TERMO DE ACEITE TÉCNICO

EMC — EMERGING MARKETS COMMUNICATIONS

Solicitante: VIVO- Projeto Escolas Rurais
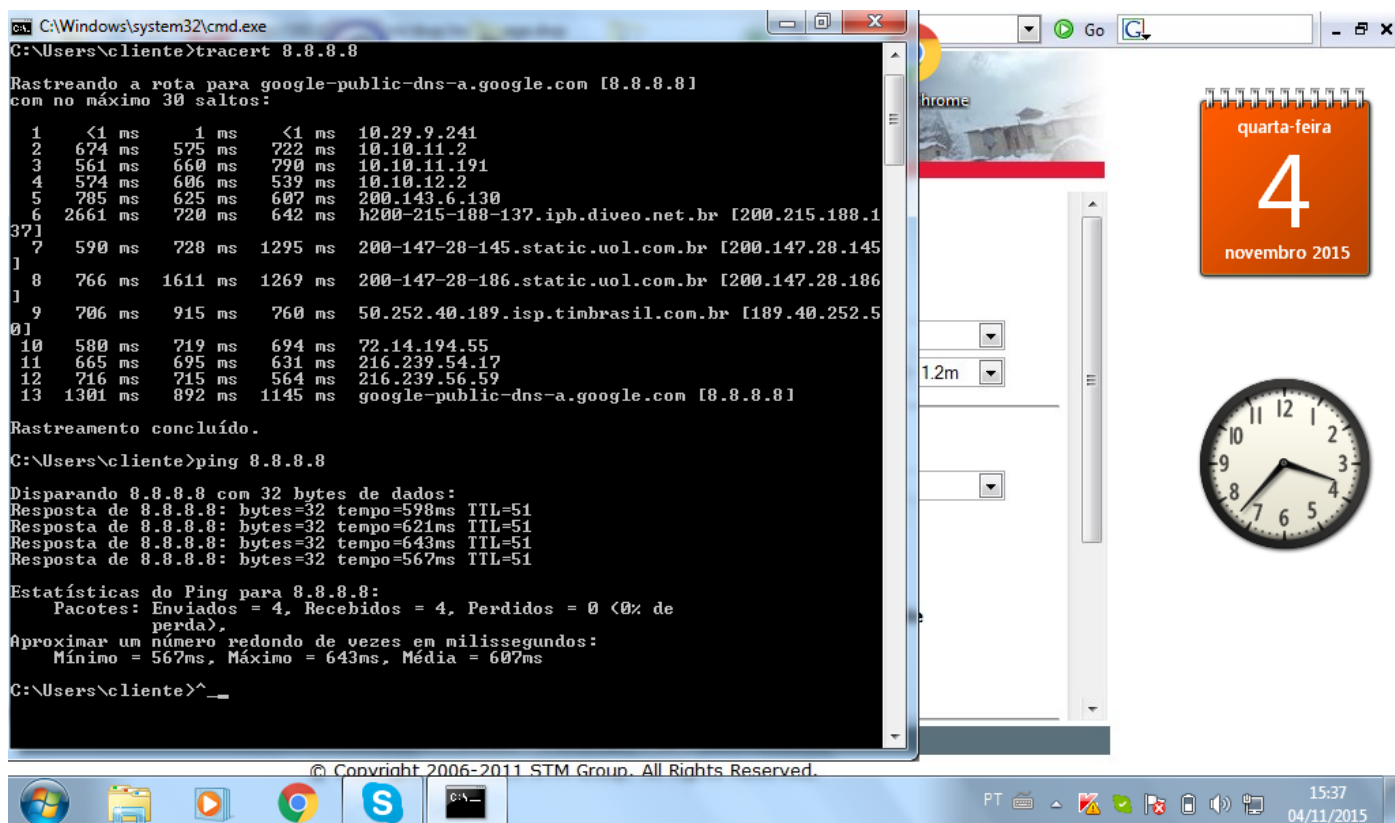
NOC/Operador: Rogerio Momi Frias

Cliente: VIVO

Empresa EMC Brasil	**VSAT-ID** VIVO-PER-23036486-CE	**Link kbps** 256/128	**Plataforma** VSAT

```
C:\Windows\system32\cmd.exe

C:\Users\cliente>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    <1 ms     1 ms    <1 ms  10.29.9.241
  2   674 ms    575 ms    722 ms  10.10.11.2
  3   561 ms    660 ms    790 ms  10.10.11.191
  4   574 ms    606 ms    539 ms  10.10.12.2
  5   785 ms    625 ms    607 ms  200.143.6.130
  6  2661 ms    720 ms    642 ms  h200-215-188-137.ipb.diveo.net.br [200.215.188.1
37]
  7   590 ms    728 ms   1295 ms  200-147-28-145.static.uol.com.br [200.147.28.145
]
  8   766 ms   1611 ms   1269 ms  200-147-28-186.static.uol.com.br [200.147.28.186
]
  9   706 ms    915 ms    760 ms  50.252.40.189.isp.timbrasil.com.br [189.40.252.5
0]
 10   580 ms    719 ms    694 ms  72.14.194.55
 11   665 ms    695 ms    631 ms  216.239.54.17
 12   716 ms    715 ms    564 ms  216.239.56.59
 13  1301 ms    892 ms   1145 ms  google-public-dns-a.google.com [8.8.8.8]

Rastreamento concluído.

C:\Users\cliente>ping 8.8.8.8

Disparando 8.8.8.8 com 32 bytes de dados:
Resposta de 8.8.8.8: bytes=32 tempo=598ms TTL=51
Resposta de 8.8.8.8: bytes=32 tempo=621ms TTL=51
Resposta de 8.8.8.8: bytes=32 tempo=643ms TTL=51
Resposta de 8.8.8.8: bytes=32 tempo=567ms TTL=51

Estatísticas do Ping para 8.8.8.8:
    Pacotes: Enviados = 4, Recebidos = 4, Perdidos = 0 (0% de
             perda),
Aproximar um número redondo de vezes em milissegundos:
    Mínimo = 567ms, Máximo = 643ms, Média = 607ms

C:\Users\cliente>^_
```

quarta-feira
4
novembro 2015

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15:37
04/11/2015

arp show

```
  NetAddr       State   MacAddr           If
  10.29.9.242   Dynamic 70:5a:b6:0d:1c:6a   1
# ping 10.29.9.242
64 bytes from 10.29.9.242: time=10 ms
64 bytes from 10.29.9.242: time=20 ms
64 bytes from 10.29.9.242: time=10 ms
64 bytes from 10.29.9.242: time=10 ms
64 bytes from 10.29.9.242: time=10 ms

--- 10.29.9.242 ping statistics ---
5 packets transmitted, 5 received,  0.00 percent packet loss
rtt min/avg/max = 10/10/20 ms
```

```
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[Msps]  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        : 12.055994 GHz
Symbol Rate      : 9.320042 Msps
S2 ModCod
    - receiving  : 1   QPSK-1/4
    - current max : 23   16APSK-9/10
Pilot            : On
Frame length     : Short
DVB S2 Mode      : ACM
Roll off         : 0.25
SNR              : 13.6 dB
Input Power      : -29 dBm




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    : -17.2 dBm
ODU Output Power    : 34.4 dBm
EIRP             : 47.7 dBW
Eb/No            : 15.0 dB
Header Compression : Disabled
Timing correction   : -312 us (260631 us)
Frequency correction: -320 Hz




ping 8.8.8.8

64 bytes from 8.8.8.8: time=830 ms
64 bytes from 8.8.8.8: time=690 ms
64 bytes from 8.8.8.8: time=560 ms
64 bytes from 8.8.8.8: time=570 ms
64 bytes from 8.8.8.8: time=530 ms

--- 8.8.8.8 ping statistics ---
5 packets transmitted, 5 received,  0.00 percent packet loss
rtt min/avg/max = 530/630/830 ms
```