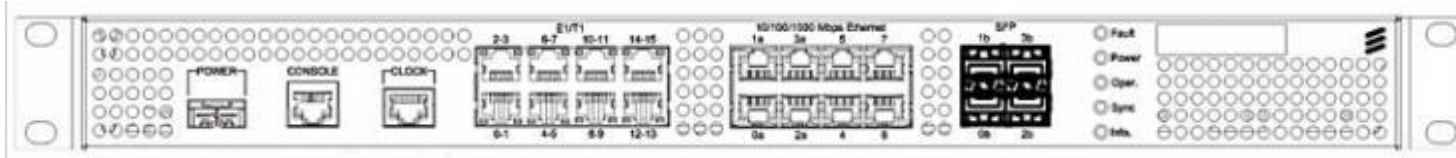


PROCEDIMENTOS BÁSICOS DE O&M

SIU, DUW-DUS-6000, BASE BAND



SIU



Conexão local.

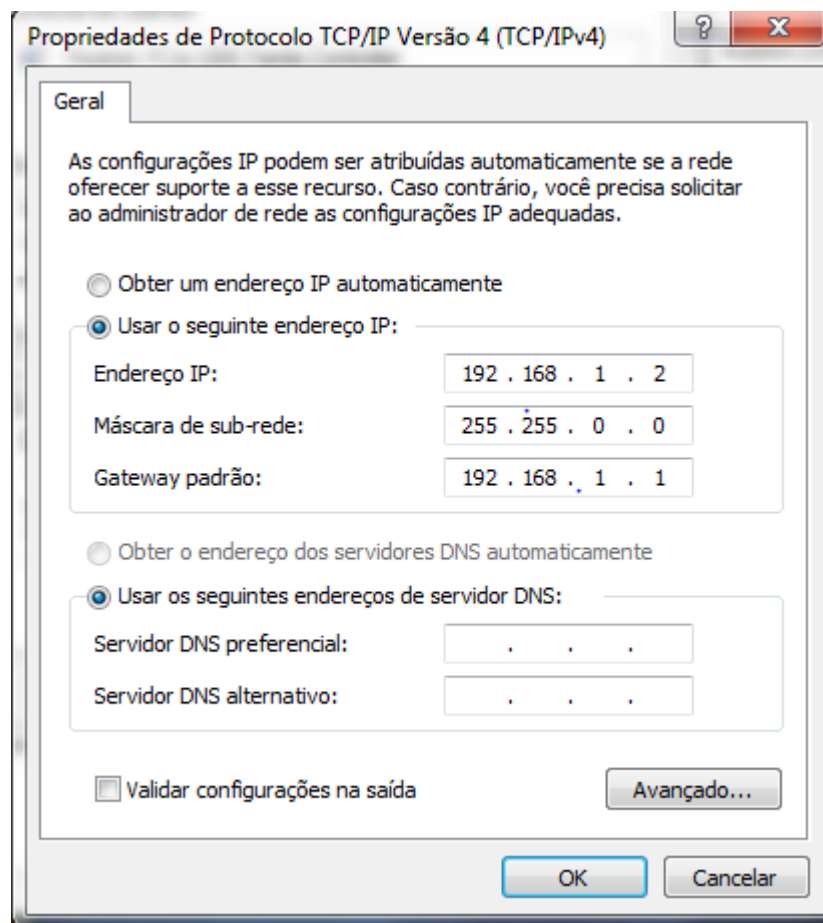
Formatando a SIU

Carregamento arquivo XML.

Upgrade SIU.

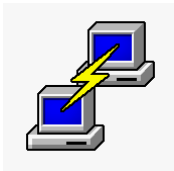
Conexão local SIU

- Configuração placa de rede.



- Software de conexão terminal necessário:
- Exemplos:

Putty;



Hiperterminal;

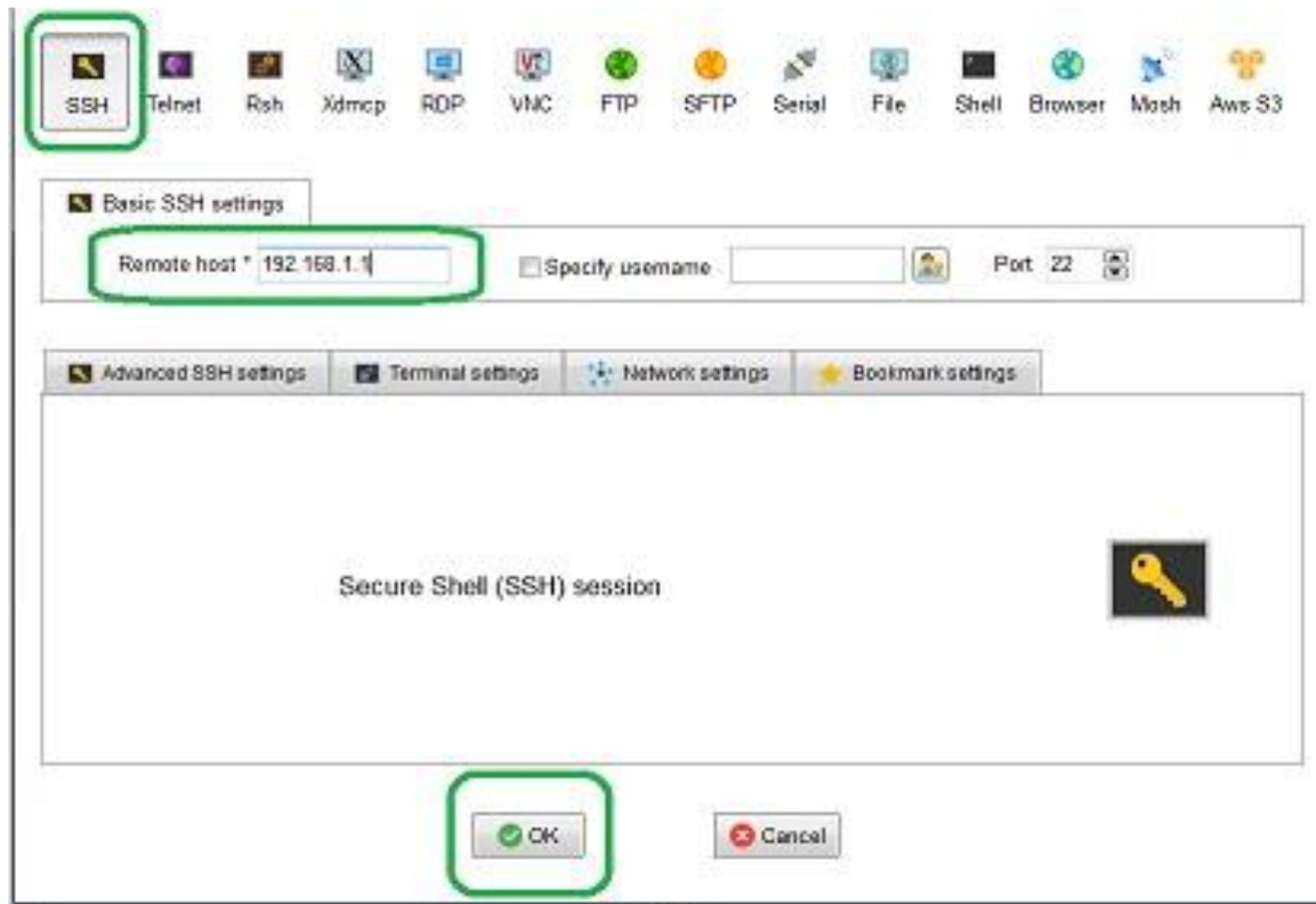


Moba ;



Conexão local SIU

Utilizaremos o MOBA para conexão neste procedimento.
Configurar IP de rede no terminal.



Após configurar placa de rede:

Cabo de rede RJ-45 deve ser conectado à porta **CONSOLE** da SIU.

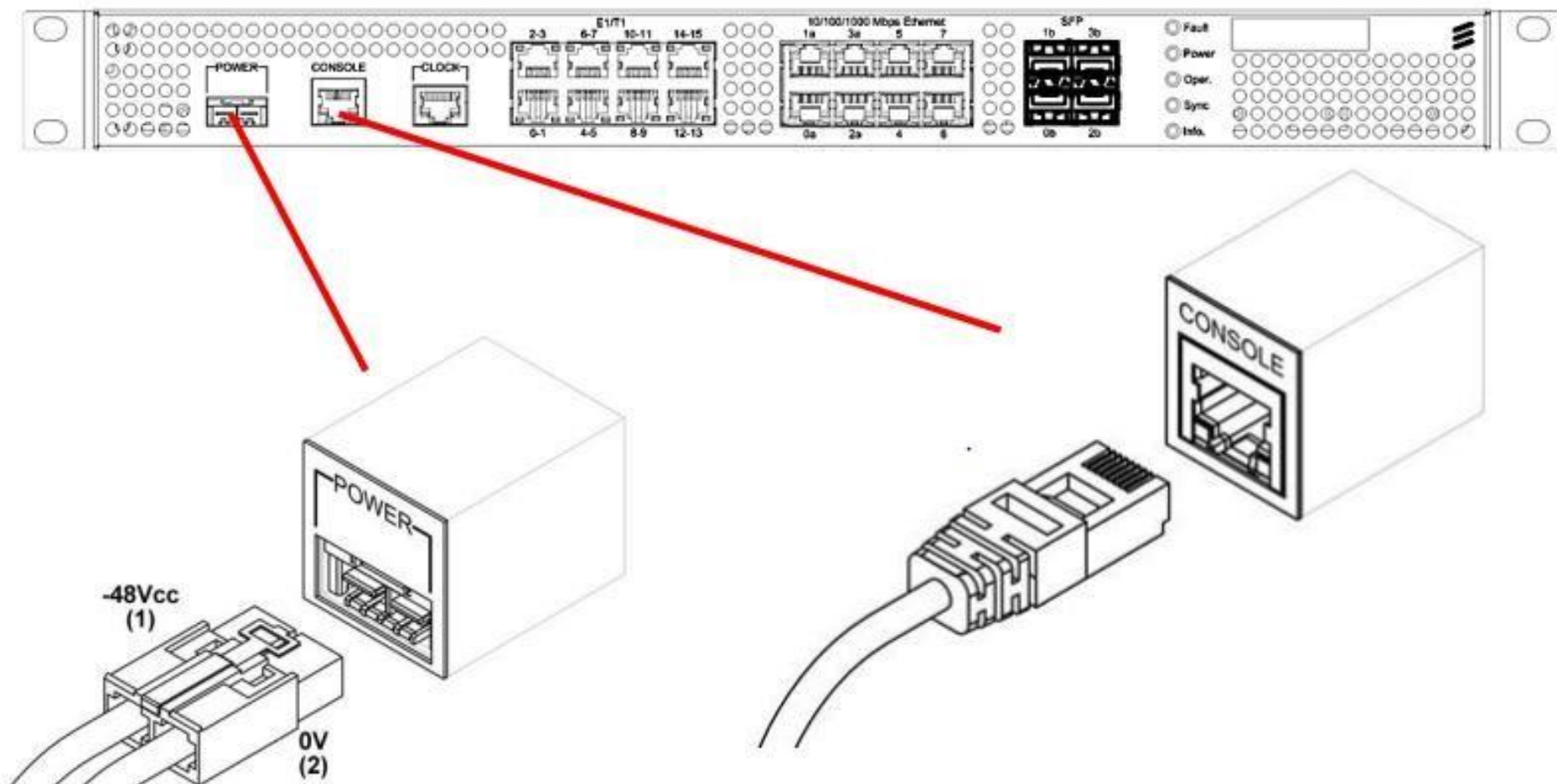
Será solicitado usuário e senha para acesso:

USUARIO – admin

SENHA- hidden

Conforme imagens a seguir:

Conexão local SIU



Conexão local SIU

The screenshot displays the MobaXterm 10.8 application window. The top menu bar includes Terminal, Sessions, View, X server, Tools, Games, Settings, Macros, and Help. Below the menu is a toolbar with icons for Session, Servers, Tools, Games, Sessions, View, Split, MultiExec, Tunneling, Packages, Settings, and Help. A 'Quick connect...' search bar is located below the toolbar. The main terminal area shows a session titled '1. Home' with the IP address '4. 192.168.1.1'. The terminal output indicates a login as 'admin' and prompts for the password. A large white box highlights the MobaXterm 10.8 status and session details:

```
• MobaXterm 10.8 •  
(SSH client, X-server and networking tools)  
  
➤ SSH session to admin@192.168.1.1  
  • SSH compression : ✓  
  • SSH-browser      : ✓  
  • X11-forwarding   : ✗ (disabled or not supported by server)  
  • DISPLAY          : 192.168.43.96:0.0  
  
➤ For more info, ctrl+click on help or visit our website
```

Below the highlighted box, the terminal shows 'STN CLI - ready' and 'OSmon>' with a cursor.

Formatando a SIU

Comando.

Resettofactorysetting (a SIU irá resetar e solicitara login novamente)

Solicitará confirmação, digite “OK”

```
STN CLI - ready
OSmon> Resettofactorysetting

Warning: All user settings will be removed, continue
(ok/cancel)? ok

OperationSucceeded

OSmon>
```

Formatando a SIU

Carregar os seguintes comandos para deleção dos MO's de autointegração.

```
startTransaction oem  
deletemo oem STN=0,AutoIntegration=0  
deletemo oem STN=0,EthernetInterface=AutoInt-1  
deletemo oem STN=0,EthernetInterface=AutoInt-2  
deletemo oem STN=0,IPInterface=AutoInt-1  
deletemo oem STN=0,IPInterface=AutoInt-2  
deletemo oem STN=0,VLANGroup=AutoInt-1  
deletemo oem STN=0,VLANGroup=AutoInt-2  
checkConsistency oem  
  
commit oem  
  
endTransaction oem
```

Formatando a SIU

```
OSmon> startTransaction oem
OperationSucceeded

OSmon> deletemo oem STN=0,AutoIntegration=0
OperationSucceeded

OSmon> deletemo oem STN=0,EthernetInterface=AutoInt-1
OperationSucceeded

OSmon> deletemo oem STN=0,EthernetInterface=AutoInt-2
OperationSucceeded

OSmon> deletemo oem STN=0,IPInterface=AutoInt-1
OperationSucceeded

OSmon> deletemo oem STN=0,IPInterface=AutoInt-2
OperationSucceeded

OSmon> deletemo oem STN=0,VLANGroup=AutoInt-1
OperationSucceeded

OSmon> deletemo oem STN=0,VLANGroup=AutoInt-2
OperationSucceeded

OSmon> checkConsistency oem
consistent
OperationSucceeded

OSmon>
OSmon> commit oem
OperationSucceeded

OSmon>
OSmon> endTransaction oem
OperationSucceeded

OSmon> █
```

Carregando arquivo XML

Software necessário:

MSFTPServer



Arquivo XML fornecido pelo Suporte RF.



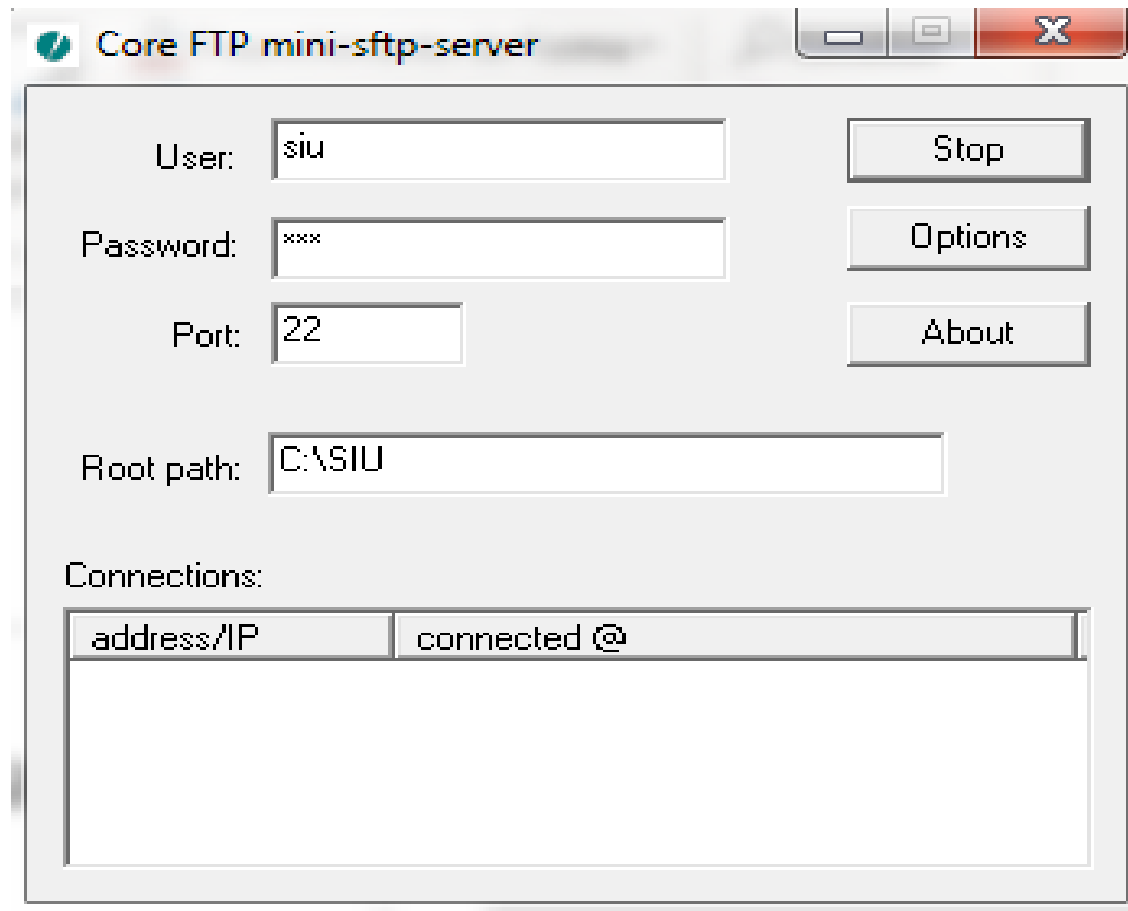
SIU_TAV21
Documento XML
12,9 KB

Carregando arquivo XML

Sugestão:

Crie uma pasta no diretório c:\ com o nome SIU e guarde o arquivo neste endereço.

Execute o MSFTP e indique a pasta **C:\SIU**. **USER: siu password: siu**



Formatar a SIU e carregar os seguintes comandos:

```
startsession oem  
uselocalftp on
```

(Indicar endereço do arquivo)

```
download oem sftp://siu:siu@192.168.1.2/SIU_TAV21.xml
```

```
getsessionstatus oem  
activate oem  
endsession oem
```

Resultados conforme print abaixo.

```
OSmon> startsession oem
```

```
OperationSucceeded
```

```
OSmon> uselocalstftp on
```

```
OperationSucceeded
```

```
OSmon> download oem sftp://siu:siu@192.168.1.2/SIU_TAV21.xml
```

```
OperationSucceeded
```

```
OSmon> getsessionstatus oem
```

```
DownloadCompleted
```

```
OperationSucceeded
```

```
OSmon> activate oem
```

Executar o comando: `getmoattribute`

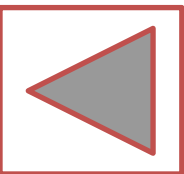
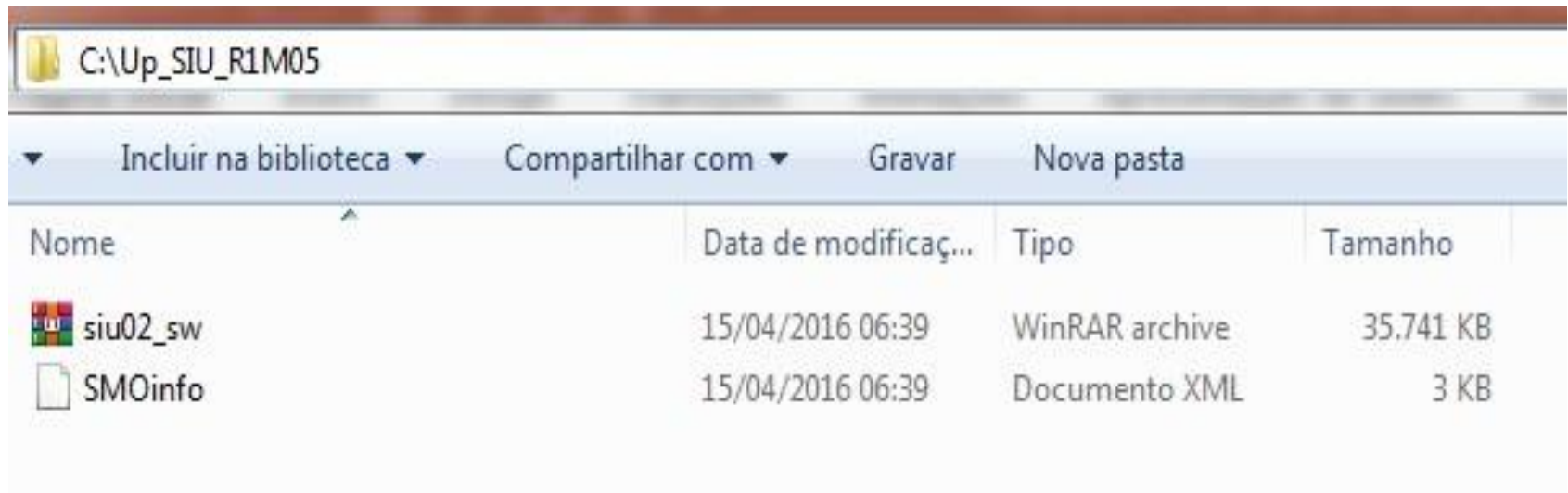
Ir  listar todos os MO's criados ap s o carregamento do Scrip.

Upgrade SIU

Sugestão:

Criar pasta no diretório C:\ com o nome da versão de SW:

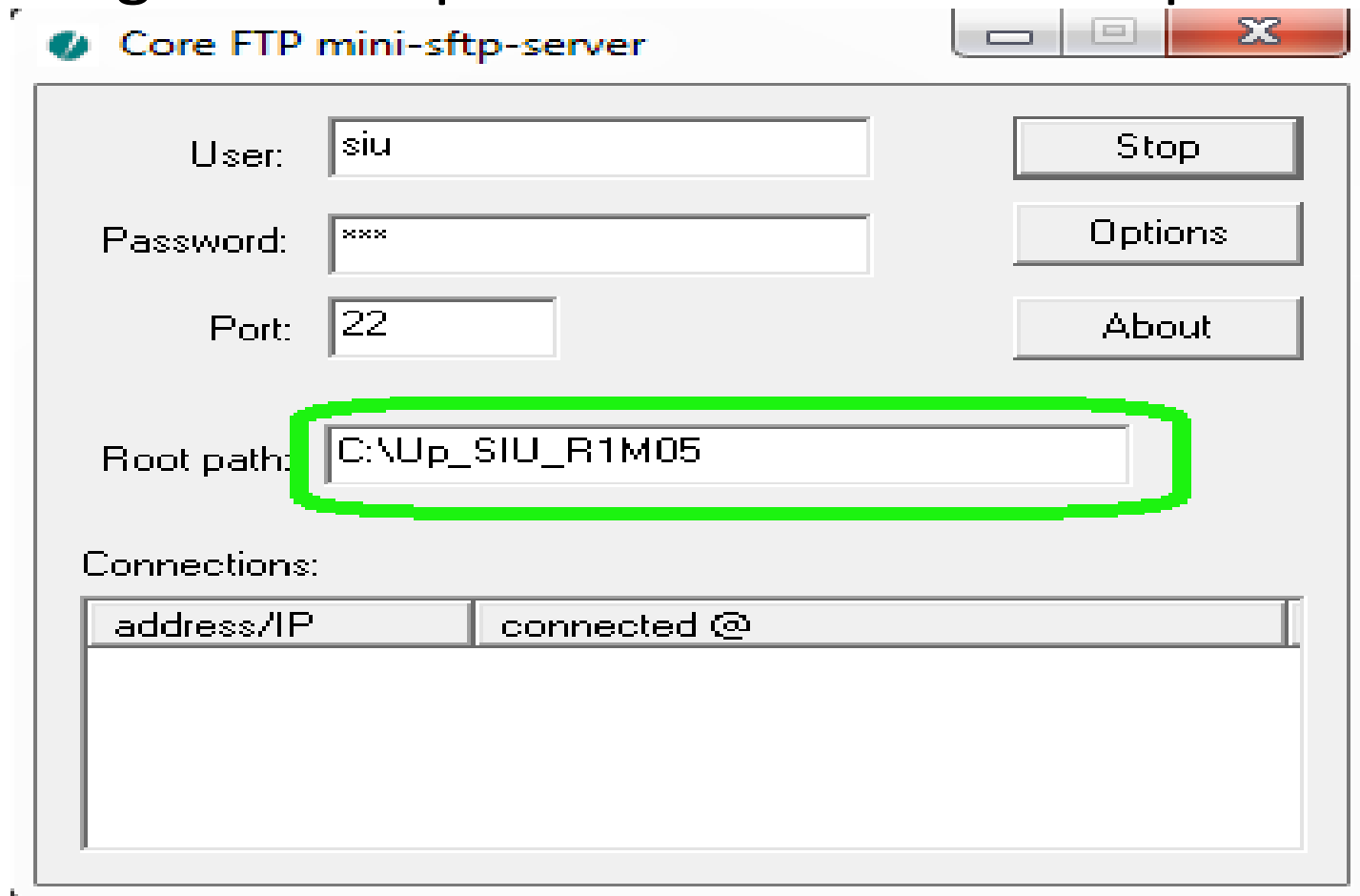
Inserir pacote de Upgrade e arquivo xml nesta pasta.



Upgrade SIU

Formatar a SIU conforme slides 9 e 10

Configurar msftp com o diretório do arquivo:



Upgrade SIU

Conectar na SIU verificar a revisão atual com o comando: **rev**

```
----- Software archives -----
Primary:
  OSE      CXP102138_1
  Linux    -
Backup:
  OSE      CXP102138_1
----- Active software -----
```

R2Y16
R2Y16
R2Y16

Upgrade SIU

Executar os seguintes comandos;

```
startswsession oem  
uselocalsftp on
```

(Indicar endereço do arquivo)

```
downloadsw oem sftp://siu:siu@192.168.1.2/siu02_sw.tar
```

```
getswsessionstatus oem  
activatesw oem  
endswsession oem  
restart
```

Resultados conforme print a seguir.

Upgrade SIU

download leva em torno de 5 minutos para concluir.

```
OSmon> startswsession oem
OperationSucceeded

OSmon> uselocalsftp on
OperationSucceeded

OSmon> downloadsw oem sftp://siu:siu@192.168.1.2/siu02_sw.tar
OperationSucceeded



OSmon> getswsessionstatus oem
DownloadInProgress
OperationSucceeded

OSmon> getswsessionstatus oem
DownloadInProgress
OperationSucceeded

OSmon> getswsessionstatus oem
DownloadCompleted
OperationSucceeded

OSmon> activatesw oem
OperationSucceeded

OSmon>
```



Upgrade SIU

Após retornar do restart notem que ao executar o comando **REV**, a revisão de backup permanece a anterior. Para que possa ser atualizada devemos repetir o processo de Upgrade novamente.

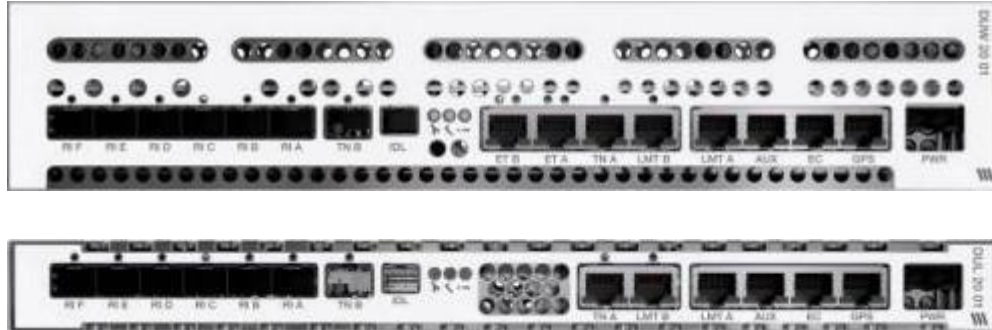
```
----- Software archives -----
Primary:
OSE      CXP102183_1              R1M05
Linux    -                      R1M05

Backup:
OSE      CXP102138_1              R2Y16
----- Active software -----
```

```
----- Software archives -----
Primary:
OSE      CXP102183_1              R1M05
Linux    -                      R1M05

Backup:
OSE      CXP102183_1              R1M05
----- Active software -----
```

DUW-DUS-6000



Conexão Terminal.
Recomissionamento.
Troca IP Gerência.

DUW-DUS-6000

Conexão terminal:

Neste procedimento usaremos conexão via **Putty** como exemplo.

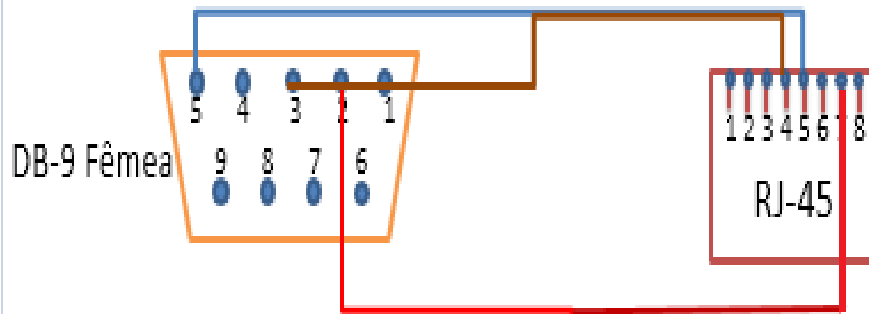
Necessário a confecção do cabo DB-9/RJ-45 interligando com conversor Serial-USB.



DUW-DUS-6000

Pinagens para confecção dos cabos.

DUS e DUW-4101



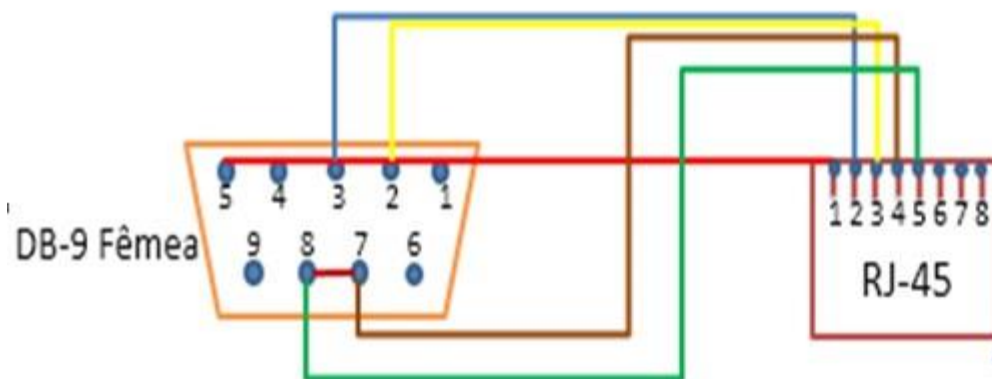
Cabo RJ-45 / DB-9 - RBS 6000

RJ 45	DB-9
4	7
3	4
5	5

DUW-DUS-6000

Pinagens para confecção dos cabos.

DUW-3001 e 3101

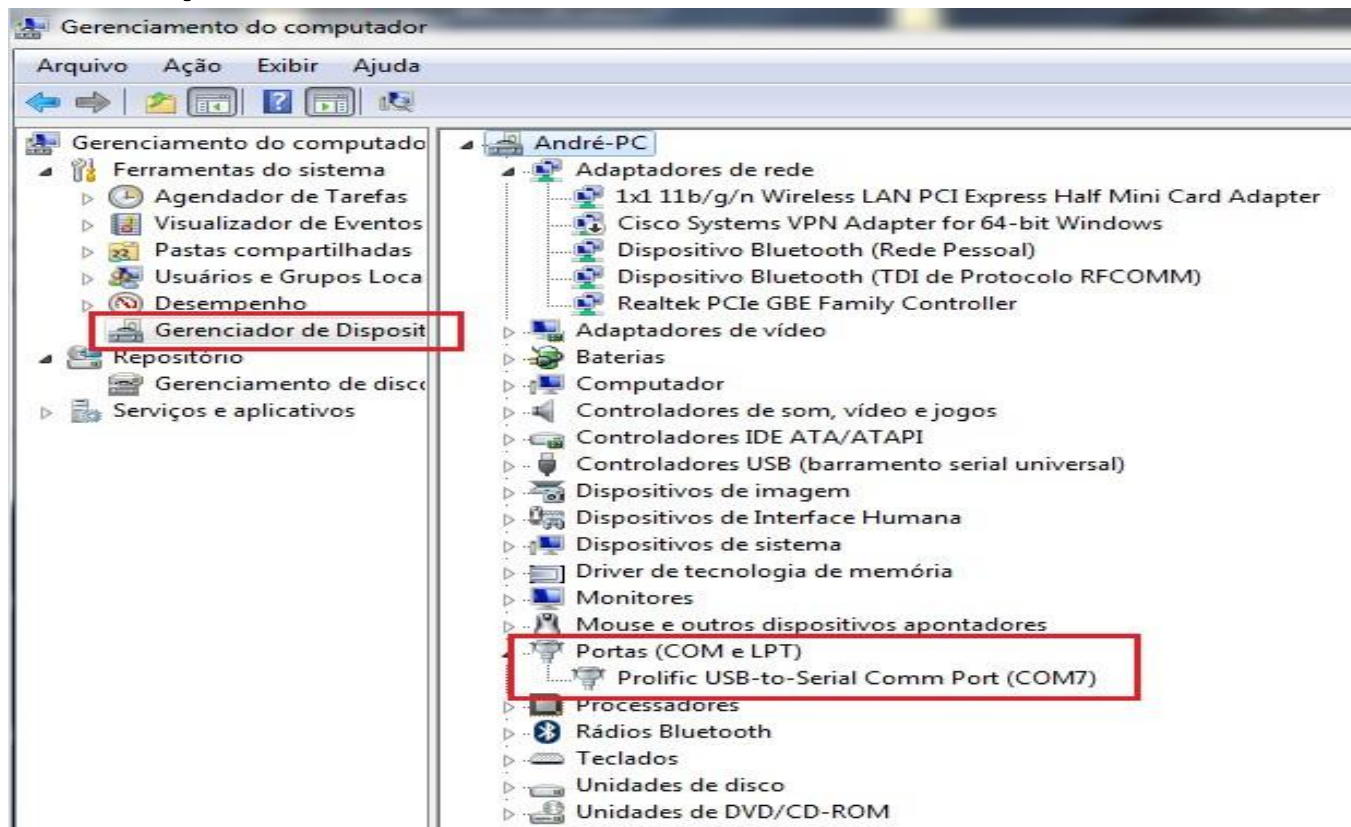


Cabo RJ-45 / DB-9 – RBS 6000

RJ 45	DB-9
1	5
2	3
3	2
4	7
5	8

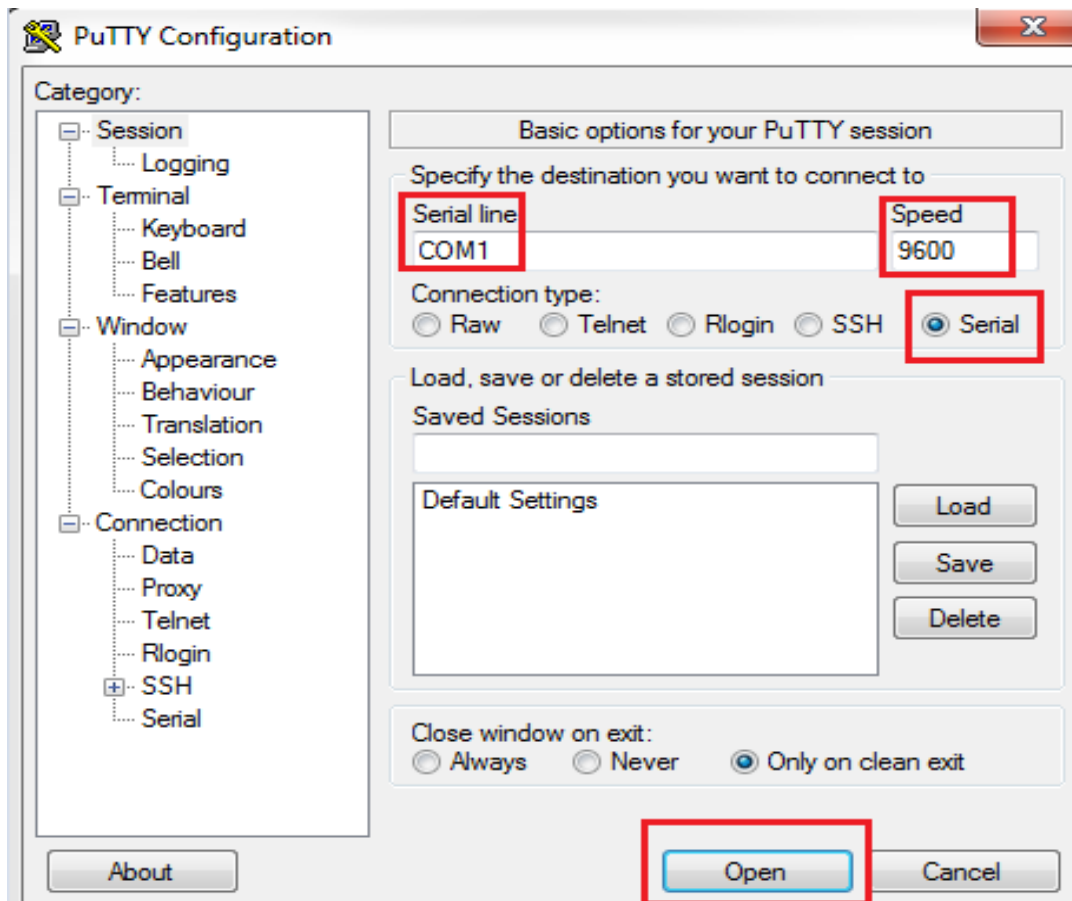
DUW-DUS-6000

Conectar cabo na porta LMT da DU e verificar porta COM que está habilitada em seu computador, na barra gerenciador de dispositivos\portas



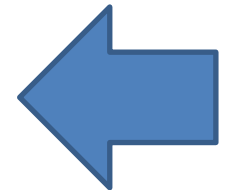
DUW-DUS-6000

Configurar “Putty” da seguinte forma:



Lembrando:

Porta com a ser
Configurada será
a que está ativa
no computador.



DUW-DUS-6000

Solicitará Login e senha que são:

Login- **rbs** Senha- **rbs**



A screenshot of a PuTTY terminal window titled "COM7 - PuTTY". The window shows a login process where the user "rbs" has entered their username and password. The terminal output is as follows:

```
Login failed.  
username: rbs  
password:  
Welcome to OSE Shell OSE5.8.  
$
```

The prompt "\$" is followed by a green cursor block.

DUW-DUS-6000

Recomissionamento - formatando a DU.

Comandos;

```
reload --
```

```
mount_c2
```

```
formathd /c2
```

```
Y
```

```
formathd /d
```

```
y
```

```
Reload -
```

```
Ifconfig le0 169.254.1.10 netmask 255.255.0.0 (Sendo DUW 169.254.1.1)
```

```
reload
```

DUW-DUS-6000

Recomissionamento- Copiando pacote de SW.

Havendo a necessidade de recomissionamento da DU, será preciso copiar os arquivos de SW de um site equivalente para que possamos realizar o processo.

Primeiramente deve-se verificar qual modelo do HW que apresentou problema, ex; **DUS-4101.**

É preciso identificar um Site onde contenha esse HW com a mesma versão de SW, ex; **R24FG.**

Já conectado no site doador será realizado a copia dos arquivos pasta C e D na DU.

DUW-DUS-6000

Recomissionamento- Copiando pacote de SW.

É necessário a utilização de programa de transferência SFTP, FTP ex;

FileZilla-



WS-FTP

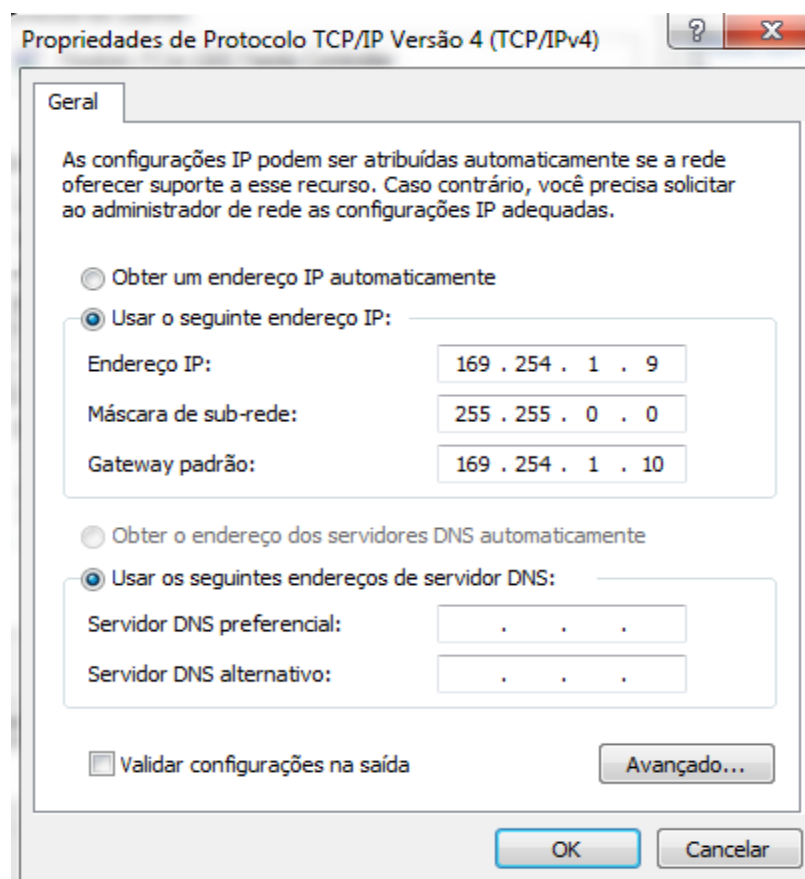


Neste documento utilizaremos o **WinScp** no processo

DUW-DUS-6000

Recomissionamento- Configurando placa de rede e WinScp.

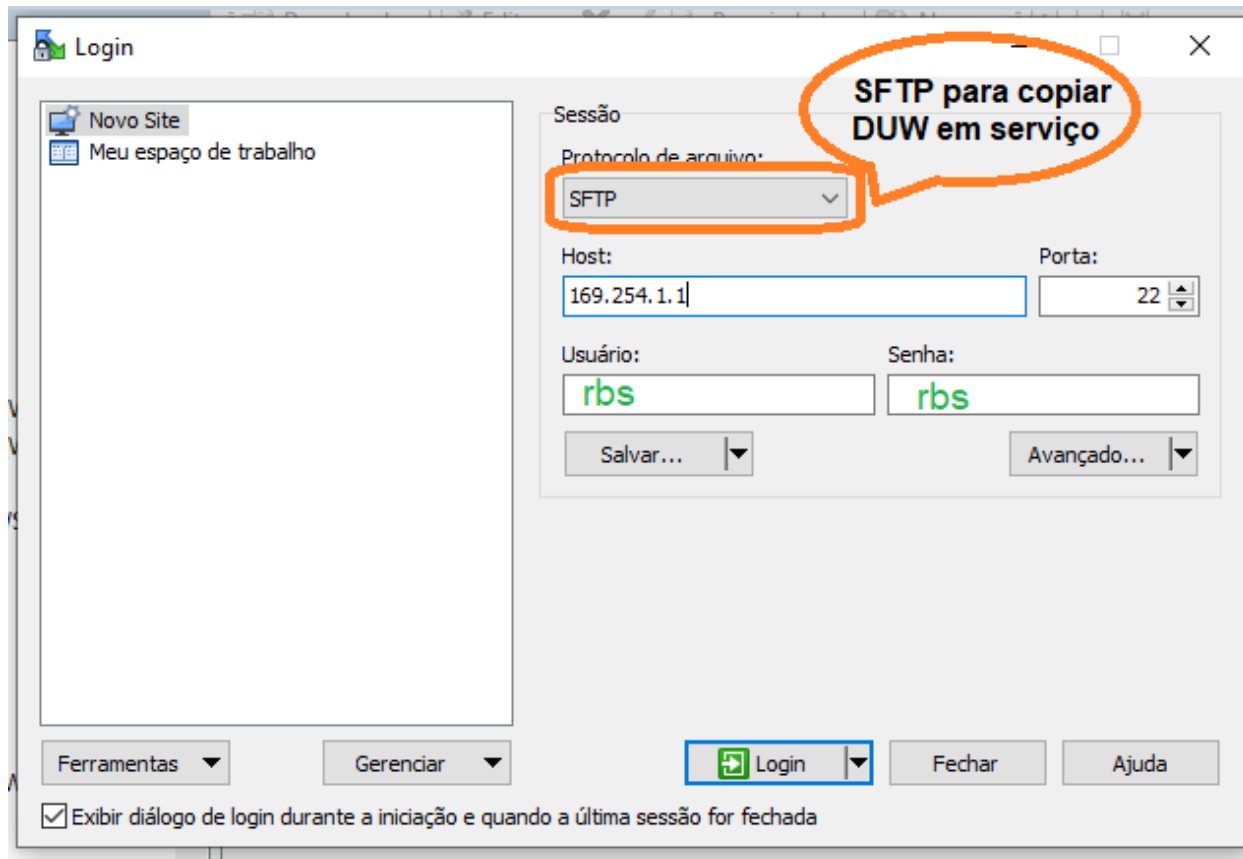
Conectar cabo RJ-45 na porta LMT e configurar a placa de rede da seguinte forma DUS:



DUW-DUS-6000

Recomissionamento- Configurando placa de rede e WinScp.

Abrir o WinScp e configurar da seguinte forma; Usuario-**rbs** Senha-**rbs**

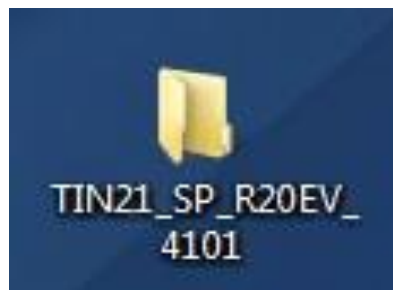


DUW-DUS-6000

Recomissionamento- Copiando arquivos.

Note que ao lado direito aparece entre os arquivos as pastas “C e D”, trata-se da DU, ao lado esquerdo é a interface com o computador para onde iremos copiar os arquivos.

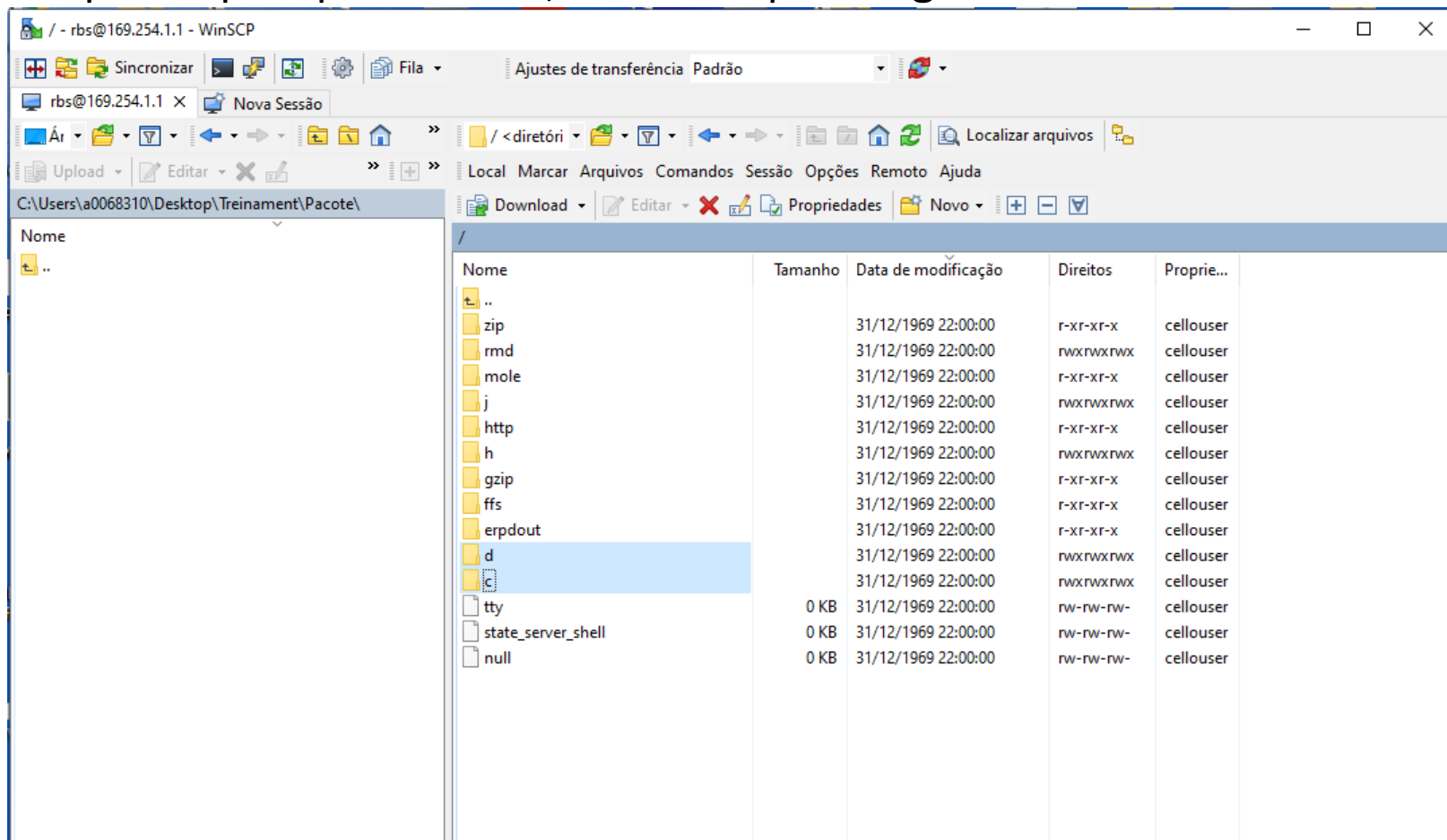
Crie uma pasta em sua área de trabalho com o nome do site, versão de HW e SW que está sendo copiado.



DUW-DUS-6000

Recomissionamento- Copiando arquivos.

Selecione a pasta criada em sua área de trabalho no lado esquerdo do WinSCP e no lado direito selecione as pastas “C e D” e arraste sentido lado esquerdo para pasta criada, conforme print. **Aguarde até terminar.**

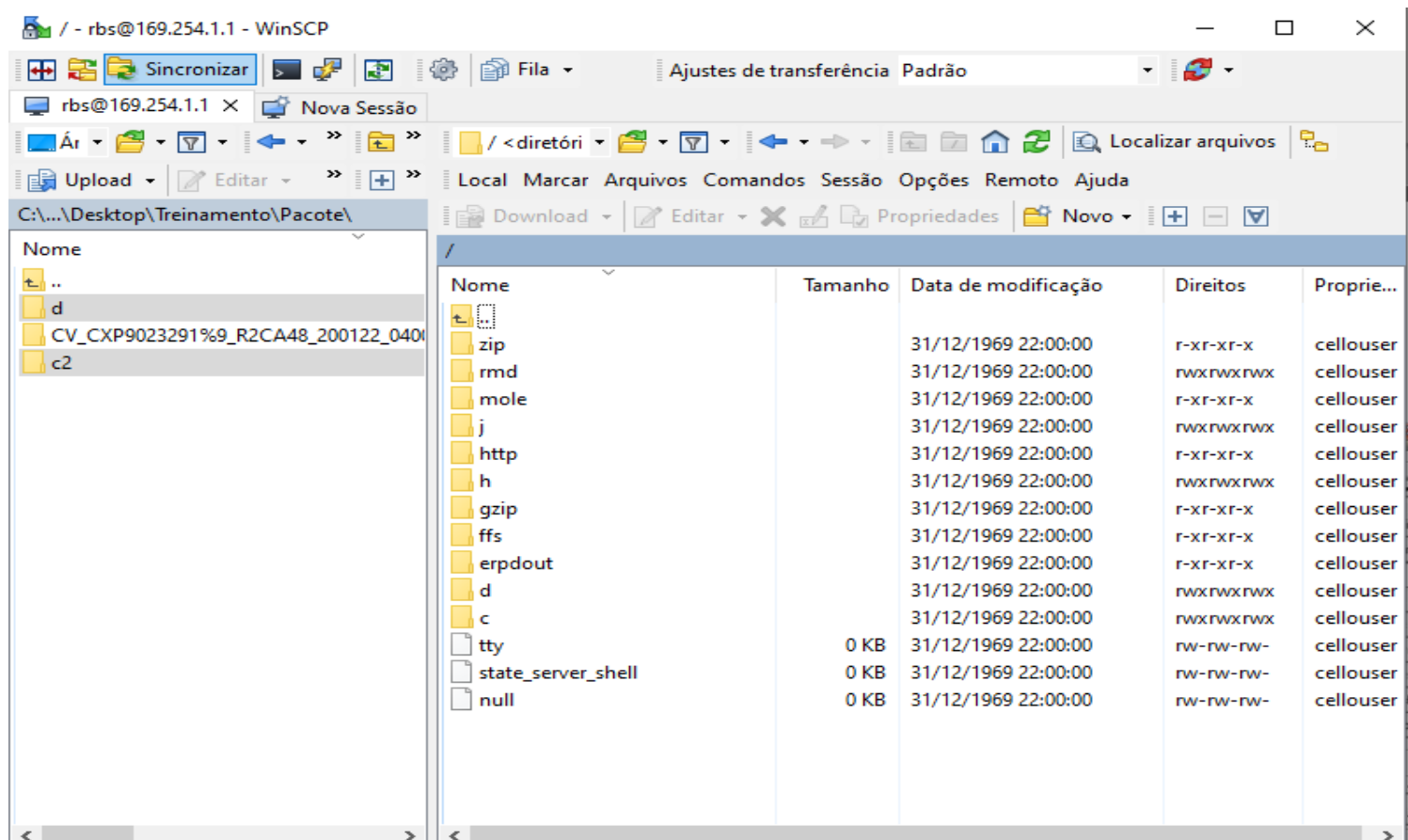


DUW-DUS-6000

Recomissionamento- Carregando pacote e CV na DU.

Formatar a DU conforme explicado na pagina “30”, conectar WinSCP conforme pagina “34” (**como FTP**), renomear para “C2” a pasta “C” do arquivo extraído da DU doadora, e selecionar as pastas e transferir da seguinte forma:

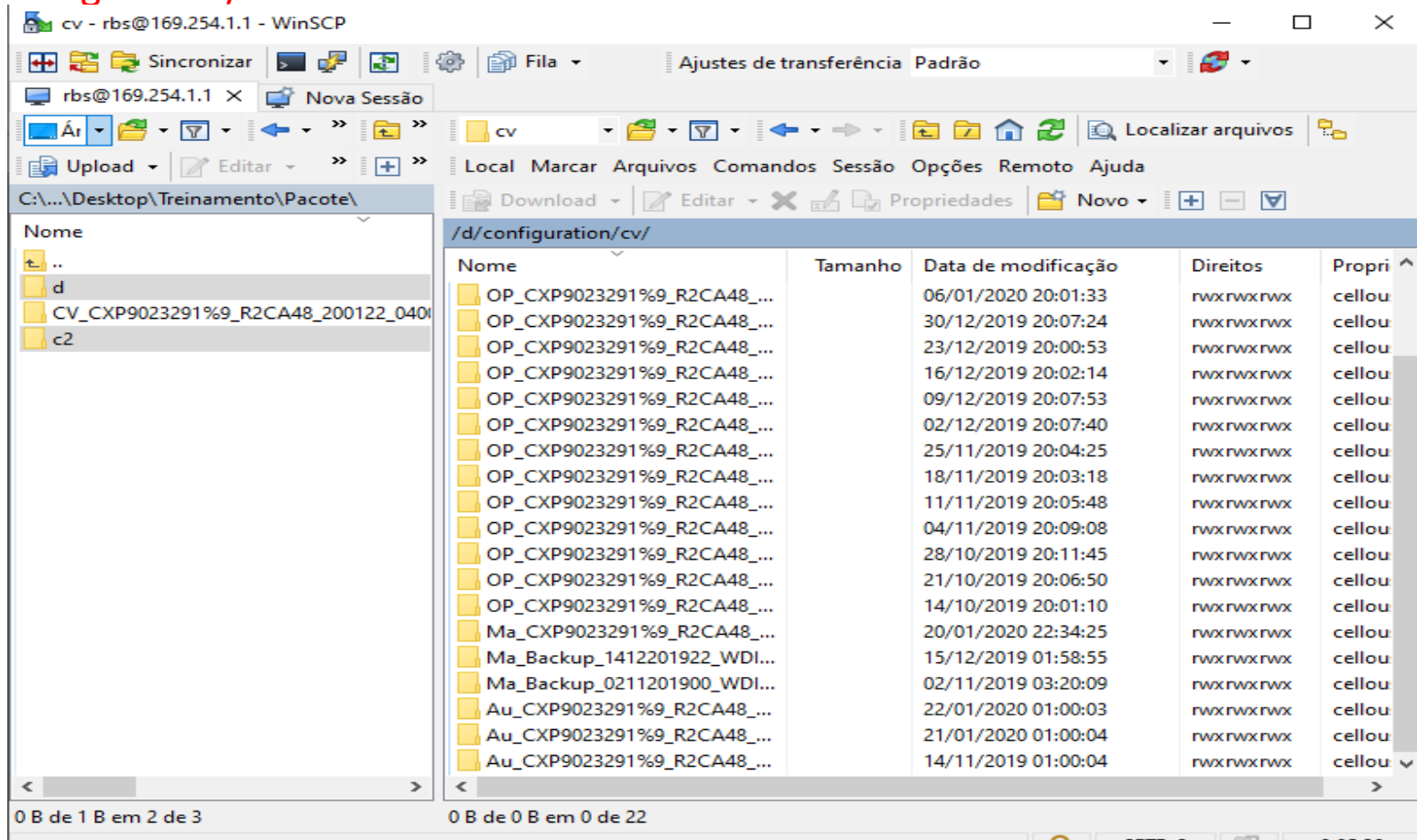
(Procedimento deve ser executado com a transmissão aberta)



DUW-DUS-6000

Recomissionamento- Carregando pacote e CV na DU.

Após conclusão da transferência conectar via terminal (**Putty**) e executar o comando “**reload**”, assim a DU subirá com as configurações do site copiado. Conectar novamente via WinSCP e no diretório da DU e abrir a pasta **/d/configuration/cv**.

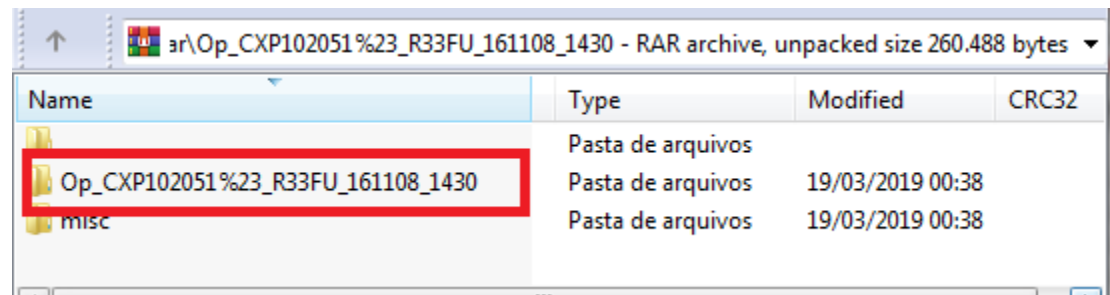
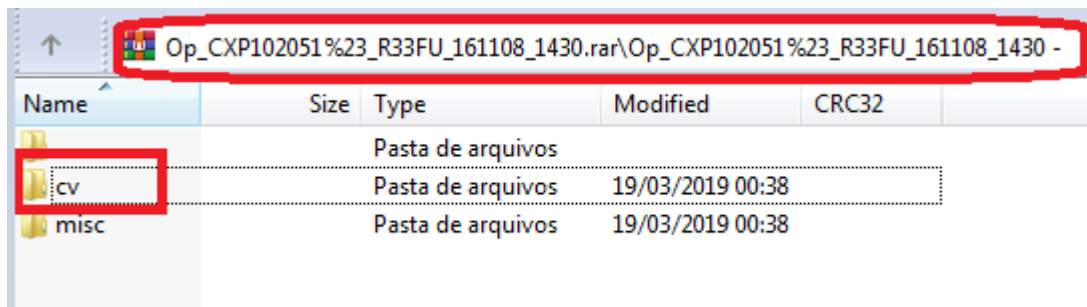


DUW-DUS-6000

Recomissionamento- Carregando pacote e CV na DU.

Para carregar o CV da DU que ficou indisponível deve-se tratar o arquivo da seguinte forma:

Descompactar a pasta CV dentro do arquivo zip (**disponibilizado pelo Suporte RF**) e renomear com o nome da pasta raiz.



DUW-DUS-6000

Recomissionamento- Carregando pacote e CV na DU.

Transferir a pasta do CV para o diretório de CV's da DU, e após a transferência conectar via terminal (Putty) e executar o comando **"reload"**. Após o reload a DU subirá com o CV inserido disponível para setar como Startable "Rodar" esse CV e a DU subirá com as configurações do Site que estava indisponível, ligar para o suporte RF para que possa ser habilitada a licença emergencial e solicitado a licença definitiva.

The screenshot shows a file transfer application window. The left pane displays the local file system at 'C:\...\Desktop\Treinamento\Pacote\'. The right pane displays the remote file system at '/d/configuration/cv/'. The remote directory contains a list of files with names like 'OP_CXP9023291%9_R2CA48_...' and 'Ma_CXP9023291%9_R2CA48_...'. The interface includes a toolbar with icons for upload, download, and other file operations.

Nome	Tamanho	Data de modificação	Direitos	Pr
OP_CXP9023291%9_R2CA48_...		06/01/2020 20:01:33	rw-rw-rw-	ce
OP_CXP9023291%9_R2CA48_...		30/12/2019 20:07:24	rw-rw-rw-	ce
OP_CXP9023291%9_R2CA48_...		23/12/2019 20:00:53	rw-rw-rw-	ce
OP_CXP9023291%9_R2CA48_...		16/12/2019 20:02:14	rw-rw-rw-	ce
OP_CXP9023291%9_R2CA48_...		09/12/2019 20:07:53	rw-rw-rw-	ce
OP_CXP9023291%9_R2CA48_...		02/12/2019 20:07:40	rw-rw-rw-	ce
OP_CXP9023291%9_R2CA48_...		25/11/2019 20:04:25	rw-rw-rw-	ce
OP_CXP9023291%9_R2CA48_...		18/11/2019 20:03:18	rw-rw-rw-	ce
OP_CXP9023291%9_R2CA48_...		11/11/2019 20:05:48	rw-rw-rw-	ce
OP_CXP9023291%9_R2CA48_...		04/11/2019 20:09:08	rw-rw-rw-	ce
OP_CXP9023291%9_R2CA48_...		28/10/2019 20:11:45	rw-rw-rw-	ce
OP_CXP9023291%9_R2CA48_...		21/10/2019 20:06:50	rw-rw-rw-	ce
OP_CXP9023291%9_R2CA48_...		14/10/2019 20:01:10	rw-rw-rw-	ce
Ma_CXP9023291%9_R2CA48_...		20/01/2020 22:34:25	rw-rw-rw-	ce

DUW-DUS-6000

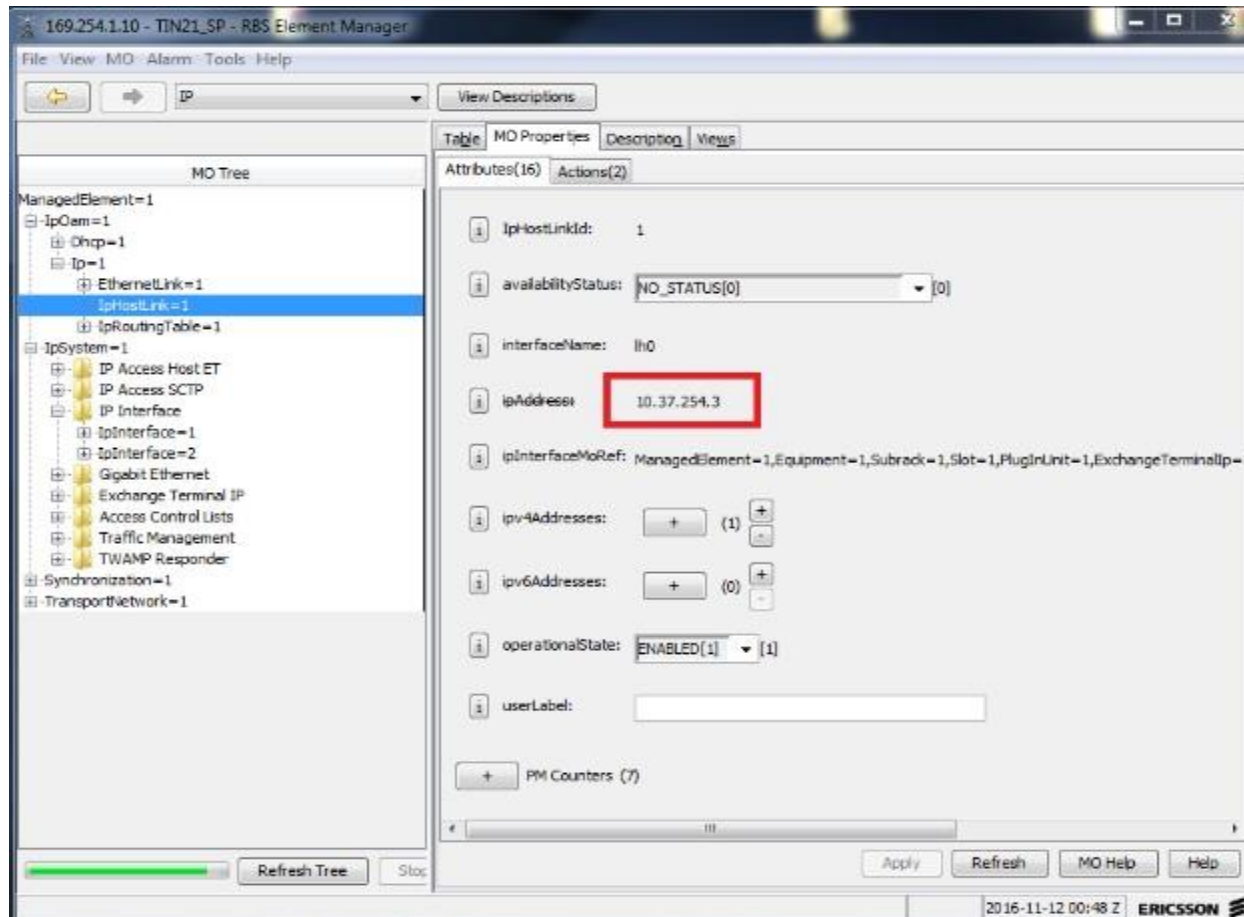
Troca IP de gerência.

Deve-se logar via **Element Management**, alterar os IP's com dados fornecidos pelo Suporte, neste caso simularemos a alteração do IP de: 10.37.254.3 rede /27

para 10.11.64.203 rede /29

Gateway 10.11.64.203

Vlan -3700.



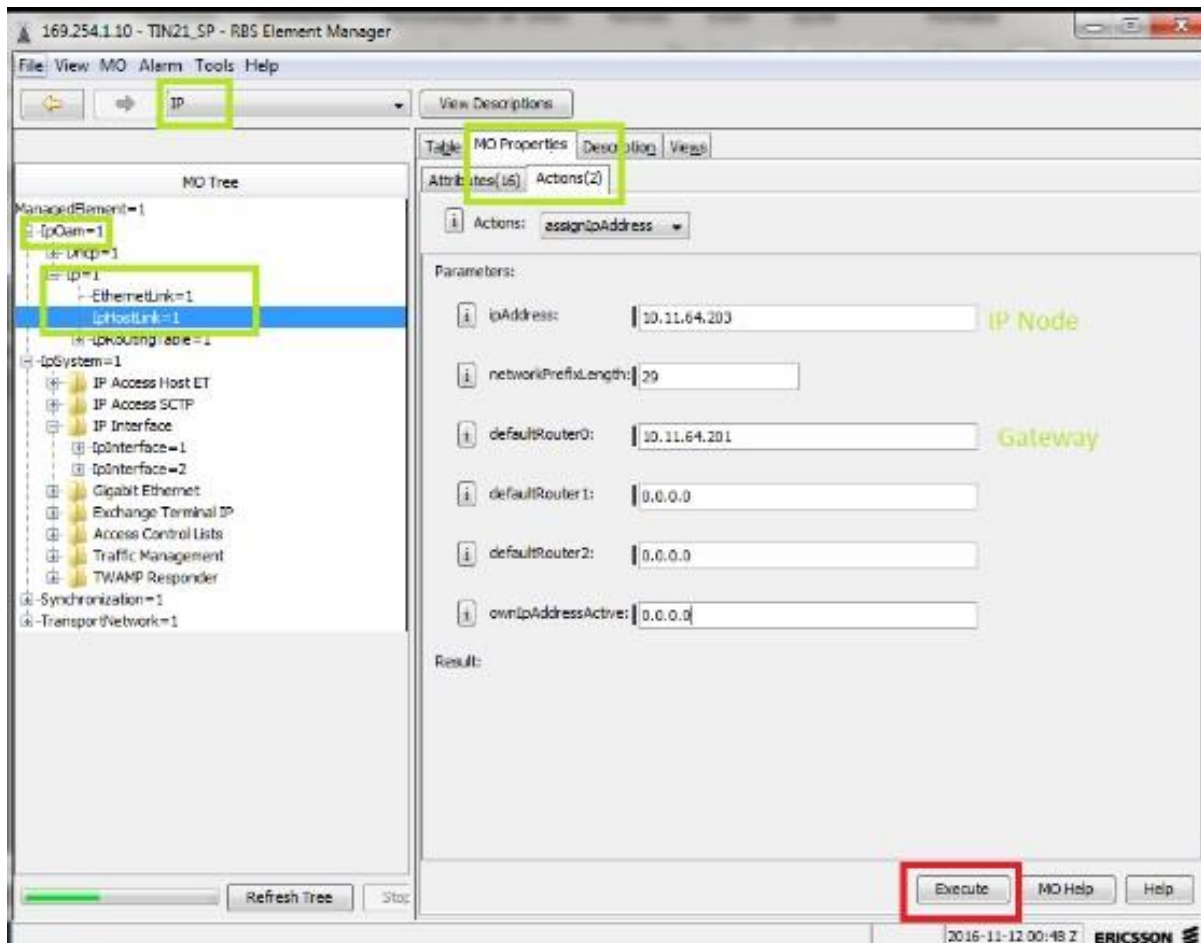
DUW-DUS-6000

Troca IP de gerência.

Alterando IpHostLink;

Caminho;

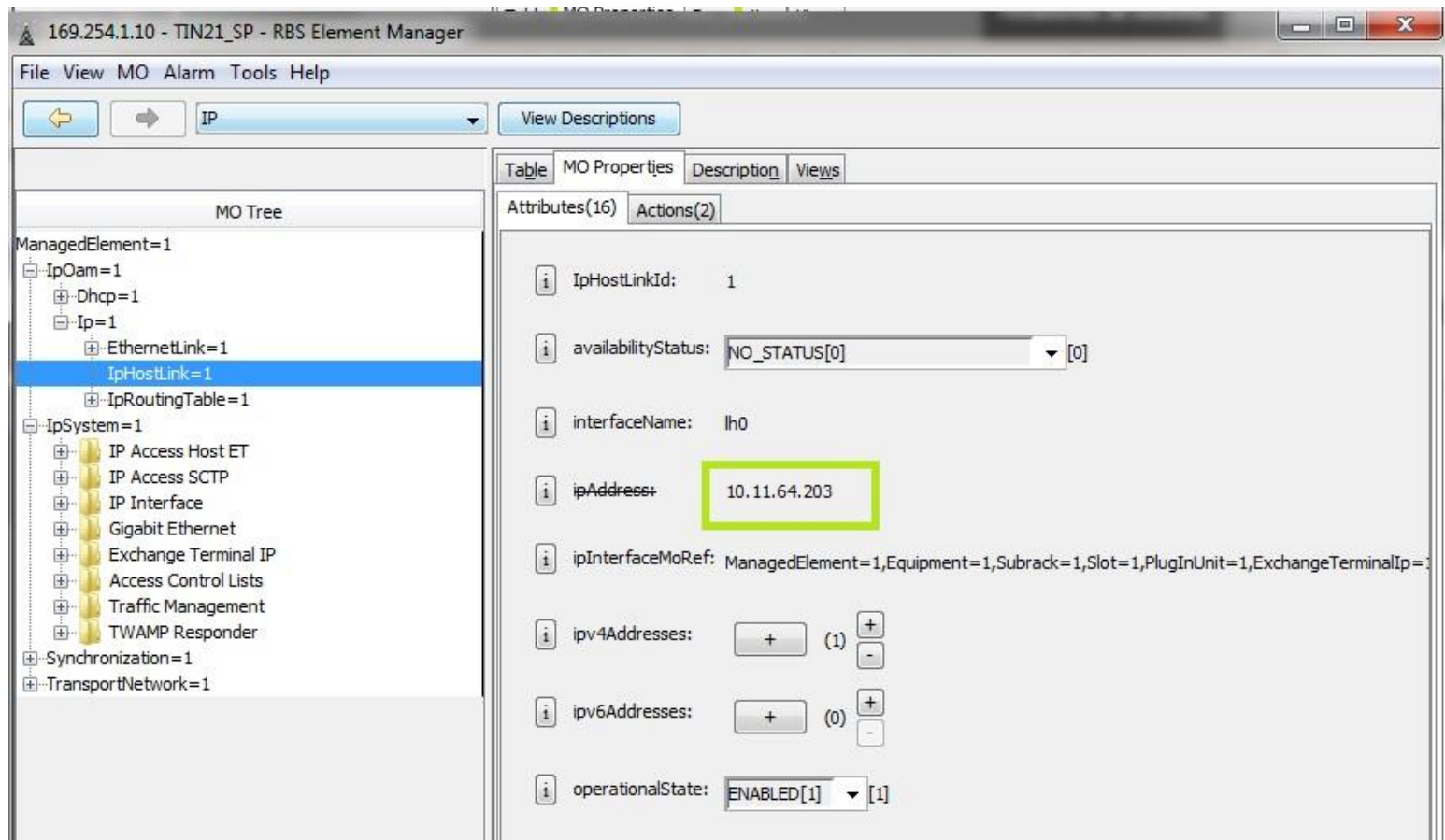
ManagedElement=1,IpOam=1,Ip=1,IpHostLink=1 ➡ MO Properties ➡ Actions



DUW-DUS-6000

Troca IP de gerência.

Após o Execute a Node irá perder a conexão e voltará com o IpHostlink alterado.



DUW-DUS-6000

Troca IP de gerência.
Criando StaticRoute;

The screenshot shows the RBS Element Manager interface for the IP configuration of a managed element. The left pane displays the MO Tree with the following structure:

- ManagedElement=1
 - IpOam=1
 - Dhcp=1
 - Ip=1
 - EthernetLink=1
 - InHostLink=1
 - IpRoutingTable=1**
 - IpSystem=1
 - IP Access Host ET
 - IP Access SCTP
 - IP Interface
 - Gigabit Ethernet
 - Exchange Terminal IP
 - Access Control Lists
 - Traffic Management
 - TWAMP Responder
 - Synchronization=1
 - TransportNetwork=1

The right pane shows the configuration for the selected MO, **IpRoutingTable=1**. The **Attributes(4)** tab is active, displaying the following attributes:

- IpRoutingTableId:** 1
- indexOfDeletableStaticRoutes:** + (2)
- staticRoutes:** - +

The **staticRoutes** attribute is expanded, showing the configuration for the first static route (index 0):

- indexOfStaticRoute:** 2
- ipAddress:** 0.0.0.0
- networkMask:** 0.0.0.0
- nextHopIpAddr:** 10.37.254.1
- redistribute:** false
- routeMetric:** 16

A red annotation points to the **+** button in the **staticRoutes** list, stating: **Clicar no botão + abrirá um novo campo de staticRoute.**

DUW-DUS-6000

Troca IP de gerência.
Criando StaticRoute;

169.254.1.10 - TIN21_SP - RBS Element Manager

File View MO Alarm Tools Help

MO Tree

- ManagedElement=1
 - IpOam=1
 - Dhcp=1
 - Ip=1
 - EthernetLink=1
 - IpHostLink=1
 - IpRoutingTable=1
 - IpSystem=1
 - IP Access Host ET
 - IP Access SCTP
 - IP Interface
 - Gigabit Ethernet
 - Exchange Terminal IP
 - Access Control Lists
 - Traffic Management
 - TWAMP Responder
 - Synchronization=1
 - TransportNetwork=1

Attributes(4) Actions(6)

IpRoutingTableId: 1

indexOfDeletableStaticRoutes: + (2)

staticRoutes:

0: + (6)

1: -

indexOfStaticRoute: 3 Value is not defined

ipAddress: 0.0.0.0 Value is not defined

networkMask: 0.0.0.0 Value is not defined

nextHopIpAddr: 10.11.64.201 IP Gateway Value is not defined

redistribute: false [null] Value out of range. Displaying arbitrary value!

routeMetric: 16 Value is not defined

userLabel:

Apply Refresh MO Help Help

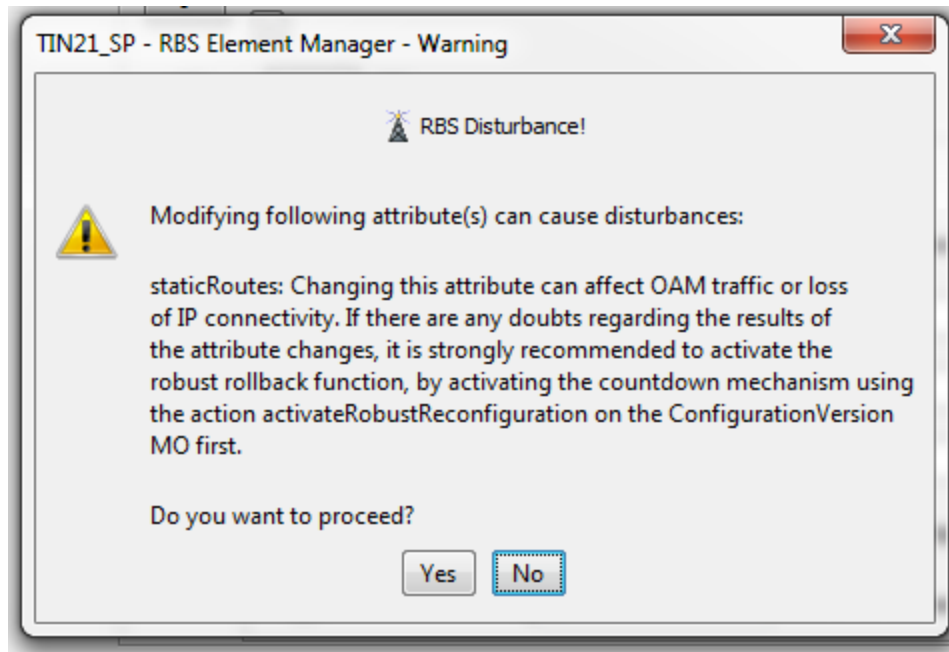
Utilizar um numero acima do que já está presente

DUW-DUS-6000

Troca IP de gerência.

Criando StaticRoute;

Após confirmar "YES" a conexão terminara e será necessário conectar novamente.

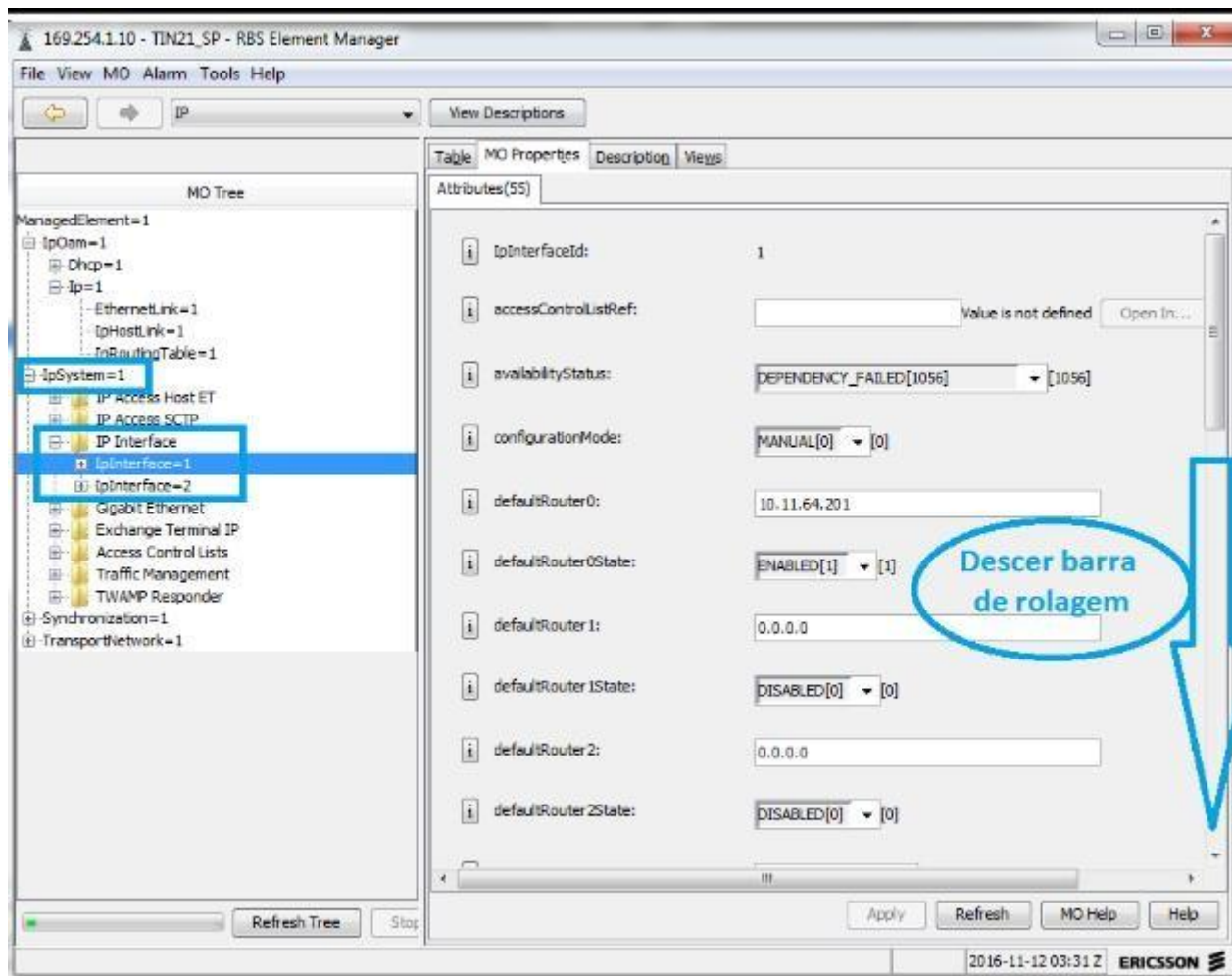


DUW-DUS-6000

Troca IP de gerência.

Alterando Vlan;

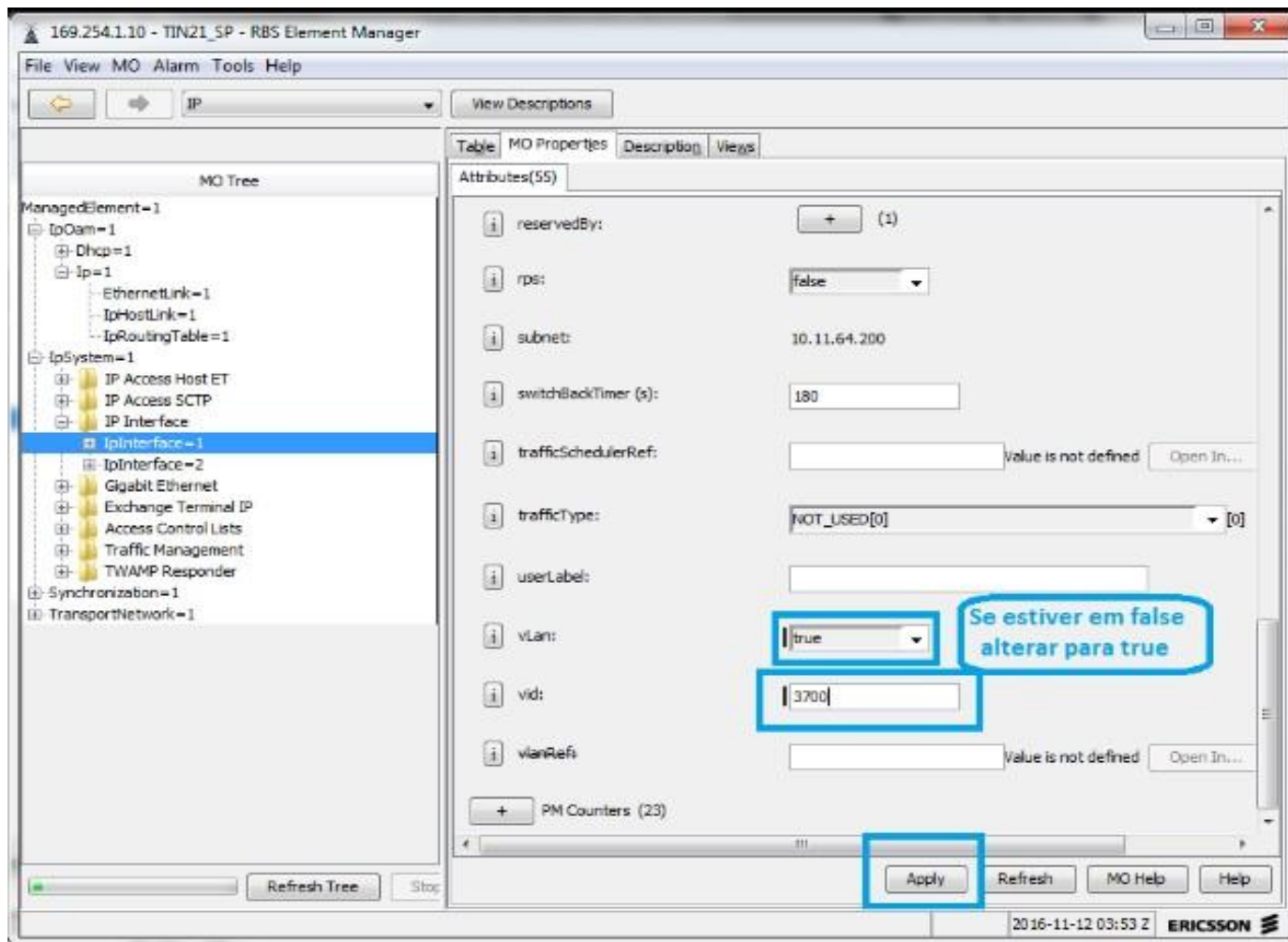
Com a informação de qual IPinterface o Hostlink esta associado selecione o mesmo para alterar a Vlan.



DUW-DUS-6000

Troca IP de gerência.

Alterando Vlan;



DUW-DUS-6000

Troca IP de gerência.

Criando CV para salvar as alterações;

The screenshot displays the RBS Element Manager interface. The 'Upgrade and Backup' menu item is highlighted in the top toolbar. The 'CV' (Configuration Version) table is visible, showing a list of configuration versions. The table has columns for name, id, role, date, type, operation, and status. The table is currently empty, indicating no configuration versions are present.

name	id...	... Rol...	date	type	op...	op...	up...
------	-------	------------	------	------	-------	-------	-------

DUW-DUS-6000

Troca IP de gerência.

Criando CV para salvar as alterações;

169.254.1.10 - TIN21_SP - RBS Element Manager - ConfigurationVersion=1 Properties

i LDN: ManagedElement=1,SwManagement=1,ConfigurationVersion=1 Open In...

Actions(1)

i Actions: create

i configurationVersionName: Alter_IP_OeM

i identity: OeM

i type: STANDARD[0]

i operatorName: André **EXEMPLO**

i comment: Test

Result:

Execute Close MO Help Help

DUW-DUS-6000

Troca IP de gerência.

Criando CV para salvar as alterações;

169.254.1.10 - TIN21_SP - RBS Element Manager

File View MO Alarm Tools Help

Upgrade and Backup View Descriptions

MO Tree

ManagedElement=1

- SwManagement=1
 - All Upgrade Packages
 - UpgradePackage=CXP102051/23_R3
 - UpgradePackage=CXP102051/25_R2
 - Active UP
 - ConfigurationVersion=1
 - UpgradeTrace=1

Table MO Properties Description Views CV

name	i...	... R...	d...	t...	o...	o...	u...
Activity_10102016_Post	o...	e...	n...	...
Activity_10102016_Pre	...	10	...	o...	e...	n...	...
activity_181016_post	...		T...	o...	e...	n...	...
activity_181016_precheck	...	6	T...	o...	e...	n...	...
activity_211016_post	...		F...	o...	e...	n...	...
activity_211016_precheck	...		F...	o...	e...	n...	...
Activity_26092016_Post	o...	e...	n...	...
Activity_26092016_Pre	...	14	...	o...	e...	n...	...
activity_280916_post	o...	e...	n...	...
activity_280916_pre	...	13	...	o...	e...	n...	...
Alter_IP_OeM	S...	s...	...	T...	...
Au_CXP102051%23_R3FU_161011_0400	1	8	T...	a...	...	D...	...
Au_CXP102051%25_R20EV_161112_0400	1	.	S...	a...	...	D...	...
before_load_lkf_160803_0520	o...	e...	n...	...
Before_SW_Install_L16B	...	7	...	o...	e...	B...	...
Before_SW_Upgrade_L16B	...	5	F...	o...	e...	B...	...
CV_After_Upgrade_L15B	...	15	F...	o...	e...	C...	...

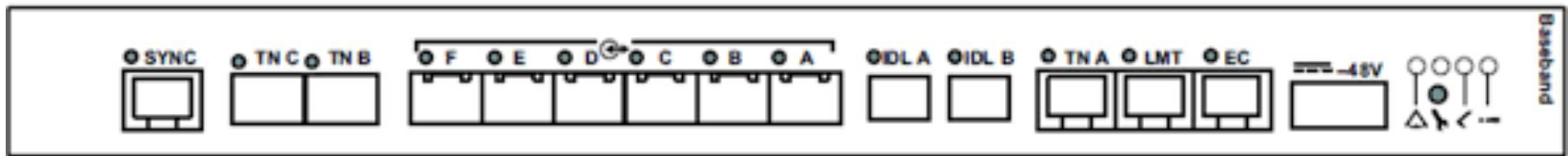
Refresh Tree

Get from FTP... Create CV... Refresh

2016-11-12 04:08 Z ERICSSON

Execute o Refresh para que o CV apareça na lista

Base Band



TROCA DE IP

ALTERAÇÃO DE VLAN

TROCA DE IP

Com os IP's fornecidos pelo Suporte, deve-se seguir os seguintes passos, exemplo:

Trocaremos a rede de :

IP BaseBand 10.84.239.204 /29

IP Gateway 10.84.239.201

Para:

IP BaseBand 10.32.138.14 /29

IP Gateway 10.32.138.11

Base Band

TROCA DE IP

Comandos:

get InterfaceIPv4=1,AddressIPv4=1 (Mostra o IP da Base Band)

get RouteTableIPv4Static=1,Dst=1,NextHop=1 (Mostra o IP de Gateway)

```

TSNV1_BA> get InterfaceIPv4=1,AddressIPv4=1
190327-01:34:33 169.254.2.2 17.0g MSRBS_NODE_MODEL_17.Q1_309.32786.55_f84b stopfile=/tmp/6436
=====
10319                                Transport=1,Router=LTE,InterfaceIPv4=1,AddressIPv4=1
=====
address                             10.84.239.204/29
addressIPv4Id                        1
configurationMode                    0 (MANUAL)
dhcpClientIdentifier                 0 (AUTOMATIC)
dhcpClientIdentifierType              0 (AUTOMATIC)
reservedBy                           [6] =
>>> reservedBy = SystemFunctions=1,SysM=1,OamAccessPoint=1
>>> reservedBy = Transport=1,Ntp=1,NtpFrequencySync=1
>>> reservedBy = Transport=1,Ntp=1,NtpFrequencySync=2
>>> reservedBy = Transport=1,SctpEndpoint=1
>>> reservedBy = ENodeBFunction=1
>>> reservedBy = Transport=1,Router=LTE,TwampResponder=1
usedAddress                          10.84.239.204/29
userLabel
=====
Total: 1 M0s

TSNV1_BA> get RouteTableIPv4Static=1,Dst=1,NextHop=1
190327-01:35:19 169.254.2.2 17.0g MSRBS_NODE_MODEL_17.Q1_309.32786.55_f84b stopfile=/tmp/6436
=====
10322                                Transport=1,Router=LTE,RouteTableIPv4Static=1,Dst=1,NextHop=1
=====
address                             10.84.239.201
adminDistance                        10
bfdMonitoring                        true
discard                             false
nextHopId                            1
reference
=====

```

Comandos:

set RouteTableIPv4Static=1,Dst=1,NextHop=1 address 10.32.138.14 (Altera IP Gateway)

```
TSNV1_BA> set InterfaceIPv4=1,AddressIPv4=1 address 10.32.138.14/29
190327-02:07:24 169.254.2.2 17.0g MSRBS_NODE_MODEL_17.Q1_309.32786.55_f84b stopfile=/tmp/6436
Set address on following 1 MOs ?
=====
10319  Transport=1,Router=LTE,InterfaceIPv4=1,AddressIPv4=1
=====
Set address on 1 MOs. Are you Sure [y/n] ? y
=====


| Id    | MO                                       | address         | Result   |
|-------|------------------------------------------|-----------------|----------|
| 10319 | Router=LTE,InterfaceIPv4=1,AddressIPv4=1 | 10.32.138.14/29 | >>> Set. |


=====
Total: 1 MOs attempted, 1 MOs set
```

```
TSNV1_BA> set RouteTableIPv4Static=1,Dst=1,NextHop=1 address 10.32.138.11
190327-02:08:04 169.254.2.2 17.0g MSRBS_NODE_MODEL_17.Q1_309.32786.55_f84b stopfile=/tmp/6436
Set address on following 1 MOs ?
=====
10322  Transport=1,Router=LTE,RouteTableIPv4Static=1,Dst=1,NextHop=1
=====
Set address on 1 MOs. Are you Sure [y/n] ? y
=====


| Id    | MO                                                | address      | Result   |
|-------|---------------------------------------------------|--------------|----------|
| 10322 | Router=LTE,RouteTableIPv4Static=1,Dst=1,NextHop=1 | 10.32.138.11 | >>> Set. |


=====
Total: 1 MOs attempted, 1 MOs set
```


TROCA DE IP

IP's alterados:

```
TSNV1_BA> get InterfaceIPv4=1,AddressIPv4=1

190327-02:13:22 169.254.2.2 17.0g MSRB5_NODE_MODEL_17.Q1_309.32786.55_f84b stopfile=/tmp/6436

$ssh_pid = 5656

Connected to 169.254.2.2 (SubNetwork=ONRM_ROOT_MO_R,SubNetwork=BATCS-GPRHUA-SGS02,MeContext=TSNV1_BA,ManagedElement=)
=====
10319                                Transport=1,Router=LTE,InterfaceIPv4=1,AddressIPv4=1
=====
address                             10.32.138.14/29
addressIPv4Id                        1
configurationMode                    0 (MANUAL)
dhcpClientIdentifier                 0 (AUTOMATIC)
dhcpClientIdentifierType              [6] =
reservedBy                           >>> reservedBy = SystemFunctions=1,SysM=1,DamAccessPoint=1
>>> reservedBy = Transport=1,Ntp=1,NtpFrequencySync=1
>>> reservedBy = Transport=1,Ntp=1,NtpFrequencySync=2
>>> reservedBy = Transport=1,SctpEndpoint=1
>>> reservedBy = ENodeBFunction=1
>>> reservedBy = Transport=1,Router=LTE,TwampResponder=1
usedAddress                          10.32.138.14/29
userLabel
=====
Total: 1 MOS

TSNV1_BA> get RouteTableIPv4Static=1,Dst=1,NextHop=1

190327-02:13:34 169.254.2.2 17.0g MSRB5_NODE_MODEL_17.Q1_309.32786.55_f84b stopfile=/tmp/6436

10322                                Transport=1,Router=LTE,RouteTableIPv4Static=1,Dst=1,NextHop=1
=====
address                             10.32.138.11
adminDistance                        10
bfdMonitoring                         true
discard                              false
nextHopId                            1
```


Base Band

TROCA DE IP

Alterando Vlan.

Comandos:

get Transport=1,VlanPort (Mostra a Vlan que esta configurada)

```
TSNV1_BA> get Transport=1,VlanPort
190327-02:17:53 169.254.2.2 17.0g MSRB5_NODE_MODEL_17.Q1_309.32786.55.
$ssh_pid = 6740
Connected to 169.254.2.2 (SubNetwork=ONRM_ROOT_MO_R,SubNetwork=BATCS-
=====
10331                      Transport=1,VlanPort=1505
=====
egressQosClassification
egressQosMarking
egressQosQueueMap
encapsulation             EthernetPort=TN_A
ingressQosMarking         [0] =
isTagged                  true
lowLatencySwitching       false
reservedBy                [1] =
>>> reservedBy = Transport=1,Router=LTE,InterfaceIPv4=1
userLabel
vlanId                     1505
VlanPortId                1505
=====
Total: 1 MOS
```

Obs:
Vlanportid é apenas o
nome do MO e não pode
ser alterada.

Base Band

TROCA DE IP

Alterando Vlan.

Comandos:

set Transport=1,VlanPort=1505 vlanId 1699

(Altera a Vlan)

```
TSNV1_BA> set Transport=1,VlanPort=1505 vlanId 1699
190327-02:21:00 169.254.2.2 17.0g MSRBS_NODE_MODEL_17.Q1_309.32786.55_f84b stopfile=/tmp/6436
$ssh_pid = 3420
Connected to 169.254.2.2 (SubNetwork=ONRM_ROOT_MO_R,SubNetwork=BATCS-GPRHUA-SGS02,MeContext=TSNV1_BA,ManagedElement=)
Set vlanId on following 1 MOs ?
=====
10331  Transport=1,VlanPort=1505
=====
Set vlanId on 1 MOs. Are you Sure [y/n] ? y
=====
=====
Id  MO                                     vlanId  Result
=====
$netconf_pid = 5184
10331  VlanPort=1505                             1699      >>> Set.
=====
Total: 1 MOs attempted, 1 MOs set
```

```
TSNV1_BA> get Transport=1,VlanPort
190327-02:33:45 169.254.2.2 17.0g MSRBS_NODE_MODEL_17.Q1_309.32786.55_f84b stopfile=/tmp/6436
$ssh_pid = 6984
Connected to 169.254.2.2 (SubNetwork=ONRM_ROOT_MO_R,SubNetwork=BATCS-GPRHUA-SGS02,MeContext=TSNV1_BA,ManagedElement=)
=====
10331                                     Transport=1,VlanPort=1505
=====
=====
egressQosClassification
egressQosMarking
egressQosQueueMap
encapsulation      EthernetPort=TN_A
ingressQosMarking  [0] =
isTagged            true
lowLatencySwitching false
reservedBy          [1] =
>>> reservedBy = Transport=1,Router=LTE,InterfaceIPv4=1
userLabel
vlanId              1699
vlanPortId          1505
=====
Total: 1 MOs
```

VLAN ALTERADA

PROCEDIMIENTOS BÁSICOS DE O&M

SIU, DUW-DUS-6000, BASE BAND

Elaboração

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tudo



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