

# TERMO DE ACEITE TÉCNICO

**Solicitante:** VIVO- Projeto Escolas Rurais

**NOC/Operador:** Allan Santos

**Cliente:** VIVO

**Empresa**  
EMC Brasil

**VSAT-ID**  
VIVO-PER-31206164-MG

**Link kbps**  
256k/128k

**Plataforma**  
VSAT

```
cmd - Atalho
Microsoft Windows [versão 6.1.7601]
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C:\Windows\System32>tracert 8.8.8.8

Rastreando a rota para google-public-dns-a.google.com [8.8.8.8]
com no máximo 30 saltos:

 1  2268 ms    <1 ms    <1 ms    10.29.11.209
 2   762 ms   1488 ms   3616 ms   10.10.11.2
 3  1379 ms   1533 ms   1638 ms   10.10.11.191
 4  1093 ms   1691 ms   1460 ms   10.10.12.2
 5   815 ms    572 ms    735 ms   200.143.6.130
 6  1510 ms   1903 ms   2139 ms   h200-215-188-137.ipb.diveo.net.br [200.215.188.1
371
 7  3693 ms   3483 ms   2982 ms   200-147-28-145.static.uol.com.br [200.147.28.145
]
 8      *     1500 ms    868 ms   200-147-28-186.static.uol.com.br [200.147.28.186
]
 9   690 ms   1085 ms   1594 ms   50.252.40.189.isp.timbrasil.com.br [189.40.252.5
0]
10   864 ms   1876 ms   1433 ms   72.14.194.55
11   680 ms      *      876 ms   216.239.54.17
12   918 ms    544 ms    585 ms   216.239.56.59
13   525 ms    701 ms   1078 ms   google-public-dns-a.google.com [8.8.8.8]

Rastreamento concluído.

C:\Windows\System32>ping 8.8.8.8 -t

Disparando 8.8.8.8 com 32 bytes de dados:
Resposta de 8.8.8.8: bytes=32 tempo=922ms TTL=51
Resposta de 8.8.8.8: bytes=32 tempo=595ms TTL=51
Resposta de 8.8.8.8: bytes=32 tempo=1922ms TTL=51
Resposta de 8.8.8.8: bytes=32 tempo=724ms TTL=51
Resposta de 8.8.8.8: bytes=32 tempo=777ms TTL=51
Resposta de 8.8.8.8: bytes=32 tempo=1541ms TTL=51
Resposta de 8.8.8.8: bytes=32 tempo=804ms TTL=51
Resposta de 8.8.8.8: bytes=32 tempo=1137ms TTL=51
Resposta de 8.8.8.8: bytes=32 tempo=992ms TTL=51
Resposta de 8.8.8.8: bytes=32 tempo=941ms TTL=51
Resposta de 8.8.8.8: bytes=32 tempo=572ms TTL=51

Estatísticas do Ping para 8.8.8.8:
    Pacotes: Enviados = 11, Recebidos = 11, Perdidos = 0 (0% de
    perda),
    Aproximar um número redondo de vezes em milissegundos:
    Mínimo = 572ms, Máximo = 1922ms, Média = 993ms
Control-C
^C
C:\Windows\System32> VIVO-PER-31026164-MG E.M SÃO JORGE ITAMARANDIBA MG 05/11/2
015
```

Login: root  
Password: 1Sat2vsat

SatLink 2000

- Main board ID 120026, Revision R6.2
- SW ID 120208, Revision 14.1.3 Build 75

#  
# arp show

NetAddr	State	MacAddr	If
10.29.11.210	Dynamic	00:26:55:6c:b1:ac	1

#  
# device show

System Information:

Name : VIVO-PER-31206164-MG  
Location : Itamarandiba - MG  
Contact :  
System Up time : 0 days, 00:54:46  
CPU Load : 13%  
System time(UTC) : 05 November 2015 14:38:01  
Broadcast Message : not set

HW:

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

MAC addresses:

Ethernet (LAN) : 00:20:0e:10:5c:64  
Satellite (DVB) : 00:20:0e:10:5c:64

# arp show

NetAddr	State	MacAddr	If
10.29.11.210	Dynamic	00:26:55:6c:b1:ac	1

#

# dvb tx show

Satellite (DVB) TX Configuration

-----  
Auto start : Enabled  
IDU Output Power : -30 dBm  
IDU Max Output Power: 0.0 dBm  
ODU Output Power : 34.7 dBm  
EIRP : 48.0 dBW  
Default CW Frequency: 0.000000 GHz  
ATM mode : VC-Mux  
Header Compression : None

Satellite (DVB) Transmitter Status

-----  
State : On (TDMA)  
IDU Output Power : -23.0 dBm  
ODU Output Power : 33.4 dBm  
EIRP : 46.7 dBW

Eb/No : 14.0 dB  
Header Compression : Disabled  
Timing correction : -149 us (261587 us)  
Frequency correction: -300 Hz  
# dvb rx show

#### Satellite (DVB) RX Configuration

-----  
Auto start : Enabled  
Max MODCOD : 23 16APSK-9/10 (SNR threshold: 23.5 dB)  
RX watchdog : 15 minute

Idx	Pri	SymbRate[Msp/s]	Freq[GHz]	Mode	PopId	Enable
* 0	0	9.320000	12.055825	DVB-S2	4	Yes

#### Satellite (DVB) Receiver Status

-----  
Rx State : On  
DVB State : Forward link up  
Network : 1326, GlobalIP@Telstar-14R  
Frequency : 12.055946 GHz  
Symbol Rate : 9.320062 Msp/s  
S2 ModCod  
- receiving : 14 8PSK-3/4  
- current max : 23 16APSK-9/10  
Pilot : On  
Frame length : Short  
DVB S2 Mode : ACM  
Roll off : 0.25  
SNR : 14.0 dB  
Input Power : -21 dBm  
#

IP DVB 10.50.0.199/32

Ping desde o MGMT- Server ao IP de trafego e para o DVB.

Ping desde dentro da VSAT 8.8.8.8

# ping 8.8.8.8  
64 bytes from 8.8.8.8: time=840 ms  
64 bytes from 8.8.8.8: time=610 ms  
64 bytes from 8.8.8.8: time=720 ms  
64 bytes from 8.8.8.8: time=600 ms  
64 bytes from 8.8.8.8: time=840 ms  
  
--- 8.8.8.8 ping statistics ---  
5 packets transmitted, 5 received, 0.00 percent packet loss  
rtt min/avg/max = 600/720/840 ms  
#