Data Load of Informix Instance

We can follow below steps for loading the data in newly created instance:

Step1: Database Creation:

For creating the database from Console, firstly login into the instance where you want to create the database:

```
informix@adetrmdb1:/opt/informix> aa
. ./switch_rataktp1_vm.sh == rataktp1 PROD INSTANCE
. ./switch_rataktp2_vm.sh == rataktp2 PROD INSTANCE
. ./switch_rataktp4_vm.sh == rataktp4 PROD INSTANCE
. ./switch_ratcalp2_vm.sh == ratcalp2 PROD INSTANCE
. ./switch_prodtest_vm.sh == prodtest TEST INSTANCE
informix@adetrmdb1:/opt/informix> . ./switch_prodtest_vm.sh
informix@adetrmdb1:/opt/informix> ss
prodtest_vm
informix@adetrmdb1:/opt/informix>
```

Get into the screen of console access through **dbaccess**:

1. Select Database:
```
DBACCESS:  Query-language  Connection  Database  Table  Session  Exit
Select, Create, Info, Drop or Close a database.

------------------------------------------------ Press CTRL-W for Help --------
```
2. Click on Create:
```
DATABASE:  Select  Create  Info  Drop  cLose  Exit
Create a new database.

------------------------------------------------ Press CTRL-W for Help --------
```
3. Give the name of Database:
```
CREATE DATABASE >>1_db_name
Enter the name you want to assign to the new database, then press Return.

------------------------------------------------ Press CTRL-W for Help --------
```
4. Then select on dbspace & select the dbspace from the list:
```
SELECT DBSPACE >>
Select a DBspace with the Arrow Keys, or enter a name, then press Return.

----------------------- @prodtest_vm ----------- Press CTRL-W for Help --------

 datadbs1

 datadbs2

 logdbs

 rootdbs

 tempdbs
```
5. Click on "Exit" & select create-new-database:
```
EXIT:  Create-new-database  Discard-new-database
Create-new-database

----------------------- @prodtest_vm ----------- Press CTRL-W for Help --------
```

Step2: Create the Schema:

For creating the schema, we can copy the schema from the existed production environment:

1. Switch to production instance where the existed schema presented and run the following command:
```
informix@adetrmdb2:/opt/informix> . ./switch_rataktp1_vm.sh
informix@adetrmdb2:/opt/informix> ss
rataktp1_vm
informix@adetrmdb2:/opt/informix> dbschema -d tochgval -ss tochgval1.sql
```

2. We require to check & change the dbspace in the tochgval.sql file as per our need:
   For replacing the dbspace details, we can use below command:
   vi tochgval.sql
   :1,$s/datadbs2/datadbs1/g It will replace the datadbs2 to datadbs1 in tochgval.sql file.
3. We require to check the blobdbs also, if necessary & Move the files at specific location:
   create table "tramo".auftragblob
   (
   durchlaufid char(20) not null ,
   auftrag_ein byte in blobdbs,
   auftrag_aus byte in blobdbs
) extent size 20000 next size 99992 lock mode row;
   scp -p /opt/informix/tochgval1.sql informix@adetrmdb1:/opt/informix/
4. Run the tochgval.sql file in dbaccess:

```
informix@adetrmdb1:/opt/informix> aa
. ./switch_rataktp1_vm.sh == rataktp1 PROD INSTANCE
. ./switch_rataktp2_vm.sh == rataktp2 PROD INSTANCE
. ./switch_rataktp4_vm.sh == rataktp4 PROD INSTANCE
. ./switch_ratcalp2_vm.sh == ratcalp2 PROD INSTANCE
. ./switch_prodtest_vm.sh == prodtest TEST INSTANCE
informix@adetrmdb1:/opt/informix> . ./switch_prodtest_vm.sh
informix@adetrmdb1:/opt/informix> ss
prodtest_vm
informix@adetrmdb1:/opt/informix> dbaccess
```

   Note: We need to run as a sysmaster:

```
SELECT DATABASE >>
Select a database with the Arrow Keys, or enter a name, then press Return.

------------------------------------------------ Press CTRL-W for Help --------

 sysadmin@prodtest_vm

 sysmaster@prodtest_vm

 sysuser@prodtest_vm

 sysutils@prodtest_vm

 tochgval1@prodtest_vm

 tochgval2@prodtest_vm
```

   After selection Exit Query-Language Choose Select the SQL file Run:

```
SQL:  New  Run  Modify  Use-editor  Output  Choose  Save  Info  Drop  Exit
Choose a command file as the current SQL statements.

------------ sysmaster@prodtest_vm ------------- Press CTRL-W for Help --------
```

```
HELP:  Screen  Resume
Ends this Help session.

------------------------------------------------------------------------
The CHOOSE Screen displays a list of available SQL command files
        and prompts you to select the one you want as the current
        statement.  Highlight or type the name of the command file
        you want to work with and press RETURN.

        Use the Run, Modify, or Use-editor options on the
        SQL Menu to run or modify the statements in the file.
```

5. The Schema has successfully created:

Step3: Take the backup of necessary tables from production & import into database:

Below are the list of Important tables to take table level backup from production:

Before taking the backup, we need to check the availability of space in particular directory.

Table level backup commands:
unload to auftragblob.unl select * from auftragblob;
unload to auftragzeiten.unl select * from auftragzeiten;
unload to status.unl select * from status;
unload to csmblob.unl select * from csmblob;
unload to auftragextract.unl select * from auftragextract;

To Import the same commands in newly created instance, we can use below commands:

load from auftragblob.unl insert into auftragblob;
load from auftragzeiten.unl insert into auftragzeiten;
load from status.unl insert into status;
load from csmblob.unl insert into csmblob;
load from auftragextract.unl insert into auftragextract;

After this, our task of completion of data load is successful.