TERMO DE ACEITE TÉCNICO

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

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Orgão: ATI - Agência de Tecnologia da Informação	**Data Instalação** 27/11/2018	**Data Ativação** 27/11/2018
Unidade: Povoado Recreio	**Município:** Pio IX - PI	**Coordenadas**: 5°8'25.00"S - 42°47'10.00"W

Operadora Global Eagle	**VSAT-ID** ATI-PU-0201-OUT	**Porta kbps** 1024/256	**Tipo** Outdoor

Piauí, 27 de Novembro de 2018

1 – Local da Instalação

2 – Configurações do Modem

```
# device show
System Information:
    Name              : ATI-PU-0201-OUT
    Location          : Pio IX- PI
    Contact           :
    System Up time    : 0 days, 00:03:17
    CPU Load          : 63%
    System time(UTC)  : 27 November 2018 13:08:18
    Broadcast Message : not set


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


MAC addresses:
    LAN               : 00:20:0e:10:9b:0c
    Satellite (DVB)   : 00:20:0e:10:9b:0c


# dvb tx show


Satellite (DVB) TX Configuration
-------------------------------
Auto start          : Enabled
BUPC status         : Disabled
IDU Output Power    : -19 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    : -18.8 dBm
Es/No               : 12.0 dB
Header Compression  : Disabled
Timing correction   : -283 us (249429 us)
Frequency correction: 210 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       : 11.628138 GHz
Symbol Rate     : 24.999956 Msps
S2 ModCod
    - receiving   : 1   QPSK-1/4
    - current max : 21   16APSK-5/6
Pilot           : On
Frame length      : Short
DVB S2 Mode       : ACM
DVB S2 Stream type  : MPEG-TS
Roll off         : 0.25
SNR              : 15.5 dB
Input Power       : -33 dBm
# arp show


  NetAddr      State  MacAddr         If
   10.225.3.46  Dynamic 00:90:27:f0:8c:88   1
# ip show
Interfaces
If     IPAddress     SubnetMask  BroadCastAddr  MTU        Alias   AdminStatus
1    10.225.3.45 255.255.255.252    10.225.3.47 1500          eth0   1
3   172.18.193.46 255.255.255.255        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    4137     6      0   2002879   5607     6      0   4685224
3    5229     0      2   4664577   2870     0      0   1887579
4     0       0      0      0       0       0      0       0
IP  Receive  Deliver   Errors InDiscards  Forward  Request  NoRoute OutDiscards
     9366     161      0       0    8511    209      0       3


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
   10.225.3.44  255.255.255.252        0.0.0.0  1  LOCAL  ACTIVE
   10.225.213.0   255.255.255.0   10.225.3.46  1  STATIC  ACTIVE
  172.18.193.46  255.255.255.255        0.0.0.0  3  LOCAL  ACTIVE
#
```

3 – Configurações dos Equipamentos

```
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.3.46  netmask 255.255.255.252  broadcast 10.225.3.47
        ether 00:90:27:f0:8c:88  txqueuelen 10000  (Ethernet)
        RX packets 30714  bytes 29594540 (28.2 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 21881  bytes 9541183 (9.0 MiB)
        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 10.225.213.1  netmask 255.255.255.0  broadcast 10.225.213.255
        ether 00:90:27:f0:8c:89  txqueuelen 10000  (Ethernet)
        RX packets 22041  bytes 9558542 (9.1 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 30353  bytes 29540196 (28.1 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
        device interrupt 17  memory 0xfe9e0000-fea00000
```

4 – Teste de Velocidade -Download/Upload