



TERMO DE ACEITE TÉCNICO

Solicitante: GEE

NOC/Operador: Rogério Frias

Cliente: Furnas

Empresa
EMC Brasil

VSAT-ID
Furnas

Link kbps
256k/256k

Plataforma
VSAT

System Information:

Name : FURNAS
Location : MG - No packet
Contact : Furnas
System Up time : 0 days, 00:11:29
Core temperature : 35.0 degrees C.
CPU Load : 16%
System time(UTC) : 10 May 2017 20:17:53
Broadcast Message : not set

HW:

Model : SatLink 2900
HW ID : 120510
Main board ID : 120265 R4.2

MAC addresses:

Management Port : 00:20:0e:10:70:8f
Traffic Port : 00:20:0e:10:70:8f
Satellite (DVB) : 00:20:0e:10:70:8f

#

Satellite (DVB) RX Configuration

Auto start : Disabled
Max Traffic MODCOD : 23 16APSK-9/10
RX watchdog : 15 minute
Cached DVB Tables : Disabled
Tuner retry time : 0

Idx	Pri	SymbRate[Mbps]	Freq[GHz]	Mode	PopId	SatId	Pos	SatName	Name	Enable
* 0	0	15.000000	12.059000	DVB-S2 4	0	0.0	E		Yes	

Satellite (DVB) Receiver Status

Rx State : On
DVB State : Forward link up
Network : 1326, T14R Beam
Frequency : 12.059022 GHz
Symbol Rate : 14.999965 Msps
S2 ModCod
- receiving : 19 16APSK-3/4
- current max : 18 16APSK-2/3

Pilot : On
Frame length : Short
DVB S2 Mode : ACM
DVB S2 Stream type : MPEG-TS
Roll off : 0.20
SNR : 11.8 dB
Input Power : -28 dBm

#

Satellite (DVB) TX Configuration

Auto start : Enabled

IDU Output Power : -20 dBm
IDU Max Output Power: 10.0 dBm
Default CW Frequency: 14.125600 GHz
ATM mode : VC-Mux
Header Compression : None

Satellite (DVB) Transmitter Status

State : On (DVB-RCS)
IDU Output Power : -20.0 dBm
Es/No : 12.0 dB
Header Compression : Disabled
Timing correction : -51 us (254837 us)
Frequency correction: 40 Hz

Antenna

Type Patriot TX-090KU - 0.9m
Antenna controller None
Tx Gain at 14.25 GHz 40.9dB

Transmitter (BUC)

Type None
Local oscillator 13.050000 GHz
DC supply 24V On
10MHz Ref On

Receiver (LNB)

Type User Defined
Local oscillator - LO1 10.750000 GHz
Local oscillator - LO2 10.750000 GHz
Oscillator switching frequency 1-2 0.000000 GHz
LO Switching mode 22kHz
13/18V DC supply Off

Interfaces

If	IPAddress	SubnetMask	BroadCastAddr	MTU	Alias	AdminStatus
1	92.39.116.33	255.255.255.248	92.39.116.39	1500	eth0	1
2	N/A	N/A	N/A	1500	air0	1
3	172.18.192.2	255.255.255.255	N/A	1500	dvb0	1
11	192.0.0.1	255.255.255.248	192.0.0.7	1500	Vir1-eth0	1

DNS Client Configuration

Primary DNS Server: 4.2.2.2, Secondary DNS Server: 8.8.8.8

Interface Statistics

----- Input -----					----- Output -----				
If	UCast	NUCast	Disc	Octets	UCast	NUCast	Disc	Octets	
1	4720	962	453	910449	7833	165	0	4223452	
2	0	0	0	0	0	0	0		
3	9700	0	0	4392617	6580	0	0	1089995	
11	0	0	0	0	0	0	0		
IP Receive Deliver Errors Discards Forward Request NoRoute Discards									
	14494	2102	0	0	12499	2292	12	16	

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
0.0.0.0	0.0.0.0	0.0.0.0	3	STATIC
92.39.116.32	255.255.255.248	0.0.0.0	1	LOCAL
172.18.192.2	255.255.255.255	0.0.0.0	3	LOCAL
192.0.0.0	255.255.255.248	0.0.0.0	11	LOCAL

DNS Client Configuration

DNS Server	Sent	Received
4.2.2.2	12	0
8.8.8.8	12	6

#

DHCP Server Status

Server Status : Disabled
Server IP address : 92.39.116.33
Server IP address range :
 Starting IP address : 92.39.116.34
 Ending IP address : 92.39.116.38
No of IP addresses excluded : 0
Lease Time : 1 Week 0 Hours 0 Minutes 0 Seconds
Primary DNS server : 200.143.6.225

TFTP Server Details

Not configured

#

NetAddr	State	MacAddr	If
92.39.116.34	Dynamic	00:1f:12:52:6f:45	1
92.39.116.35	Dynamic	00:50:c2:8e:b1:b7	1
92.39.116.36	Dynamic	9c:eb:e8:19:44:4d	1

Network Address Translation (NAT): Disabled

NAT Status

Total Successful Sessions : 0
Active Sessions : 0 (max 5000)
Failed Sessions : 0
Packet Translations : 0
Packet Dropped : 0 (due to fragmentation, capacity or other failures)

No Such Command

#

USAGE:

ip addroute <destaddr> <netmask> [<next hop>] [<if>]

destaddr IP address of destination network or host

netmask Netmask for destination network

next hop IP address of the next router/host in the path to the destination network/host.

This parameter must be omitted when adding multicast routes.

if interface number on which route is to be added (1=LAN, 3=Satellite), 1 is default

Add a route to the specified destination host or network

Example:

ip addroute 0.0.0.0 0.0.0.0 10.10.21.1 3

will set the default route to be to the satellite interface with next hop IP address 10.10.21.1

ip addroute 224.0.2.2 255.255.255.255 3

will set up a route for the multicast address 224.0.2.2 to the satellite interface

See also:

ip delroute, ip show, ip set

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2	N/A	N/A	N/A	1500	air0	1
3	172.18.192.2	255.255.255.255	N/A	1500	dvb0	1
11	192.0.0.1	255.255.255.248	192.0.0.7	1500	Vir1-eth0	1

DNS Client Configuration

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Interface Statistics

----- Input -----					----- Output -----				
If	UCast	NUCast	Disc	Octets	UCast	NUCast	Disc	Octets	
1	8955	1065	545	1885961	13360	167	0	7997182	
2	0	0	0	0	0	0	0	0	
3	15563	0	0	8200395	10816	0	0	2068193	
11	0	0	0	0	0	0	0	0	

IP	Receive	Deliver	Errors	Discards	Forward	Request	NoRoute	Discards
	24601	2540	0	0	21792	2762	20	24

Interface Directed Routing Table

In If Out If

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Disabled	Enabled	0	0	0

Routing Table

DestMask	RouteMask	NextHop	If	RtType
0.0.0.0	0.0.0.0	0.0.0.0	3	STATIC
92.39.116.32	255.255.255.248	0.0.0.0	1	LOCAL
92.39.116.34	255.255.255.255	92.39.116.34	1	STATIC
172.18.192.2	255.255.255.255	0.0.0.0	3	LOCAL
192.0.0.0	255.255.255.248	0.0.0.0	11	LOCAL

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DNS Client Configuration

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Interface Statistics

----- Input -----					----- Output -----				
If	UCast	NUCast	Disc	Octets	UCast	NUCast	Disc	Octets	
1	9722	1100	577	2051400	14516	169	0	9170512	
2	0	0	0	0	0	0	0	0	
3	16928	0	0	9389603	11675	0	0	2240085	
11	0	0	0	0	0	0	0	0	

IP	Receive	Deliver	Errors	Discards	Forward	Request	NoRoute	Discards
	26735	2775	0	0	23554	3017	20	24

Interface Directed Routing Table

In If Out If

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0.0.0.0	0.0.0.0	0.0.0.0	3	STATIC
92.39.116.32	255.255.255.248	0.0.0.0	1	LOCAL
92.39.116.33	255.255.255.255	92.39.116.33	1	STATIC
92.39.116.34	255.255.255.255	92.39.116.34	1	STATIC
92.39.116.35	255.255.255.255	92.39.116.35	1	STATIC
92.39.116.36	255.255.255.255	92.39.116.36	1	STATIC
172.18.192.2	255.255.255.255	0.0.0.0	3	LOCAL
192.0.0.0	255.255.255.248	0.0.0.0	11	LOCAL

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Interface Statistics

----- Input -----					----- Output -----				
If	UCast	NUCast	Disc	Octets	UCast	NUCast	Disc	Octets	
1	10338	1125	601	2164610	15487	169	0	10288184	
2	0	0	0	0	0	0	0	0	
3	18126	0	0	10523832	12374	0	0	2359866	
11	0	0	0	0	0	0	0	0	
IP	Receive	Deliver	Errors	Discards	Forward	Request	NoRoute	Discards	
	28549	3004	0	0	24978	3263	20	24	

Interface Directed Routing Table

In If Out If

-----IP LAC Statistics-----

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Disabled	Enabled	0	0	0

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92.39.116.32	255.255.255.248	0.0.0.0	1	LOCAL
92.39.116.33	255.255.255.255	92.39.116.33	1	STATIC
92.39.116.34	255.255.255.255	92.39.116.34	1	STATIC
92.39.116.35	255.255.255.255	92.39.116.35	1	STATIC
92.39.116.36	255.255.255.255	92.39.116.36	1	STATIC
172.18.192.2	255.255.255.255	0.0.0.0	3	LOCAL
192.0.0.0	255.255.255.248	0.0.0.0	11	LOCAL

Saving Configuration. This will take ~20 secs

Configuration Saved