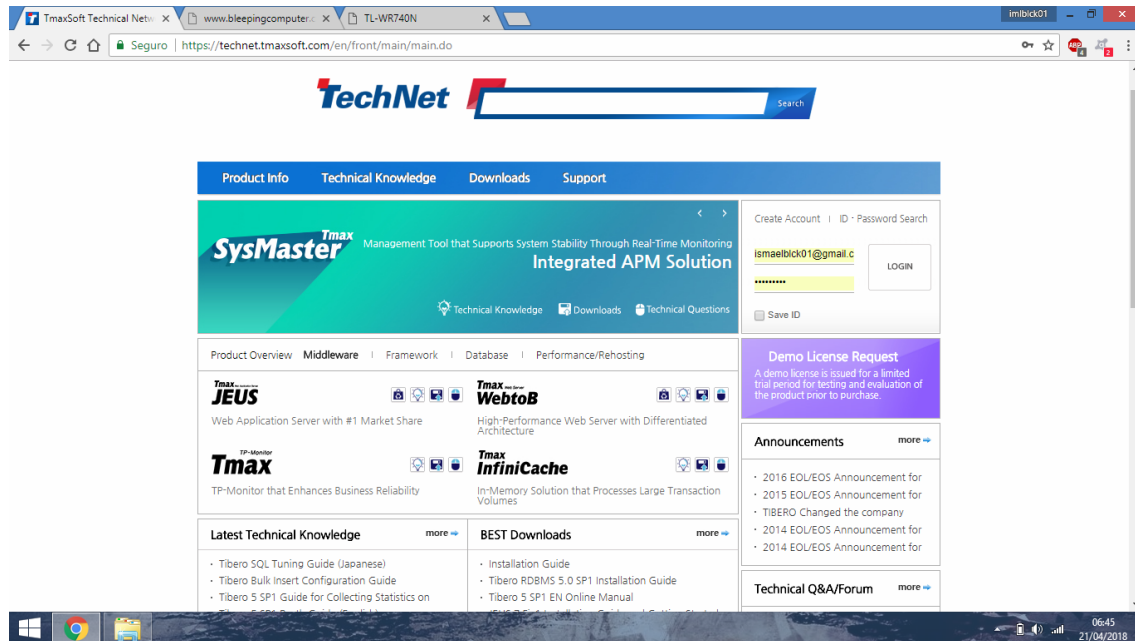
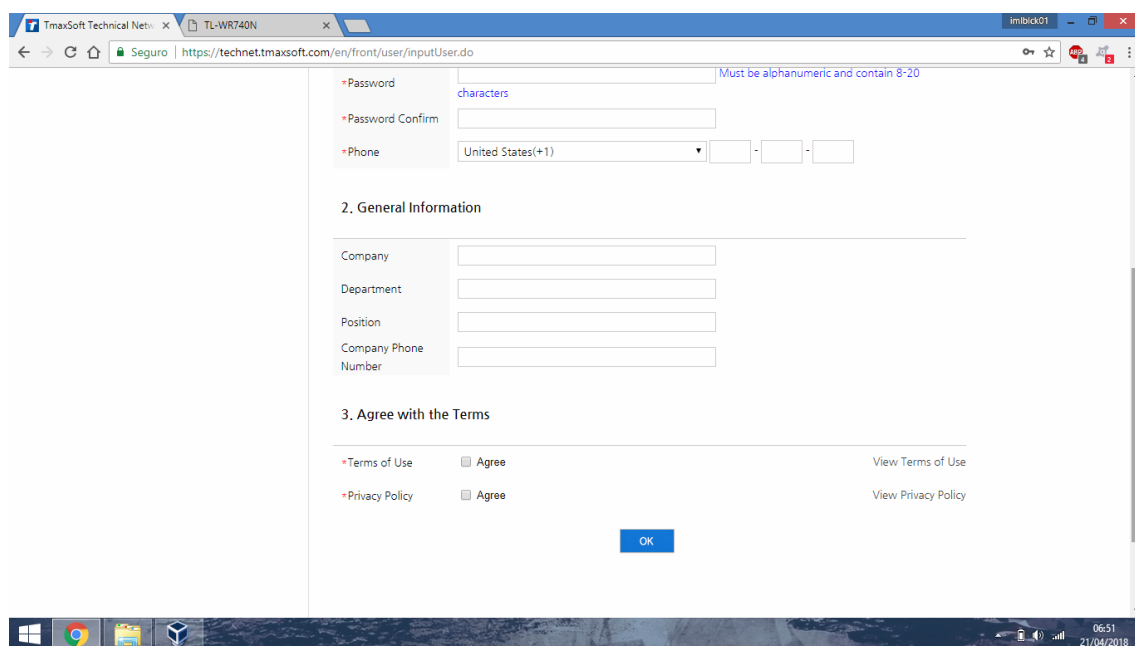


Conseguindo uma licença

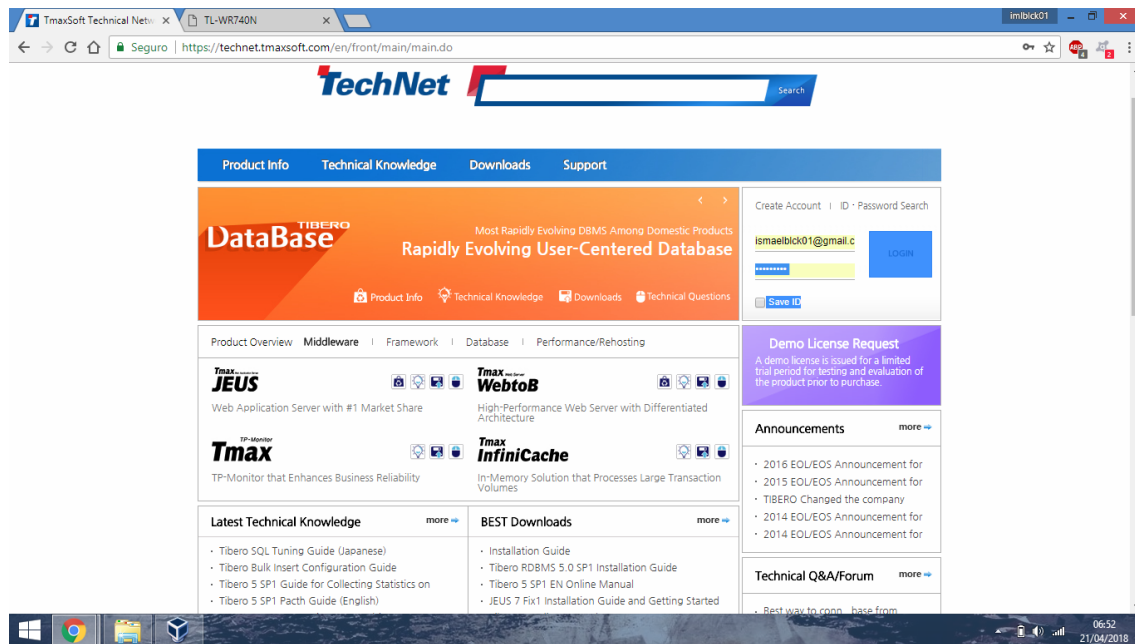
1º Entrar no site Tmax technet



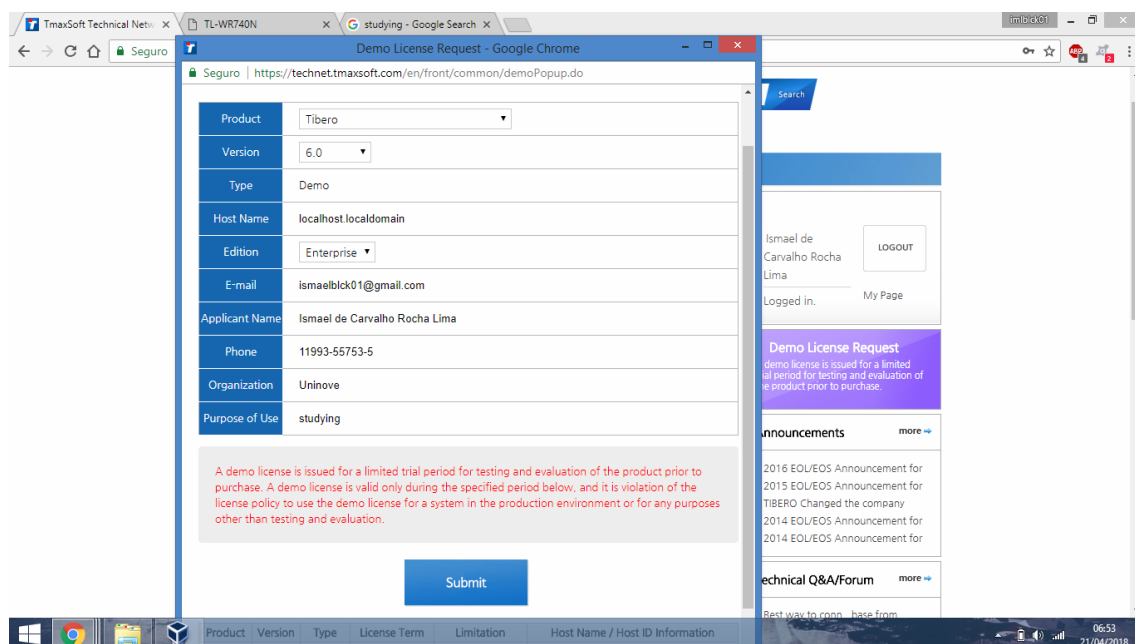
2º Clicar em Create Account para criar uma conta preenchendo todos os dados e logo após confirmando o cadastro no email



3º Fazer o login



4º Clicar em “Demo Licença Request” e preencher os campos



4.1 O Campo Hostname é importantíssimo para poder executar o Tiberio caso coloque o Errado ocasionará um erro ao tentar iniciar o Banco de Dados.

```
libcairo-swt.so      tiberio6
Music                tiberio6-bin-FS06-linux64-151366-opt-tested.tar.gz
NetBeansProjects     Tiberio_Studio
Pictures             Videos

[tibero@demo ~]$ pwd
/home/tibero
[tibero@demo ~]$ mv /home/tibero/Downloads/license.xml /home/tibero/tibero6/license/
[tibero@demo ~]$ vi ~/.bash_profile
[tibero@demo ~]$ pwd
/home/tibero
[tibero@demo ~]$ sh /home/tibero/tibero6/config/gen_tip.sh
Using TB_SID "tiberio"
/home/tibero/tibero6/config/tibero.tip generated
/home/tibero/tibero6/config/psm_commands generated
/home/tibero/tibero6/client/config/tbdsn.tbr generated.
Running client/config/gen_esql_cfg.sh
Done.
[tibero@demo ~]$ /home/tibero/tibero6/bin/tbboot nomount
*****
* ERROR: Mismatch host id!!
* (5) Check the license file - /home/tibero/tibero6/license/license.xml
*****
[tibero@demo ~]$
```

4.2 Para saber ao certo o Hostname do computador deve-se checar no terminal do Linux

```
NetBeansProjects     Tiberio_Studio
Pictures             Videos

[tibero@demo ~]$ pwd
/home/tibero
[tibero@demo ~]$ mv /home/tibero/Downloads/license.xml /home/tibero/tibero6/license/
[tibero@demo ~]$ vi ~/.bash_profile
[tibero@demo ~]$ pwd
/home/tibero
[tibero@demo ~]$ sh /home/tibero/tibero6/config/gen_tip.sh
Using TB_SID "tiberio"
/home/tibero/tibero6/config/tibero.tip generated
/home/tibero/tibero6/config/psm_commands generated
/home/tibero/tibero6/client/config/tbdsn.tbr generated.
Running client/config/gen_esql_cfg.sh
Done.
[tibero@demo ~]$ /home/tibero/tibero6/bin/tbboot nomount
*****
* ERROR: Mismatch host id!!
* (5) Check the license file - /home/tibero/tibero6/license/license.xml
*****
[tibero@demo ~]$ hostname
demo
[tibero@demo ~]$
```

4.3 Em Seguida solicitar uma licença com o hostname certo.

Demo License Request

Product	Tibero
Version	6.0
Type	Demo
Host Name	demo
Edition	Enterprise
E-mail	ismaelbck01@gmail.com
Applicant Name	Ismael de Carvalho Rocha Lima
Phone	11993-55753-5
Organization	Uninove
Purpose of Use	studying

Submit

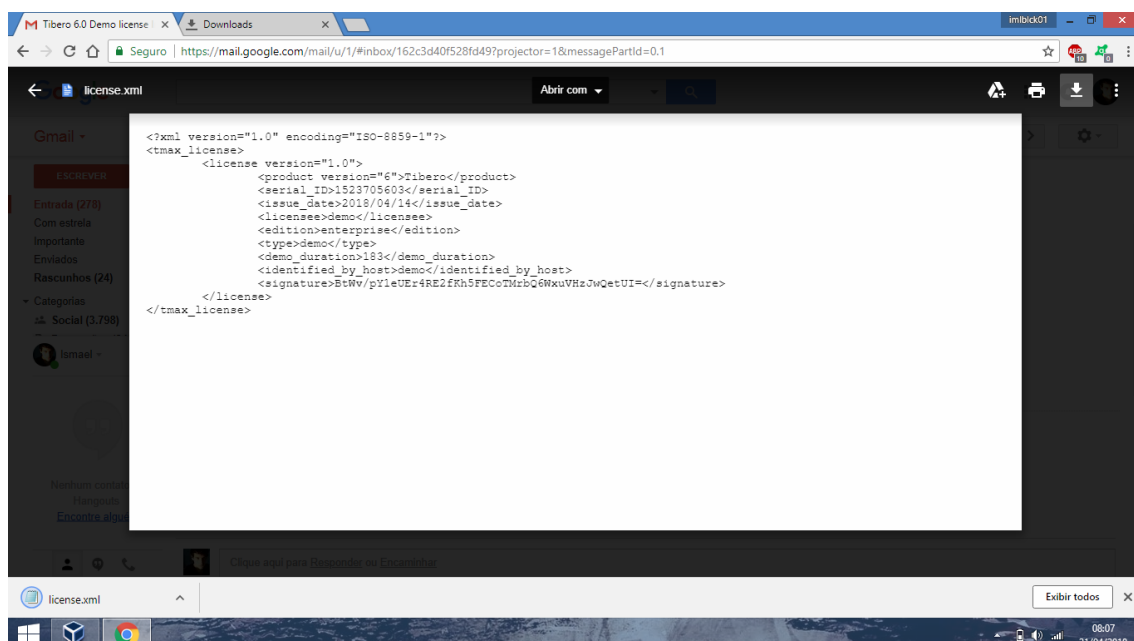
A demo license is issued for a limited trial period for testing and evaluation of the product prior to purchase. A demo license is valid only during the specified period below, and it is violation of the license policy to use the demo license for a system in the production environment or for any purposes other than testing and evaluation.

Ismael de Carvalho Rocha Lima
Logged in. My Page
LOGOUT

Demo License Request
demo license is issued for a limited trial period for testing and evaluation of the product prior to purchase.

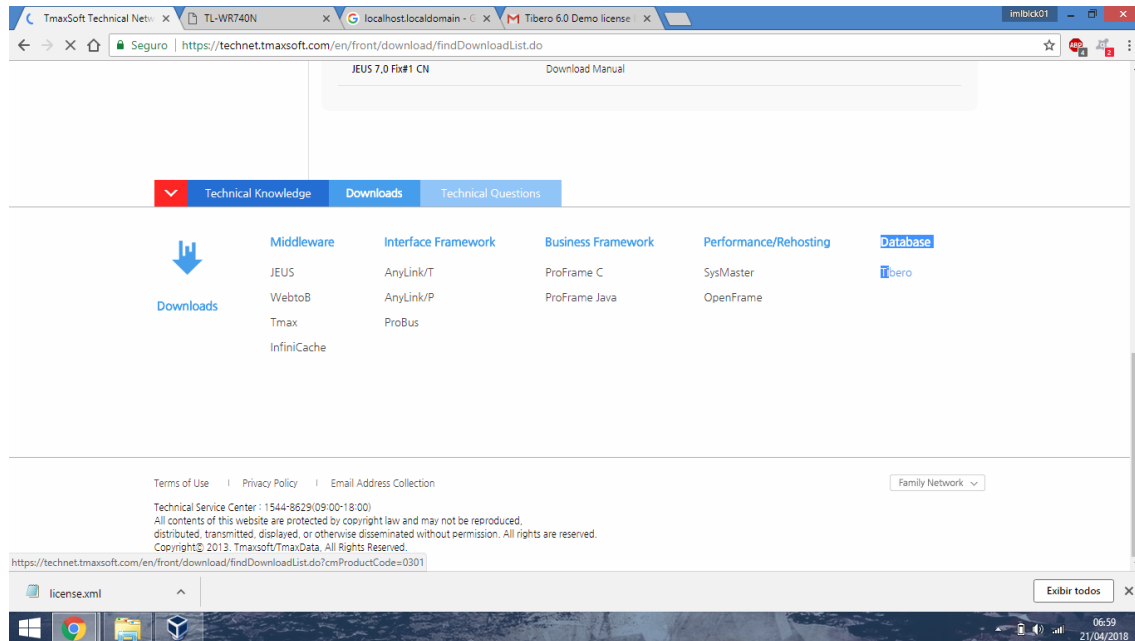
Announcements
more →
2016 EOL/EOS Announcement for
2015 EOL/EOS Announcement for
TIBERO Changed the company
2014 EOL/EOS Announcement for
2014 EOL/EOS Announcement for

5. Checar o email cadastrado e fazer o download da licença

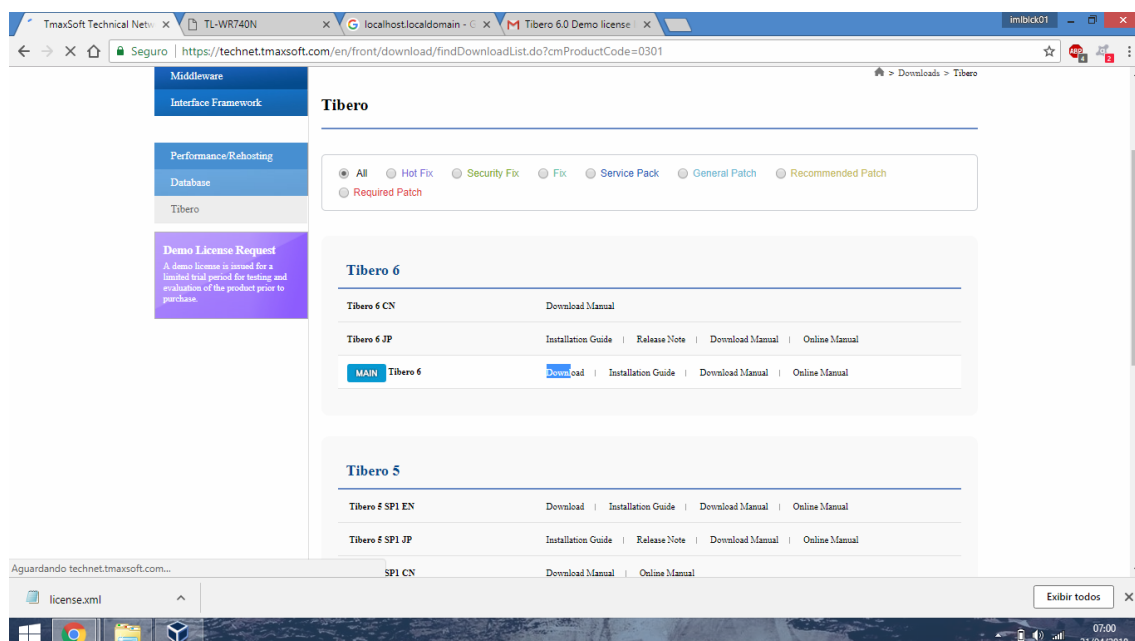


Fazendo o Download do Tibero

1º Dentro da Página de downloads do site escolher o produto Tibero



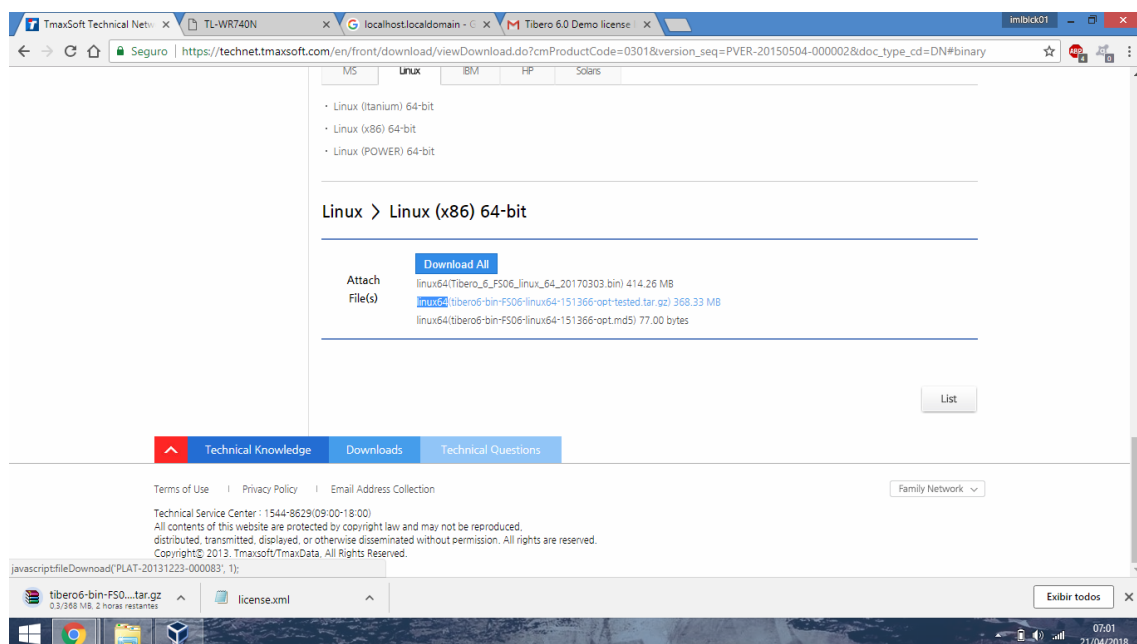
2º Clicar em Download do Tibero 6



3º Nessa área escolher a opção de Download Linux(x86) 64-bit



4º Baixar da opção



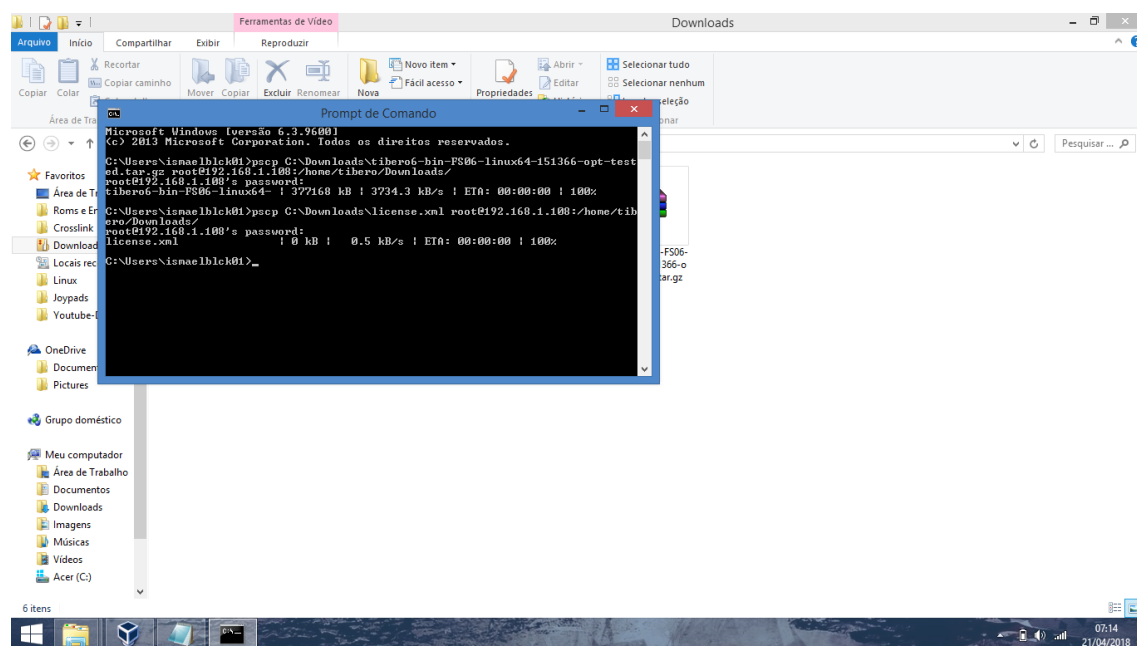
Transferindo a instalação e a licença para dentro da maquina virtual utilizando o programa pscp, ferramenta que vem junta ao instalar o programa de acesso remoto putty

1º Checar o endereço da rede no Linux, utilizando o comando: ip a

```
Kernel 3.10.0-862.el7.x86_64 on an x86_64

localhost login: tibero
Password:
Last login: Thu May 17 19:00:44 on tty1
[tibero@localhost ~]$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 08:00:27:47:39:d8 brd ff:ff:ff:ff:ff:ff
    inet 192.168.1.108/24 brd 192.168.1.255 scope global noprefixroute dynamic enp0s3
        valid_lft 7112sec preferred_lft 7112sec
    inet6 fe80::116e:e9ba:a56d:e54d/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
3: enp0s8: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 08:00:27:95:41:04 brd ff:ff:ff:ff:ff:ff
[tibero@localhost ~]$
```

2º No Windows utilizar a sintaxe do pscp para transferir os arquivos para dentro do linux



Instalando o Java e utilizando o VI para copiar e colar as variáveis de ambiente para o ~/.bash_profile.

1. Descompactar o arquivo do jdk

```
[tiberio@localhost install]$ pwd
/home/tiberio/install
[tiberio@localhost install]$ ls
db.sql          tiberio6-bin-FS06-linux64-151366-opt-tested.tar.gz
jdk-8u144-linux-x64.tar.gz  VariaveisTibero.txt
[tiberio@localhost install]$ tar xzvf jdk-8u144-linux-x64.tar.gz_
```

2. Renomear o diretório descompactado para Java e move-lo para /usr/bin

```
jdk1.8.0_144/man/ja_JP.UTF-8/man1/jconsole.1
jdk1.8.0_144/man/ja_JP.UTF-8/man1/jdeps.1
jdk1.8.0_144/man/ja_JP.UTF-8/man1/jinfo.1
jdk1.8.0_144/man/ja_JP.UTF-8/man1/jdb.1
jdk1.8.0_144/man/ja_JP.UTF-8/man1/jmap.1
jdk1.8.0_144/man/ja_JP.UTF-8/man1/javac.1
jdk1.8.0_144/man/ja_JP.UTF-8/man1/psimport.1
jdk1.8.0_144/man/ja_JP.UTF-8/man1/tnameserv.1
jdk1.8.0_144/man/ja_JP.UTF-8/man1/pack200.1
jdk1.8.0_144/man/ja_JP.UTF-8/man1/jcmd.1
jdk1.8.0_144/man/ja_JP.UTF-8/man1/javapackager.1
jdk1.8.0_144/man/ja_JP.UTF-8/man1/jstat.1
[tiberio@localhost install]$ ls
db.sql          tiberio6-bin-FS06-linux64-151366-opt-tested.tar.gz
jdk1.8.0_144    VariaveisTibero.txt
jdk-8u144-linux-x64.tar.gz
[tiberio@localhost install]$ mv jdk1.8.0_144 java
[tiberio@localhost install]$ ls
db.sql          jdk-8u144-linux-x64.tar.gz          VariaveisTibero.txt
java            tiberio6-bin-FS06-linux64-151366-opt-tested.tar.gz
[tiberio@localhost install]$ sudo -s
[sudo] password for tiberio:
[root@localhost install]# mv java /usr/bin/_
```


3. Utilizar o VI para selecionar as variáveis de ambiente utilizando a tecla 'v' do teclado, 'y' para copiar e logo em seguida '.' e digitar 'edit ~/.bash_profile' para abrir o bash_profile

```
[tiberio@localhost install]$ vi VariaveisTibero.txt_
export PATH
export TB_HOME=/home/tibero/tibero6
export TB_SID=tibero
export LD_LIBRARY_PATH=$TB_HOME/lib:$TB_HOME/client/lib
export PATH=$PATH:$TB_HOME/bin:$TB_HOME/client/bin:$TB_HOME/client/lib/jar
export JAVA_HOME=/usr/bin/java
export PATH=$JAVA_HOME/bin:$PATH_
--
-- VISUAL --
7 lines yanked
:edit ~/.bash_profile_
```

4. Dentro do bash_profile descer ate o fim do texto e teclar 'p' para colar o texto anteriormente copiado.

```
# .bash_profile

# Get the aliases and functions
if [ -f ~/.bashrc ]; then
    . ~/.bashrc
fi

# User specific environment and startup programs

PATH=$PATH:$HOME/.local/bin:$HOME/bin

export PATH
export TB_HOME=/home/tibero/tibero6
export TB_SID=tibero
export LD_LIBRARY_PATH=$TB_HOME/lib:$TB_HOME/client/lib
export PATH=$PATH:$TB_HOME/bin:$TB_HOME/client/bin:$TB_HOME/client/lib/jar
export JAVA_HOME=/usr/bin/java
export PATH=$JAVA_HOME/bin:$PATH
--
--
--
```

Fazendo a Instalação manual do Tiberio

1º Mover o arquivo de instalação para a pasta home do Linux

```
[tiberio@demo Downloads]$ ls
google-chrome-stable_current_x86_64.rpm
jdbc
kernel-devel-3.10.0-327.el7.x86_64.rpm
kernel-headers-3.10.0-327.el7.x86_64.rpm
license.xml
powershell.rpm
squirrel
tiberio6
tiberio6-bin-FS06-linux64-151366-opt-tested.tar.gz
tiberio_ins_links
Tiberio Studio 2_Installation Guide_v2.1.1_en.pdf
Tiberio Studio 2_User Guide_v2.1.1_en.pdf
[tiberio@demo Downloads]$ mv tiberio6
tiberio6/
tiberio6-bin-FS06-linux64-151366-opt-tested.tar.gz
[tiberio@demo Downloads]$ mv tiberio6
tiberio6/
tiberio6-bin-FS06-linux64-151366-opt-tested.tar.gz
[tiberio@demo Downloads]$ mv tiberio6-bin-FS06-linux64-151366-opt-tested.tar.gz /home/tiberio
[tiberio@demo Downloads]$
```

2º Descompactar o Arquivo lá

```
[tiberio@demo ~]$ ls
apache-tomcat-8.0.27  Public
Desktop              StartupTbAdmin.sh
Documents            StartupTbMigrator.sh
Downloads            StartupT-up.sh
jdk1.8.0_144         Templates
libcairo-swt.so      tiberio6-bin-FS06-linux64-151366-opt-tested.tar.gz
Music               Tiberio_Studio
NetBeansProjects    Videos
Pictures

[tiberio@demo ~]$ tar xzvf tiberio6-bin-FS06-linux64-151366-opt-tested.tar.gz
tiberio6/bin/alterdd.sh
tiberio6/bin/update/system_sh_pkgonly.sh
tiberio6/bin/update/psm_recompile_all.sh
tiberio6/bin/update/update.tbl
tiberio6/bin/tb_create_db.sh
tiberio6/bin/tbctl
tiberio6/bin/tbprof
tiberio6/bin/crfconf
tiberio6/bin/sysalloc_summary.sh
tiberio6/bin/tbiobench
tiberio6/bin/svr_env.sh
tiberio6/bin/tbboot
tiberio6/bin/tbinfo
```

3º Mover o arquivo da licença para a pasta licença dentro do diretório extraído

```
tibero6/scripts/systbl_job.sql
tibero6/license/oss_licenses/ICU_license.html
tibero6/license/oss_licenses/LGPL_v2.txt
tibero6/license/oss_licenses/oss_licenses.txt
tibero6/license/oss_licenses/BSD_license.txt
tibero6/license/oss_licenses/Apache_v2.txt
tibero6/nls/zoneinfo/timezone_be.dat
tibero6/nls/zoneinfo/timezone_le.dat
[tibero@demo ~]$ ls
apache-tomcat-8.0.27  Public
Desktop              StartupTAdmin.sh
Documents            StartupTbMigrator.sh
Downloads            StartupT-up.sh
jdk1.8.0_144         Templates
libcairo-swt.so      tibero6
Music                tibero6-bin-FS06-linux64-151366-opt-tested.tar.gz
NetBeansProjects     Tiberio_Studio
Pictures             Videos
[tibero@demo ~]$ pwd
/home/tibero
[tibero@demo ~]$ mv /home/tibero/Downloads/license.xml /home/tibero/tibero6/lice
nse/
```

4º Executar um script dentro da pasta config do diretório do tibero

```
tibero6/license/oss_licenses/LGPL_v2.txt
tibero6/license/oss_licenses/oss_licenses.txt
tibero6/license/oss_licenses/BSD_license.txt
tibero6/license/oss_licenses/Apache_v2.txt
tibero6/nls/zoneinfo/timezone_be.dat
tibero6/nls/zoneinfo/timezone_le.dat
[tibero@demo ~]$ ls
apache-tomcat-8.0.27  Public
Desktop              StartupTAdmin.sh
Documents            StartupTbMigrator.sh
Downloads            StartupT-up.sh
jdk1.8.0_144         Templates
libcairo-swt.so      tibero6
Music                tibero6-bin-FS06-linux64-151366-opt-tested.tar.gz
NetBeansProjects     Tiberio_Studio
Pictures             Videos
[tibero@demo ~]$ pwd
/home/tibero
[tibero@demo ~]$ mv /home/tibero/Downloads/license.xml /home/tibero/tibero6/lice
nse/
[tibero@demo ~]$
[tibero@demo ~]$ pwd
/home/tibero
[tibero@demo ~]$ sh /home/tibero/tibero6/config/gen_tip.sh
```

5º Executar o comando para iniciar o tiberio em modo nomount

```
[tiberio@demo ~]$ vi /home/tiberio/tiberio6/config/tiberio.tip
[tiberio@demo ~]$ /home/tiberio/tiberio6/bin/tbboot nomount
Listener port = 8629

Tiberio 6

TmaxData Corporation Copyright (c) 2008-. All rights reserved.
Tiberio instance started up (NOMOUNT mode).
[tiberio@demo ~]$
```

5.1 Se o tamanho da Shared Memory estiver configurada com um valor acima do disponível pela maquina ocorrerá um erro

```
[tiberio@demo ~]$ vi /home/tiberio/tiberio6/license/license.xml
[tiberio@demo ~]$ /home/tiberio/tiberio6/bin/tbboot nomount
*****
* ERROR: Invalid signature!!
* (4) Check the license file - /home/tiberio/tiberio6/license/license.xml
*****
[tiberio@demo ~]$ vi /home/tiberio/tiberio6/license/license.xml
[tiberio@demo ~]$ /home/tiberio/tiberio6/bin/tbboot nomount
Warning: The initialization parameter 'MEMORY_TARGET' value is greater than the
physical system memory size. MEMORY_TARGET: 4294967296 Physical System Memory Si
ze: 1329496064 Excessive memory consumption may cause the system to slow down or
malfunction. It is recommended to set the MEMORY_TARGET to a value less than th
e physical system memory size.
*****
* Cannot get shared memory segment: Check TOTAL_SHM_SIZE and OS PARAMETER
* SHM_KEY = 0x3a3e2ca9, size = 2147483648, SHMMAX = 1073741824
*
* Please adjust kernel parameters and retry.
* Linux: sysctl kernel.shmmax
* sysctl -w kernel.shmmax=2147483648
*****
[tiberio@demo ~]$ vi /home/tiberio/tiberio6/license/license.xml
[tiberio@demo ~]$ vi /home/tiberio/tiberio6/config/tiberio.tip
```

5.2 Para resolver deve-se configurar o arquivo de parâmetro de inicialização dentro da pasta config do tiberio para um valor que seja aceitável

```
# tip file generated from /home/tibero/tibero6/config/tip.template (Sat Apr 21 0
7:46:04 BRT 2018)
#-----
#
# RDBMS initialization parameter
#
#-----

DB_NAME=tibero
LISTENER_PORT=8629
CONTROL_FILES="/home/tibero/tibero6/database/tibero/c1.ctl"
#CERTIFICATE_FILE="/home/tibero/tibero6/config/avr_wallet/tibero.crt"
#PRIVKEY_FILE="/home/tibero/tibero6/config/avr_wallet/tibero.key"
#WALLET_FILE="/home/tibero/tibero6/config/avr_wallet/WALLET"
#ILOG_MAP="/home/tibero/tibero6/config/ilog.map"

MAX_SESSION_COUNT=20

TOTAL_SHM_SIZE=720M
MEMORY_TARGET=1G

~
~
"~/tibero6/config/tibero.tip" 20L, 699C                               19,1          All
```

6º Iniciar a aplicação tbsql com o usuário sys

```
[tibero@demo ~]$ vi /home/tibero/tibero6/config/tibero.tip
[tibero@demo ~]$ /home/tibero/tibero6/bin/tbboot nomount
Listener port = 8629

Tibero 6

TmaxData Corporation Copyright (c) 2008-. All rights reserved.
Tibero instance started up (NOMOUNT mode).
[tibero@demo ~]$ tbsql sys/tibero

tbSQL 6

TmaxData Corporation Copyright (c) 2008-. All rights reserved.

Connected to Tibero.

SQL> █
```

7º Criar o Banco de Dados, utilizando o comando Create Database ou executando um script @/home/install/db.sql

```
Wrote file .tbedit.sql

1 create database "tibero"
2 user sys identified by tibero
3 maxinstances 8
4 maxdatafiles 100
5 character set MSWIN949
6 national character set UTF16
7 logfile group 1 'log001.log' size 100M, group 2 'log002.log' size 100M, gro
up 3 'log003.log' size 100M
8 maxloggroups 255
9 maxlogmembers 8
10 noarchivelog
11 datafile 'system001.dtf' size 100M autoextend on next 100M maxsize unlimite
d
12 default temporary tablespace TEMP tempfile 'temp001.dtf' size 100M autoexte
nd on next 100M maxsize unlimited extent management local autoallocate
13 undo tablespace UNDO datafile 'undo001.dtf' size 100M autoextend on next 10
0M maxsize unlimited extent management local autoallocate
SQL> /

Database created.

SQL> █
```

8º Após o Banco de dados ser criado iniciá-lo novamente em modo normal

```
up 3 'log003.log' size 100M
8 maxloggroups 255
9 maxlogmembers 8
10 noarchivelog
11 datafile 'system001.dtf' size 100M autoextend on next 100M maxsize unlimite
d
12 default temporary tablespace TEMP tempfile 'temp001.dtf' size 100M autoexte
nd on next 100M maxsize unlimited extent management local autoallocate
13 undo tablespace UNDO datafile 'undo001.dtf' size 100M autoextend on next 10
0M maxsize unlimited extent management local autoallocate
SQL> /

Database created.

SQL> quit
Disconnected.
[tibero@demo ~]$ tbbboot
Listener port = 8629

Tibero 6

TmaxData Corporation Copyright (c) 2008-. All rights reserved.
Tibero instance started up (NORMAL mode).
[tibero@demo ~]$ █
```

9º Executar o script system.sh dentro do diretório scripts para serem criados os dicionários de dados do sistema

```
Disconnected.
[tibero@demo ~]$ tbboot
Listener port = 8629

Tibero 6

TmaxData Corporation Copyright (c) 2008-. All rights reserved.
Tibero instance started up (NORMAL mode).
[tibero@demo ~]$ $TB_HOME/scripts/system.sh
Enter SYS password:

Enter SYSCAT password:

Dropping agent table...
Creating text packages table ...
Creating the role DBA...
Create default system users & roles?(Y/N):
Y

Creating system users & roles...
Creating example users...
Creating virtual tables(1)...
Creating virtual tables(2)...
Granting public access to VT DUAL...
```

10º A partir desse ponto a instalação manual está finalizada

```
Running /home/tibero/tibero6/scripts/pkg/_pkg_dbms_xslprocessor.tbw...
Running /home/tibero/tibero6/scripts/pkg/_uda_wm_concat.tbw...
Register dbms_stats job to Job Scheduler?(Y/N):
Y

Registering dbms_stats job to Job Scheduler...
Creating audit event package...
Running /home/tibero/tibero6/scripts/pkg/_pkg_dbms_audit_event.tbw...
Creating packages for TPR...
Running /home/tibero/tibero6/scripts/pkg/pkg_dbms_tpr.sql...
Running /home/tibero/tibero6/scripts/pkg/_pkg_dbms_tpr.tbw...
Running /home/tibero/tibero6/scripts/pkg/_pkg_dbms_apm.tbw...
Start TPR
Create tudi interface
Running /home/tibero/tibero6/scripts/odci.sql...
Creating spatial meta tables and views ...
Creating internal system jobs...
Creating Japanese Lexer epa source ...
Creating internal system notice queue ...
Creating sql translator profiles ...
Creating agent table...
Done.
For details, check /home/tibero/tibero6/instance/tibero/log/system_init.log.
[tibero@demo ~]$
```

11º Checando se os processos de segundo plano do tiberio estão em execução

```
[tiberio@demo ~]$ ps -ef | grep tbsvr
tiberio 7939 1 0 08:39 pts/0 00:00:02 tbsvr -t NORMAL -SVR_SI
D tiberio
tiberio 7941 7939 0 08:39 pts/0 00:00:00 tbsvr_TBMP -t NORMAL -SVR_SI
D tiberio
tiberio 7942 7939 16 08:39 pts/0 00:02:02 tbsvr_WP000 -t NORMAL -SVR_SI
D tiberio
tiberio 7943 7939 0 08:39 pts/0 00:00:00 tbsvr_WP001 -t NORMAL -SVR_SI
D tiberio
tiberio 7944 7939 0 08:39 pts/0 00:00:00 tbsvr_PEP000 -t NORMAL -SVR_SI
D tiberio
tiberio 7945 7939 0 08:39 pts/0 00:00:00 tbsvr_PEP001 -t NORMAL -SVR_SI
D tiberio
tiberio 7946 7939 0 08:39 pts/0 00:00:00 tbsvr_PEP002 -t NORMAL -SVR_SI
D tiberio
tiberio 7947 7939 0 08:39 pts/0 00:00:00 tbsvr_PEP003 -t NORMAL -SVR_SI
D tiberio
tiberio 7948 7939 1 08:39 pts/0 00:00:07 tbsvr_AGNT -t NORMAL -SVR_SI
D tiberio
tiberio 7949 7939 3 08:39 pts/0 00:00:23 tbsvr_DBWR -t NORMAL -SVR_SI
D tiberio
tiberio 7950 7939 0 08:39 pts/0 00:00:01 tbsvr_REC0 -t NORMAL -SVR_SI
D tiberio
tiberio 9647 3682 0 08:52 pts/0 00:00:00 grep --color=auto tbsvr
```

12º Fazendo um testdrive

```
[tiberio@demo ~]$ tbsql sys/tiberio

tbSQL 6

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Connected to Tiberio.

SQL> CREATE USER ISMAEL IDENTIFIED BY ISMAEL ACCOUNT UNLOCK;

User 'ISMAEL' created.

SQL> GRANT CONNECT,RESOURCE TO ISMAEL;

Granted.

SQL> CONN ISMAEL/ISMAEL
Connected to Tiberio.

SQL> CREATE TABLE TESTE(T1 NUMBER);

Table 'TESTE' created.

SQL> 
```


13º Tudo correto

```
SQL> CONN ISMAEL/ISMAEL
Connected to Tiberio.

SQL> CREATE TABLE TESTE(T1 NUMBER);

Table 'TESTE' created.

SQL> INSERT INTO TESTE VALUES(69);

1 row inserted.

SQL> COMMIT;

Commit completed.

SQL> SELECT * FROM TESTE;

      T1
-----
      69

1 row selected.

SQL> █
```

14º Para fazer a desinstalação manual no Linux após executar o comando de exclusão total do \$TB_HOME com o servidor desligado, é somente preciso apagar as variáveis de ambiente do bash_profile

```
[tiberio@demo Downloads]$ tbdwn

Tiberio instance terminated (NORMAL mode).

[tiberio@demo Downloads]$ rm -rf $TB_HOME
[tiberio@demo Downloads]$ █
```