

MY LAB33

Audit de l'infrastructure de sauvegarde NetWorker / DataDomain

Configuration

Serveur NetWorker

hostname	server OS type	timezone offset	version	datazone id	parallelism	Jobsdb retention in hours	save totals	VMWS enable
	Windows NT Server on Intel	GMT-0400	\\NetWorker 8.2.4.11.Build.1471 NetWorker Source Capacity Data Zone Enabler		40	72	"539 session(s), 5773 GB total"	Yes

Licences

[illegible]

Pools

name	Recycle from other pools	Recycle to other pools
7 jours	No	No
1 mois	No	No
15 jours	Yes	Yes
2 mois	No	No
Default	No	No

Policies

name	number of periods	period
2 mois	2	Months
01_semaine	1	Weeks
02_semaines	2	Weeks

Schedules

name	period	action	override	name	period	action	override
incr tous les jours sauf le dimanche	Week	skip incr incr incr incr incr incr incr		Full Synth Ven Inc Sem	Week	incr incr incr incr incr incr incr incr	
Full mercredi Skip jeudi Inc autres jours	Week	incr incr incr full skip incr incr		Full lundi Skip mardi Inc autres jours	Week	incr full skip incr incr incr incr	
Full chaque Jeudi	Week	skip skip skip skip full skip skip		sch full vadv lundi	Week	skip full skip skip skip skip skip	
sch full vadv jeudi	Week	skip skip skip skip full skip skip		Incr+Synthetic Full 1st Friday of Month	Month	"incr incr incr incr incr incr incr incr	incr_synth_full first friday every month
inc tous les jours	Week	incr incr incr incr incr incr incr incr		sch full vadv vendredi	Week	skip skip skip skip skip skip full skip	
Full mardi Skip mercredi Inc autres	Week	incr incr full skip incr incr incr		Full Synth Mer Inc Sem	Week	incr incr incr incr incr incr	
Full samedi Incr autres jours	Week	incr incr incr incr incr incr incr full		Full on 1st of Month	Month	"full incr incr incr incr incr incr incr	
Full vendredi Skip samedi Inc autres jours	Week	incr incr incr incr incr incr full skip		Full le mardi	Week	skip skip skip skip skip skip skip full	
Full mardi Inc autres jours	Week	incr incr full incr incr incr incr		sch full vadv samedi	Week	skip skip skip skip skip skip skip full	
sch Lotus Domino	Week	full skip skip full skip skip skip		Full Synth Lun Inc Sem	Week	incr incr_synth_full incr incr incr incr	
VMware Incremental Forever	Month	" incr incr incr incr incr incr		Full le dimanche	Week	full skip skip skip skip skip skip	
Full Synth Mar Inc Sem	Week	incr incr incr_synth_full incr incr incr incr		Full le dernier dimanche	Month	skip	full last sunday every month
Full le dimanche Incr les autres jours	Week	full incr incr incr incr incr incr		Full dimanche Skip lundi Inc autres jours	Week	full skip incr incr incr incr incr	
Full Synth Dim Inc Sem	Week	incr_synth_full incr incr incr incr incr		sch full vadv mardi	Week	skip skip full skip skip skip skip	
Full mercredi Incr autres jours	Week	incr incr incr full incr incr incr		Incr+Synthetic Full Every Friday	Week	incr incr incr incr incr incr incr_synth_full incr	
sch full vadv mercredi	Week	skip skip skip full skip skip skip		Full Synth Jeu Inc Sem	Week	incr incr incr incr incr incr incr_synth_full incr	
Incr+Synthetic Full Quarterly	Month	"5 incr incr incr incr incr incr incr 7 incr incr incr incr	incr_synth_full every quarter	Full jeudi Skip Vendredi Inc autres jours	Week	incr incr incr incr full skip incr	
sch full vadv dimanche	Week	full skip skip skip skip skip skip	skip 6/7/2017	Full vendredi Inc autres jours	Week	incr incr incr incr incr incr full incr	
Incr+Synthetic Full on 1st of Month	Month	"incr_synth_full incr incr incr incr incr		Full jeudi Incr autres jours	Week	incr incr incr incr full incr incr	
Full samedi Skip dimanche Inc autres	Week	skip incr incr incr incr incr full					
Full chaque Lundi	Week	skip full skip skip skip skip skip					
Full le dimanche sauf le dernier	Week	full skip skip skip skip skip skip	skip 3/28/2021 skip 2/28/2021				

Librairie

name	number drives	max parallelism	control port	hardware id	current capacity	physical slots	volumes	load sleep	eject sleep	unload sleep	virtual jukebox	auto media management
STK@36.0.0	24	12	scsdev@36.0.0	STK L180 ATNN=STK L180 5000060000	70 TB, "7 jours: 724 GB », "1 mois: 52 TB », "15 jours: 16 TB », "2 mois: 0 KB », "Default: 955 GB"	1, 2950	2950	5	5	5	No	Yes

Devices

name	media type	target sessions	max sessions	CDI
"\\.\Tape10"	LTO Ultrium-4	1	32	SCSI commands
"\\.\Tape0"	LTO Ultrium-4	1	32	SCSI commands
"\\.\Tape14"	LTO Ultrium-4	1	32	SCSI commands
"\\.\Tape9"	LTO Ultrium-4	1	32	SCSI commands
"\\.\Tape23"	LTO Ultrium-4	1	32	SCSI commands
"\\.\Tape13"	LTO Ultrium-4	1	32	Not used
"\\.\Tape8"	LTO Ultrium-4	1	32	SCSI commands
"\\.\Tape22"	LTO Ultrium-4	1	32	SCSI commands
"\\.\Tape12"	LTO Ultrium-4	1	32	SCSI commands
"\\.\Tape7"	LTO Ultrium-4	1	32	SCSI commands
"\\.\Tape21"	LTO Ultrium-4	1	32	SCSI commands
...				
"\\.\Tape1"	LTO Ultrium-4	1	32	SCSI commands
"\\.\Tape15"	LTO Ultrium-4	1	32	SCSI commands

Clients

name	aliases	comment	group	save set	schedule	scheduled backup	browse policy	retention policy	Pool
aaa		Fichiers	APPLI_BO	"E:\\" "C:\\"	Full Synth Lun Inc Sem	Enabled	02_semaines	02_semaines	15 jours
bbb		Fichiers	APPLI_BO	"E:\\" "C:\\"	Full Synth Lun Inc Sem	Enabled	02_semaines	02_semaines	15 jours
ccc		Fichiers	APPLI_BO	All	Full Synth Lun Inc Sem	Enabled	02_semaines	02_semaines	15 jours
ddd		Fichiers	APPLI_BO	All	Full Synth Lun Inc Sem	Enabled	02_semaines	02_semaines	15 jours
eee		FULL VADP	VADP_BO	*FULL*	sch full vadp mardi	Enabled	02_semaines	02_semaines	15 jours
fff		FULL VADP	VADP_BO	*FULL*	sch full vadp mardi	Enabled	02_semaines	02_semaines	15 jours
ggg		FULL VADP	VADP_BO	*FULL*	sch full vadp mardi	Enabled	02_semaines	02_semaines	15 jours
hhh		FULL VADP	VADP_BO	*FULL*	sch full vadp mardi	Enabled	02_semaines	02_semaines	15 jours
iii		FULL VADP		*FULL*	sch full vadp mercredi	Enabled	02_semaines	02_semaines	15 jours
jjj				"NMCASA:/ gst_on_dc1- ntw01/lgto_gst"	Default	Disabled	Month	Quarter	Default
kkk				All	Default	Enabled	Week	Week	
lll		PROXY VADP		All	Default	Enabled	02_semaines	02_semaines	

Groups

name	start time	autostart	client retries	savegrp parallelism	options
APPLI_GMAO	"18:00"	Enabled	1	0	Verify synthetic full Revert to full when synthetic full fails Manual restart
APPLI_MINFRA_TEST	"23:00"	Enabled	1	0	Verify synthetic full Revert to full when synthetic full fails Manual restart
VADP_Infra	"20:00"	Enabled	1	0	Verify synthetic full Revert to full when synthetic full fails Manual restart
APPLI_REFERENCE	"19:00"	Enabled	1	0	Verify synthetic full Revert to full when synthetic full fails Manual restart
APPLI_PAYE	"12:00"	Disabled	1	0	Verify synthetic full Revert to full when synthetic full fails
VADP_GMAO	"16:00"	Enabled	1	0	Verify synthetic full Revert to full when synthetic full fails Manual restart
VADP_BO	"17:00"	Enabled	1	0	Verify synthetic full Revert to full when synthetic full fails Manual restart
Test	"21:00"	Disabled	1	0	Verify synthetic full Revert to full when synthetic full fails Manual restart
APPLI_ACTES_TEST	"19:00"	Enabled	1	0	Verify synthetic full Revert to full when synthetic full fails Manual restart
VADP_Labos	"13:00"	Enabled	1	0	Verify synthetic full Revert to full when synthetic full fails Manual restart
VADP_MINFRA	"22:30"	Enabled	1	0	Verify synthetic full Revert to full when synthetic full fails Manual restart

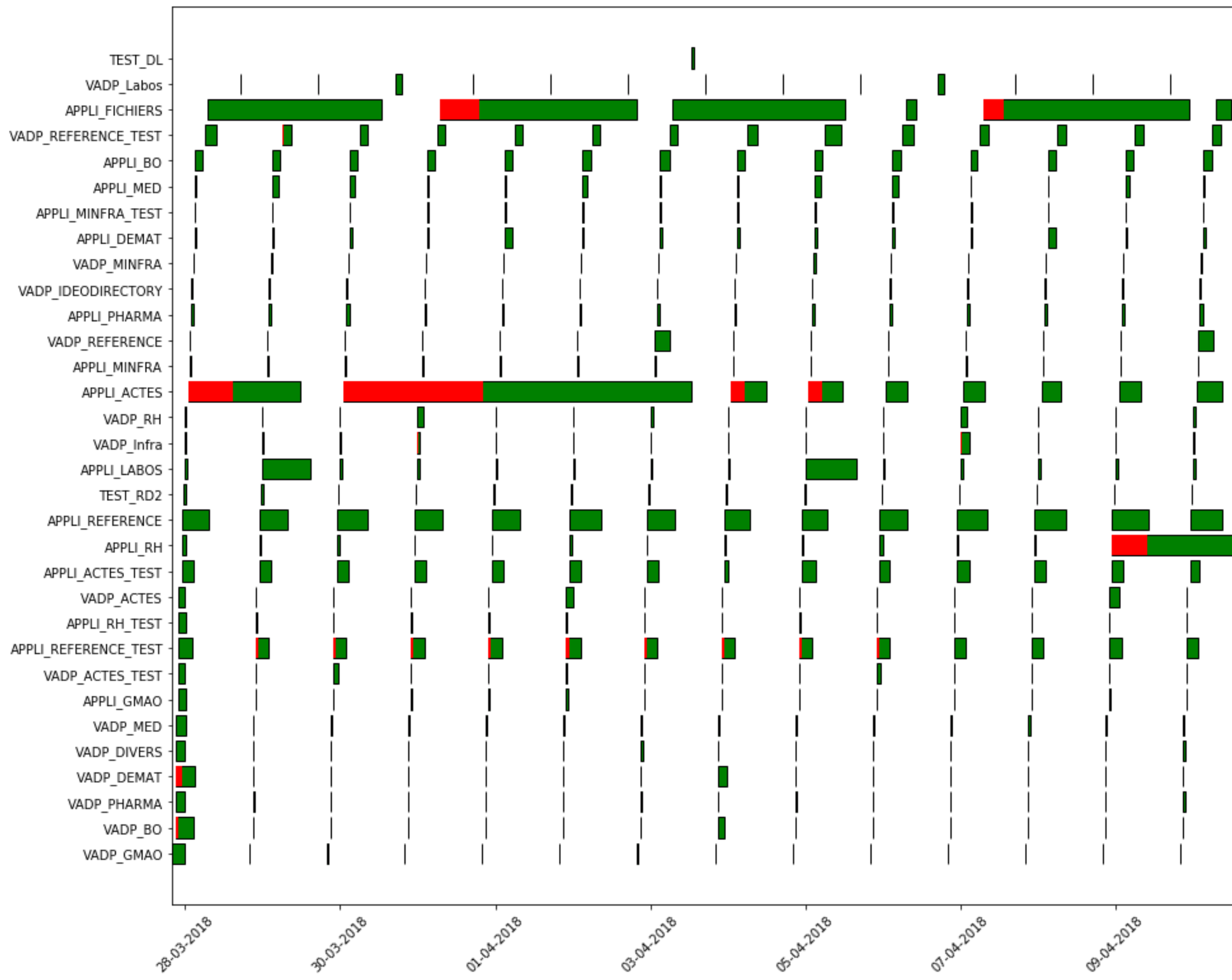
Observations

- "Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum."

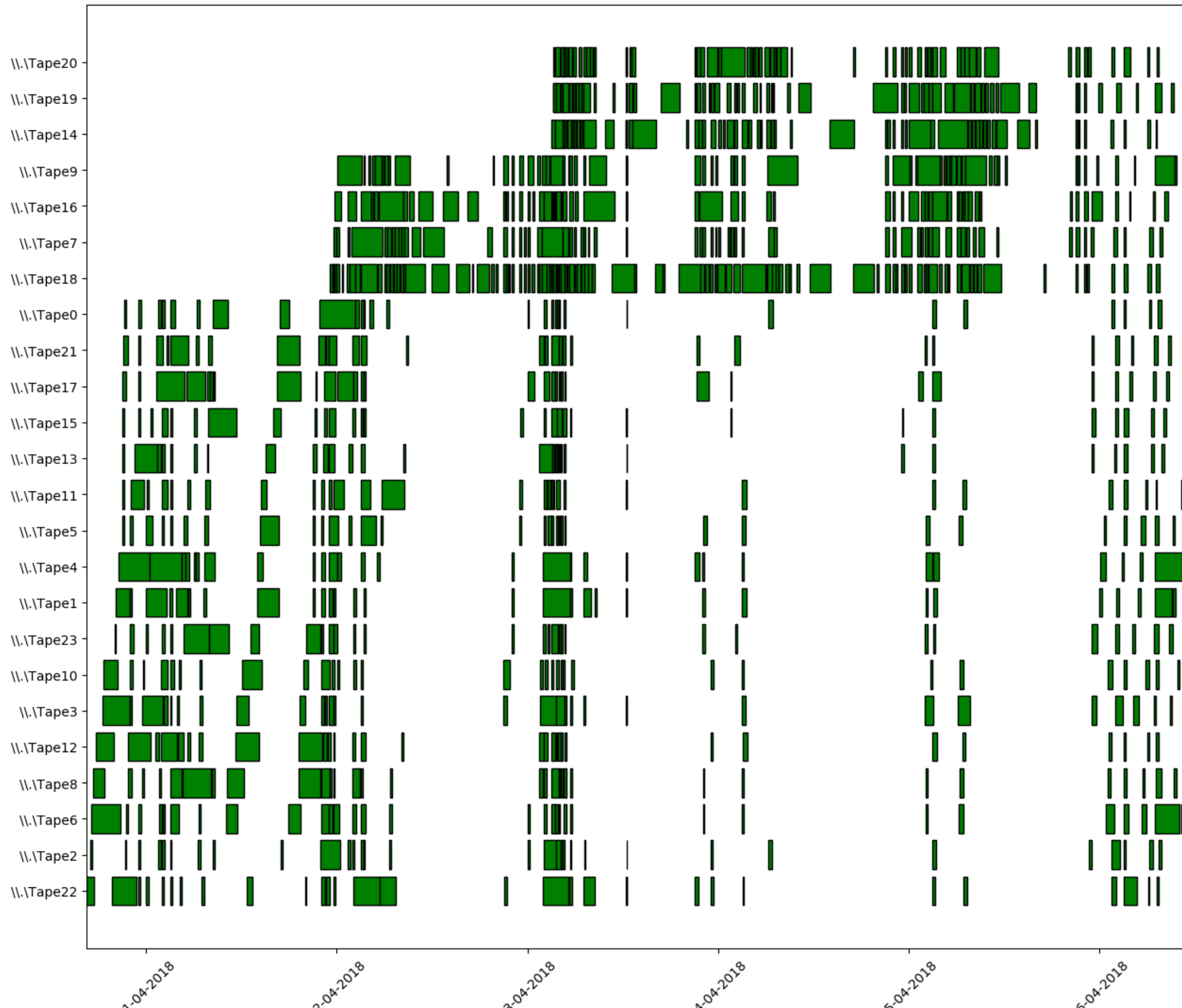
Analyse des logs avant modifications

Période du 27 mars au 11 avril 2018

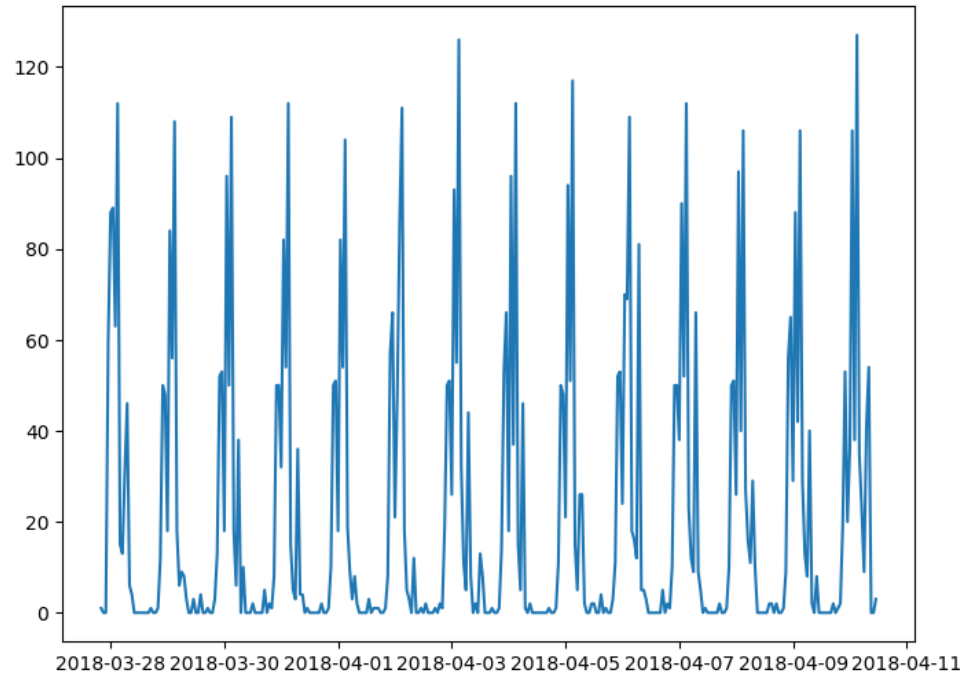
Schedule des groupes de sauvegarde



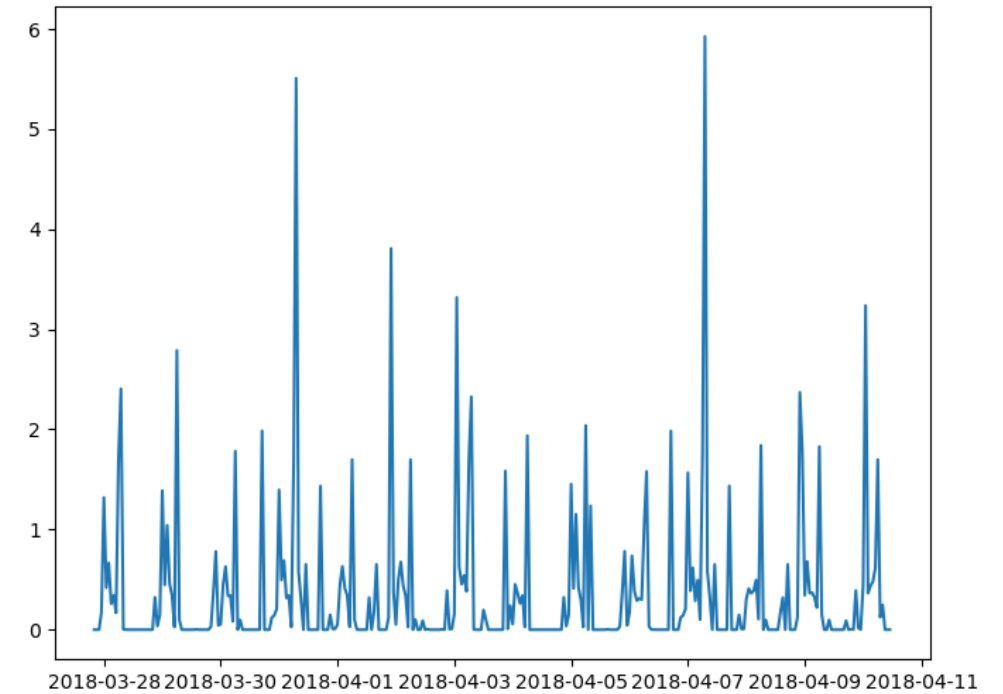
Utilisation des lecteurs



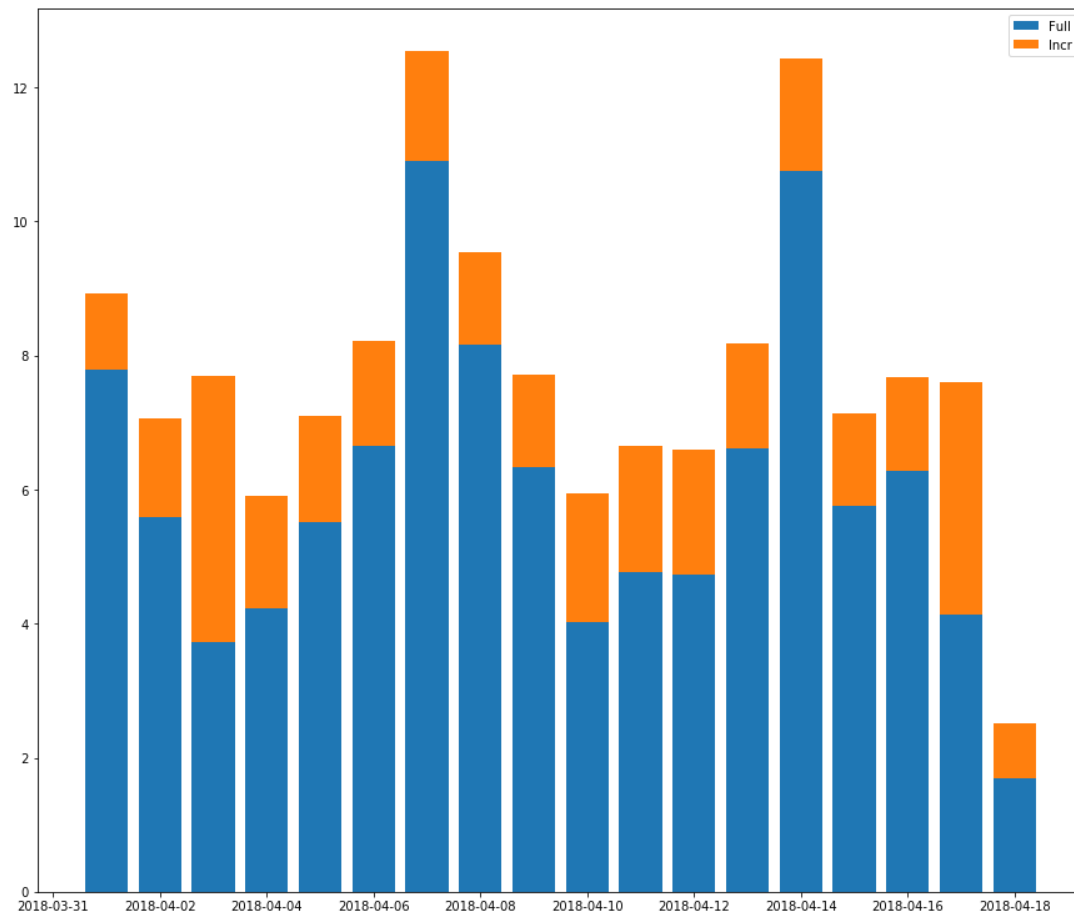
Sessions



Bande passante max (To/h)



Volumétrie sauvegardée (To)



DataDomain

DC1-DD2500					
VERSION=Data Domain OS 5.4.2.1-423209					
SYSTEM_ID=XXXXXX					
SERVICE_TAG=YYYYYY					
MODEL_NO=DD2500					
Filesystem has been up 736 days					
===== SERVER USAGE =====					
Resource	Size GiB	Used GiB	Avail GiB	Use%	Cleanable GiB*
-----	-----	-----	-----	----	-----
/data: post-comp	40324.9	25641.6	14683.2	64%	363.2
Pre-Comp	Post-Comp	Global-Comp	Local-Comp	Total-Comp	
-----	-----	-----	-----	-----	-----
Currently Used:	288901.7	25641.6	-	-	11.3x (91.1)

Top 10 volumétrie

client	sset	size (GB)
aaa	FULLVM	2658
bbb	FULLVM	2335
ccc	F:\	2165
ddd	E:\	1999
eee	FULLVM	1848
fff	FULLVM	1598
ggg	FULLVM	1593
hhh	E:\	1439
iii	E:\	1258
jjj	FULLVM	1237

Top 10 échecs sauvegarde

group	% failed
APPLI_ACTES	17.78
APPLI_REFERENCE_TEST	12.86
APPLI_FICHIERS	5.00
VADP_Infra	3.57
VADP_MINFRA	2.86
VADP_DEMAT	2.38
APPLI_RH	2.20
VADP_BO	1.43
VADP_REFERENCE_TEST	1.19
APPLI_ACTES_TEST	0.00
Datazone	1.5

Top 10 durée

client	sset	duration
aaa	F:\	3 days 14:13:41
bbb	E:\	3 days 14:12:27
ccc	E:\	2 days 02:43:33
ddd	FULLVM	1 days 18:51:34
eee	FULLVM	1 days 16:46:26
fff	FULLVM	1 days 16:43:32
ggg	C:\	1 days 13:53:26
hhh	E:\	1 days 13:53:24
iii	FULLVM	1 days 11:46:44
jjj	FULLVM	1 days 11:04:09

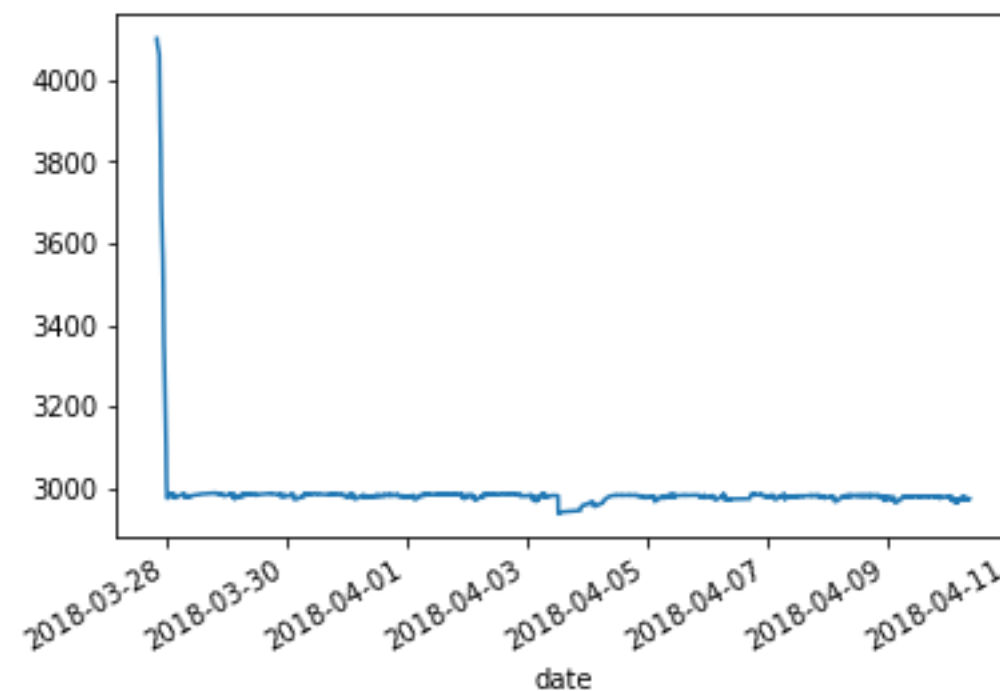
Top 10 taille

client	sset	size (GB)
aaa	FULLVM	104.00
bbb	F:\	104.00
ccc	H:\	104.00
ddd	D:\	104.00
eee	E:\	104.00
fff	F:\	104.00
ggg	E:\	104.00
hhh	E:\	104.00
iii	F:\	104.00
jjj	G:\	104.00

Pools

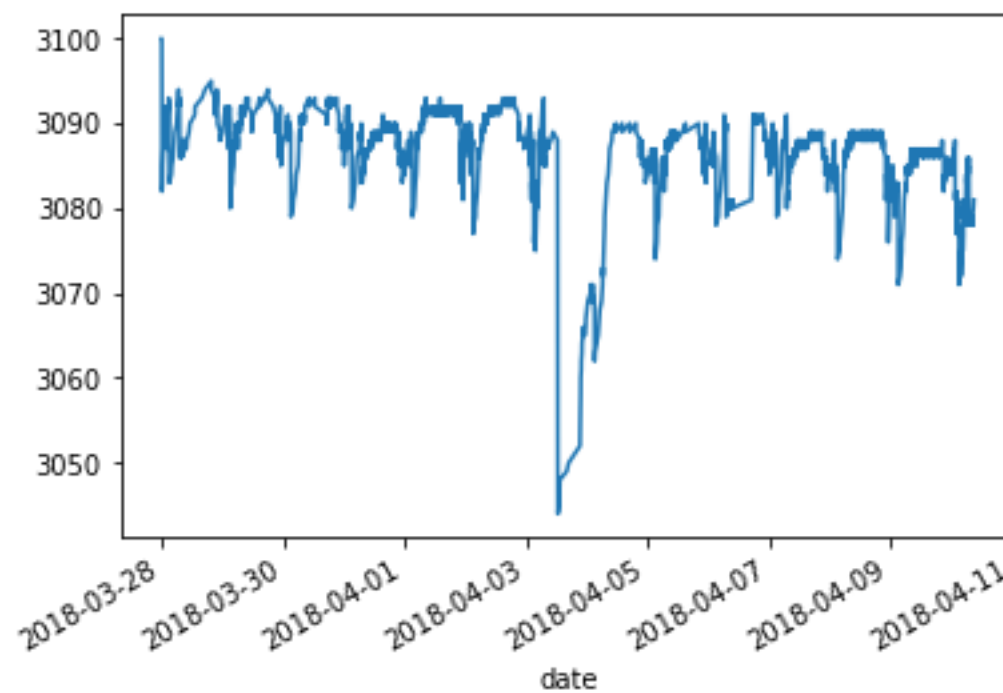
pool	# tapes	size (TB)
1 mois	1426	148,30
15 jours	1457	151,53
7 jours	33	3,43
Default	30	3,12
Total	2946	306,38

Nombre de bandes full



Bandes waiting Critical

date	waiting
2018-03-27 20:00:00	1
2018-03-27 21:00:00	103
2018-03-27 22:00:00	435
2018-03-27 23:00:00	1095
2018-03-28 00:00:00	163



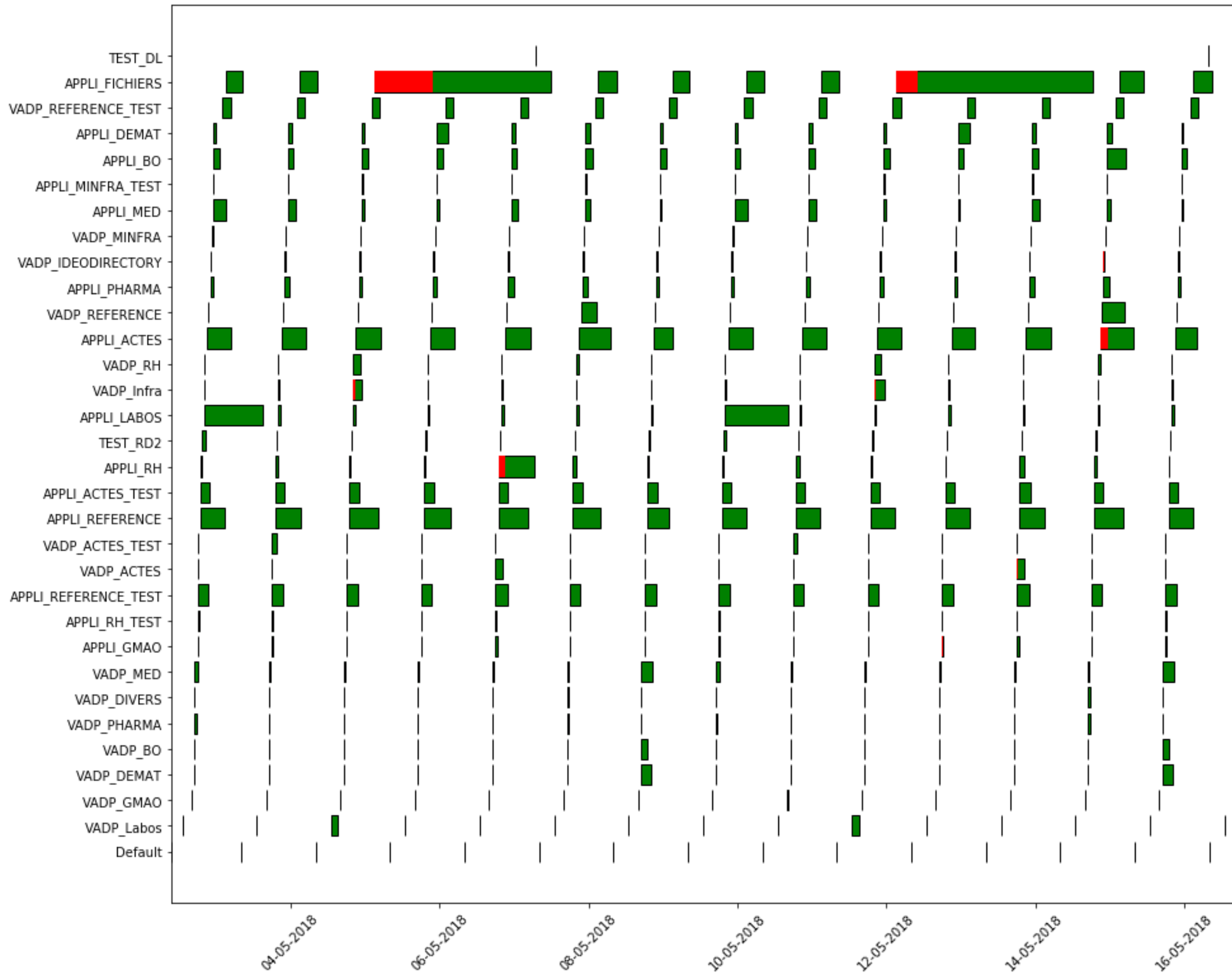
Actions menées

- "Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum."

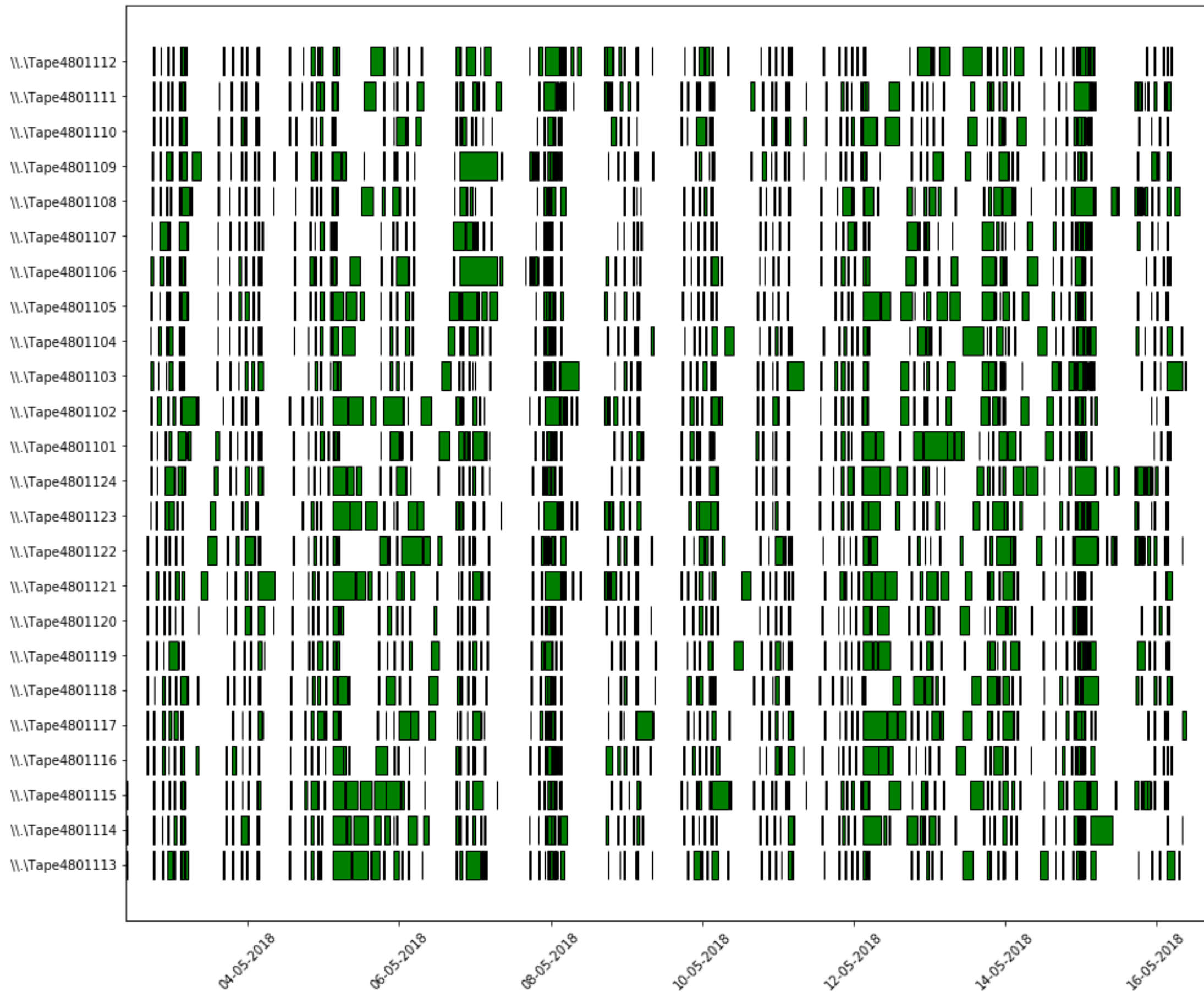
Analyse des logs après modifications

Période du 02 mai au 16 mai 2018

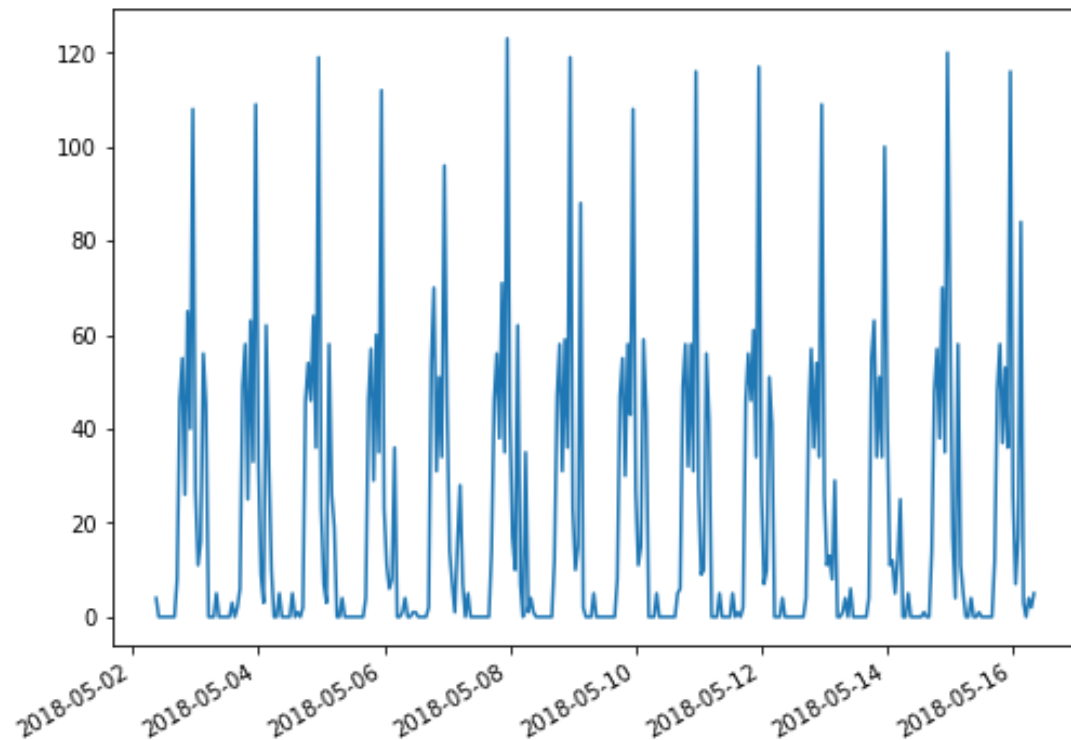
Schedule des groupes de sauvegarde



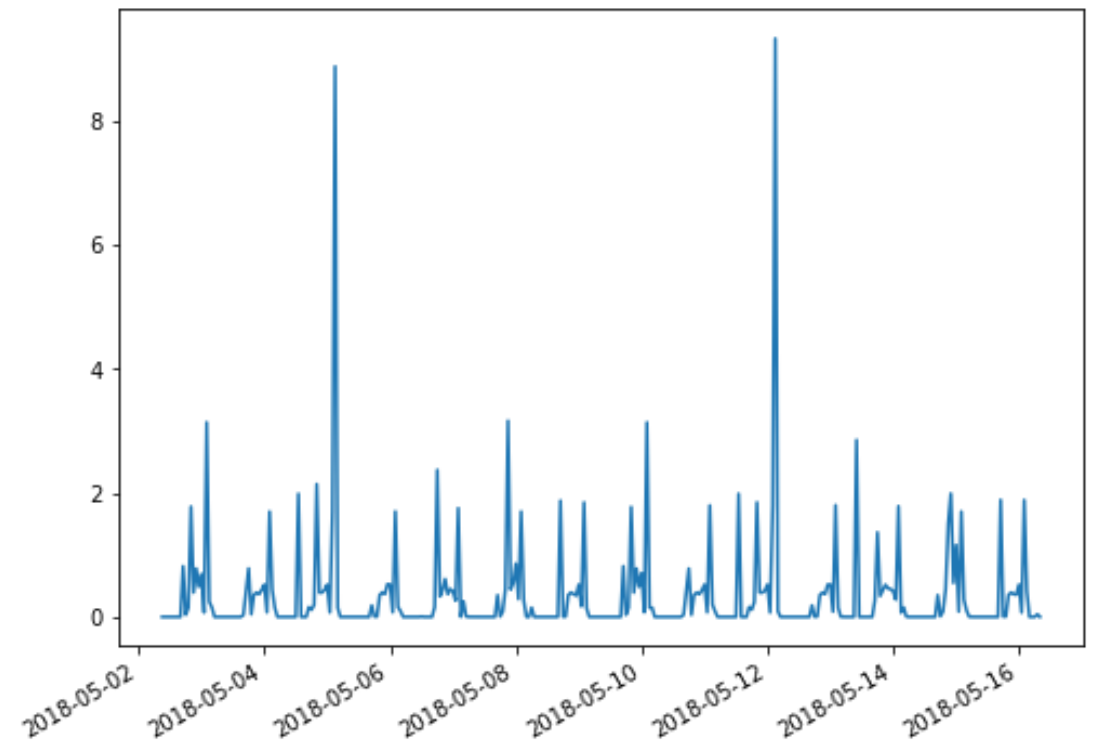
Utilisation des lecteurs



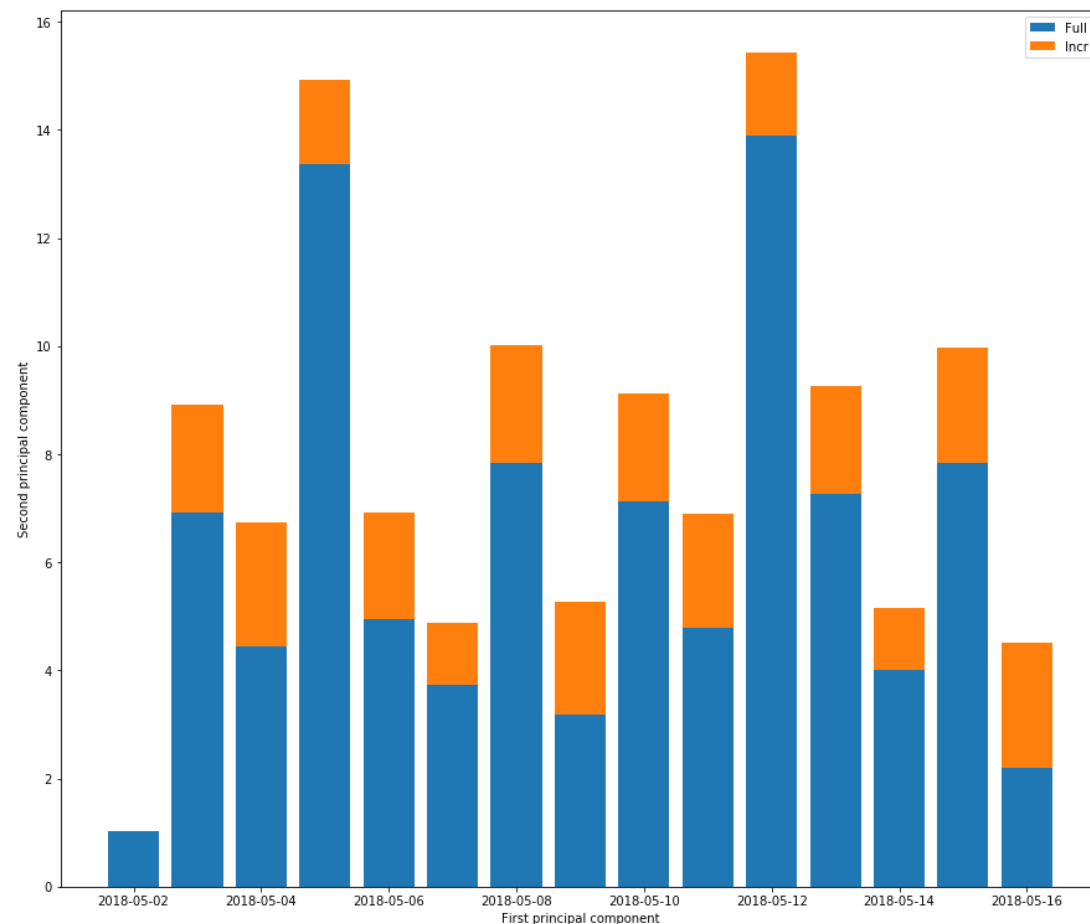
Sessions



Bande passante max (To/h)



Volumétrie sauvegardée (To)



DataDomain

DC1-DD2500					
VERSION=Data Domain OS 5.4.2.1-423209					
SYSTEM_ID=XXXX					
SERVICE_TAG=YYYYY					
MODEL_NO=DD2500					
Filesystem has been up 736 days					
===== SERVER USAGE =====					
Resource	Size GiB	Used GiB	Avail GiB	Use%	Cleanable GiB*
-----	-----	-----	-----	----	-----
/data: post-comp	40324.9	25641.6	14683.2	64%	363.2
Pre-Comp	Post-Comp	Global-Comp	Local-Comp	Total-Comp	
-----	-----	-----	-----	-----	-----
Currently Used:	288901.7	25641.6	-	-	11.3x (91.1)

Top 10 volumétrie

client	sset	size (GB)
aaa	F:\	2,240.02
bbb	E:\	2,075.79
ccc	FULLVM	1,636.46
ddd	FULLVM	1,632.18
eee	E:\	1,520.89
fff	E:\	1,357.85
ggg	FULLVM	1,267.07
hhh	FULLVM	1,052.32
iii	FULLVM	1,030.84
jjj	FULLVM	923.46

Top 10 échecs sauvegarde

group	% failed
APPLI_GMAO	0.07
APPLI_FICHIERS	0.04
VADP_Infra	0.04
APPLI_RH	0.02
APPLI_ACTES	0.02
VADP_IDEODIRECTORY	0.02
VADP_ACTES	0.01
VADP_RH	0.01
APPLI_ACTES_TEST	0.00
APPLI_BO	0.00
Datazone	0.7

Top 10 durée

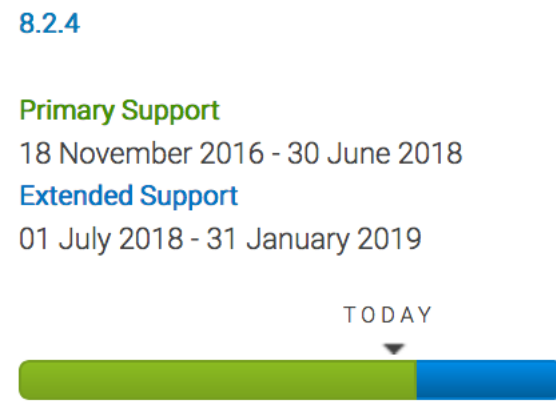
client	sset	duration
aaa	F:\	2 days 11:56:55
bbb	E:\	2 days 05:31:24
ccc	E:\	1 days 08:29:01
ddd	D:\Sauvegarde	1 days 03:51:06
eee	E:\	0 days 20:00:05
fff	H:\	0 days 14:46:46
ggg	E:\	0 days 11:38:34
hhh	C:\	0 days 11:38:33
iii	F:\	0 days 10:45:59
jjj	E:\	0 days 08:55:18

Top 10 taille

client	sset	size (GB)
aaa	F:\	2187
bbb	E:\	2027
ccc	FULLVM	1598
ddd	FULLVM	1593
eee	E:\	1485
fff	E:\	1326
ggg	FULLVM	1237
hhh	FULLVM	1027
iii	FULLVM	1006
jjj	FULLVM	901

Actions moyen terme

- ajout de slots et de bandes à la robotique virtuelle
- fin de vie NetWorker 8.2



- upgrade DDOS 5.7
- activation DDBOOST
- CBT pour VADP / installation d'une AVE ou passage sur Avamar Virtual Edition ?