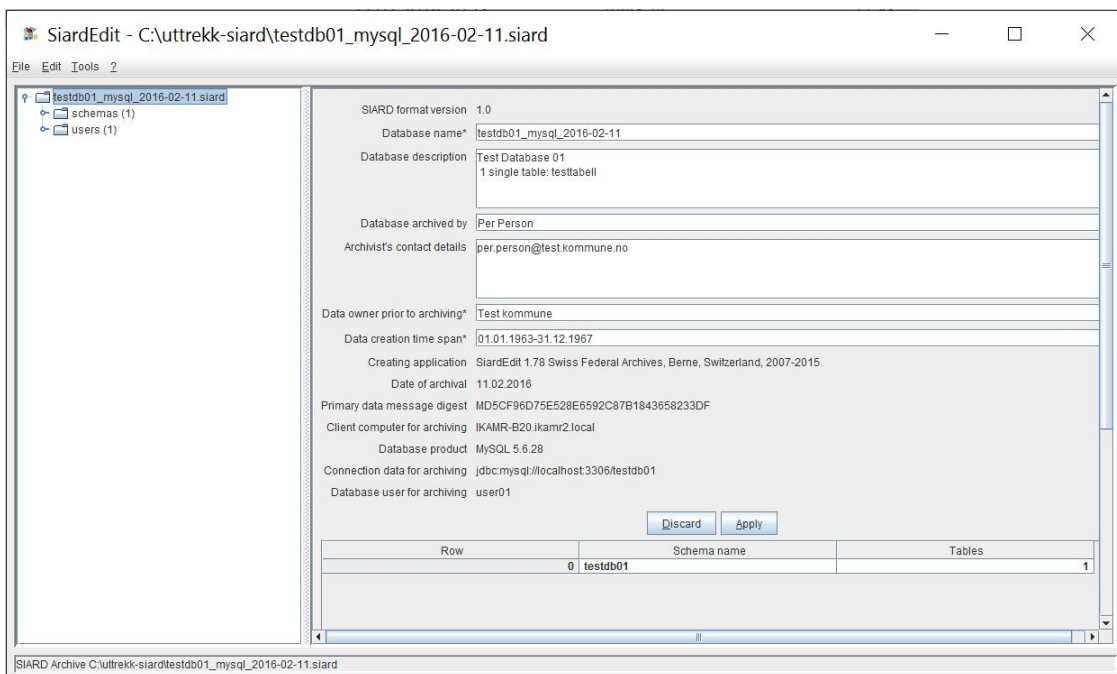
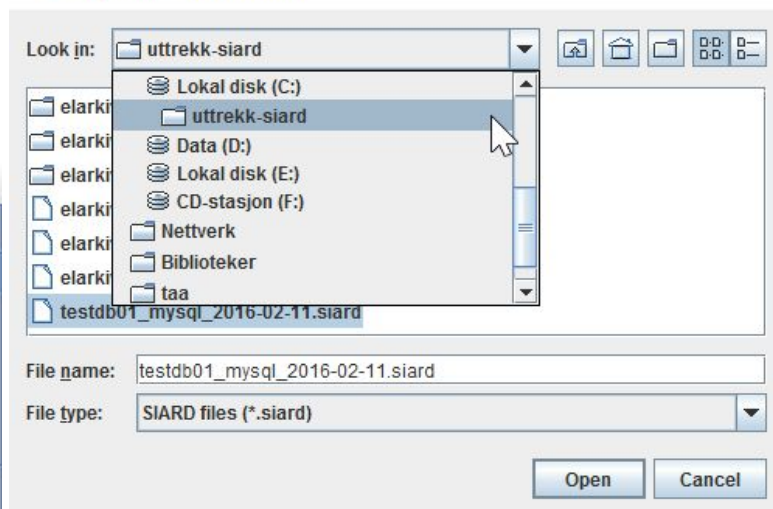
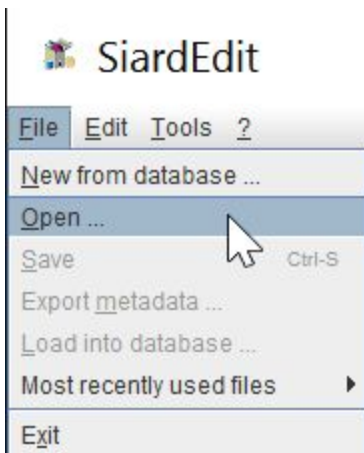


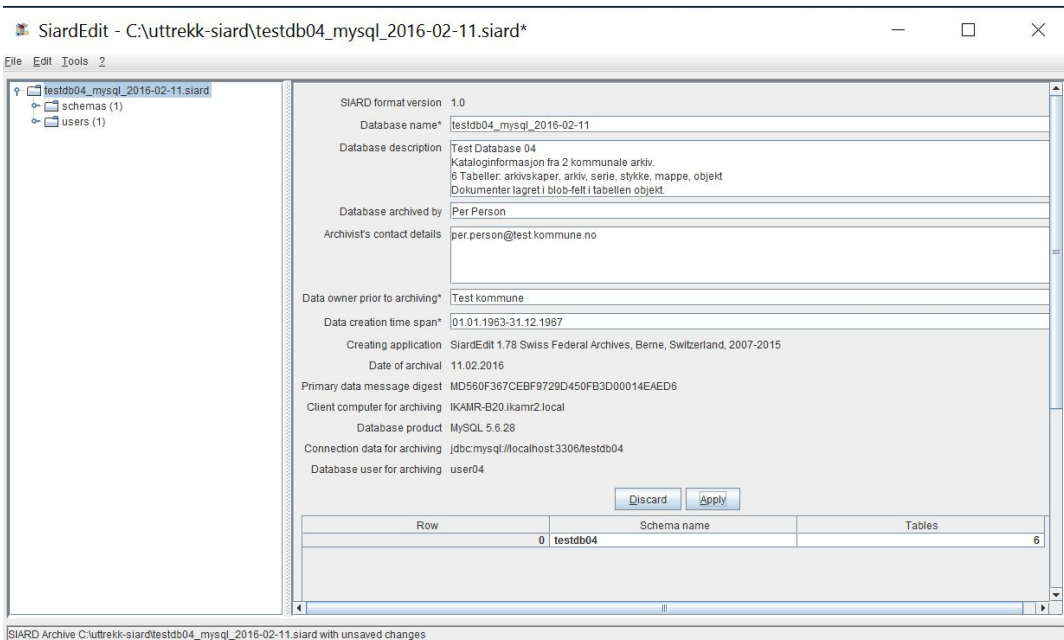
SIARD Archive C:\uttrekk-siard\testdb01_mysql_2016-02-11.siard with unsaved changes

SIARD Archive C:\uttrekk-siard\testdb01_mysql_2016-02-11.siard

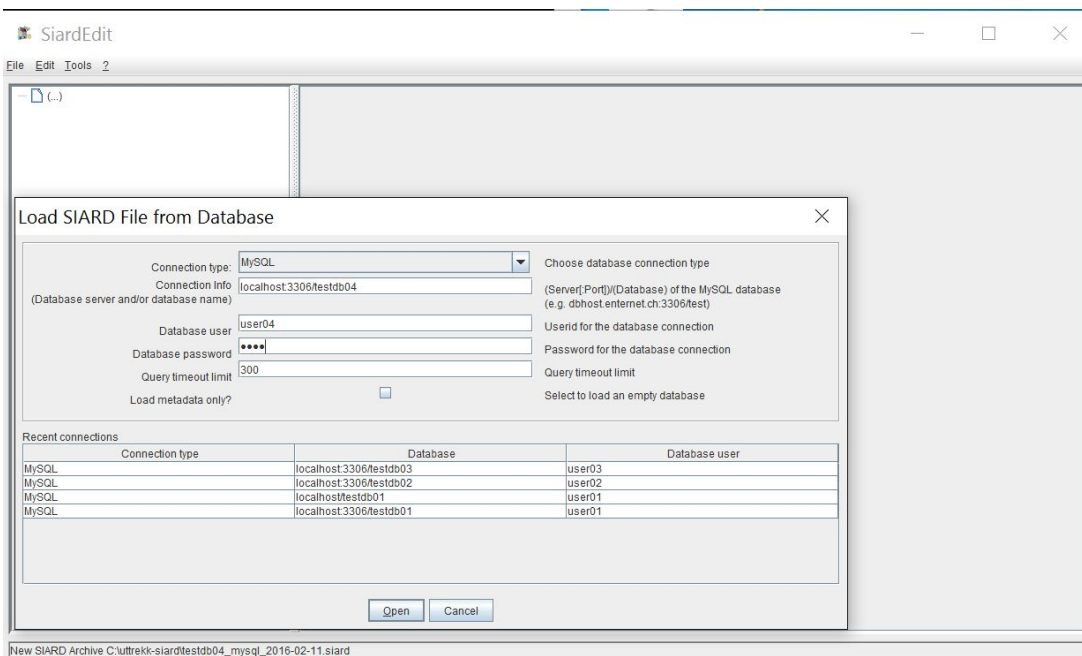
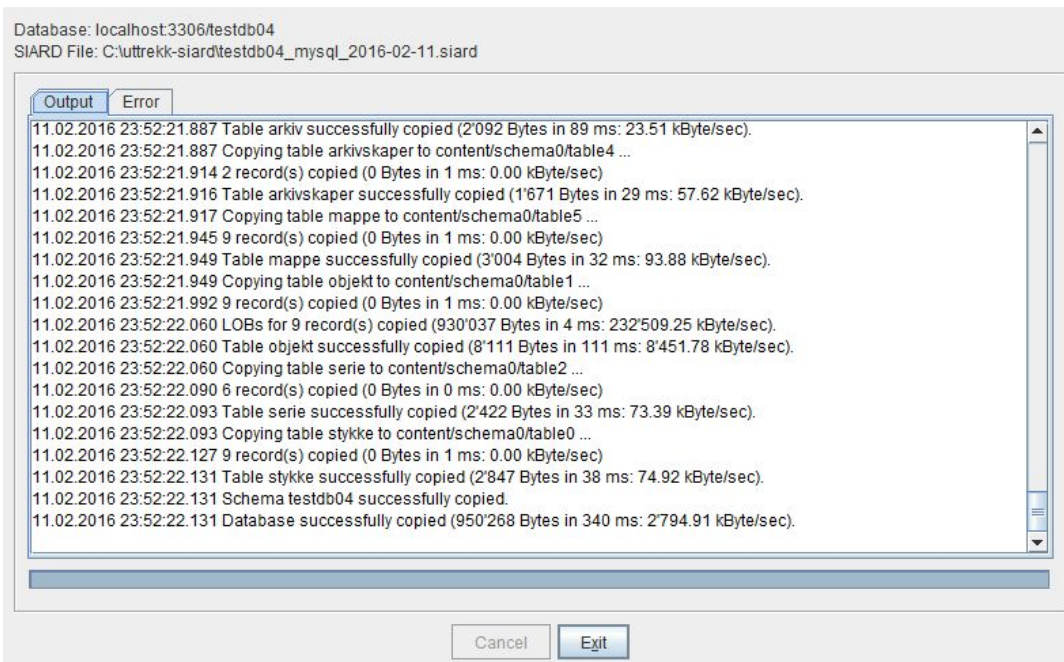


Open SIARD File





SIARD file from database



SiardEdit - C:\uttrekk-siard\testdb03_mysql_2016-02-11.siard*

File Edit Tools 2

testdb03_mysql_2016-02-11.siard

schemas (1)

testdb03

tables (6)

arkiv

arkivskaper

mappe

objekt

rows (9)

columns (9)

objektID

mappelD

navn

innhold

merknad

filKatalog

filNavn

filtypeExtension

filtypeNavn

primary key

foreign keys (1)

sene

stykke

users (1)

USER03

Table name: objekt

Data records: 0 - 8

Row	objektID	mappelD	navn	innhold	merknad	filKatalog	filNavn	filtypeExtension	filtypeNavn
0	1	1	Dokument 1	Rådet for tr...	Merknad do...	objekt	Vedlikehold...	TXT	TXT-dokum...
1	2	2	Dokument 2		Merknad do...	objekt	utvalg_k20...	XML	XML-dokum...
2	3	3	Dokument 3	Brannstyret	Merknad do...	objekt	1.pdf	PDF	PDF-dokum...
3	4	4	Dokument 4	Teknisk utval	Merknad do...	objekt	2.pdf	PDF	PDF-dokum...
4	5	5	Dokument 5	Møter i vas...	Merknad do...	objekt	5.pdf	PDF	PDF-dokum...
5	6	214	Dokument	Oppføring a...	Merknad do...	objekt	Noark 5v3.1...	DOCX	Word 2003...
6	7	259	Dokument	Brannngaras...	Merknad do...	objekt	Noark-5v3.1...	DOC	Word-doku...
7	8	308	Dokument	Vegar - vedl...	Merknad do...	objekt	Noark-5v3.1...	DOCX	Word-doku...
8	9	328	Dokument	Nye vegar ...	Merknad do...	objekt	Samlet over...	XLSX	Word-doku...

SIARD Archive C:\uttrekk-siard\testdb03_mysql_2016-02-11.siard with unsaved changes

SiardEdit - C:\uttrekk-siard\testdb03_mysql_2016-02-11.siard*

File Edit Tools 2

testdb03_mysql_2016-02-11.siard

schemas (1)

testdb03

tables (6)

arkiv

arkivskaper

mappe

objekt

rows (9)

columns (9)

objektID

mappelD

navn

innhold

merknad

filKatalog

filNavn

filtypeExtension

filtypeNavn

primary key

foreign keys (1)

sene

stykke

users (1)

USER03

Column name: filKatalog

Column position: 6

Directory for LOBs (Large Objects):

Original column type: VARCHAR

SQL column type: CHARACTER VARYING(255)

Column default value:

Empty column value allowed: true

Column description: Filkatalog hvor dokumenter er lagret.

Discard Apply

SIARD Archive C:\uttrekk-siard\testdb03_mysql_2016-02-11.siard with unsaved changes

Load SIARD File from Database

Connection type: MySQL

Connection Info: localhost:3306/testdb03

Database user: user03

Database password: ****

Query timeout limit: 300

Load metadata only? ☐

Choose database connection type (Server[Port]/(Database) of the MySQL database (e.g. dbhost.internet.ch:3306/test))

Userid for the database connection

Password for the database connection

Query timeout limit

Select to load an empty database

Recent connections

Connection type	Database	Database user
MySQL	localhost:3306/testdb02	user02
MySQL	localhost/testdb01	user01
MySQL	localhost:3306/testdb01	user01
MySQL	localhost:3306/testdb03	user03

Open Cancel

SiardEdit - C:\uttrekk-siard\testdb02_mysql_2016-02-11.siard*

File Edit Tools 2

testdb02_mysql_2016-02-11.siard

schemas (1)

testdb02

tables (6)

arkiv

arkivskaper

mappe

objekt

serie

stykke

rows (127)

columns (10)

stykkelD

serieID

identifikator

navn

innhold

startdato

sluttdato

arkivkodefra

arkivkodel

merknad

primary key

candidate keys (1)

foreign keys (1)

users (1)

USER02

Table name: stykke

Data records: 0 - 100 (50)

Row	stykkelD	serieID	identifikator	navn	innhold	startdato	sluttdato	arkivkodefra	arkivkodel
000	1	2	L0001	Metebok		19761101	19790326		
050	51	3	L0036	Sakslister Del 2		1984	1984		
100	101	4	L0002	Postjournal		19781031	19800702		

SIARD Archive C:\uttrekk-siard\testdb02_mysql_2016-02-11.siard with unsaved changes

SiardEdit - C:\uttrekk-siard\testdb02_mysql_2016-02-11.siard*

File Edit Tools 2

testdb02_mysql_2016-02-11.siard

schemas (1)

testdb02

tables (6)

arkiv

arkivskaper

mappe

objekt

serie

rows (6)

columns (10)

serieID

arkivID

identifikator

navn

innhold

startdato

sluttdato

arkivkodefra

arkivkodel

merknad

primary key

candidate keys (1)

foreign keys (1)

stykke

users (1)

USER02

Table name: serie

Data records: 0 - 5

Row	serieID	arkivID	identifikator	navn	innhold	startdato	sluttdato	arkivkodefra	arkivkodel
0	1	1	Ab	Metebøker ...					
1	2	1	Aa	Metebøker f...					
2	3	1	Ac	Sakslister f...					
3	4	1	Ca	Postjournal...					
4	5	2	Dba	Saksarkiv o...		1963	1965		
5	6	2	Dbb	Saksarkiv o...		1966	1967		

SIARD Archive C:\uttrekk-siard\testdb02_mysql_2016-02-11.siard with unsaved changes

SiardEdit - C:\uttrekk-siard\testdb02_mysql_2016-02-11.siard*

File Edit Tools 2

testdb02_mysql_2016-02-11.siard

schemas (1)

testdb02

tables (6)

arkiv

arkivskaper

mappe

objekt

serie

rows (368)

row000 (50)

row050 (50)

row100 (50)

row150 (50)

row200 (50)

row250 (50)

row300 (50)

row350 (18)

columns (10)

mappelD

stykkelD

identifikator

navn

innhold

startdato

sluttdato

arkivkodefra

arkivkodel

merknad

primary key

candidate keys (1)

foreign keys (1)

objekt

serie

Table name: mappe

Data records: 0 - 350 (50)

Row	mappelD	stykkelD	identifikator	navn	innhold	startdato	sluttdato	arkivkodefra	arkivkodel
000	1	1	0001	Rådet for tr...		1963	1965	2	2
050	51	4	0014	Brannmann...		1963	1965	512.1	512.1
100	101	8	0019	Generelt		1963	1965	565.0	565.0
150	151	11	0012	Attest		1966	1967	047.1	047.1
200	201	13	0018	Leikeplass ...		1966	1967	504.23	504.23
250	251	14	0038	Motering av...		1966	1967	515.2	515.2
300	301	15	0042	Gangveg m...		1966	1967	561.2	561.2
350	351	17	0023	Renovasjon...		1966	1967	571	571

SIARD Archive C:\uttrekk-siard\testdb02_mysql_2016-02-11.siard with unsaved changes

SiardEdit - C:\uttrekk-siard\testdb02_mysql_2016-02-11.siard*

File Edit Tools 2

testdb02_mysql_2016-02-11.siard

- schemas (1)
 - testdb02
 - tables (6)
 - arkiv
 - arkivskaper
 - rows (2)
 - columns (5)
 - arkivskaperID
 - identifikator
 - navn
 - innhold
 - merknad
 - primary key
 - candidate keys (1)
 - mappe
 - objekt
 - serie
 - stykke
- users (1)
 - USER02

Table name arkivskaper

Data records 0 - 1

Row	arkivskaperID	identifikator	navn	innhold	merknad
0	1	K-15290.150	Skodje kommune. Fo...		
1	2	K-15190.703	Volda kommune. Ko...		

SIARD Archive C:\uttrekk-siard\testdb02_mysql_2016-02-11.siard with unsaved changes

SiardEdit - C:\uttrekk-siard\testdb02_mysql_2016-02-11.siard*

File Edit Tools 2

testdb02_mysql_2016-02-11.siard

- schemas (1)
 - testdb02
 - tables (6)
 - arkiv
 - rows (2)
 - columns (11)
 - arkivID
 - arkivskaperID
 - depinstID
 - identifikator
 - navn
 - innhold
 - startdato
 - sluttdato
 - arkivkodefra
 - arkivkodeil
 - merknad
 - primary key
 - candidate keys (1)
 - arkiv
 - foreign keys (1)
 - arkiv_ibfk_1
 - arkivskaper
 - mappe
 - objekt
 - serie
 - stykke
 - users (1)
 - USER02

Foreign key name arkiv_ibfk_1

Foreign key columns arkivskaperID

Referenced schema testdb02

Referenced table arkivskaper

Referenced columns arkivskaperID

Match type

Delete action

Alter action

Foreign key description Foreign keys description here.

Discard Apply

SIARD Archive C:\uttrekk-siard\testdb02_mysql_2016-02-11.siard with unsaved changes

SiardEdit - C:\uttrekk-siard\testdb02_mysql_2016-02-11.siard*

File Edit Tools 2

testdb02_mysql_2016-02-11.siard

- schemas (1)
 - testdb02
 - tables (6)
 - arkiv
 - rows (2)
 - columns (11)
 - arkivID
 - arkivskaperID
 - depinstID
 - identifikator
 - navn
 - innhold
 - startdato
 - sluttdato
 - arkivkodefra
 - arkivkodeil
 - merknad
 - primary key
 - candidate keys (1)
 - arkiv
 - foreign keys (1)
 - arkiv_ibfk_1
 - arkivskaper
 - mappe
 - objekt
 - serie
 - stykke
 - users (1)
 - USER02

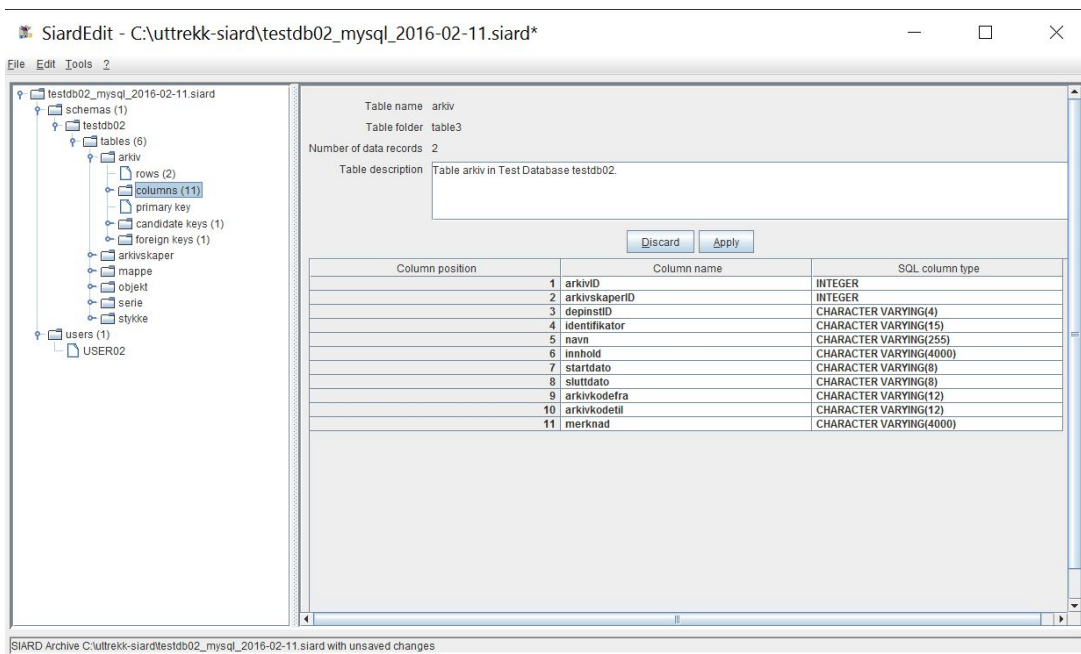
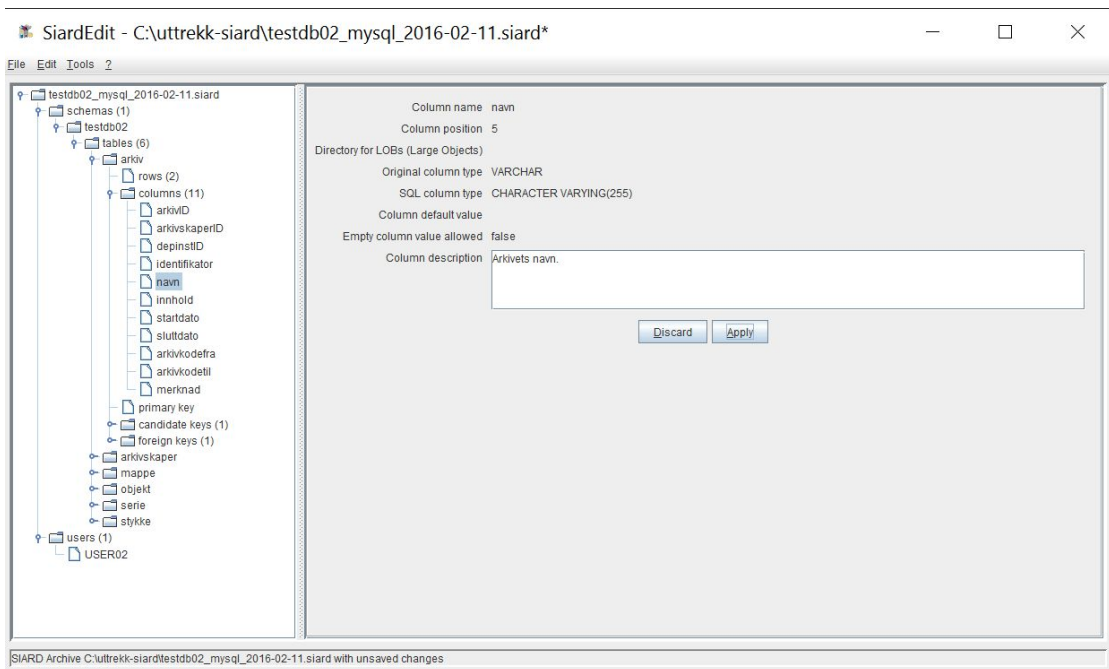
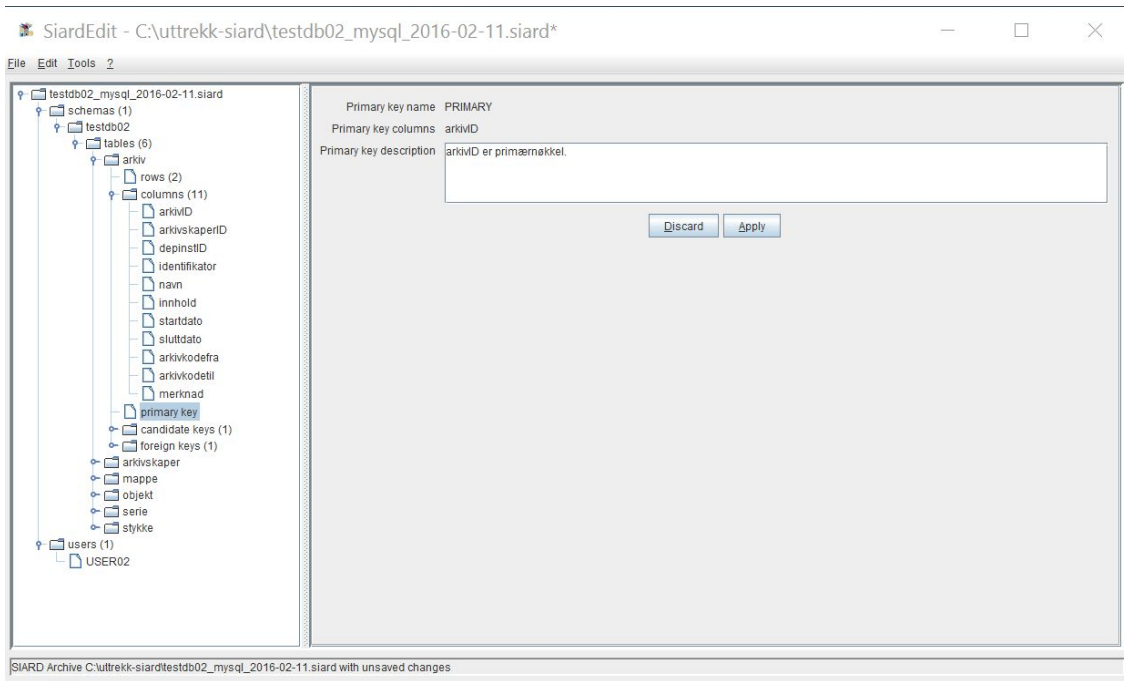
Unique key name arkiv

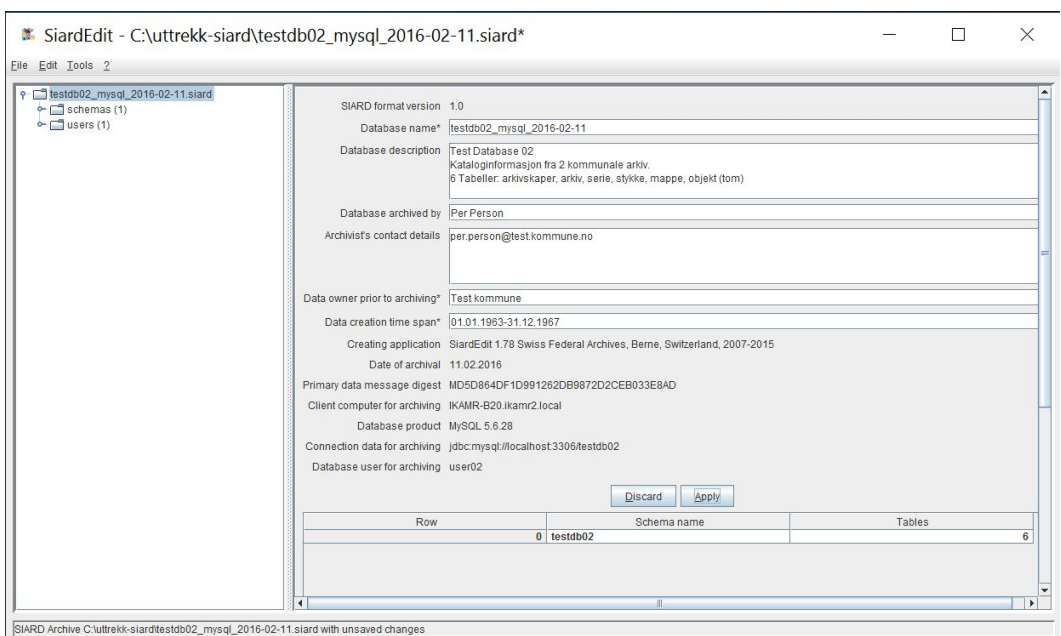
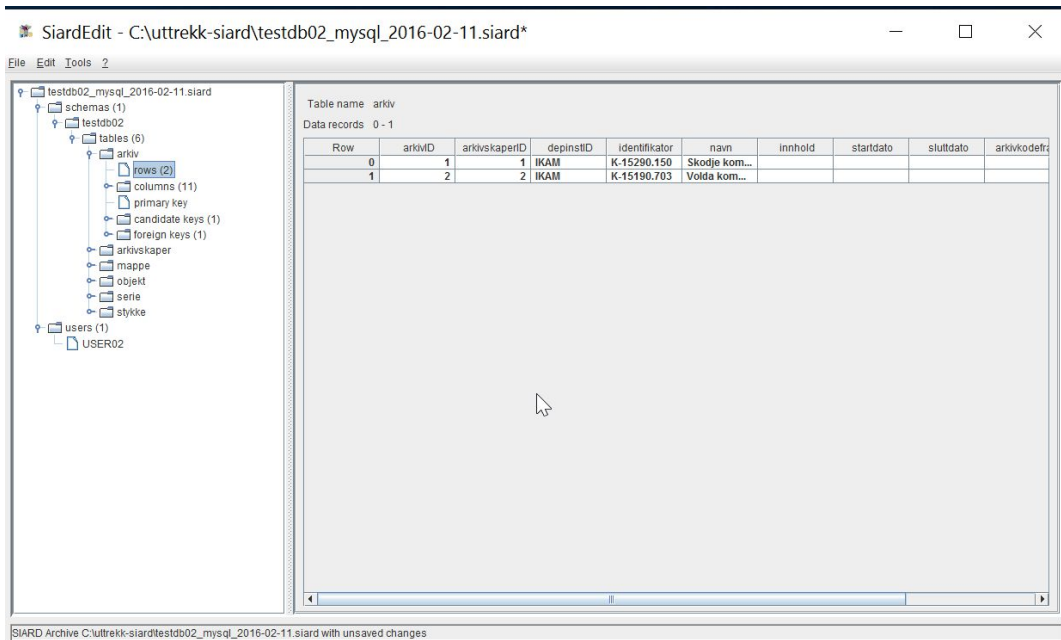
Unique key columns identifikator, depinstID

Unique key description Candidate keys columns described here.

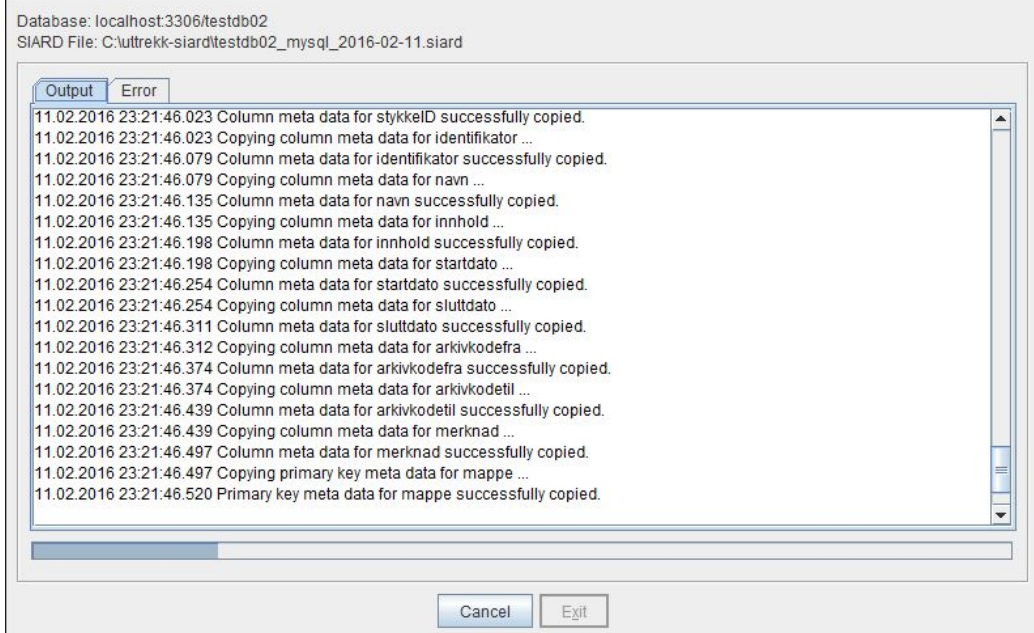
Discard Apply

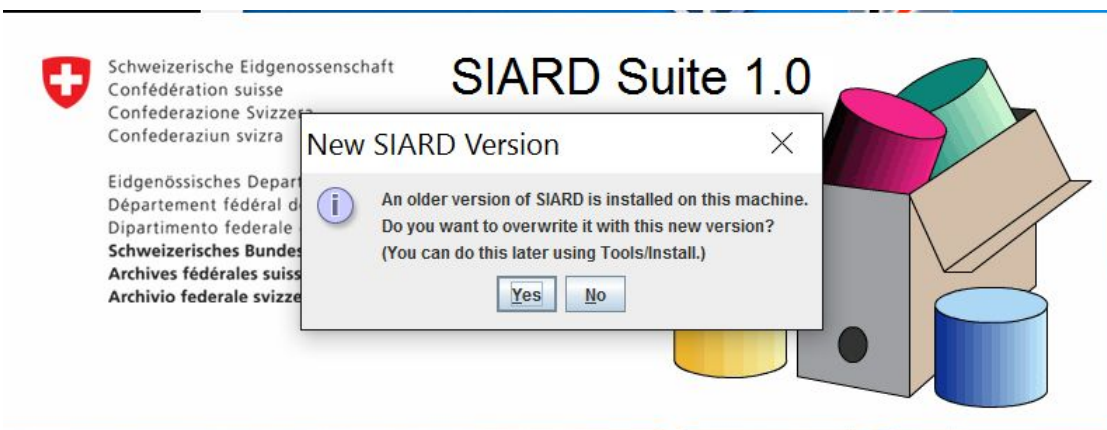
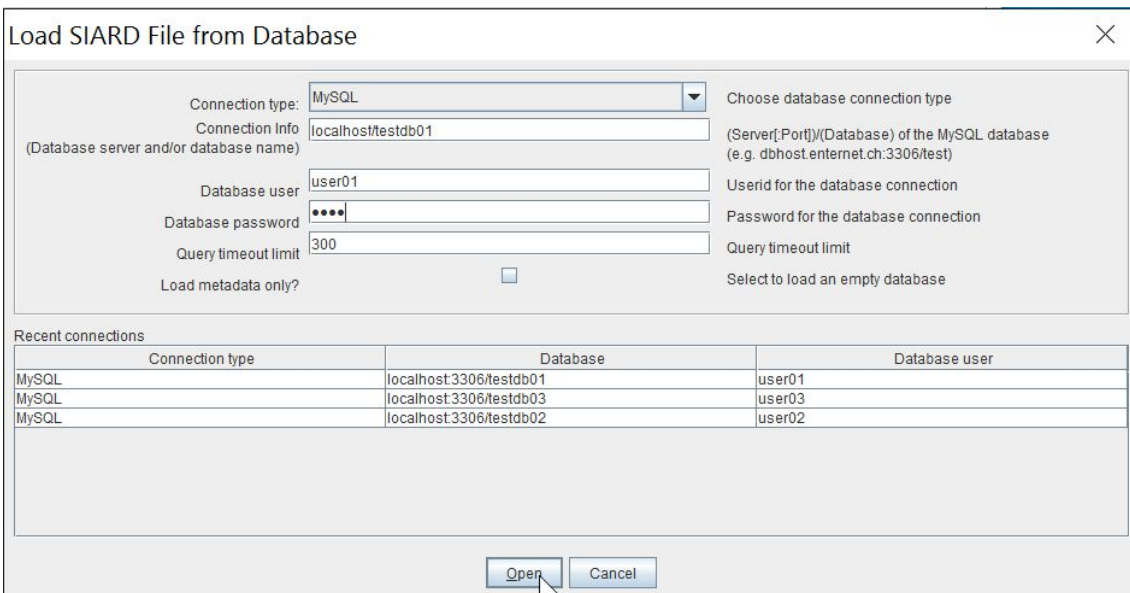
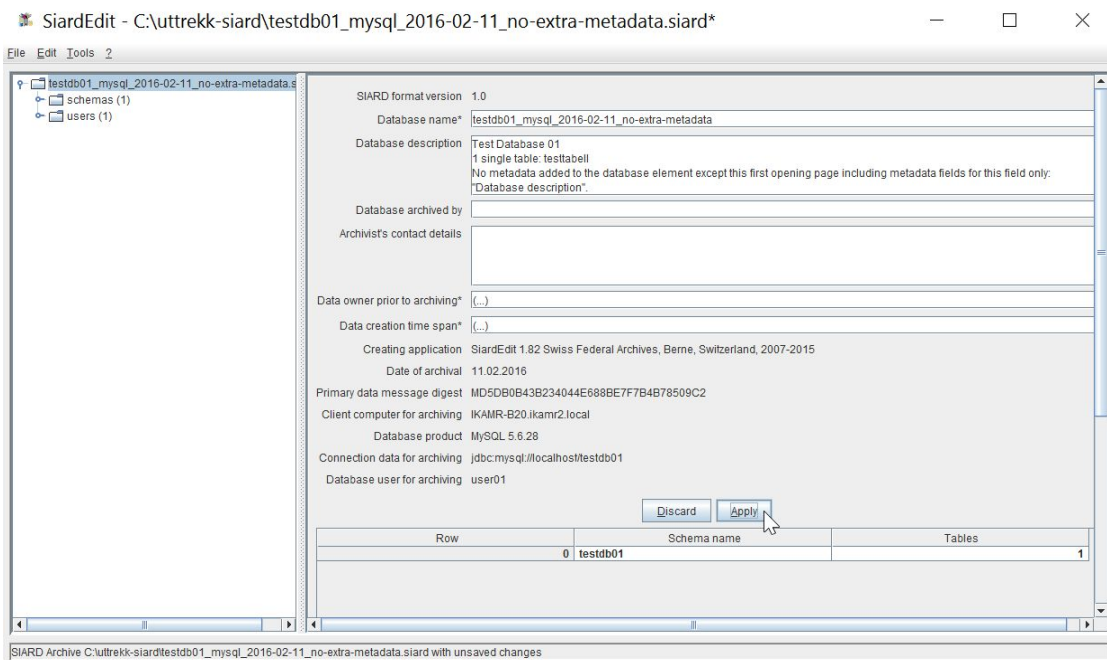
SIARD Archive C:\uttrekk-siard\testdb02_mysql_2016-02-11.siard with unsaved changes





SIARD file from database





→ > > ↑ > Lokal disk (C:) > elarkiv-database-demo-master > mysql > test01 > SIARD-1.0 > testdb01_mysql_2016-02-11 > content > schema0 > table0

test01	Navn	Endringsdato	Type	Størrelse
SIARD-1.0	table0.xml	11.02.2016 19.36	XML-dokument	1 kB
testdb01_mysql_2016-02-11	table0.xsd	11.02.2016 19.36	XML Schema	1 kB
content				
schema0				
table0				
header				

→ > > ↑ > Denne PCen > Lokal disk (C:) > elarkiv-database-demo-master > mysql > test01 > SIARD-1.0 > testdb01_mysql_2016-02-11 > header

test01	Navn	Endringsdato	Type	Størrelse
SIARD-1.0	metadata.xml	11.02.2016 20.08	XML-dokument	4 kB
testdb01_mysql_2016-02-11	metadata.xsd	11.02.2016 19.36	XML Schema	25 kB
content	metadata.xsl	11.02.2016 19.36	XSLT Stylesheet	60 kB
schema0				
table0				
header				

SecureZIP	>	Open
Scan with Panda Endpoint Protection		Extract...
Gjenopprett tidligere versjoner		Extract Here
PowerISO	>	Extract To: "testdb01_mysql_2016-02-11"
	<	Test

SecureZIP	>	Open
Scan with Panda Endpoint Protection		Extract...
Gjenopprett tidligere versjoner		Extract Here
PowerISO	>	Extract To: "testdb01_mysql_2016-02-11"

Lokal disk (C:) > elarkiv-database-demo-master > mysql > test01 > SIARD-1.0

Navn	Endringsdato	Type	Størrelse
testdb01_mysql_2016-02-11.siard	11.02.2016 20.08	SIARD-fil	91 kB
testdb01_mysql_2016-02-11.xml	11.02.2016 20.20	XML-dokument	4 kB
testdb01_mysql_2016-02-11.siard	11.02.2016 20.08	SIARD-fil	91 kB
testdb01_mysql_2016-02-11.xml	11.02.2016 20.20	XML-dokument	4 kB

