TERMO DE ACEITE TÉCNICO

Solicitante: ATI - Agência de Tecnologia da Informação do Estado do Piauí

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Orgão: SEDUC	Unidade: SEDUC – São Gonçalo do Gurguéia	Data Instalação 23/10/2018	Data Ativação 23/10/2018
Operadora Global Eagle	**VSAT-ID** ATI-ES-0178 -IND	**Porta kbps** 4096/512	**Tipo** Indoor

Piauí, 23 de Outubro de 2018

1 – Local da Instalação

```
2 – Configurações do Modem
# device show
System Information:
   Name             : ATI-ES-0178-IND
   Location         : São Gonçalo do Gurgueia - PI
   Contact          :
   System Up time   : 0 days, 08:46:56
   CPU Load         : 47%
   System time(UTC) : 23 October 2018 13:52:17
   Broadcast Message : not set


HW:
   Model            : SatLink 2000
   HW ID            : 120033
   Main board ID    : 120026 R6.2


MAC addresses:
   LAN              : 00:20:0e:10:88:05
   Satellite (DVB)  : 00:20:0e:10:88:05


# dvb tx show

Satellite (DVB) TX Configuration
--------------------------------
Auto start          : Enabled
BUPC status         : Disabled
IDU Output Power    : -18 dBm
IDU Max Output Power: 0.0 dBm
Default CW Frequency: 0.000000 GHz
ATM mode            : VC-Mux
Header Compression  : None




Satellite (DVB) Transmitter Status
--------------------------------
State           : On   (DVB-RCS2)
IDU Output Power    : -17.8 dBm
Es/No           : 13.0 dB
Header Compression  : Disabled
Timing correction   : -277 us (251505 us)
Frequency correction: 350 Hz
# dvb rx show


Satellite (DVB) RX Configuration
--------------------------------
Auto start          : Enabled
Max Signalling MODCOD : 23   16APSK-9/10
Max Traffic MODCOD    : 28   32APSK-9/10
RX watchdog          : 15 minute


Idx  Pri  SymbRate[Msps] Freq[GHz] Mode   PopId  SatId  Pos  SatName      Name       Enable
* 0  0    25.000000      11.628079 DVB-S2 105      0    0.0 E                         Yes

Satellite (DVB) Receiver Status
-------------------------------
```
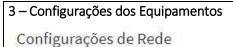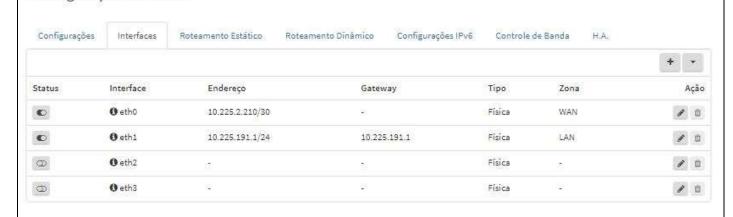
```
Rx State        : On
DVB State       : Forward link up
Network         : 1326,  ATI-PI
Frequency       : 11.628175 GHz
Symbol Rate     : 25.000198 Msps
S2 ModCod
   - receiving  : 16   8PSK-8/9
   - current max : 16   8PSK-8/9
Pilot           : On
Frame length    : Short
DVB S2 Mode     : ACM
DVB S2 Stream type  : MPEG-TS
Roll off        : 0.25
SNR             : 13.7 dB
Input Power     : -38 dBm
# arp show


  NetAddr       State  MacAddr          If
  10.225.2.210  Dynamic 00:90:27:ef:6e:84   1
# ip show
Interfaces
If    IPAddress      SubnetMask    BroadCastAddr  MTU        Alias   AdminStatus
1   10.225.2.209 255.255.255.252    10.225.2.211  1500          eth0    1
3  172.18.192.199 255.255.255.255        N/A  1540          dvb0    1
4       N/A          N/A          N/A  1500          air0    1


DNS Client Configuration
 Primary DNS Server: 209.244.0.3, Secondary DNS Server: 209.244.0.4


Interface Statistics
  -------------- Input ----------------- ------------- Output ----------------
If   UCast  NUCast   Disc    Octets   UCast  NUCast    Disc    Octets
1   35735     6      33    5870832   47625    258      0    36993698
3   42340     0       0   37981155   22516     0       0    4808695
4     0       0       0       0        0       0       0        0
IP  Receive Deliver  Errors InDiscards  Forward  Request  NoRoute  OutDiscards
    77518     276      0        0       69827     707       0         35


Interface Directed Routing Table
 In If  Out If




   ---------------IP LAC Statistics----------------
  RPF     Src eq dest    RPF HitCount    SrceqdestHitCount    MfcHitCount (-1/drop classified)
Disabled    Enabled         0              0                0


Routing Table
    DestMask        RouteMask        NextHop  If  RtType  Row-Status
    0.0.0.0        0.0.0.0         0.0.0.0  3  STATIC  ACTIVE
  10.225.2.208  255.255.255.252        0.0.0.0  1  LOCAL  ACTIVE
  10.225.190.0   255.255.255.0   10.225.2.210  1  STATIC  ACTIVE
 172.18.192.199 255.255.255.255        0.0.0.0  3  LOCAL  ACTIVE
#
```

3 – Configurações dos Equipamentos

Configurações de Rede

Configurações	Interfaces	Roteamento Estático	Roteamento Dinâmico	Configurações IPv6	Controle de Banda	H.A.

Status	Interface	Endereço	Gateway	Tipo	Zona	Ação
◯	ⓘ eth0	10.225.2.210/30	-	Física	WAN	✎ 🗑
◯	ⓘ eth1	10.225.191.1/24	10.225.191.1	Física	LAN	✎ 🗑
◯	ⓘ eth2	-	-	Física	-	✎ 🗑
◯	ⓘ eth3	-	-	Física	-	✎ 🗑

```
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.2.210  netmask 255.255.255.252  broadcast 10.225.2.211
        ether 00:90:27:f0:89:a8  txqueuelen 10000  (Ethernet)
        RX packets 1104  bytes 287568 (280.8 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 1085  bytes 157656 (153.9 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
        device interrupt 16  memory 0xfe8e0000-fe900000

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.191.1  netmask 255.255.255.0  broadcast 10.225.191.255
        ether 00:90:27:f0:89:a9  txqueuelen 10000  (Ethernet)
        RX packets 5651  bytes 903094 (881.9 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 7299  bytes 7416333 (7.0 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
        device interrupt 17  memory 0xfe9e0000-fea00000
```

4 – Teste de Velocidade -Download/Upload