**wjISQL 1.19.5**

**Data Transfer Test Plan**

**Change History**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SNO | Version | Date | By | Description |
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# Introduction

Tests of this test plan test data transfer functionality of wjISQL. Data from one or more tables of a (source) database can be transferred to corresponding tables in another (destination) database managed by the same or another RDBMS.

## Prerequisites for all Tests

|  |  |
| --- | --- |
| 1 | Installation test is successful. |
| 2 | Main screen is of wjISQL is currently shown in the browser. Otherwise, enter "<http://localhost:8080/wjisql>" in the browser address field. |

# MySQL Database Test Cases

## Prerequisites

|  |  |
| --- | --- |
| 1 | MySQL database **mysqldb** is readily available for user **mysqlusr** and password **mysql123**. The user has DBA privileges. |
| 2 | Database setup was done as mentioned in wpl.tpl.05.browse.docx |

## MySQL To MySQL Database Transfer Test Cases

### Successful Test Cases

Test Case 1/1: Create a destination database and user credentials.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Connect to MySQL without any database using user root and related password. |
| 2 | Click button SQL. |
| 3 | Create database mysqltmpdb as following:  CREATE DATABASE **mysqltmpdb CHARACTER SET=utf8**; |
| 4 | Create user and password as following:  CREATE USER '**mysqltmp'**@'%' IDENTIFIED BY '**mysqltmp123**'; |
| 5 | Grant permisions on the database to the user as following:  GRANT ALL ON mysqltmpdb.\* TO 'mysqltmp'@'%'; |
| 6 | Disconnect |
| 7 | Connect to mysqltmpdb with new user mysqltmp and related password. |
| 8 | Click button SQL. |
| 9 | Execute the following script to create tables without any data:  wjisql/wji\_tsrc/wji\_scripts/wji\_01\_basic\_mysql\_tables/**tst\_01\_002\_tables\_create\_uc.sql** |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Successful create of tables in mysqltmpdb: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.17.5(422) | 2017-10-11 | Success |  |

Post Test Actions:

|  |  |
| --- | --- |
| 1 | Click button **Disconnect** to disconnect from mysqltmpdb. |

Test Case 2/2: Test Transfer data of tables from database **mysqldb** to **mysqltmpdb**

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button **Transfer** on the main menu. |
| 2 | Connect to source database **mysqldb** with user **mysqlusr** and password **mysql123**. |
| 3 | Connect to destination database **mysqltmpdb** with user **mysqltmp** and password **mysqltmp123**. |
| 4 | Select four tables of source database as shown below: |
| 5 | Click button Transfer of source database window. |
| 6 | Confirm OK on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer and Status" tab of browser with successful data transfer as shown below: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Click on table "t1\_1\_..." in source and destination database table lists. |
| 2 | Click on button Data on right side source and destination table properties windows. |
| 3 | The resultant screen should indicate successfuly transfered number of rows and data as shown below (scroll windows if needed): |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.17.5(422) | 2017-10-11 | Success |  |

Test Case 3/3: Test Transfer data of a table that does not have all columns of source table but has extra columns in the destination database

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 2. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click on a table, say, t1\_1..., in destination table list. |
| 2 | Click button Data on the right bottom window to display the Result window that contains table data. |
| 3 | Enter the following statement in SQL Statement window to create a new table that does not have column **dno** of source table but has extra columns **edob** and **eexp**:  CREATE TABLE emp(eno INT NOT NULL PRIMARY KEY , ename VARCHAR(20), edob DATE, eexp INT DEFAULT 0) |
| 4 | Select table emp of source database for data transfer as shown below: |
| 5 | Click button **Transfer** of source database window. |
| 6 | Confirm OK on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer and Status" tab of browser with successful data transfer with warnings on non-existing and extra columns in the destination table as shown below: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Click on table "emp" in source and destination database table lists. |
| 2 | Click on button Data on right side source and destination table properties windows. |
| 3 | The resultant screen should indicate successful transfer of **6 rows** of table **emp** and **NULL** values for column **edob** and default value of **0** for column **eexp** as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.17.5(422) | 2017-10-11 | Success |  |

### Unsuccessful Test Cases

Test Case 1/4: Test failure of transfer of data of a table not defined in the destination database

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button **Transfer** on the main menu. |
| 2 | Connect to source database **mysqldb** with user **mysqlusr** and password **mysql123**. |
| 3 | Connect to destination database **mysqltmpdb** with user **mysqltmp** and password **mysqltmp123**. |
| 4 | Select table **dept** of source database as shown below: |
| 5 | Click button Transfer of source database window. |
| 6 | Confirm OK on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer and Status" tab of browser with with error message saying the table does not exist in the destination database. |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Close browser tab "Data Transfer Status". |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.17.5(422) | 2017-10-11 | Success |  |

Test Case 2/5: Test failure of transfer of data of a table due to constraints such as primary keys.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1 |

Test Procedure

|  |  |
| --- | --- |
| 1 | Select table **t1\_1\_std\_data\_types\_basic** of source database for which data was already transferred as shown below: |
| 2 | Click button Transfer of source database window. |
| 3 | Confirm OK on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer and Status" tab of browser with with error messages saying duplicate entries and number of transfered rows (Rows Wrote) is 0 as shown below: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Close browser tab "Data Transfer and Status". |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.17.5(422) | 2017-10-11 | Success |  |

### Post Test Test Cases

Test Case 1/6: Disconnect source and destination databases

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | wjISQL is in Data Transfer screen. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item **Disconnect source**. |
| 2 | Click menu item **Disconnect destination**. |
| 3 | Click button **Back**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Main screen of wjISQL. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.17.5(422) | 2017-10-11 | Success |  |

## MySQL To PostgreSQL Database Transfer Test Cases

### Successful Test Cases

Test Case 1/7: Setup PostgreSQL Database for data transfer.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Connect to PostgreSQL database **pgsqldb** with user if **pgsqlusr** and password **pgsql123**. |
| 2 | Execute the following scripts from test source directory **wjisql/wji\_tsrc/wji\_scripts/wji\_04\_basic\_pgsql\_tables** to create tables without any data:  tst\_04\_001\_tables\_drop\_uc.sql  tst\_04\_002\_tables\_create\_uc.sql  and ignore table dropping errors that may showup while executing the first script. |
| 3 | Disconnect |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Successful creatation of tables starting without any data in pgsqldb: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.17.5(422) | 2017-10-11 | Success |  |

Post Test Actions:

|  |  |
| --- | --- |
| 1 | Click button **Disconnect** to disconnect from pgsqldb. |

Test Case 2/8: Test Transfer of data of tables from database **mysqldb** to **pgsqldb**

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test case 1 |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button **Transfer** on the main menu. |
| 2 | Connect to source database **mysqldb** with user **mysqlusr** and password **mysql123**. |
| 3 | Connect to destination database **pgsqldb** with user **pgsqlusr** and password **pgsql123**. |
| 4 | Select four tables of source database as shown below: |
| 5 | Click button Transfer of source database window. |
| 6 | Confirm OK on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with successful data transfer as shown below but with errors/warnings due non-matching of columns: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Click on table "t1\_1\_..." in source and destination database table lists. |
| 2 | Click on button Data on right side source and destination table properties windows. |
| 3 | The resultant screen should indicate successfuly transfered number of rows and data as shown below (scroll windows if needed): |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.17.5(422) | 2017-10-11 | Success |  |

Test Case 3/9: Test Transfer data of a table that does not have all columns of source table but has extra columns in the destination database

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 2. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click on a table, say, t1\_1..., in destination table list. |
| 2 | Click button Data on the right bottom window to display the Result window that contains table data. |
| 3 | Enter the following statements in SQL Statement window to create a new table that does not have column **dno** of source table but has extra columns **edob** and **eexp**:  DROP TABLE public.emp;  CREATE TABLE emp(eno INT NOT NULL PRIMARY KEY , ename VARCHAR(20), edob DATE, eexp INT DEFAULT 0); |
| 4 | Select table emp of source database for data transfer as shown below: |
| 5 | Click button **Transfer** of source database window. |
| 6 | Confirm OK on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer and Status" tab of browser with successful data transfer with warnings on non-existing and extra columns in the destination table as shown below: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Click on table "emp" in source and destination database table lists. |
| 2 | Click on button Data on right side source and destination table properties windows. |
| 3 | The resultant screen should indicate successful transfer of **6 rows** of table **emp** and **NULL** values for column **edob** and default value of **0** for column **eexp** as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.17.5(422) | 2017-10-11 | Success |  |

### Unsuccessful Test Cases

Test Case 1/10: Test failure of transfer of data of a table not defined in the destination database

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Select a table from the destination database and drop table dept if it exists. |
| 2 | Select table **dept** of source database. |
| 3 | Click button Transfer of source database window. |
| 4 | Confirm OK on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer and Status" tab of browser with with error message saying the table does not exist in the destination database. |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Close browser tab "Data Transfer Status". |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.17.5(422) | 2017-10-11 | Success |  |

Test Case 2/11: Test failure of transfer of data of a table due to constraints such as primary keys.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1 |

Test Procedure

|  |  |
| --- | --- |
| 1 | Select table **t1\_1\_std\_data\_types\_basic** of source database for which data was already transferred as shown below: |
| 2 | Click button Transfer of source database window. |
| 3 | Confirm OK on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer and Status" tab of browser with with error messages saying duplicate entries and number of transfered rows (Rows Wrote) is 0 as shown below: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Close browser tab "Data Transfer Status". |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.17.5(422) | 2017-10-11 | Success |  |

### Post Test Test Cases

Test Case 1/12: Disconnect source and destination databases

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | wjISQL is in Data Transfer screen. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item **Disconnect source**. |
| 2 | Click menu item **Disconnect destination**. |
| 3 | Click button **Back**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Main screen of wjISQL. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.17.5(422) | 2017-10-11 | Success |  |

## MySQL To SQLite Database Transfer Test Cases

### Successful Test Cases

Test Case 1/13: Setup SQLite Database for data transfer.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Connect to SQLite database **/tmp/sqlitedb**. |
| 2 | Drop all tables that exist already. |
| 3 | Execute the following scripts from test source directory **wjisql/wji\_tsrc/wji\_scripts/wji\_13\_basic\_sqlite\_tables** to create tables without any data:  tst\_13\_001\_tables\_drop\_uc.sql  tst\_13\_002\_tables\_create\_uc.sql  and ignore table dropping errors that may showup while executing the first script. |
| 4 | Disconnect |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Successful creatation of tables starting with t without any data in sqlitedb: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.17.5(422) | 2017-10-12 | Success |  |

Post Test Actions:

|  |  |
| --- | --- |
| 1 | Click button **Disconnect** to disconnect from sqlitedb. |

Test Case 2/14: Test Transfer of data of tables from database **mysqldb** to **sqlitedb**.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test case 1 |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button **Transfer** on the main menu. |
| 2 | Connect to source database **mysqldb** with user **mysqlusr** and password **mysql123**. |
| 3 | Connect to destination database **/tmp/sqlitedb.** |
| 4 | Select four tables of source database as shown below: |
| 5 | Click button Transfer of source database window. |
| 6 | Confirm OK on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with successful data transfer as shown below but with errors/warnings due to non-matching of columns: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Click on table "t2\_1\_..." in source and destination database table lists. |
| 2 | Click on button Data on right side source and destination table properties windows. |
| 3 | The resultant screen should indicate successfuly transfered number of rows and data as shown below (scroll windows if needed): |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.17.5(422) | 2017-10-13 | Success |  |

Test Case 3/15: Test Transfer data of a table that does not have all columns of source table but has extra columns in the destination database

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 2. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click on a table, say, t1\_1..., in destination table list. |
| 2 | Click button **Data** on the right bottom window to display the Result window that contains table data. |
| 3 | Enter the following statement in SQL Statement window to create a new table that does not have column **dno** of source table but has extra columns **edob** and **eexp**:  CREATE TABLE emp(eno INT NOT NULL PRIMARY KEY , ename VARCHAR(20), edob DATE, eexp INT DEFAULT 0); |
| 4 | Select table emp of source database for data transfer as shown below: |
| 5 | Click button **Transfer** of source database window. |
| 6 | Confirm OK on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with successful data transfer with warnings on non-existing and extra columns in the destination table as shown below: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Click on table "emp" in source and destination database table lists. |
| 2 | Click on button Data on right side source and destination table properties windows. |
| 3 | The resultant screen should indicate successful transfer of **6 rows** of table **emp** and **NULL** values for column **edob** and default value of **0** for column **eexp** as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.17.5(422) | 2017-10-13 | Success |  |

### Unsuccessful Test Cases

Test Case 1/16: Test failure of transfer of data of a table not defined in the destination database

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Select table **dept** of source database as shown below: |
| 2 | Click button Transfer of source database window. |
| 3 | Confirm OK on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with with error message saying the table does not exist in the destination database. |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Close browser tab "Data Transfer Status". |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.17.5(422) | 2017-10-13 | Success |  |

Test Case 2/17: Test failure of transfer of data of a table due to constraints such as primary keys.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1 |

Test Procedure

|  |  |
| --- | --- |
| 1 | Select table **t1\_1\_std\_data\_types\_basic** of source database for which data was already transferred as shown below: |
| 2 | Click button **Transfer** of source database window. |
| 3 | Confirm **OK** on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer and Status" tab of browser with with error messages saying unique constraint violation and number of transfered rows (Rows Wrote) is 0 as shown below: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Close browser tab "Data Transfer and Status". |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.17.5(422) | 2017-10-13 | Success |  |

### Post Test Test Cases

Test Case 1/18: Disconnect source and destination databases

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | wjISQL is in Data Transfer screen. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item **Disconnect source**. |
| 2 | Click menu item **Disconnect destination**. |
| 3 | Click button **Back**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Main screen of wjISQL. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.17.5(422) | 2017-10-13 | Success |  |

## MySQL To MariaDB Database Transfer Test Cases

### Successful Test Cases

Test Case 1/19: Setup MariaDB Database for data transfer.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Connect to MariaDB database **mariadb.** |
| 2 | Drop all tables that exist already. |
| 3 | Execute the following scripts from test source directory **wjisql/wji\_tsrc/wji\_scripts/wji\_18\_basic\_mariadb\_tables** to create tables without any data:  tst\_19\_001\_tables\_drop\_uc.sql  tst\_19\_002\_tables\_create\_uc.sql  and ignore table dropping errors that may showup while executing the first script. |
| 4 | Disconnect |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Successful creatation of tables starting with t without any data in sqlitedb: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.17.5(422) | 2017-10-13 | Success |  |

Post Test Actions:

|  |  |
| --- | --- |
| 1 | Click button **Disconnect** to disconnect from sqlitedb. |

Test Case 2/20: Test Transfer of data of tables from database **mysqldb** to **sqlitedb**.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test case 1 |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button **Transfer** on the main menu. |
| 2 | Connect to source database **mysqldb** with user **mysqlusr** and password **mysql123**. |
| 3 | Connect to destination database **/tmp/sqlitedb.** |
| 4 | Select four tables of source database as shown below: |
| 5 | Click button Transfer of source database window. |
| 6 | Confirm OK on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with successful data transfer as shown below but with errors/warnings due to non-matching of columns: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Click on table "t2\_1\_..." in source and destination database table lists. |
| 2 | Click on button Data on right side source and destination table properties windows. |
| 3 | The resultant screen should indicate successfuly transfered number of rows and data as shown below (scroll windows if needed): |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.17.5(422) | 2017-10-13 | Success |  |

Test Case 3/21: Test Transfer data of a table that does not have all columns of source table but has extra columns in the destination database

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 2. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click on a table, say, t1\_1..., in destination table list. |
| 2 | Click button **Data** on the right bottom window to display the Result window that contains table data. |
| 3 | Drop table **emp** if already exists.  Enter the following statement in SQL Statement window to create a new table that does not have column **dno** of source table but has extra columns **edob** and **eexp**:  CREATE TABLE emp(eno INT NOT NULL PRIMARY KEY , ename VARCHAR(20), edob DATE, eexp INT DEFAULT 0); |
| 4 | Select table emp of source database for data transfer as shown below: |
| 5 | Click button **Transfer** of source database window. |
| 6 | Confirm OK on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with successful data transfer with warnings on non-existing and extra columns in the destination table as shown below: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Click on table "emp" in source and destination database table lists. |
| 2 | Click on button Data on right side source and destination table properties windows. |
| 3 | The resultant screen should indicate successful transfer of **6 rows** of table **emp** and **NULL** values for column **edob** and default value of **0** for column **eexp** as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.17.5(422) | 2017-10-13 | Success |  |

### Unsuccessful Test Cases

Test Case 1/22: Test failure of transfer of data of a table not defined in the destination database

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Table **dept** does not exist in the destination database. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Select table **dept** of source database as shown below: |
| 2 | Click button Transfer of source database window. |
| 3 | Confirm OK on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with with error message saying the table does not exist in the destination database. |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Close browser tab "Data Transfer Status". |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.17.5(422) | 2017-10-13 | Success |  |

Test Case 2/23: Test failure of transfer of data of a table due to constraints such as primary keys.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1 |

Test Procedure

|  |  |
| --- | --- |
| 1 | Select table **t1\_1\_std\_data\_types\_basic** of source database for which data was already transferred as shown below: |
| 2 | Click button **Transfer** of source database window. |
| 3 | Confirm **OK** on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer and Status" tab of browser with with error messages saying unique constraint violation and number of transfered rows (Rows Wrote) is 0 as shown below: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Close browser tab "Data Transfer and Status". |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.17.5(422) | 2017-10-13 | Success |  |

### Post Test Test Cases

Test Case 1/24: Disconnect source and destination databases

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | wjISQL is in Data Transfer screen. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item **Disconnect source**. |
| 2 | Click menu item **Disconnect destination**. |
| 3 | Click button **Back**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Main screen of wjISQL. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.17.5(422) | 2017-10-13 | Success |  |

# PostgreSQL Database Test Cases

## PostgreSQL To MySQL Database Transfer Test Cases

### Pre Test Test Cases

Test Case 1/25: Setup PostgreSQL source database for data transfer.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Connect to PostgreSQL database **pgsqldb**. |
| 2 | Drop all tables that exist already. |
| 3 | Execute the following scripts from test source directory **wjisql/wji\_tsrc/wji\_scripts/wji\_04\_basic\_pgsql\_tables** to create tables with data:  **tst\_04\_001\_tables\_drop\_uc.sql**  **tst\_04\_002\_tables\_create\_uc.sql**  **tst\_04\_003\_tables\_insert\_uc.sql** |
| 4 | Execute the following script from test source directory **wjisql/wji\_tsrc/wji\_scripts/wji\_16\_sql\_scripts** to create tables without any data:  tst\_16\_002\_sql\_script\_deptemp.sql  and ignore table dropping errors that may showup while executing the script. |
| 5 | Disconnect |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Successful creation of tables t1\* to t4\* with data in pgsqldb: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **Chrome** | 1.19.5(433) | 2017-10-22 | Success |  |

Post Test Actions:

|  |  |
| --- | --- |
| 1 | Click button **Disconnect** to disconnect from pgsqldb. |

Test Case 2/26: Setup MySQL destination database with empty tables to received data.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Connect to MySQL database **mysqldb** using user id **mysqlusr** and password **mysql123.** |
| 2 | Execute the following scripts from test source directory **wjisql/wji\_tsrc/wji\_scripts/wji\_01\_basic\_mysql\_tables** to create tables without any data:  **tst\_01\_001\_tables\_drop\_uc.sql**  **tst\_01\_002\_tables\_create\_uc.sql** |
| 3 | Disconnect |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Successful creation of tables t1\* to t4\* without data in mysqldb: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **Chrome** | 1.19.5(433) | 2017-10-22 | Success |  |

Post Test Actions:

|  |  |
| --- | --- |
| 1 | Click button **Disconnect** to disconnect from mysqldb. |

### Successful Test Cases

Test Case 1/27: Test Transfer of data of tables from database **pgsqldb** to **mysqldb**.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | 3.1.1 Test Cases. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button **Transfer** on the main menu. |
| 2 | Connect to source database **pgsqldb** with user **pgsqlusr** and password **pgsql123**. |
| 3 | Connect to destination database **mysqldb** with user **mysqlusr** and password **mysql123.** |
| 4 | Select four tables of source database as shown below: |
| 5 | Click button **Transfer** of source database window. |
| 6 | Confirm **OK** on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with successful data transfer (see number of rows transferred) as shown below but with errors/warnings due to non-matching of columns: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Click on table "t2\_1\_..." in source and destination database table lists. |
| 2 | Click on button **Data** on right side source and destination table properties windows. |
| 3 | The resultant screen should indicate successfully transfered number of rows and data as shown below (scroll windows if needed): |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **Chrome** | 1.19.5(433) | 2017-10-22 | Success |  |

Test Case 2/28: Test Transfer data of a table that does not have all columns of source table but has extra columns in the destination database

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click on a table, say, t1\_1..., in destination table list. |
| 2 | Click button **Data** on the right bottom window to display the Result window that contains table data. |
| 3 | Execute each of the following statements in SQL Statement window to create a new table that does not have column **dno** of source table but has extra columns **edob** and **eexp**:  DROP TABLE emp;  CREATE TABLE emp(eno INT NOT NULL PRIMARY KEY , ename VARCHAR(20), edob DATE, eexp INT DEFAULT 0); |
| 4 | Select table emp of source database for data transfer as shown below: |
| 5 | Click button **Transfer** of source database window. |
| 6 | Confirm **OK** on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with successful data transfer with warnings on non-existing and extra columns in the destination table as shown below: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Click on table "emp" in source and destination database table lists. |
| 2 | Click on button Data on right side source and destination table properties windows. |
| 3 | The resultant screen should indicate successful transfer of **6 rows** of table **emp** and **NULL** values for column **edob** and default value of **0** for column **eexp** as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **Chrome** | 1.19.5(433) | 2017-10-22 | Success |  |

### Unsuccessful Test Cases

Test Case 1/29: Test failure of transfer of data of a table not defined in the destination database

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Select table **dept** of source database as shown below: |
| 2 | Click button **Transfer** of source database window. |
| 3 | Confirm **OK** on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with with error message saying the table does not exist in the destination database. |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Close browser tab "Data Transfer Status". |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **Chrome** | 1.19.5(433) | 2017-10-22 | Success |  |

Test Case 2/30: Test failure of transfer of data of a table due to constraints such as primary keys.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Select table **t1\_1\_std\_data\_types\_basic** of source database for which data was already transferred as shown below: |
| 2 | Click button **Transfer** of source database window. |
| 3 | Confirm **OK** on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with with error messages saying there is a constraint violation error and number of transfered rows (Rows Wrote) is 0 as shown below: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Close browser tab "Data Transfer and Status". |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **Chrome** | 1.19.5(433) | 2017-10-22 | Success |  |

### Post Test Test Cases

Test Case 1/31: Disconnect source and destination databases

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | wjISQL is in Data Transfer screen. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item **Disconnect source**. |
| 2 | Click menu item **Disconnect destination**. |
| 3 | Click button **Back**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Main screen of wjISQL. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **Chrome** | 1.19.5(433) | 2017-10-22 | Success |  |

# Oracle Database Test Cases

## Oracle To MSSQL Database Transfer Test Cases

### Pre Test Test Cases

Test Case 1/32: Setup Oracle source database for data transfer.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Connect to Oracle database **oradb**. |
| 2 | Drop all tables that exist already. |
| 3 | Execute the following scripts from test source directory **wjisql/wji\_tsrc/wji\_scripts/wji\_07\_basic\_oracle\_tables** to create tables with data:  **tst\_07\_001\_tables\_drop\_uc.sql**  **tst\_07\_002\_tables\_create\_uc.sql**  **tst\_07\_003\_tables\_insert\_uc.sql** |
| 4 | Execute the following script from test source directory **wjisql/wji\_tsrc/wji\_scripts/wji\_16\_sql\_scripts** to create tables with data:  **tst\_16\_002\_sql\_script\_deptemp.sql**  and ignore table dropping errors that may showup while executing the script. |
| 5 | Disconnect |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Successful creation of tables with data in oradb: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  **IE 11.0** | 1.19.5(439) | 2017-10-27 | Success |  |

Post Test Actions:

|  |  |
| --- | --- |
| 1 | Click button **Disconnect** to disconnect from oracledb. |

Test Case 2/33: Setup MS SQL destination database with empty tables to received data.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Connect to MS SQL database **mssqldb** using user id **mssqlusr** and password **mssql123.** |
| 2 | Execute the following scripts from test source directory **wjisql/wji\_tsrc/wji\_scripts/wji\_10\_basic\_mssql\_tables** to create tables without any data:  **tst\_10\_002\_tables\_drop\_uc.sql**  **tst\_10\_002\_tables\_create\_uc.sql** |
| 3 | Disconnect |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Successful creation of tables without data in mssqldb: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  **IE 11.0** | 1.19.5(439) | 2017-10-27 | Success |  |

Post Test Actions:

|  |  |
| --- | --- |
| 1 | Click button **Disconnect** to disconnect from mssqldb. |

### Successful Test Cases

Test Case 1/34: Test Transfer of data of tables from database **oradb** to **mssqldb**.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | 4.1.1 Test Cases. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button **Transfer** on the main menu. |
| 2 | Connect to source database **oradb** with user **orausr** and password **ora123**. |
| 3 | Connect to destination database **mssqldb** with user **mssqlusr** and password **mssql123.** |
| 4 | Select four tables of source database as shown below: |
| 5 | Click button **Transfer** of source database window. |
| 6 | Confirm **OK** on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with successful data transfer (see number of rows transferred) as shown below but with errors/warnings due to non-matching of columns: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Click on table "t2\_1\_..." in source and destination database table lists. |
| 2 | Click on button **Data** on right side source and destination table properties windows. |
| 3 | The resultant screen should indicate successfully transfered number of rows and data as shown below (scroll windows if needed): |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  IE 11.0 | 1.19.5(439) | 2017-10-27 | Success |  |

Test Case 2/35: Test Transfer data of a table that does not have all columns of source table but has extra columns in the destination database

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click on a table, say, t1\_1..., in destination table list. |
| 2 | Click button **Data** on the right bottom window to display the Result window that contains table data. |
| 3 | Enter the following statement in SQL Statement window to create a new table that does not have column **dno** of source table but has extra columns **edob** and **eexp**:  CREATE TABLE emp(eno INT NOT NULL PRIMARY KEY , ename VARCHAR(20), edob DATE, eexp INT DEFAULT 0);  Drop the table if it already exists. |
| 4 | Select table emp of source database for data transfer as shown below: |
| 5 | Click button **Transfer** of source database window. |
| 6 | Confirm **OK** on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with successful data transfer with warnings on non-existing and extra columns in the destination table as shown below: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Click on table "emp" in source and destination database table lists. |
| 2 | Click on button Data on right side source and destination table properties windows. |
| 3 | The resultant screen should indicate successful transfer of **6 rows** of table **emp** and **NULL** values for column **edob** and default value of **0** for column **eexp** as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  IE 11.0 | 1.19.5(439) | 2017-10-27 | Success |  |

### Unsuccessful Test Cases

Test Case 1/36: Test failure of transfer of data of a table not defined in the destination database

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Select table **dept** of source database as shown below: |
| 2 | Click button **Transfer** of source database window. |
| 3 | Confirm **OK** on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with with error message saying the table does not exist in the destination database. |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Close browser tab "Data Transfer Status". |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  IE 11.0 | 1.19.5(439) | 2017-10-27 | Success |  |

Test Case 2/37: Test failure of transfer of data of a table due to constraints such as primary keys.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Select table **t1\_1\_std\_data\_types\_basic** of source database for which data was already transferred as shown below: |
| 2 | Click button **Transfer** of source database window. |
| 3 | Confirm **OK** on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with with error messages saying there is a constraint violation error and number of transfered rows (Rows Wrote) is 0 as shown below: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Close browser tab "Data Transfer Status". |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  IE 11.0 | 1.19.5(439) | 2017-10-27 | Success |  |

### Post Test Test Cases

Test Case 1/38: Disconnect source and destination databases

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | wjISQL is in Data Transfer screen. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item **Disconnect source**. |
| 2 | Click menu item **Disconnect destination**. |
| 3 | Click button **Back**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Main screen of wjISQL. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  IE 11.0 | 1.19.5(439) | 2017-10-27 | Success |  |

# MS SQL Database Test Cases

## MSSQL To Oracle Database Transfer Test Cases

### Pre Test Test Cases

Test Case 1/39: Setup MS SQL source database with tables and data to transfer.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Connect to MS SQL database **mssqldb** using user id **mssqlusr** and password **mssql123.** |
| 2 | Execute the following scripts from test source directory **wjisql/wji\_tsrc/wji\_scripts/wji\_10\_basic\_mssql\_tables** to create tables with data:  **tst\_10\_002\_tables\_drop\_uc.sql**  **tst\_10\_002\_tables\_create\_uc.sql**  **tst\_10\_002\_tables\_insert\_uc.sql** |
| 3 | Execute the following script from test source directory **wjisql/wji\_tsrc/wji\_scripts/wji\_16\_sql\_scripts** to create tables with data:  **tst\_16\_002\_sql\_script\_deptemp.sql** |
| 4 | Disconnect |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Successful creation of tables with data in mssqldb: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  Chrome 61.0 | 1.19.5(439) | 2017-10-27 | Success |  |

Post Test Actions:

|  |  |
| --- | --- |
| 1 | Click button **Disconnect** to disconnect from mssqldb. |

Test Case 2/40: Setup Oracle destination database for tables without data.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Connect to Oracle database **oradb**. |
| 2 | Drop all tables that exist already. |
| 3 | Execute the following scripts from test source directory **wjisql/wji\_tsrc/wji\_scripts/wji\_07\_basic\_oracle\_tables** to create tables with data:  **tst\_07\_002\_tables\_create\_uc.sql**  **tst\_07\_003\_tables\_insert\_uc.sql** |
| 4 | Disconnect |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Successful creation of tables without data in oradb: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  Chrome 61.0 | 1.19.5(439) | 2017-10-27 | Success |  |

Post Test Actions:

|  |  |
| --- | --- |
| 1 | Click button **Disconnect** to disconnect from oradb. |

### Successful Test Cases

Test Case 1/41: Test Transfer of data of tables from database **mssqldb** to **oradb**.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | 5.1.1 Test Cases. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button **Transfer** on the main menu. |
| 2 | Connect to source database **mssqldb** with user **mssqlusr** and password **mssql123**. |
| 3 | Connect to destination database **oradb** with user **orausr** and password **ora123.** |
| 4 | Select four tables of source database as shown below: |
| 5 | Click button **Transfer** of source database window. |
| 6 | Confirm **OK** on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with successful data transfer (see number of rows transferred) as shown below but with errors/warnings due to non-matching of columns: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Click on table "t2\_1\_..." in source and destination database table lists. |
| 2 | Click on button **Data** on right side source and destination table properties windows. |
| 3 | The resultant screen should indicate successfully transfered number of rows and data as shown below (scroll windows if needed):    Note:- NULL was inserted instead of empty string in oracle's multi-lingual table. Oracle treats empty strings as NULLs. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  Chrome 61.0 | 1.19.5(439) | 2017-10-27 | Success |  |

Test Case 2/42: Test Transfer data of a table that does not have all columns of source table but has extra columns in the destination database

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click on a table, say, t1\_1..., in destination table list. |
| 2 | Click button **Data** on the right bottom window to display the Result window that contains table data. |
| 3 | Enter the following statement in SQL Statement window to create a new table that does not have column **dno** of source table but has extra columns **edob** and **eexp**:  CREATE TABLE emp(eno INT NOT NULL PRIMARY KEY , ename VARCHAR(20), edob DATE, eexp INT DEFAULT 0); |
| 4 | Select table emp of source database for data transfer as shown below: |
| 5 | Click button **Transfer** of source database window. |
| 6 | Confirm **OK** on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with successful data transfer with warnings on non-existing and extra columns in the destination table as shown below:  <Test failed, no output.> |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Click on table "emp" in source and destination database table lists. |
| 2 | Click on button Data on right side source and destination table properties windows. |
| 3 | The resultant screen should indicate successful transfer of **6 rows** of table **emp** and **NULL** values for column **edob** and default value of **0** for column **eexp** as shown below:  <Test failed, no output.> |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  Chrome 61.0 | 1.19.5(439) | 2017-10-27 | FAILED | Bug filed:  W\_B\_20161231\_64 |

### Unsuccessful Test Cases

Test Case 1/43: Test failure of transfer of data of a table not defined in the destination database

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Select table **dept** of source database as shown below: |
| 2 | Click button **Transfer** of source database window. |
| 3 | Confirm **OK** on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with with error message saying the table does not exist in the destination database. |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Close browser tab "Data Transfer Status". |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  Chrome 61.0 | 1.19.5(439) | 2017-10-27 | Success |  |

Test Case 2/44: Test failure of transfer of data of a table due to constraints such as primary keys.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Select table **t1\_1\_std\_data\_types\_basic** of source database for which data was already transferred as shown below: |
| 2 | Click button **Transfer** of source database window. |
| 3 | Confirm **OK** on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with with error messages saying there is a constraint violation error and number of transfered rows (Rows Wrote) is 0 as shown below: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Close browser tab "Data Transfer Status". |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  Chrome 61.0 | 1.19.5(439) | 2017-10-27 | Success |  |

### Post Test Test Cases

Test Case 1/45: Disconnect source and destination databases

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | wjISQL is in Data Transfer screen. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item **Disconnect source**. |
| 2 | Click menu item **Disconnect destination**. |
| 3 | Click button **Back**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Main screen of wjISQL. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  Chrome 61.0 | 1.19.5(439) | 2017-10-27 | Success |  |

# SQLite Database Test Cases

## SQLite To MSSQL Database Transfer Test Cases

### Pre Test Test Cases

Test Case 1/46: Setup SQLite source database for data transfer.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Connect to Oracle database **C:/TEMP/sqlitedb**. |
| 2 | Drop all tables that exist already. |
| 3 | Execute the following scripts from test source directory **wjisql/wji\_tsrc/wji\_scripts/wji\_13\_basic\_sqlite\_tables** to create tables with data:  **tst\_13\_002\_tables\_drop\_uc.sql**  **tst\_13\_002\_tables\_create\_uc.sql**  **tst\_13\_003\_tables\_insert\_uc.sql** |
| 4 | Execute the following script from test source directory **wjisql/wji\_tsrc/wji\_scripts/wji\_16\_sql\_scripts** to create tables with data:  **tst\_16\_002\_sql\_script\_deptemp.sql** |
| 5 | Disconnect |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Successful creation of tables with data in sqlitedb: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  FireFox 56.0 | 1.19.5(439) | 2017-10-26 | Success |  |

Post Test Actions:

|  |  |
| --- | --- |
| 1 | Click button **Disconnect** to disconnect from sqlitedb. |

Test Case 2/47: Setup MS SQL destination database with empty tables to received data.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Connect to MS SQL database **mssqldb** using user id **mssqlusr** and password **mssql123.** |
| 2 | Execute the following scripts from test source directory **wjisql/wji\_tsrc/wji\_scripts/wji\_10\_basic\_mssql\_tables** to create tables without any data:  **tst\_10\_002\_tables\_drop\_uc.sql**  **tst\_10\_002\_tables\_create\_uc.sql** |
| 3 | Disconnect |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Successful creation of tables without data in mysqldb: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  FireFox 56.0 | 1.19.5(439) | 2017-10-26 | Success |  |

Post Test Actions:

|  |  |
| --- | --- |
| 1 | Click button **Disconnect** to disconnect from mssqldb. |

### Successful Test Cases

Test Case 1/48: Test Transfer of data of tables from database **sqlitedb** to **mssqldb**.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | 6.1.1 Test Cases. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button **Transfer** on the main menu. |
| 2 | Connect to source database **C:/TEMP/sqlitedb**. |
| 3 | Connect to destination database **mssqldb** with user **mssqlusr** and password **mssql123.** |
| 4 | Select four tables of source database as shown below: |
| 5 | Click button **Transfer** of source database window. |
| 6 | Confirm **OK** on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with successful data transfer (see number of rows transferred) as shown below but with errors/warnings due to non-matching of columns: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Click on table "t2\_1\_..." in source and destination database table lists. |
| 2 | Click on button **Data** on right side source and destination table properties windows. |
| 3 | The resultant screen should indicate successful transfer of number of rows and data as shown below (scroll windows if needed): |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  FireFox 56.0 | 1.19.5(439) | 2017-10-26 | Success |  |

Test Case 2/49: Test Transfer data of a table that does not have all columns of source table but has extra columns in the destination database

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click on a table, say, t1\_1..., in destination table list. |
| 2 | Click button **Data** on the right bottom window to display the Result window that contains table data. |
| 3 | Enter the following statement in SQL Statement window to create a new table that does not have column **dno** of source table but has extra columns **edob** and **eexp**:  CREATE TABLE emp(eno INT NOT NULL PRIMARY KEY , ename VARCHAR(20), edob DATE, eexp INT DEFAULT 0); |
| 4 | Select table emp of source database for data transfer as shown below: |
| 5 | Click button **Transfer** of source database window. |
| 6 | Confirm **OK** on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with successful data transfer with warnings on non-existing and extra columns in the destination table as shown below: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Click on table "emp" in source and destination database table lists. |
| 2 | Click on button Data on right side source and destination table properties windows. |
| 3 | The resultant screen should indicate successful transfer of **6 rows** of table **emp** and **NULL** values for column **edob** and default value of **0** for column **eexp** as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  FireFox 56.0 | 1.19.5(439) | 2017-10-26 | Success |  |

### Unsuccessful Test Cases

Test Case 1/50: Test failure of transfer of data of a table not defined in the destination database

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Select table **dept** of source database as shown below: |
| 2 | Click button **Transfer** of source database window. |
| 3 | Confirm **OK** on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with with error message saying the table does not exist in the destination database. |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Close browser tab "Data Transfer Status". |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  FireFox 56.0 | 1.19.5(439) | 2017-10-26 | Success |  |

Test Case 2/51: Test failure of transfer of data of a table due to constraints such as primary keys.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Select table **t1\_1\_std\_data\_types\_basic** of source database for which data was already transferred as shown below: |
| 2 | Click button **Transfer** of source database window. |
| 3 | Confirm **OK** on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with with error messages saying there is a constraint violation error and number of transfered rows (Rows Wrote) is 0 as shown below: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Close browser tab "Data Transfer Status". |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  FireFox 56.0 | 1.19.5(439) | 2017-10-26 | Success |  |

### Post Test Test Cases

Test Case 1/52: Disconnect source and destination databases

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | wjISQL is in Data Transfer screen. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item **Disconnect source**. |
| 2 | Click menu item **Disconnect destination**. |
| 3 | Click button **Back**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Main screen of wjISQL. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  FireFox 56.0 | 1.19.5(439) | 2017-10-26 | Success |  |

## SQLite To Oracle Database Transfer Test Cases

### Pre Test Test Cases

Test Case 1/53: Setup SQLite source database for data transfer.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Connect to Oracle database **C:/TEMP/sqlitedb**. |
| 2 | Drop all tables that exist already. |
| 3 | Execute the following scripts from test source directory **wjisql/wji\_tsrc/wji\_scripts/wji\_13\_basic\_sqlite\_tables** to create tables with data:  **tst\_13\_002\_tables\_create\_uc.sql**  **tst\_13\_003\_tables\_insert\_uc.sql** |
| 4 | Execute the following script from test source directory **wjisql/wji\_tsrc/wji\_scripts/wji\_16\_sql\_scripts** to create tables with any data:  **tst\_16\_002\_sql\_script\_deptemp.sql** |
| 5 | Disconnect |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Successful creation of tables with data in sqlitedb: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  **FireFox** | 1.13.17(376) | 2017-01-01 | Success |  |

Post Test Actions:

|  |  |
| --- | --- |
| 1 | Click button **Disconnect** to disconnect from sqlitedb. |

Test Case 2/54: Setup Oracle destination database with empty tables to received data.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Connect to MS SQL database **oradb** using user id **orausr** and password **ora123.** |
| 2 | Drop all tables that exist already. |
| 3 | Execute the following scripts from test source directory **wjisql/wji\_tsrc/wji\_scripts/wji\_07\_basic\_oracle\_tables** to create tables without any data:  **tst\_07\_002\_tables\_create\_uc.sql** |
| 4 | Disconnect |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Successful creation of tables without data in oradb: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  **FireFox** | 1.13.17(376) | 2017-01-01 | Success |  |

Post Test Actions:

|  |  |
| --- | --- |
| 1 | Click button **Disconnect** to disconnect from oradb. |

### Successful Test Cases

Test Case 1/55: Test Transfer of data of tables from database **sqlitedb** to **oradb**.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | 6.1.1 Test Cases. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button **Transfer** on the main menu. |
| 2 | Connect to source database **C:/TEMP/sqlitedb**. |
| 3 | Connect to destination database **oradb** with user **orausr** and password **ora123.** |
| 4 | Select four tables of source database as shown below: |
| 5 | Click button **Transfer** of source database window. |
| 6 | Confirm **OK** on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with successful data transfer (see number of rows transferred) as shown below but with errors/warnings due to non-matching of columns: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Click on table "t2\_1\_..." in source and destination database table lists. |
| 2 | Click on button **Data** on right side source and destination table properties windows. |
| 3 | The resultant screen should indicate successful transfer of number of rows and data as shown below (scroll windows if needed):    Note that NULLs were instead of empty strings in a row as expected for Oracle tables. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  **FireFox** | 1.13.17(376) | 2017-01-01 | Success |  |

Test Case 2/56: Test Transfer data of a table that does not have all columns of source table but has extra columns in the destination database

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click on a table, say, t1\_1..., in destination table list. |
| 2 | Click button **Data** on the right bottom window to display the Result window that contains table data. |
| 3 | Enter the following statement in SQL Statement window to create a new table that does not have column **dno** of source table but has extra columns **edob** and **eexp**:  CREATE TABLE emp(eno INT NOT NULL PRIMARY KEY , ename VARCHAR(20), edob DATE, eexp INT DEFAULT 0); |
| 4 | Select table emp of source database for data transfer as shown below: |
| 5 | Click button **Transfer** of source database window. |
| 6 | Confirm **OK** on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with successful data transfer with warnings on non-existing and extra columns in the destination table as shown below:  <test failed> with following o/p: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Click on table "emp" in source and destination database table lists. |
| 2 | Click on button Data on right side source and destination table properties windows. |
| 3 | The resultant screen should indicate successful transfer of **6 rows** of table **emp** and **NULL** values for column **edob** and default value of **0** for column **eexp** as shown below:  <test failed> |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  **FireFox** | 1.13.17(376) | 2017-01-01 | FAILED | Bug filed:  W\_B\_20161231\_64 |

### Unsuccessful Test Cases

Test Case 1/57: Test failure of transfer of data of a table not defined in the destination database

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Select table **dept** of source database as shown below: |
| 2 | Click button **Transfer** of source database window. |
| 3 | Confirm **OK** on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with with error message saying the table does not exist in the destination database. |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Close browser tab "Data Transfer Status". |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  **FireFox** | 1.13.17(376) | 2017-01-01 | Success |  |

Test Case 2/58: Test failure of transfer of data of a table due to constraints such as primary keys.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Select table **t1\_1\_std\_data\_types\_basic** of source database for which data was already transferred as shown below: |
| 2 | Click button **Transfer** of source database window. |
| 3 | Confirm **OK** on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with with error messages saying there is a constraint violation error and number of transfered rows (Rows Wrote) is 0 as shown below: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Close browser tab "Data Transfer Status". |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  **FireFox** | 1.13.17(376) | 2017-01-01 | Success |  |

### Post Test Test Cases

Test Case 1/59: Disconnect source and destination databases

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | wjISQL is in Data Transfer screen. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item **Disconnect source**. |
| 2 | Click menu item **Disconnect destination**. |
| 3 | Click button **Back**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Main screen of wjISQL. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  **FireFox** | 1.13.17(376) | 2017-01-01 | Success |  |

## SQLite To MySQL Database Transfer Test Cases

### Pre Test Test Cases

Test Case 1/60: Setup SQLite source database for data transfer.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Connect to Oracle database **/tmp/sqlitedb**. |
| 2 | Drop all tables that exist already. |
| 3 | Execute the following scripts from test source directory **wjisql/wji\_tsrc/wji\_scripts/wji\_13\_basic\_sqlite\_tables** to create tables with data:  **tst\_13\_001\_tables\_drop\_uc.sql**  **tst\_13\_002\_tables\_create\_uc.sql**  **tst\_13\_003\_tables\_insert\_uc.sql** |
| 4 | Execute the following script from test source directory **wjisql/wji\_tsrc/wji\_scripts/wji\_16\_sql\_scripts** to create tables with any data:  **tst\_16\_002\_sql\_script\_deptemp.sql** |
| 5 | Disconnect |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Successful creation of tables with data in sqlitedb: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubunitu 16.04 LTS  **Chrome** | 1.19.5(433) | 2017-10-22 | Success |  |

Post Test Actions:

|  |  |
| --- | --- |
| 1 | Click button **Disconnect** to disconnect from sqlitedb. |

Test Case 2/61: Setup MYSQL destination database with empty tables to receive data.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Connect to MySQL database **mysqldb** using user id **mysqlusr** and password **mysql123.** |
| 2 | Execute the following scripts from test source directory **wjisql/wji\_tsrc/wji\_scripts/wji\_01\_basic\_mysql\_tables** to create tables without any data:  **tst\_01\_001\_tables\_drop\_uc.sql**  **tst\_01\_002\_tables\_create\_uc.sql** |
| 3 | Disconnect |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Successful creation of tables without data in mysqldb: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubunitu 16.04 LTS  **Chrome** | 1.19.5(433) | 2017-10-22 | Success |  |

Post Test Actions:

|  |  |
| --- | --- |
| 1 | Click button **Disconnect** to disconnect from mysqldb. |

### Successful Test Cases

Test Case 1/62: Test Transfer of data of tables from database **sqlite** to **mysqldb**.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | 6.3.1 Test Cases. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button **Transfer** on the main menu. |
| 2 | Connect to source database **/tmp/sqlitedb**. |
| 3 | Connect to destination database **mysqldb** with user **mysqlusr** and password **mysql123.** |
| 4 | Select four tables of source database as shown below: |
| 5 | Click button **Transfer** of source database window. |
| 6 | Confirm **OK** on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with successful data transfer (see number of rows transferred) as shown below but with errors/warnings due to non-matching of columns: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Click on table "t2\_1\_..." in source and destination database table lists. |
| 2 | Click on button **Data** on right side source and destination table properties windows. |
| 3 | The resultant screen should indicate successful transfer of number of rows and data as shown below (scroll windows if needed): |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubunitu 16.04 LTS  **Chrome** | 1.19.5(433) | 2017-10-22 | Success |  |

Test Case 2/63: Test Transfer data of a table that does not have all columns of source table but has extra columns in the destination database

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click on a table, say, t1\_1..., in destination table list. |
| 2 | Click button **Data** on the right bottom window to display the Result window that contains table data. |
| 3 | Enter the following statement in SQL Statement window to create a new table that does not have column **dno** of source table but has extra columns **edob** and **eexp**:  CREATE TABLE emp(eno INT NOT NULL PRIMARY KEY , ename VARCHAR(20), edob DATE, eexp INT DEFAULT 0); |
| 4 | Select table emp of source database for data transfer as shown below: |
| 5 | Click button **Transfer** of source database window. |
| 6 | Confirm **OK** on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with successful data transfer with warnings on non-existing and extra columns in the destination table as shown below: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Click on table "emp" in source and destination database table lists. |
| 2 | Click on button Data on right side source and destination table properties windows. |
| 3 | The resultant screen should indicate successful transfer of **6 rows** of table **emp** and **NULL** values for column **edob** and default value of **0** for column **eexp** as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubunitu 16.04 LTS  **Chrome** | 1.19.5(433) | 2017-10-22 | Success |  |

### Unsuccessful Test Cases

Test Case 1/64: Test failure of transfer of data of a table not defined in the destination database

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Select table **dept** of source database as shown below: |
| 2 | Click button **Transfer** of source database window. |
| 3 | Confirm **OK** on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with with error message saying the table does not exist in the destination database. |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Close browser tab "Data Transfer Status". |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubunitu 16.04 LTS  **Chrome** | 1.19.5(433) | 2017-10-22 | Success |  |

Test Case 2/65: Test failure of transfer of data of a table due to constraints such as primary keys.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Select table **t1\_1\_std\_data\_types\_basic** of source database for which data was already transferred as shown below: |
| 2 | Click button **Transfer** of source database window. |
| 3 | Confirm **OK** on a transfer confirmation window. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A new "Data Transfer Status" tab of browser with with error messages saying there is a constraint violation error and number of transfered rows (Rows Wrote) is 0 as shown below: |

Post Test Actions

|  |  |
| --- | --- |
| 1 | Close browser tab "Data Transfer Status". |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubunitu 16.04 LTS  **Chrome** | 1.19.5(433) | 2017-10-22 | Success |  |

### Post Test Test Cases

Test Case 1/66: Disconnect source and destination databases

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | wjISQL is in Data Transfer screen. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item **Disconnect source**. |
| 2 | Click menu item **Disconnect destination**. |
| 3 | Click button **Back**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Main screen of wjISQL. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubunitu 16.04 LTS  **Chrome** | 1.19.5(433) | 2017-10-22 | Success |  |