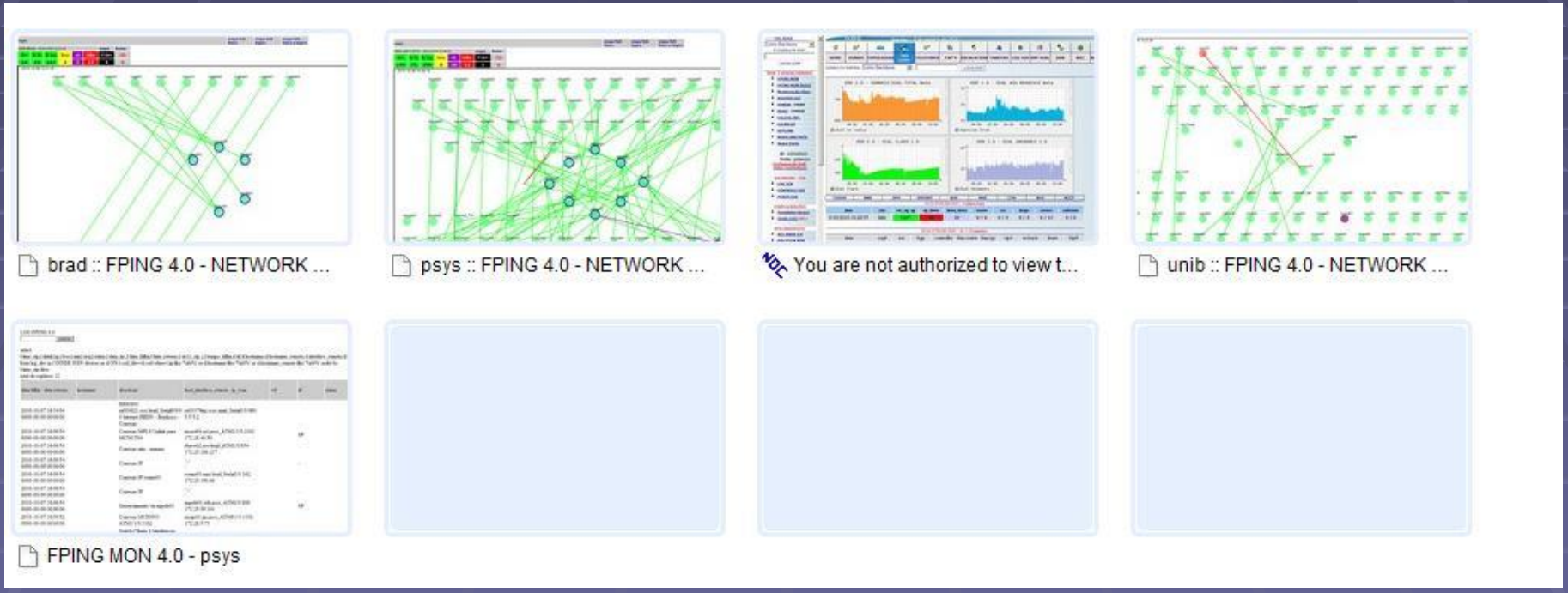
GPA

- PROACTIVE NETWORK MANAGEMENT



PROACTIVE MANAGEMENT CONCEPTS

- **Connectivity control of managed devices (network inventory database).**
- **Segmentation of management environments and speed (pooling) in identifying problems.**
- **Connectivity management (ICMP/ping, snmp, ssh, udp, telnet, netstat, nmap) of network devices.**
- **Automatic management and analysis of network equipment logs.**
- **Network equipment configuration management.**
- **Error control, latency, CPU consumption, memory, routes, power supply, installed cards, etc.**
- **Customize tools to the work system and needs of each company.**

GPA MODULES

- GPA PING
- GPA RTT
- GPA LOG
- GPA CTC – CONFIGURATION TASK CONTROL
- GPA GPA BDC-R – Configuration Base and Robot
- GPA CI – INTERFACE DATA COLLECTION
- GPA CA – ACCESS CONTROL

GPA PING

Performs an icmp pooling (ping) on the managed ip network and presents the functionalities :

- Test Summary
- Event log
- Alarm acknowledgement
- Packet loss control
- Latency control

GPA PING – Summary table

- The GPAPING summary table facilitates troubleshooting of network alarms due to the possibility of presenting in a simple way the general status of the network, segmenting and classifying the alarms

menu principal caixa

BKB CLI 1 - Wed Mar 4 16:25:19 BRT 2009

ok	-33%	-66%	Falha	N/D!*	CHK
551	83	3	-1	1	5

menu principal caixa

BKB CLI 2 - Wed Mar 4 16:25:27 BRT 2009

ok	-33%	-66%	Falha	N/D*!	CHK
699	3	0	0	1	7

menu principal caixa

BKB LOCAL - Wed Mar 4 16:25:17 BRT 2009

ok	-33%	-66%	Falha	N/D!*	CHK
611	3	1	0	0	2

menu principal caixa

COR RTT Backbone MPLS - 2009-03-04 16:24:28

ok	descartes	rtt	Falha	CHK
295	0	5	5	5

menu principal caixa

BKB CRIT INTcoleta telnet. - Wed Mar 4 16:21:32 BRT 2009

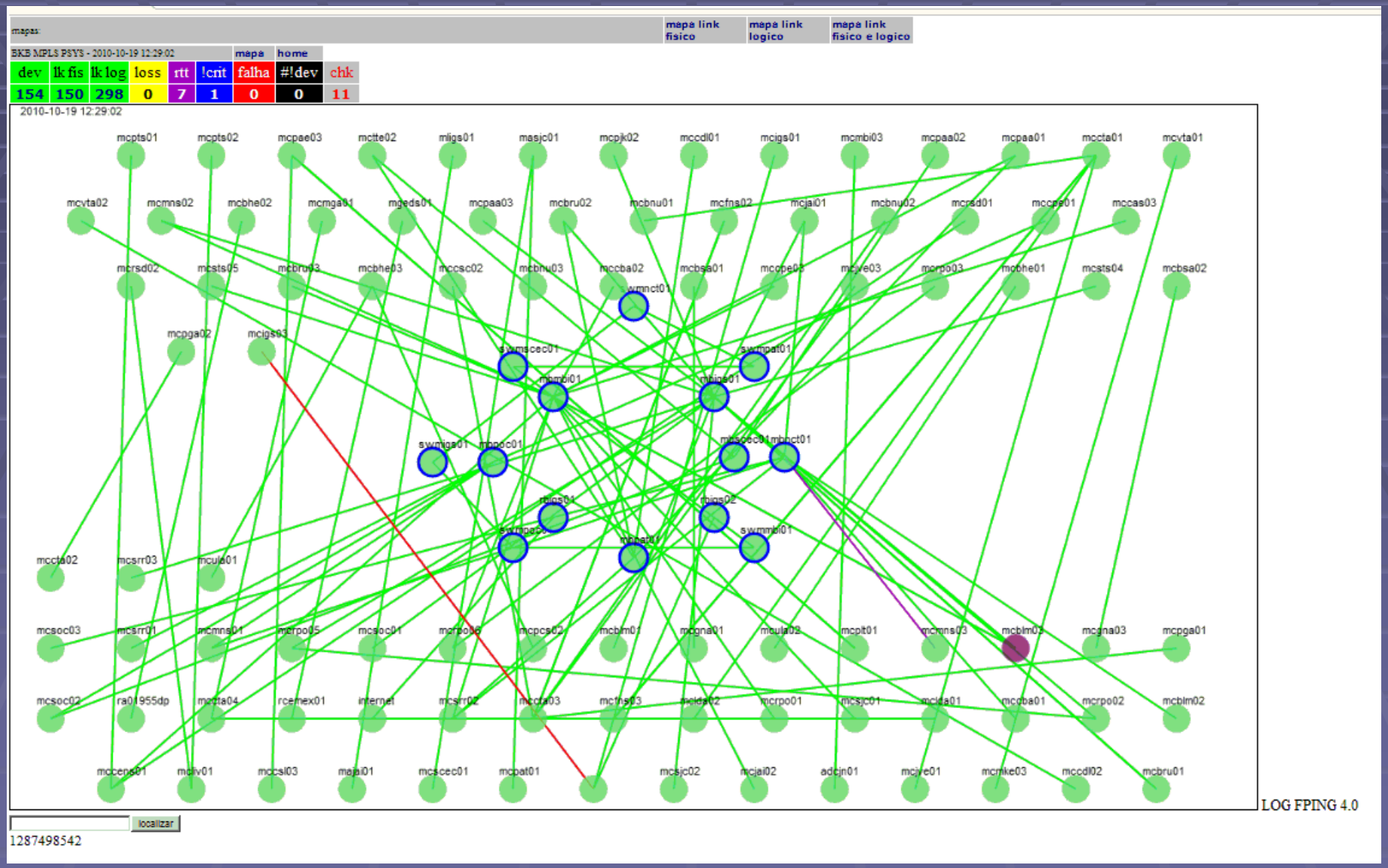
ok	crc	int errs	+80%	Falha	CHK
489	19	18	1	13	13

menu principal caixa

RAS -telnet- - Wed Mar 4 16:25:57 BRT 2009

ok	-33%	-66%	Falha
32	-	-	10

NETWORK TOPOLOGY



Latency Control

10.98.22.11/fping4.0/mon_det.php?ver=rtt&key_som=n&menu_som=n&dir=psys

BKB MPLS PSYS - 2010-10-19 12:39:01 mapa home

dev	lk fis	lk log	loss	rtt	!crit	falha	#!dev	chk
154	150	297	0	8	1	0	0	11

proc	cpu	cfg	data	host_a int_a - host_b int_b	ipa - ipb	Descricao	info	rtt	loss		
			2010-10-19 12:39:01	mbpat01.pat.psys ATM1/0.842 mcblm02.blm.psys Serial0/0/0.131	10.34.4.118 10.34.4.117	Uplink MBPAT01	ll	ok rtt	ok 105.32 | ok 106.72	check	
			2010-10-19 12:33:02	mcblm03.blm.psys Serial0/1/0.843 mbigs01.igs.psys Serial2/6:0.843	10.34.76.6 10.34.76.5		lf	rtt ok	ok 12.08 | ok 10.88	check	
			2010-10-19 09:55:03	mcpae01.pae.psys ATM1/1/0.131 mbpat01.pat.psys ATM1/0.601	10.34.4.102 10.34.4.101	Conexao MPLS Uplink para MCPAE01	ll	rtt rtt	ok 9.86 | ok 9.53	check	
			2010-10-19 01:07:02	mcpae03.pae.psys ATM1/0.131 mbpat01.pat.psys ATM1/0.603	10.34.4.149 10.34.4.150	Conexao MPLS Uplink para MCPAE03	ll	rtt rtt	ok 10.98 | ok 10.60	check	
			2010-10-18 17:34:02	rctunnelgre01.igs.psys Tunnel152 ra04790.pjk.brad Tunnel152	172.25.18.114 172.25.18.113	WIMAX - ra04790.pjk.brad_Tunnel152 # 2775 AG VILA ANDRADE - rcwimax01 Tunnel152	ll		rtt a: media - 90.38 - 57/63 | rtt b: media - 91.37 - 58/63	check	
			2010-10-18 17:34:02	mcpae02.pae.psys ATM1/0.911 mbmbi01.mbi.psys ATM6/0.602	10.34.24.53 10.34.24.54	Conexao MPLS Uplink para MCPAE02	ll	rtt rtt	ok 11.76 | ok 11.28	check	
			2010-10-18 17:34:02	mcblm03.blm.psys GigabitEthernet0/0 . -	10.33.76.3 -	Uplink para SWCBLM01	ll		rtt a: media - 94.88 - 63/63 |	check	
			2010-10-18 17:34:02	mcblm03.blm.psys Loopback0 . -	10.32.76.3 -	Interface de Gerenciamento do MCBLM03	dev		rtt a: media - 86.89 - 63/63 |	check	

mem processador mcpae01.pae.psys: 99 %

[1]

GPA PING: Alarm Acknowledgement

- IN GPA PING IT IS POSSIBLE TO RECOGNIZE AND COMMENT ON ALARMS, MADE EASIER THE CONTROL AND TREATMENT OF INCIDENTS

psys - FPING MON 4.0 - Google Chrome

10.98.22.11/fping4.0/mon_det.php?ver=chk&key_som=n&menu_som=n&dir=psys

BKB MPLS PSYS - 2010-10-19 12:39:01 mapa home

dev	lk fis	lk log	loss	rtt	!crit	falha	#!dev	chk
154	150	297	0	8	1	0	0	11

proc	cpu	cfg	data	host_a int_a - host_b int_b	ipa - ipb	Descricao		obs	info
			2010-10-18 17:34:02	rbigs01.igs.psys ATM1/0/1.200 re03379mz.scec.mari Serial1/0.960	5.5.5.2 5.5.5.1	RBIGS01 ra054821.oco.brad_Serial0/0/0 # Internet DBDN - Bradesco - Conexao	Comentar		11
			2010-10-18 17:34:02	mcigs03.igs.psys FastEthernet3/40.2370 . -	172.28.38.202 -	-	Comentar		1f
			2010-10-18 17:34:02	re15491.oco.bseg ATM2/0.100 re15494.liv.bseg ATM1/0.100	172.24.49.1 172.24.49.2	Lan to Lan BSEG 57 TITULAR - CONEXAO 57Mbps com BSEG_01_RJ -- LINK PRINCIPAL ***	Comentar		11
			2010-10-18 17:34:02	mccas03.cas.psys Serial3/3:21.851 ra055553.cas.brad Serial0/1/0.851	172.24.168.73 172.24.168.74	Router CAS : DSPCON 16.10.851 -- 128K:: corporate	Comentar		11
			2010-10-18 17:34:02	mligs01.igs.psys Serial0/0.993 mcscec01.scec.psys ATM1/1/0.135	172.20.76.113 172.20.76.114	Uplink MCCAUC02 x mcscec01 - REDE IP MPLS	Comentar		11
			2010-10-18 17:34:02	mctte02.tte.psys Serial0/0/0.921 mbnct01.nct.psys ATM0/2/0.352	10.34.85.97 10.34.85.98	UPLINK VIA IGX - MCTTE02_Serial0/0/0.921 x mbnct01.nct.psys_ATM8/0/0.352	Comentar		11
			2010-10-18 17:34:02	mccas04.cas.psys ATM1/0.131 mbpat01.pat.psys ATM1/0.304	10.34.4.146 10.34.4.145	UPLINK PARA MBPAT01	Comentar		11
			17:34:02	mbpat01.pat.psys ATM1/0.352 mctte02.tte.psys Serial0/0/0.131	10.34.4.110 10.34.4.109	Conexao MPLS Uplink para MBPAT01	Comentar		11
			2010-10-18 17:34:02	mbscec01.scec.psys ATM2/0.352 mctte01.tte.psys Serial0/0/0.151	10.34.3.122 10.34.3.121	Conexao MPLS Uplink para MBSCEC01	Comentar		11

cpu mccas04.cas.psys: 12 %

http:

606	15	17	0	29	73	0

GPA PING: Device view

status fping 2.0 - Windows Internet Explorer

http://10.98.22.11/fping_mon/mon_det.php?ver=vm&key_som=n&menu_som=n&pg=1&dir=brad

BKB - Fri May 8 09:41:13 BRT 2009

ok	-33%	-66%	Falha	#!N/D	CHK
571	29	1	0	0	10

data	Hostname_interface	ip	Descricao	Servico	check all	obs
Fri May 8 09:39:13 BRT	rcoco01 Serial1/0.171	172.25.46.38	Conexao IP -	BKBC	comentar	

http://10.98.22.11/fping_mon/mon_pesquisa.php?txt_busca=rcoco01.oco.brad - Windows Internet Explorer

http://10.98.22.11/fping_mon/mon_pesquisa.php?txt_busca=rcoco01.oco.brad

Arquivo Editar Exibir Favoritos Ferramentas Ajuda

Google Pesquisar Favoritos Verificar Fazer login

http://10.98.22.11/fping_mon/mon_pesquisa.php?txt... Página Ferramentas

data	hostname	interface	ip	descricao		
FriMay809:39:13BRT2009	rcoco01	Serial1/0.171	172.25.46.38	Conexao IP - Osasco	Fping	atualizar
Conexao IP - Osasco	rcoco01	Serial1/0.171	172.25.46.38		RTT	atualizar
Fri May 8 09:41:13 BRT 2009	rcoco01	Serial1/0.161	172.25.46.34	Conexao IP - osasco	Fping	atualizar
Conexao IP - osasco	rcoco01	Serial1/0.161	172.25.46.34		RTT	atualizar
Fri May 8 09:41:13 BRT 2009	rcoco01	FastEthernet0/0.26-802.1Q	172.26.46.65	Conexao com Site OCO-VLAN 26	Fping	atualizar
Conexao com Site OCO-VLAN 26	rcoco01	FastEthernet0/0.26-802.1Q	172.26.46.65		RTT	atualizar
Fri May 8 09:41:13 BRT 2009	rcoco01	FastEthernet0/0.25-802.1Q	172.25.46.65	Conexao site OCO-Vlan 25	Fping	atualizar
Conexao site OCO-Vlan 25	rcoco01	FastEthernet0/0.25-802.1Q	172.25.46.65		RTT	atualizar
Fri May 8 09:41:13 BRT 2009	rcoco01	Serial1/0.162	172.25.46.34	Conexao IP - osasco	Fping	atualizar
Conexao IP - osasco	rcoco01	Serial1/0.162	172.25.46.34		RTT	atualizar
FriMay809:39:13BRT2009	rcoco01	Serial1/0.172	172.25.46.38	Conexao IP - Osasco	Fping	atualizar
Conexao IP - Osasco	rcoco01	Serial1/0.172	172.25.46.38		RTT	atualizar

- QUICK CONSULTATION TO VIEW ALL MANAGED INTERFACES OF EACH DEVICE

GPA PING: APPLICATION SCENARIO

- IN THE SCENARIO PRESENTED ON THE NEXT SCREEN WE HAVE THE MANAGEMENT OF 6500 INTERFACES, WITH SUMMARY TABLES :

- LATENCY ALERTS SUMMARY
- SUMMARY OF ALERTS BY STATE
- SUMMARY OF ALERTS BY PE (CONCENTRATOR ROUTER)

GPA PING: SUMMARY TABLE

Aplicativos Locais Sistema — Ter 05 Mai, 13:34 — kaio

FPING MON 1.0 - ECT - Mozilla Firefox

Arquivo Editar Exibir Histórico Favoritos Ferramentas Ajuda

http://localhost/fping_mon/mon.php

Mais visitados — Getting Started — Latest Headlines

FPING MON 1.0 - ECT | Nagios

Inserir BD-FPING | LOG FPING

som desativado - ativar

Hostname | Pesquisar

Sumario de Alarmes

hora	num uf	num bkb	num lat
12:29:00	0	0	936
12:09:46	0	0	918
12:04:08	0	0	937
11:58:39	0	0	934
11:53:34	0	0	928
11:48:38	0	0	940
11:43:34	0	0	954
11:38:17	0	0	971
11:33:29	0	0	964
11:27:58	0	0	966
11:23:21	0	0	986
11:17:49	0	0	993
11:12:39	0	0	998
11:07:37	0	0	1011
11:02:23	0	0	1004
10:57:24	0	0	1026
10:52:27	0	0	1017
10:47:00	0	0	1022
10:41:59	0	0	1007
10:36:42	0	0	1007
10:31:41	0	0	999

data corte: 2009-05-05 11:34:02

LATÊNCIA ultima hora -1hr

qtd	ip	lim	host bkb
29	10.47.213.129	150	acc07.bsa
28	10.47.179.129	150	acc06.bsa
23	10.47.240.129	150	acc09.bsa
22	10.47.210.1	150	acc10.bsa
21	10.47.219.1	150	acc07.bsa
20	10.31.186.1	150	acc08.bsa
20	10.31.181.129	150	acc05.bsa
20	10.31.180.129	150	acc05.bsa
20	10.47.214.129	150	acc03.bsa
20	10.111.187.129	150	acc05.bsa
20	10.111.188.129	150	acc03.bsa
20	10.111.186.1	150	acc10.bsa
20	10.31.188.129	150	acc06.bsa
20	10.31.191.1	150	acc10.bsa
20	10.31.181.1	150	acc05.blm
20	10.111.189.1	150	acc05.bsa
18	10.47.231.129	150	acc07.bsa
17	10.47.234.129	150	acc04.bsa
17	10.47.231.1	150	acc09.bsa
17	10.47.215.1	150	acc10.bsa
17	10.47.249.129	150	acc07.bsa
17	10.47.232.129	150	acc04.bsa
17	10.47.233.1	150	acc04.bsa
17	10.47.246.129	150	acc03.bsa
16	10.159.230.129	154	acc10.rjo
16	10.63.251.129	156	acc07.vta
16	10.63.248.129	156	acc03.vta
16	10.63.182.1	156	acc06.vta

data corte: 2009-05-04 12:34:03

LATÊNCIA 24hrs

qtd	ip	lim	host bkb
77	10.31.191.1	150	acc10.bsa
77	10.31.186.1	150	acc08.bsa
77	10.31.188.129	150	acc06.bsa
77	10.31.181.1	150	acc05.blm
77	10.31.181.129	150	acc05.bsa
77	10.31.180.129	150	acc05.bsa
77	10.111.186.1	150	acc10.bsa
76	10.111.189.1	150	acc05.bsa
76	10.111.188.129	150	acc03.bsa
76	10.111.187.129	150	acc05.bsa
68	10.47.179.129	150	acc06.bsa
63	10.47.219.1	150	acc07.bsa
61	10.47.240.129	150	acc09.bsa
60	10.47.210.129	150	gacc04.bsa
54	10.47.170.129	150	gacc04.bsa
53	10.47.210.1	150	acc10.bsa
53	10.47.231.1	150	acc09.bsa
52	10.47.239.1	150	acc07.bsa
51	10.47.213.129	150	acc07.bsa
46	10.47.231.129	150	acc07.bsa
46	10.47.249.129	150	acc07.bsa
45	10.47.244.129	150	acc04.bsa
44	10.63.251.129	156	acc07.vta
44	10.63.175.1	156	acc08.vta
43	10.88.40.1	156	acc01.cpe
43	10.88.64.1	152	acc02.cpe
43	10.95.125.1	156	acc02.cpe
43	10.95.188.1	156	acc01.cpe

data: 2009-05-05 12:29:01

SUM BKB

qtd	tipo
11	sat
2	
1	acc06.fla
1	acc12.rjo
1	gacc03.pae
1	acc02.fns
1	mcmbi02.mbi.psys
1	acc08.sdr

data: 2009-05-05 12:29:00

SUM UF

qtd	tipo
3	GO
3	
1	PE
1	RN
1	TO
1	PI
1	AL
1	RR
1	PB
1	MG
1	RS
1	BA
1	AM
1	SC
1	RJ

ECT - LOTE1 - Ter Mai 5 09:17:17 BRT 2009

ok	-33%	-66%	Falha	CHK
197	2	0	14	0

ECT - SUDESTE - Tue Apr 28 22:28:20 BRT 2009

ok	-33%	-66%	Falha	CHK
403	11	2	17	0

ECT - Minas Gerais - Tue Apr 28 22:27:49 BRT 2009

ok	-33%	-66%	Falha	CHK
886	19	1	16	0

ECT - SUL - Tue May 5 11:31:52 BRT 2009

ok	-33%	-66%	Falha	CHK
697	10	0	19	0

ECT - SUL RS - Tue May 5 13:07:42 BRT 2009

ok	-33%	-66%	Falha	CHK
495	3	1	5	0

ECT - NORDESTE 1 - Tue May 5 10:57:39 BRT 2009

ok	-33%	-66%	Falha	CHK
1098	24	4	15	0

ECT - CENTRO OESTE - Ter Mai 5 09:17:45 BRT 2009

ok	-33%	-66%	Falha	CHK
832	11	2	23	0

ECT - NORD 2 (BA,CE,PB) - Ter Mai 5 09:17:50 BRT 2009

ok	-33%	-66%	Falha	CHK
866	23	3	20	0

ECT - NORTE - Ter Mai 5 09:17:25 BRT 2009

ok	-33%	-66%	Falha	CHK
237	1	0	13	0

Concluído

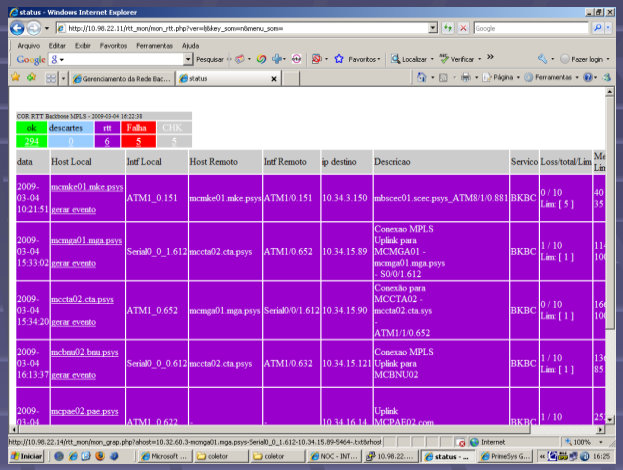
root@ECT: /etc/nagios... — FPING MON 1.0 - ECT ... — Mozilla Firefox — disk - Navegador ...

GPA PING

- For up to 400 hosts pooling is 1 minute.
- For up to 1000 hosts pooling is 2 minutes.
- Above 6,000 hosts, pooling is 5 minutes per installed instance.

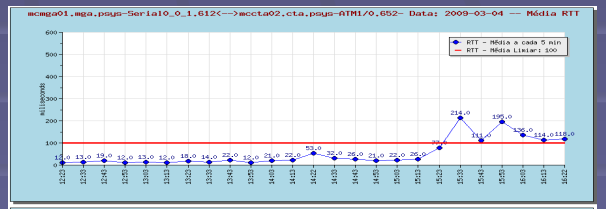
GPA RTT

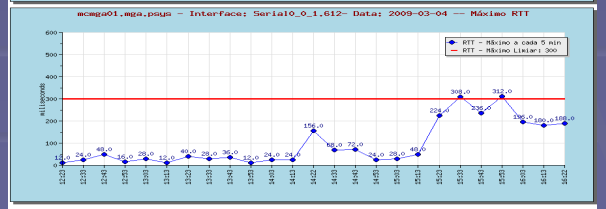
- GPA RTT performs network performance control through point-to-point ping SNMP MIB (if the device supports this SNMP MIB – example with Cisco MIB support)

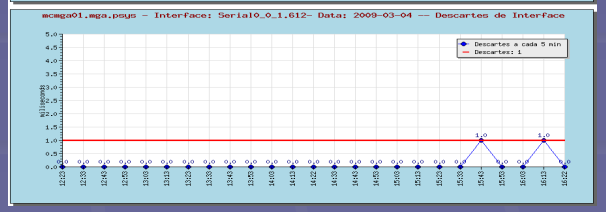


ok	descartes	rtt	Falha	CHK
294	0	6	5	5

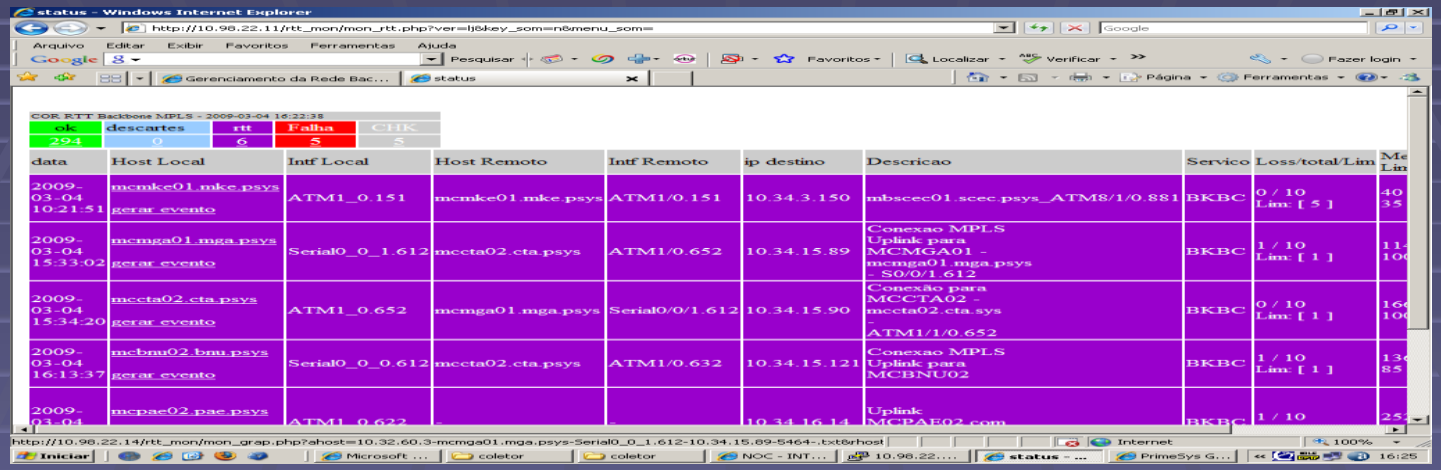
data	Host Local	Intf Local	Host Remoto	Intf Remoto	ip destino	Descricao	Servico	Loss/total/Lim
2009-03-04 10:21:51	mcmke01.mke.psys gerar evento	ATM1_0.151	mcmke01.mke.psys	ATM1/0.151	10.34.3.150	mbscec01.scec.psys_ATM8/1/0.881	BKBC	0 / 10 Lim: [5]
2009-03-04 15:33:02	mcmga01.mga.psys gerar evento	Serial0_0_1.612	mccta02.cta.psys	ATM1/0.652	10.34.15.89	Conexao MPLS Uplink para MCMGA01 - mcmga01.mga.psys - S0/0/1.612	BKBC	1 / 10 Lim: [1]
2009-03-04 15:34:20	mccta02.cta.psys gerar evento	ATM1_0.652	mcmga01.mga.psys	Serial0/0/1.612	10.34.15.90	Conexão para MCCTA02 - mccta02.cta.sys ATM1/1/0.652	BKBC	0 / 10 Lim: [1]
2009-03-04 16:13:37	mcbnu02.bnu.psys gerar evento	Serial0_0_0.612	mccta02.cta.psys	ATM1/0.632	10.34.15.121	Conexao MPLS Uplink para MCBNU02	BKBC	1 / 10 Lim: [1]
2009-03-04	mcpae02.pae.psys	ATM1_0.622			10.34.16.14	Uplink MCPAE02.com	BKBC	1 / 10







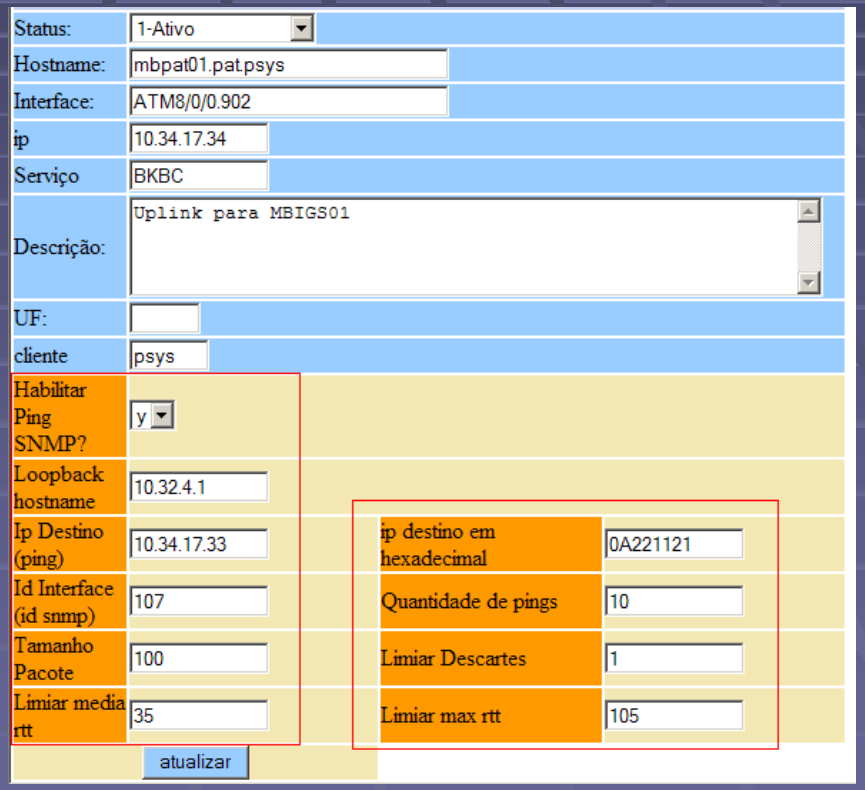
GPA RTT:



- LATENCY CONTROL IS MADE EASIER BECAUSE THE ALARM IDENTIFIES THE CONNECTION THAT IS SHOWING SLOWNESS BASED ON THE ADJUSTED METRIC.
- EACH INTERFACE CAN HAVE A METRIC ADJUSTED INDIVIDUALLY IN THE DATABASE.

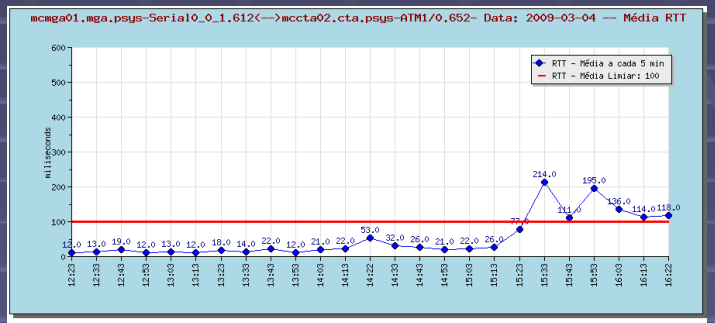
GPA RTT: per-interface metric adjustment

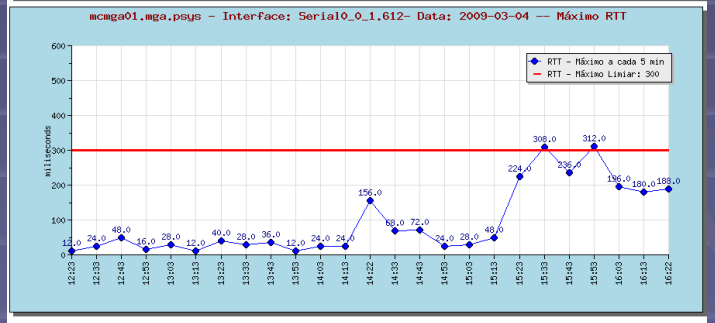
- ALERT THRESHOLDS (FOR LATENCY AND PACKET DISCARDING) CAN BE ADJUSTED AT ANY TIME, MADE EASIER NETWORK LATENCY CONTROL

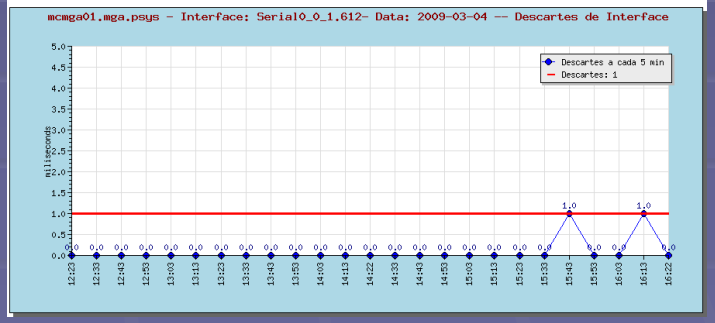


GPA RTT: gráfico de latência

- THE LATENCY AND PACKET DISCARD THRESHOLD IS REPRESENTED WITH THE RED LINE IN THE GRAPH

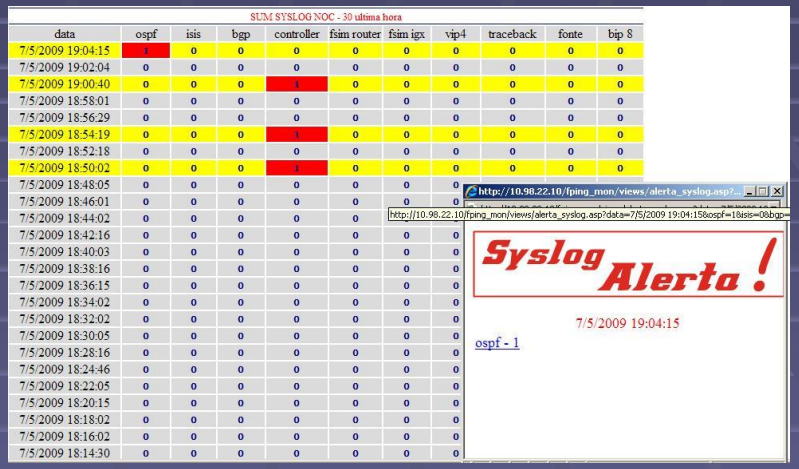


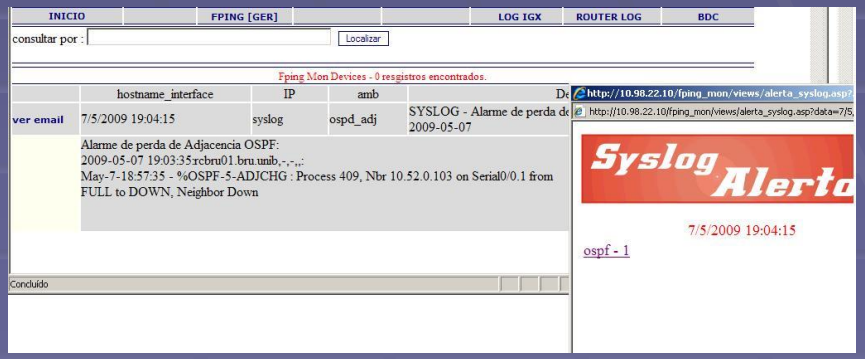




GPA LOG

- GPA LOG collects logs from network devices, switches, routers, etc. (syslog source), and “reads” the data, sending alarms according to the pre-defined trigger configuration.





GPA LOG:

- THE FOLLOWING TABLE SHOWS ALARMS BASED ON STRATACOM (IGX) ROUTER AND SWITCHE LOGS:
- THE ALARMS TO BE DISPLAYED MAY CUSTOM FOR EACH MANAGEMENT ENVIRONMENT
- LOG UPDATE TAKES 1 MINUTE POOLING AND EVENT SUMMARY TAKES 2 MINUTES

- OSPF – OSPF ROUTING EVENTS (ROUTER)
- ISIS – ISIS ROUTING EVENTS (ROUTER)
- BGP – BGP ROUTING EVENTS (ROUTER)
- CONTROLLER – CONTROLLER E1 INTERFACES FAILURE (ROUTER)
- FSIM ROUTER – FAILURE OF MORE THAN 10 INTERFACES PER EQUIPMENT(ROUTER)
- FSIM IGX –FAILURE OF MORE THAN 10 INTERFACES PER EQUIPMENT (IGX)
- VIP4 – VIP MODEL BOARD FAILURE (ROUTER)
- TRACEBACK – SOFTWARE TRACEBACK EVENTS (ROUTER)
- FONTE – POWER SUPPLY FAILURE (ROUTER E IGX)
- BIP 8 – IGX TRUNK PACKAGE DISPOSAL ALARM (IGX)

GPA LOG: Events Summary Table

SUM SYSLOG NOC - 30 ultima hora

data	ospf	isis	bgp	controller	fsim router	fsim igx	vip4	traceback	fonte	bip 8
7/5/2009 19:04:15	1	0	0	0	0	0	0	0	0	0
7/5/2009 19:02:04	0	0	0	0	0	0	0	0	0	0
7/5/2009 19:00:40	0	0	0	1	0	0	0	0	0	0
7/5/2009 18:58:01	0	0	0	0	0	0	0	0	0	0
7/5/2009 18:56:29	0	0	0	0	0	0	0	0	0	0
7/5/2009 18:54:19	0	0	0	1	0	0	0	0	0	0
7/5/2009 18:52:18	0	0	0	0	0	0	0	0	0	0
7/5/2009 18:50:02	0	0	0	1	0	0	0	0	0	0
7/5/2009 18:48:05	0	0	0	0	0	0	0			
7/5/2009 18:46:01	0	0	0	0	0	0	0			
7/5/2009 18:44:02	0	0	0	0	0					
7/5/2009 18:42:16	0	0	0	0	0	0	0			
7/5/2009 18:40:03	0	0	0	0	0	0	0			
7/5/2009 18:38:16	0	0	0	0	0	0	0			
7/5/2009 18:36:15	0	0	0	0	0	0	0			
7/5/2009 18:34:02	0	0	0	0	0	0	0			
7/5/2009 18:32:02	0	0	0	0	0	0	0			
7/5/2009 18:30:05	0	0	0	0	0	0	0			
7/5/2009 18:28:16	0	0	0	0	0	0	0			
7/5/2009 18:24:46	0	0	0	0	0	0	0			
7/5/2009 18:22:05	0	0	0	0	0	0	0			
7/5/2009 18:20:15	0	0	0	0	0	0	0			
7/5/2009 18:18:02	0	0	0	0	0	0	0			
7/5/2009 18:16:02	0	0	0	0	0	0	0			
7/5/2009 18:14:30	0	0	0	0	0	0	0			

http://10.98.22.10/fping_mon/views/alerta_syslog.asp?...

http://10.98.22.10/fping_mon/views/alerta_syslog.asp?data=7/5/2009 19:04:15&ospf=1&isis=0&bgp=

Syslog Alerta !

7/5/2009 19:04:15

ospf - 1

GPA LOG: Alarm Info Detail

INICIO | FPING [GER] | LOG IGX | ROUTER LOG | BDC

consultar por : Localizar

Fping Mon Devices - 0 resgistros encontrados.

	hostname_interface	IP	amb	De
ver email	7/5/2009 19:04:15	syslog	ospd_adj	SYSLOG - Alarme de perda de 2009-05-07
	Alarme de perda de Adjacencia OSPF: 2009-05-07 19:03:35rcbru01.bru.unib,-,-,,: May-7-18:57:35 - %OSPF-5-ADJCHG : Process 409, Nbr 10.52.0.103 on Serial0/0.1 from FULL to DOWN, Neighbor Down			

Concluído

http://10.98.22.10/fping_mon/views/alerta_syslog.asp?

http://10.98.22.10/fping_mon/views/alerta_syslog.asp?data=7/5,

Syslog Alerta

7/5/2009 19:04:15

ospf - 1

GPA LOG: Log query search

ROUTER LOG 1.0-beta

INICIO | LOG IGX | BDC

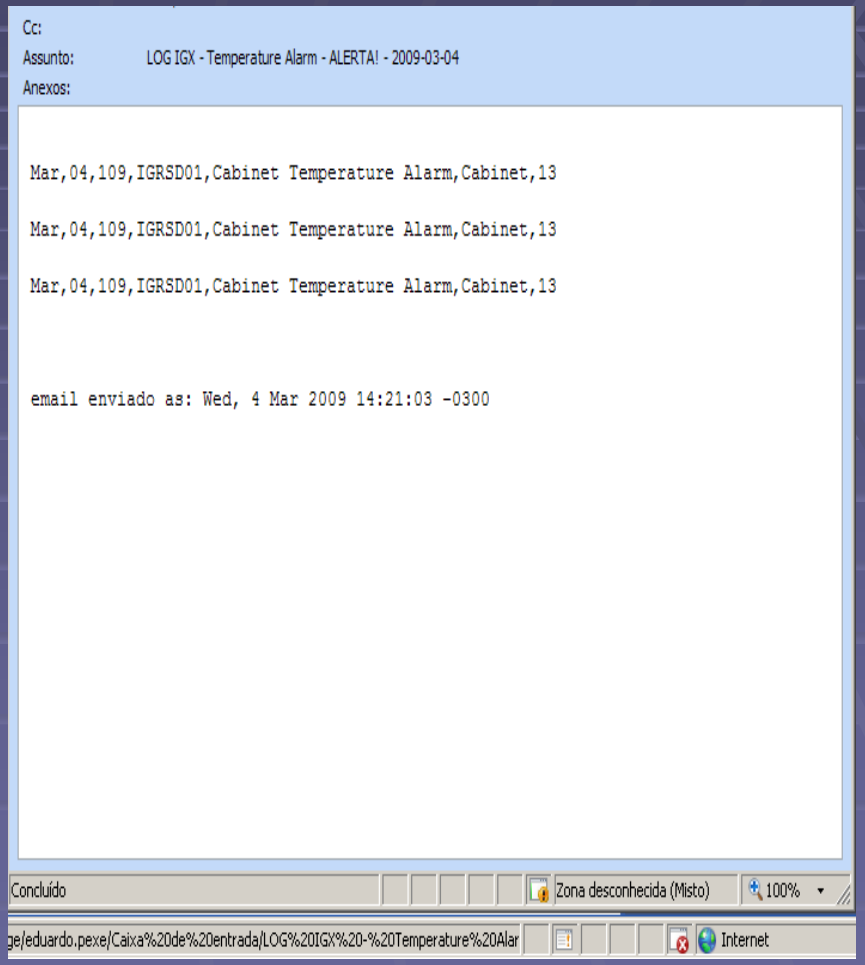
consultar por : Localizar

ROUTER LOG Atualização SYSLOG (ultima hora) de 1 em 1 minuto - total de registros encontrados: 889

Data	hostname	log	log	servico	descr
5/3/2009 09:30:06 Mar-5-09:28:59	rcrce01.rce.unib	%OSPF-5-ADJCHG	Process 1100, Nbr 10.76.64.28 on Serial1/0:1.402 from LOADING to FULL, Loading Done	-	-
5/3/2009 09:30:04 Mar-5-09:28:05	rcbsa03_pal.bsa.unib	%OSPF-5-ADJCHG	Process 1100, Nbr 10.74.64.47 on Serial0/1.849 from LOADING to FULL, Loading Done	-	-
5/3/2009 09:30:04 Mar-5-09:27:19	rcbsa03_pal.bsa.unib	%OSPF-5-ADJCHG	Process 1100, Nbr 10.74.64.47 on Serial0/1.849 from FULL to DOWN, Neighbor Down	-	-
5/3/2009 09:26:01 Mar-5-09:26:55	rboco03.oco.brad	%OSPF-4-CONFLICTING_LSAID	LSA origination prevented by existing LSA with same LSID but a different mask	-	-
5/3/2009 09:26:01	rboco02.oco.brad	%OSPF-4-CONFLICTING_LSAID	Found LSA with the same host bit set but using different mask	-	-

GPA LOG: email notification send

- FOR ANY TYPE OF ALARM THERE IS THE OPTION OF SENDING AN EMAIL TO THE NETWORK ADMINISTRATOR



GPA CI – Inteface data collector

- GPA CI performs an hourly pooling telnet (every 30 min or every 5 min) on selected equipment and collects interface data to perform general control of errors, outages, interface resets, etc.
- Possibility of controlling backbone interfaces and support network cleaning.

TODOS	BKB	SPO	SPOINT	RJO	BHE	CTA	RCE	RCCF

SUM COLETA INTERFACES NOC - ultima hora

data	site	var_up_up	up_down	down_down	resets	crc	drops	errors	colisions
7/5/2009 18:30:26	rccf	754	48	22	0 / 0	0 / 1	0 / 1	0 / 4	0 / 0
7/5/2009 18:30:15	cta	1560	216	62	0 / 0	2 / 9	0 / 2	2 / 10	0 / 0
7/5/2009 18:30:04	spo-int	1649	255	35	1 / 2	3 / 11	0 / 3	5 / 16	0 / 0
7/5/2009 18:29:53	spo	3911	841	317	0 / 0	0 / 25	0 / 29	2 / 50	0 / 0
7/5/2009 18:29:42	rjo	1663	68	37	1 / 1	0 / 4	1 / 4	1 / 13	0 / 0
7/5/2009 18:29:32	bhe	1415	308	22	0 / 0	0 / 12	1 / 2	1 / 16	0 / 0
7/5/2009 18:29:21	rce	1560	78	6	0 / 0	1 / 8	0 / 5	0 / 11	0 / 0
7/5/2009 18:29:09	bkb	1275	7	3	0 / 0	0 / 1	0 / 2	0 / 2	0 / 0

[1] -

TODOS	BKB	SPO	SPOINT	RJO	BHE	CTA	RCE	RCCF

SUM COLETA INTERFACES NOC - ultima hora

data	site	var_up_up	up_down	down_down	resets	crc	drops	errors	colisions
7/5/2009 18:30:15	cta	1560	216	62	0 / 0	2 / 9	0 / 2	2 / 10	0 / 0

Filtro - Regional Sul

CONTROLE INTERFACES - 8

data	interface	usuario	serv	cli	last clear	status	int resets	crc	drops	int err in	int c
7/5/2009 18:29:09	rcpae03.pae.brad_Serial1/0:30	BDN 13006 / 12003 / 14530 CALCADOS AZALEIA	BDN	brad	00:43:21	up up	1	251	0	762	0
7/5/2009 18:27:31	mcjve01.jve.psys_Serial4/0:2	BDN 0406 ATM SHOPP. MUELLER	BDN	brad	00:27:42	up up	0	38	0	90	0
7/5/2009 18:28:10	mccta02.cta.psys_ATM1/0	-	-	psys	00:37:41	up up	0	3231	1482	3314	0
7/5/2009 18:27:39	mccta04.cta.psys_ATM1/0	Conexao Backbone IGX	BKBC	psys	00:28:56	up up	0	283	0	293	0
7/5/2009 18:27:14	mcjve02.jve.psys_Serial1/1:28	BDN 26866 GALERIA NOVE DE MARCO	BDN	brad	00:29:30	up up	0	136	0	2238	0
7/5/2009 18:27:56	mccta01.cta.psys_ATM1/0		BKBC	psys	00:37:48	up up	0	73	0	85	0
7/5/2009 18:28:37	rccta04.cta.brad_Serial1/1:30	BDN 14223 CAMARGO CORREIA	BDN	brad	00:44:17	up up	0	71	0	820	0
7/5/2009 18:28:30	rcpae04.pae.brad_Serial2/1:5	BDN 0395 ZAFFARI SUPERM BOURBON	BDN	brad	00:34:24	up up	0	54	0	118	0

GPA CI – Alarm Information

TODOS	BKB	SPO	SPOINT	RJO	BHE	CTA	RCE	RCCF

SUM COLETA INTERFACES NOC - ultima hora

data	site	var_up_up	up_down	down_down	resets	crc	drops	errors	colisions
7/5/2009 18:30:15	cta	1560	216	62	0 / 0	2 / 9	0 / 2	2 / 10	0 / 0

Filtro - Regional Sul

CONTROLE INTERFACES - 8

data	interface	usuario	serv	cli	last clear	status	int resets	crc	drops	int err in	int c
7/5/2009 18:29:09	rcpae03.pae.brad_Serial1/0:30	BDN 13006 / 12003 / 14530 CALCADOS AZALEIA	BDN	brad	00:43:21	up up	1	251	0	762	0
7/5/2009 18:27:31	mcjve01.jve.psys_Serial4/0:2	BDN 0406 ATM SHOPP. MUELLER	BDN	brad	00:27:42	up up	0	38	0	90	0
7/5/2009 18:28:10	mccta02.cta.psys_ATM1/0	-	-	psys	00:37:41	up up	0	3231	1482	3314	0
7/5/2009 18:27:39	mccta04.cta.psys_ATM1/0	Conexao Backbone IGX	BKBC	psys	00:28:56	up up	0	283	0	293	0
7/5/2009 18:27:14	mcjve02.jve.psys_Serial1/1:28	BDN 26866 GALERIA NOVE DE MARCO	BDN	brad	00:29:30	up up	0	136	0	2238	0
7/5/2009 18:27:56	mccta01.cta.psys_ATM1/0		BKBC	psys	00:37:48	up up	0	73	0	85	0
7/5/2009 18:28:37	rccta04.cta.brad_Serial1/1:30	BDN 14223 CAMARGO CORREIA	BDN	brad	00:44:17	up up	0	71	0	820	0
7/5/2009 18:28:30	rcpae04.pae.brad_Serial2/1:5	BDN 0395 ZAFFARI SUPERM BOURBON	BDN	brad	00:34:24	up up	0	54	0	118	0

GPA CI – CRC Interface info

menu principal caixa

BKB CRIT INT. - Thu Mar 5 09:36:22 BRT 2009

ok	crc	int errs	+80%	Falha	CHK
456	7	13	0	15	15

Descricao

data	Hostname	Serial	Servico		
Thu Mar 5 09:36:35 BRT 2009 Thu Mar 5 09:36:35 BRT 2009	mbpat01.pat.psys	Serial10/0/2:0	< E1 EBT SPO 2BT STS JP DPDV 0001> % mcsts01.sts.psys_S0/0/1 # Uplink para MCSTS01 via circuito direto $ BKB !1	BKB - crc: 1371 last clear: 03:49:38	check
Thu Mar 5 09:26:12 BRT 2009 Thu Mar 5 09:36:13 BRT 2009	mccta03.cta.psys	ATM1/0	% IGCTA04_Line 3.3 # Conexao Backbone IGX $ BKBC ! 1	BKBC - crc: 1034 last clear: 03:50:10	check
Thu Mar 5 09:26:12 BRT 2009 Thu Mar 5 09:36:13 BRT 2009	mccta03.cta.psys	ATM1/0.592	% IGCTA04_Line 3.3.1.592 % mcfns02_Serial0/0/0.612 # UPLINK PARA MCFNS02 $ BKBC !1	BKBC - crc: 1034 last clear: 03:50:10	check

GPA BDC-R – Configuration base and robot

- The BDC-R backup network devices configuration through telnet/ssh data collection, and when template rules are configured, it is capable of managing the configuration applied to devices installed on the network, generating a series of template check alarms.

GPA BDC-R: Device Configuration Detail

http://10.98.22.10/bdc2.0/views/bdc.asp

Arquivo Editar Exibir Favoritos Ferramentas Ajuda

Google Pesquisar

NOC - INTRANET

NOC Boa Tarde! quarta-feira, 4 de março de 2009 -

HOME | DIÁRIO | TOPOLOGIAS | TELEFONES | FAP'S | ESCALATION

CONSULTA RÁPIDA: Links Backbone LOCALIZAR

CONTROLES	INCLUIR EQPTO	BACKBONE	NOVO	VERIFICAR
	BFIN	BRAD-ALTA	DTOT	telefones

consultar por: Localizar

FILTRO REGIONAL	norte nordeste (sdr)	centro-sudeste	rio de janeiro	são paulo
FILTRO CLIENTE	brad	bfin	bseg	rccf

TODAS AS REGIONAIS

total de registros encont

	PRIME ID	hostname	usuario
detalhe +config +interfaces +sag +offline	PSYS#POP-OCO#01	rcoco01.oco.brad	Gerenciamento PrimeSy 25711 PAA AGUA BR
detalhe +config +interfaces +sag +offline	BRAD#30/21634#01	rcoco02.oco.brad	BDN 7902 - ATM CPE
detalhe			BDN 3079 - ATM CIA

http://10.98.22.13/nc

Google

Arquivo Editar Exibir Favoritos Ferramentas Ajuda

Google Pesquisar Fazer login

http://10.98.22.13/noc_c...

```
data coleta: 2009-03-03
172.25.46.1
Trying 172.25.46.1 ... Open

*****************************************************
* ATENCAO!! ESTE SISTEMA EH RESTRITO APENAS A PESSOAS
* Se voce nao tem ou nao sabe se tem a autorizacao nec
* acesso a este sistema, desconecte-se agora.
* Toda acao executada neste sistema eh logada, podendo
* serem utilizadas para quaisquer fim definidos pelo p
* Se voce nao concorda com esta politica, desconecte-s
*****************************************************


User Access Verification

Username: ps0417
Password:

rcoco01.oco.brad>term len 0
rcoco01.oco.brad>enable
Password:
rcoco01.oco.brad#show ver
Cisco Internetwork Operating System Software
IOS (tm) 3600 Software (C3660-IS-M), Version 12.2(26a)
Copyright (c) 1986-2005 by cisco Systems, Inc.
Compiled Fri 15-Apr-05 14:01 by kellmill
Image text-base: 0x60008940, data-base: 0x611A0000

ROM: System Bootstrap, Version 12.0(6r)T, RELEASE SOFT

rcoco01.oco.brad uptime is 24 weeks, 3 days, 19 hours,
System returned to ROM by bus error at PC 0x60ABFF00,
```

Concluído Internet 100%

GPA BDC-R Configuration check template

Total de Registros: **468**

hostname	data coleta	ip_loopback_host	obs	status	
RS_10_174_63_1	2009-02-12 09:35:05		cpe:: -->class: ok ;policy: erro ;lan: ok ;wan: ok ;sub interface: ok ;rotas: ok ;access-list: ok ;map clas: ok pe::: -->interface config: ok	2-erro	detalhes

Fechar

cpe:: -->class: ok ;policy: erro ;lan: ok ;wan: ok ;sub interface: ok ;rotas: ok ;access-list: ok ;map clas: ok
pe::: -->interface config: ok

Resultado do Teste:
Teste de class map: ok class map: class-map match-all NetworkControl match ip dscp cs2:y match access-group ACL_SUPORTE
Teste de Policy map: erro
policy-map ECT/CE/LOTE2/64KBPS : y
class NetworkControl: y
set ip dscp cs2 : y
priority percent : y
priority percent : 13 : >> 0 Kbps
class class-default : y
fair-queue : y
random-detect dscp-based : y

Teste de Lan: ok

FastEthernet0/0 -- ip route-cache flow: y

GPA CTC - Configuration Task Control

- Allows you to control the configuration request flow on network devices
- Schedule activities
- Record the history of settings applied on the network
- Proactive analysis of existing configuration templates on the network
- Records the history of settings made.

GPA CTC – Inbox Configuration Tasks

MENU CONTROLE DE TAREFAS - NOC

MENU	IGX	CR	CS	SMP		
	REDE IGX	CONF. ROTEADORES	CISCO SECURE	SMP	sumário	caixa de entrada

LEGEGENDA DE CRITICIDADE: ALTA - APÓS AS 21 HS | MÉDIA- EQPTO BKB | BAIXA - EQPTO CPE | AGE VOIP - NÃO APLICAR ACL 2A REDE

INCLUIR TAREFA | VER SOLICITAÇÕES | VER PROGRAMADAS | RPA BRADESCO | VER EXECUTADAS | PARCIALMENTE EXECUTADO | VER RECUSADAS | pesquisa avançada

Número de Registros: 2 - [1] -

CONFIGURAÇÃO DE ROTEADORES 2.0

	Criticidade	Equipamento	Data / Hora	Solicitação	Prioridade - Área	Ambiente	Observação	Execução
detalhes atualizar replicar	Alta	mcbhe01.bhe.psys	5/3/2009 às 09:00:18	Inclusão / Alteração de Configuração -- Outros. para:t.samuel.silva	Critica - Após as 21:00hs - noc	UNIBANCO		em análise Validação:
detalhes atualizar replicar	Alta	mccpe01.cpe.psys	5/3/2009 às 08:52:46	Inclusão / Alteração de Configuração -- Outros. para:t.samuel.silva	Critica - Após as 21:00hs - noc	UNIBANCO		em análise Validação:

GPA CTC: Summary Configuration Report

Data:	Solicitação:	total Executado:
4/3/2009 - quarta-feira	Config. IP - Interface	7
4/3/2009 - quarta-feira	Inclusão / Alteração de Lista Acesso	3
4/3/2009 - quarta-feira	Inclusão / Alteração de Configuração -- Outros.	35
3/3/2009 - terça-feira	Config. IP - Interface	11
3/3/2009 - terça-feira	Inclusão / Alteração de Lista Acesso	6
3/3/2009 - terça-feira	Inclusão / Alteração de Configuração -- Outros.	31
2/3/2009 - segunda-feira	Config. IP - Interface	4
2/3/2009 - segunda-feira	Inclusão / Alteração de Configuração -- Outros.	26
1/3/2009 - domingo	Inclusão / Alteração de Configuração -- Outros.	1
27/2/2009 - sexta-feira	Config. IP - Interface	15
27/2/2009 - sexta-feira	Inclusão / Alteração de Configuração -- Outros.	32
26/2/2009 - quinta-feira	Config. IP - Interface	18
26/2/2009 - quinta-feira	Inclusão / Alteração de Lista Acesso	1
26/2/2009 - quinta-feira	Inclusão / Alteração de Configuração -- Outros.	39
25/2/2009 - quarta-feira	Inclusão / Alteração de Lista Acesso	1
25/2/2009 - quarta-feira	Inclusão / Alteração de Configuração -- Outros.	1
Total de Solicitações atendidas no periodo:		231

GPA CA – ACCESS CONTROL

- ACCESS CONTROL TO NETWORK DEVICES WITH TACACS+ AUTHENTICATION
- ACCESS CONTROL FOR CONSOLE PASSWORDS (OFFLINE PASSWORDS)
- MANAGEMENT AND AUTOMATIC CHANGE OF CONSOLE PASSWORDS (OFFLINE PASSWORD)

COMPARATIVE CHART 2012

Ferramenta	Tipo	Custo Software	Tempo de instalação	Itens Atendidos
Solução Proprietaria	GPA	médio	adaptação continua	1,2,3,4,5,6,7
Concord	proprietario	alto – licensa BRASSOFT	médio	1,3 e 6
Solarwinds	proprietario	alto – licensa sun	alto	1,2,3
Tivoli - IBM	proprietario	alto – licensa ibm	alto	1,3,6
MRTG	open source	baixo	baixo	6,7
Cacti	open source	baixo	alto	1,6
Smokeping	open source	baixo	baixo	6
Nagios	open source	baixo	médio	1,3,6
Zabbix:	open source	baixo	médio	1,2,3,6

LEGENDA	
	GPA
	FERRAMENTAS DE MERCADO COM PAGAMENTO DE LICENSA
	FERRAMENTAS OPEN SOURCE DE MERCADO

- Connectivity control of managed devices (network inventory database).
- Segmentation of management environments (pooling) to quick alarms management.
- Connectivity management (ping) of network devices.
- Automatic management and analysis of network devices logs.
- Configuration management of network devices.
- Control of errors, latency, CPU consumption, memory, routes, power supply, installed cards, etc.
- Customize the tools to the work system and needs of each company.