Informix User Management

In Formal Informix, we are having no internal user management and informix only working with UNIX accounts that means the user only able to connect to the Informix instance if this user has the unix account on the same instances are running & it was not the correct solution, so that IBM Informix or (HCL) has come with another solution.

We have the possibility that the kind of internal user management.

You can configure user directly no unix user required for that .

Step1: create /etc/informix
root user required

need a file in this dir allowed.surrogates (local user Eg: Tramo)

USERS:203
GROUPS:101

This is the user and group id for local user account to which other users shoud be mapped

This file allowed.surrogates should
chmod 644
ownerd by root:root

Step2: In configuration file onconfig

USERMAPPING BASIC

onmode -wf

BASIC: Users without operating system accounts can use the server but not as privileged users.

```
#################################################################
# USERMAPPING - Control access to the server for users without operating
#               system accounts.
#################################################################
# OFF   -   users without operating system accounts cannot use the server
# BASIC -   users without operating system accounts can use the server but
#           not as privileged users
# ADMIN -   users without operating system accounts can use the server as
#           privileged users
#################################################################

#USERMAPPING OFF
USERMAPPING                 BASIC

#################################################################
```

Step3: Read content of surrogate file in cache

onmode -cache surrogates

check online log post this

Step4: Create user in sysuser database

dbaccess sysuser

CREATE USER "c3opera" WITH PASSWORD "unix11" PROPERTIES UID 203 group(101)

select * from status (To Verify User Status)

Step5: Connect with this new user

Switch to instance where the user created:

onstat -u

Change password:
=============
dbaccess sysuser

alter user "c3opera" modify password "Stop99";
cd
. $Home/switch_rataktp1_vm.sh

GRANTS:

grant connect to "**c3opera**";

grant default role roll_name to "c3opera";

==

If we want to create the user under Database level, Below are the steps:

dbaccess db_name

db_name = subvent

dbaccess subvent

select tabname, tabid
    form systables
order by tabid;

select * from sysusers;

User: tramo also have DBA privilege

Tramo is Functional user

We are working with UNIX accounts -> If yes we need to configure those in config file. where the user mapping is must & should.

/opt/informix>mkdir databases
cd databases
mkdir subvent
cd subvent/

dbschema -d subvent -ss subvent.sql

dbschema -> It will give information about all databases & objects that were there.

select * from sysusers;
Usertype:

C->It has connect rights
D-> DBA

grant connect to tramo;

revoke all on test from "public";

grant dba to tramo;

We can give explicit privileges to the users on particular tables.

All functional users don't need the DBA privileges, but it exists in our server.

Because the functional users will do reading and changing the data from the data tables.

If all the users have DBA rights, then they able to update the statistics for any table.

Command:

update statistics for table test;

Error: 951 (Means the user is not known on the database server)

finderr 951 To find the description of an error

```
informix@adetrmdb2:/opt/informix> finderr 951
-951    User username is not known on the database server.

The database server that you tried to access does not accept either
your user ID, the login name that is specified for the desired server
host in your ~/.netrc file, or the user name that is specified in the
USER clause of a CONNECT statement. If you are explicitly specifying
your user name in the ~/.netrc file or in a CONNECT statement, check
that the name is correct. If you do not have a valid user ID on the
server computer, see your system administrator.
```

finderr 605