centreon

The Power Of Knowing

CENTREON MBI 3.1 samples reports

English version

Table of content

 *All details concerning report parameters and pre-requisites are available on the « Reports » chapter of the documentation.*

Business Activity Monitoring (BAM)

BV-BA-Availabilities-1 This report displays availability and incidents statistics of business activities belonging to a business view. From page 2 of this report, the availability detail of each business activity is displayed on a full page.

FOCUS ON APPLICATION AVAILABILITY

Global DB Oracle Int...	DB-Oracle-CRM	DB-Oracle-Users	DB-Oracle-Accounting...
95.5%	97.74%	98.47%	99.28%

Application are sorted by descending availability. Application with 100% availability are displayed on an alphabetic order.

FOCUS ON UNAVAILABILITY TIME AND EXCEPTION EVENTS

1. Global DB Oracle Integrity	33 h 28 min	99 exceptions
2. DB-Oracle-CRM	16 h 47 min	53 exceptions
3. DB-Oracle-Users	11 h 21 min	28 exceptions
4. DB-Oracle-Accounting	5 h 20 min	18 exceptions

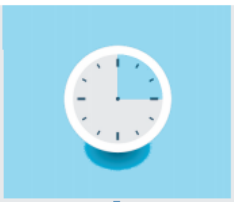
Application are sorted by descending unavailability time and failures. Application without an unavailability time are displayed on an alphabetic order.

PERFORMANCE

Reliability

or MEAN TIME BETWEEN FAILURE (MTBF)

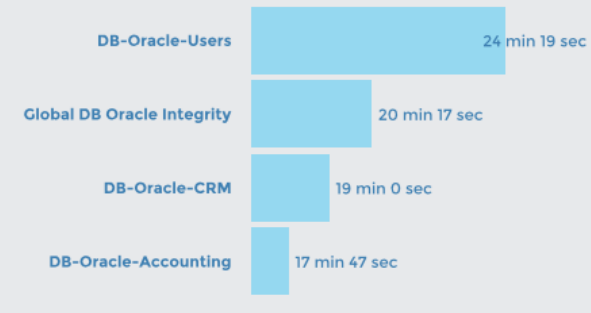
It's the average time between exception events. This indicator enables you to analyze the recurrence of exception events on the applications. If the application is not available or no exception events have been detected, the MTBF cannot be calculated.



Maintenability

or MEAN TIME TO REPAIR SERVICE (MTRS)

It's the average time of the exception events resolution. This indicator enables you to analyze the time to repair the service after an exception. If no exception event have been detected, the MTRS cannot be calculated.



AVAILABILITY

of your APPLICATION

Jan, 01 17 - Feb, 01 17 24x7

centreon business intelligence

DB-Oracle-Accounting

THE AVAILABILITY
Corresponds to the time when the application is working even in a degraded state.

99.28% AVAILABILITY — 1.21

THE UNAVAILABILITY
Corresponds to the time when the application was not accessible at all.

5 h 20 min UNAVAILABLE TIME — -9 h

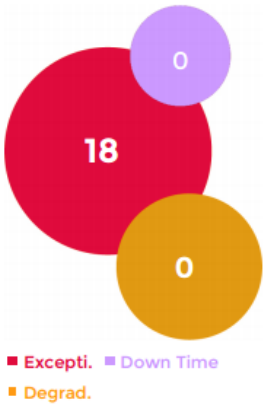
DOWNTIME
Corresponds to the maintenance time programmed on the application. This time is not taken into statistics calculation.

\- DOWNTIME — -

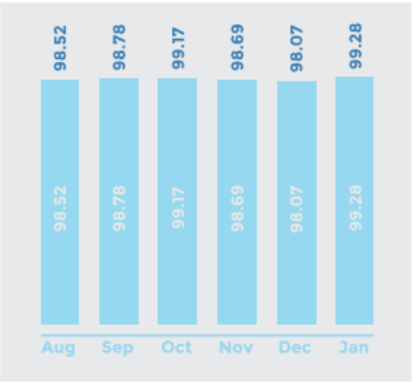
THE PERFORMANCE
Corresponds to the time when the application was available but not degraded.

99.28% performance — 1.21

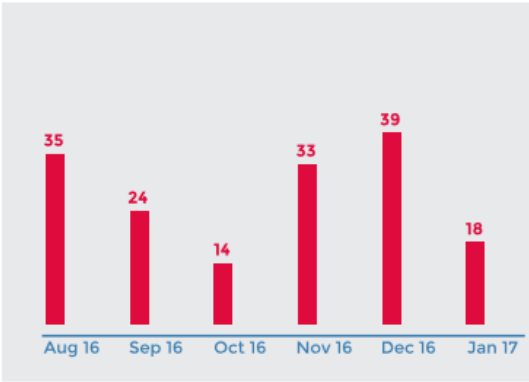
Events on your application



EVOLUTION REGARDING THE AVAILABILITY AND PERFORMANCE



EVOLUTION CONCERNING DEGRADED EVENTS, EXCEPTION EVENTS, AND SCHEDULED DOWNTIME



If the availability is a good indicator to know the quality of service, the number of events is a relevant indicator concerning the application reliability.

AVAILABILITY CALENDAR

MON	TUE	WED	THU	FRI	SAT	SUN
						1 97%
2	3 99%	4	5 98%	6	7	8
9 97%	10 98%	11	12	13	14 97%	15
16	17	18	19 98%	20 97%	21 98%	22 99%
23	24 97%	25	26	27 98%	28	29 98%
30	31 98%					

[0, 100 [= 100 No data

EXCEPTION EVENTS LIST

The following table display a listing of exception events triggered on this application. For each event, all the KPI related to it are displayed.

Exception #1	Start	1/1/17 18:06:14	End	1/1/17 18:36:14	Duration	30 min
srv-oracle-accounting disk-/var		1/1/17 18:06:14		1/1/17 18:36:14		30 min
Exception #2	Start	3/1/17 12:20:15	End	3/1/17 12:25:15	Duration	5 min
srv-oracle-accounting disk-/var		3/1/17 12:20:15		3/1/17 12:25:15		5 min
Exception #3	Start	5/1/17 08:49:16	End	5/1/17 09:14:16	Duration	25 min
srv-oracle-accounting disk-/var		5/1/17 08:49:16		5/1/17 09:14:16		25 min
Exception #4	Start	9/1/17 16:35:18	End	9/1/17 17:10:18	Duration	35 min
srv-oracle-accounting		9/1/17 16:35:18		9/1/17 17:10:18		35 min

BV-BA-Availabilities-Calendar This report displays statistics about business activities availability and incidents. Statistics are displayed by month and by day in calendars

AVAILABILITY AND INCIDENTS BY APPLICATION BY MONTH

% < Critical SLA / SLA Crit. < % < SLA Warn.	2015																		2016					
	Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec		Jan		Feb		Mar	
Global DB Oracle Integrity			96.28%	86	98.62%	37	95.72%	94	96.18%	89	96.78%	70	95.98%	88	96.15%	87	96.24%	89	95.70%	90	95.68%	100	95.49%	99	94.69%	108
Global Offices Availability	97.91%	2	99.71%	13	99.95%	2	99.54%	11	99.68%	10	99.77%	8	99.39%	18	99.39%	17	99.47%	11	99.74%	8	99.40%	15	99.60%	13	99.75%	8
LDAP-IDF	91.89%	5	94.92%	112	99.03%	47	94.44%	110	94.52%	131	93.87%	133	93.74%	123	94.56%	129	94.29%	133	93.73%	151	94.34%	132	93.94%	140	93.88%	151
Mail-IDF	58.52%	25	63.81%	631	85.73%	218	64.91%	617	58.60%	566	61.64%	642	63.77%	574	62.42%	663	60.72%	600	64.68%	603	62.31%	595	63.09%	578	62.14%	616

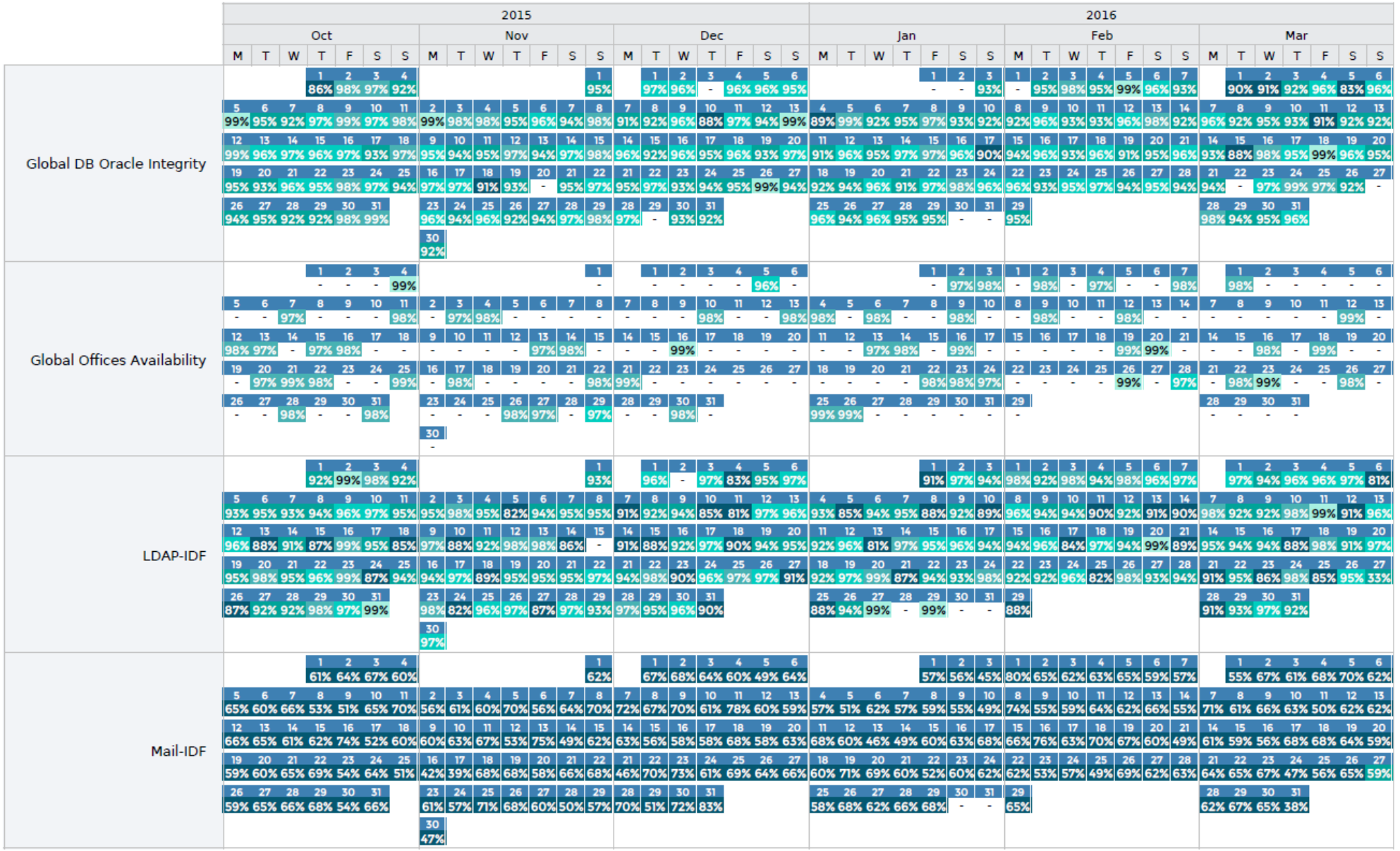
UNAVAILABLE TIME BY BUSINESS ACTIVITY BY MONTH

Time < Critical SLA / SLA Warn. < Time < SLA Crti.	2015										2016		
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Global DB Oracle Integrity		26 h 42 min	10 h 15 min	30 h 28 min	27 h 54 min	23 h 55 min	28 h 56 min	28 h 34 min	27 h 1 min	31 h 56 min	32 h 7 min	31 h 21 min	38 h 20 min
Global Offices Availability	30 min	2 h 5 min	20 min	3 h 18 min	2 h 20 min	1 h 40 min	4 h 20 min	4 h 30 min	3 h 45 min	1 h 55 min	4 h 25 min	2 h 47 min	1 h 50 min
LDAP-IDF	1 h 56 min	36 h 30 min	11 h 39 min	41 h 11 min	42 h 34 min	45 h 31 min	45 h 2 min	40 h 27 min	41 h 2 min	46 h 33 min	42 h 5 min	42 h 8 min	44 h 10 min
Mail-IDF	9 h 57 min	260 h 26 min	106 h 7 min	256 h 37 min	321 h 36 min	285 h 5 min	260 h 47 min	279 h 20 min	282 h 11 min	262 h 28 min	280 h 24 min	256 h 52 min	273 h 59 min

AVAILABILITY BY APPLICATION BY DAY

Unavailable time between | [0 , 10 min [| [10 min ,30 min [| [30 min , 60 min [| [60 min , 2 h [| [2 h , 24h [

Only the last 6 months are displayed on that calendar due to layout limitations



Time period: 24x7

BA-Availability-1 This report displays availability and events statistics for a business activity

AVAILABILITY

of your APPLICATION

Jan, 01 17 - Feb, 01 17 24x7

centreon business intelligence

DB-Oracle-Accounting

THE AVAILABILITY
Corresponds to the time when the application is working even in a degraded state.

99.28% AVAILABILITY — 1.21

THE UNAVAILABILITY
Corresponds to the time when the application was not accessible at all.

5 h 20 min UNAVAILABLE TIME — -9 h

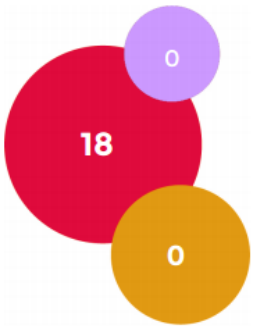
DOWNTIME
Corresponds to the maintenance time programmed on the application. This time is not taken into statistics calculation.

- DOWNTIME — -

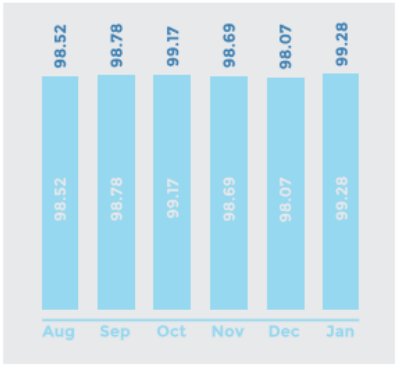
THE PERFORMANCE
Corresponds to the time when the application was available but not degraded.

99.28% performance — 1.21

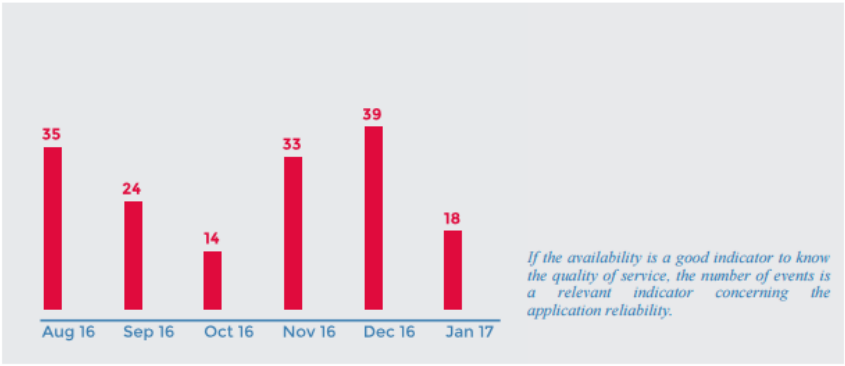
Events on your application



EVOLUTION REGARDING THE AVAILABILITY AND PERFORMANCE



EVOLUTION CONCERNING DEGRADED EVENTS, EXCEPTION EVENTS, AND SCHEDULED DOWNTIME



If the availability is a good indicator to know the quality of service, the number of events is a relevant indicator concerning the application reliability.

AVAILABILITY CALENDAR

MON	TUE	WED	THU	FRI	SAT	SUN
						1 97%
2	3 99%	4	5 98%	6	7	8
9 97%	10 98%	11	12	13	14 97%	15
16	17	18	19 98%	20 97%	21 98%	22 99%
23	24 97%	25	26	27 98%	28	29 98%
30	31 98%					

[0, 100 [= 100 No data

EXCEPTION EVENTS LIST

The following table display a listing of exception events triggered on this application. For each event, all the KPI related to it are displayed.

Exception #1	Start	1/1/17 18:06:14	End	1/1/17 18:36:14	Duration	30 min
srv-oracle-accounting disk-/var		1/1/17 18:06:14		1/1/17 18:36:14		30 min
Exception #2	Start	3/1/17 12:20:15	End	3/1/17 12:25:15	Duration	5 min
srv-oracle-accounting disk-/var		3/1/17 12:20:15		3/1/17 12:25:15		5 min
Exception #3	Start	5/1/17 08:49:16	End	5/1/17 09:14:16	Duration	25 min
srv-oracle-accounting disk-/var		5/1/17 08:49:16		5/1/17 09:14:16		25 min
Exception #4	Start	9/1/17 16:35:18	End	9/1/17 17:10:18	Duration	35 min
srv-oracle-accounting		9/1/17 16:35:18		9/1/17 17:10:18		35 min

Created by Centreon MBI on March 20, 2017 at 10:15 1 / 2

BV-BA-Availabilities-List This report lists statistics of availability, unavailability time, degraded time and alarms of business activities.

AVAILABILITY, UNAVAILABILITY AND ALARMS

		Availability		Unavailability				Degraded			
	Application	Avail.	Evol.	Unav.	Evol.	Alerts	Evol.	Degrad.	Evol.	Alerts	Evol.
	LDAP-IDF 24x7	91.32%	-2.41 %	12 h 40 min	+ 2 h 7 min	31	-7	32 h 54 min	- 7 h 51 min	108	-40
	LDAP-Masters 24x7	99.59%	-0.30 %	36 min	+ 25 min	5	+ 3	18 h 3 min	- 5 h 59 min	53	-9
	LDAP-Scenarios 24x7	94.74%	-2.58 %	8 h	+ 3 h 30 min	7	+ 2	3 h 47 min	+ 38 min	4	0
	LDAP-Slaves 24x7	97.36%	0.08 %	3 h 51 min	- 42 min	23	-7	32 h 22 min	- 8 h 29 min	104	-39
	LDAP-baudelaire-slave 24x7	95.59%	3.61 %	6 h 35 min	- 6 h 53 min	20	-17	3 h 41 min	- 2 h 1 min	14	-3
	LDAP-byron-slave 24x7	93.61%	-0.01 %	9 h 20 min	- 1 h 23 min	23	-12	5 h 14 min	- 33 min	15	-8
	LDAP-keats-master 24x7	93.23%	-0.47 %	9 h 57 min	- 37 min	25	-1	4 h 48 min	- 25 min	14	-2
	LDAP-rilke-slave 24x7	90.88%	-1.68 %	13 h 21 min	+ 51 min	34	0	6 h 34 min	- 13 min	21	-1
	LDAP-shelley-master 24x7	93.95%	1.99 %	8 h 50 min	- 4 h 40 min	27	-9	5 h 13 min	+ 10 min	18	-2
	LDAP-tseliot-slave 24x7	93.48%	0.62 %	9 h 54 min	- 2 h 6 min	25	-8	7 h 2 min	+ 19 min	20	-1
	Load-Balancer-LDAP-IDF 24x7	95.14%	-0.94 %	7 h 15 min	+ 40 min	16	-1	5 h 25 min	+ 35 min	17	-1

BA-Event-List This report displays a list of events appeared on a business activity.

LDAP-KEATS-MASTER

UNAVAILABILITY EVENTS LIST

The following table display a listing of unavailable event on this application. For each application event, all the KPI events related to it are displayed.

Event #1	Start	1/4/16 04:35:27	Duration	35 min	End	1/4/16 05:10:27
ldap-keats-master disk-/var/lib/ldap		1/4/16 04:35:27		35 min		1/4/16 05:10:27
Event #2	Start	1/4/16 06:57:55	Duration	10 min	End	1/4/16 07:07:55
ldap-keats-master ping		1/4/16 06:57:55		10 min		1/4/16 07:07:55
Event #3	Start	1/4/16 09:12:57	Duration	10 min	End	1/4/16 09:22:57
ldap-keats-master ldap-connect		1/4/16 09:12:57		10 min		1/4/16 09:22:57
Event #4	Start	1/4/16 10:42:57	Duration	40 min	End	1/4/16 11:22:57
ldap-keats-master ldap-connect		1/4/16 10:42:57		40 min		1/4/16 11:22:57
Event #5	Start	1/4/16 13:40:55	Duration	15 min	End	1/4/16 13:55:55
ldap-keats-master disk-/var		1/4/16 13:40:55		15 min		1/4/16 13:55:55
Event #6	Start	1/4/16 21:43:01	Duration	30 min 1 sec	End	1/4/16 22:13:02
ldap-keats-master ldap-connect		1/4/16 21:43:01		30 min 1 sec		1/4/16 22:13:02
Event #7	Start	2/4/16 06:28:02	Duration	30 min	End	2/4/16 06:58:02
ldap-keats-master ldap-connect		2/4/16 06:28:02		30 min		2/4/16 06:58:02
Event #8	Start	2/4/16 10:23:02	Duration	35 min	End	2/4/16 10:58:02
ldap-keats-master ldap-connect		2/4/16 10:23:02		35 min		2/4/16 10:58:02
Event #9	Start	2/4/16 12:43:02	Duration	20 min	End	2/4/16 13:03:02
ldap-keats-master ldap-connect		2/4/16 12:43:02		20 min		2/4/16 13:03:02
Event #10	Start	2/4/16 17:08:02	Duration	45 min	End	2/4/16 17:53:02
ldap-keats-master ldap-connect		2/4/16 17:08:02		45 min		2/4/16 17:53:02
Event #11	Start	3/4/16 07:03:02	Duration	45 min	End	3/4/16 07:48:02
ldap-keats-master ldap-connect		3/4/16 07:03:02		45 min		3/4/16 07:48:02
Event #12	Start	3/4/16 12:10:00	Duration	3 min 2 sec	End	3/4/16 12:13:02
ldap-keats-master memory		3/4/16 12:10:00		35 min		3/4/16 12:45:00
Event #13	Start	3/4/16 12:13:02	Duration	45 min	End	3/4/16 12:58:02
ldap-keats-master ldap-connect		3/4/16 12:13:02		45 min		3/4/16 12:58:02
ldap-keats-master load		3/4/16 12:20:30		15 min		3/4/16 12:35:30
Event #14	Start	3/4/16 15:58:02	Duration	40 min	End	3/4/16 16:38:02
ldap-keats-master ldap-connect		3/4/16 15:58:02		40 min		3/4/16 16:38:02
ldap-keats-master disk-/var		3/4/16 16:02:01		10 min		3/4/16 16:12:01

BV-BA-Current-Health-VS-Past This report displays the global health of business activities at its generation and compares it with the availability of a previous period.

BA-CIO-View

			Real time				Last 30 days *	
	Current level	Business Activity	Last change	Duration	Acknowledgment	Downtime	Availability	failures
		Mail-IDF	Apr 4, 2016, 5:08 PM	9 min	-	-	62.99%	573
	75	LDAP-IDF	Apr 4, 2016, 3:27 AM	13 h 49 min	-	-	94.04%	133
	100	Global DB Oracle Integrity	Apr 4, 2016, 1:53 PM	3 h 23 min	-	-	95.14%	96
	100	Global Offices Availability	Apr 2, 2016, 11:28 PM	41 h 48 min	-	-	99.7%	9

* : 3/5/16 - 4/3/16

1 / 1

Availability & Events

Hostgroup-Service-Incident-Resolution-2 This report displays the rate of acknowledgment and solved events, the longuest events, the least reliable indicators and equipments generating the most events for a hostgroup

DATABASE-SERVERS

ACKNOWLEDGMENT TIME

It's the duration between a hard state of an event and it's acknowledgment. Events that have duration less than the acknowledgment SLA are excluded from the calculation.

EVENTS ACKNOWLEDGMENT CRITICAL

0 % (0/994)

ACKNOWLEDGED WITHIN 5 MIN

EVENTS ACKNOWLEDGMENT WARNING

0% (0/1662)

ACKNOWLEDGED WITHIN 10 MIN

RESOLUTION TIME

It's the duration between a hard state of an event and it's resolution (state = OK). Events that have duration less that the resolution SLA are included on the calculation.

EVENTS RESOLUTION CRITICAL

50% (497/994)

SOLVED WITHIN 15 MIN

EVENTS RESOLUTION WARNING

62.69% (1260/2010)

SOLVED WITHIN 20 MIN

TOP 10 OF LONGEST EVENTS

Host	Service	Start	End	Resolution
srv-oracle-crm	disk-/usr	Feb 28, 2016, 12:27 AM	Feb 28, 2016, 2:22 AM	1 h 55 min
srv-oracle-users	load	Feb 10, 2016, 11:59 PM	Feb 11, 2016, 1:29 AM	1 h 30 min
srv-oracle-crm	cpu	Feb 20, 2016, 6:54 AM	Feb 20, 2016, 8:19 AM	1 h 25 min
srv-oracle-crm	disk-/home	Feb 10, 2016, 7:15 PM	Feb 10, 2016, 8:35 PM	1 h 20 min
srv-oracle-crm	load	Feb 17, 2016, 11:43 PM	Feb 18, 2016, 1:03 AM	1 h 20 min
srv-oracle-users	cpu-stats	Feb 23, 2016, 10:35 PM	Feb 23, 2016, 11:55 PM	1 h 20 min
srv-mysql-01	disk-/usr	Feb 6, 2016, 12:06 PM	Feb 6, 2016, 1:16 PM	1 h 10 min
srv-mysql-01	disk-/usr	Feb 11, 2016, 12:54 PM	Feb 11, 2016, 2:04 PM	1 h 10 min
srv-mysql-01	disk-/usr	Feb 6, 2016, 12:06 PM	Feb 6, 2016, 1:16 PM	1 h 10 min
srv-mysql-01	disk-/usr	Feb 11, 2016, 12:54 PM	Feb 11, 2016, 2:04 PM	1 h 10 min

TOP 10 OF THE LEAST RELIABLE INDICATORS

Host	Service	MTBF
srv-oracle-accounting	memory	14 h 48 min
srv-oracle-accounting	memory-stats	14 h 48 min
srv-mysql-01	memory	17 h 59 min
srv-mysql-01	memory-stats	17 h 59 min
srv-oracle-crm	memory	18 h 29 min
srv-oracle-crm	memory-stats	18 h 29 min
srv-mssql-01	memory	18 h 58 min
srv-oracle-users	memory	19 h 33 min
srv-oracle-users	memory-stats	19 h 33 min
srv-mysql-02	memory	20 h 46 min

The MTBF is the division of the available time of the hosts, within the reporting period and live service, by the number of exception events opened.

TOP 10 OF EQUIPMENTS GENERATING THE MOST EVENTS

Host	Warning event	Critical event
srv-oracle-accounting	548	304
srv-mysql-01	516	238
srv-oracle-users	284	128
srv-oracle-crm	246	124
srv-mysql-02	287	114
srv-mssql-01	51	47
srv-mssql-02	78	39

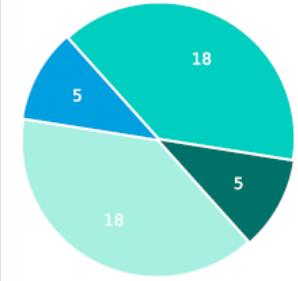
Hostgroups-Incidents-1 This report gives you an overview of host exception events and unavailability for one or several hostgroups.

centreon
business intelligence

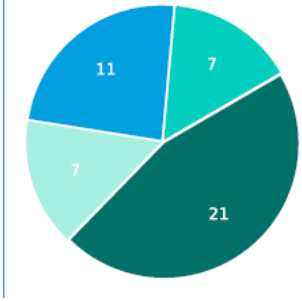
Incidents management reports

Time period : 24x7

Resources by group



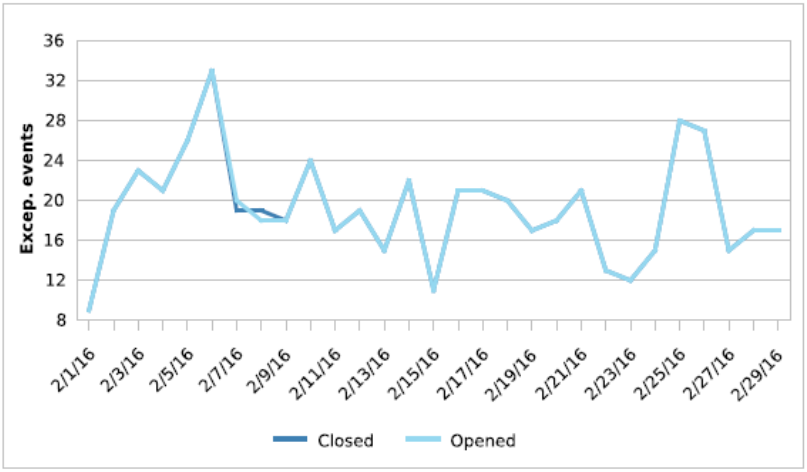
Resources by categorie



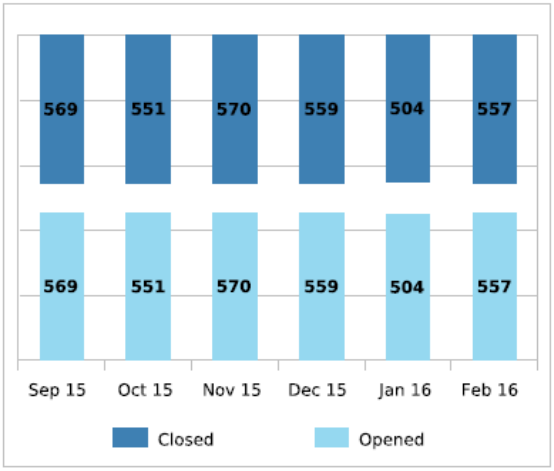
01 February 2016
01 March 2016

1 / 7

Current month exception events evolution



Exception events evolution by month



40.75% of these events concern **Routers**

34.83% of these events concern **Firewall**

13.64% of these events concern **ESX-Servers**

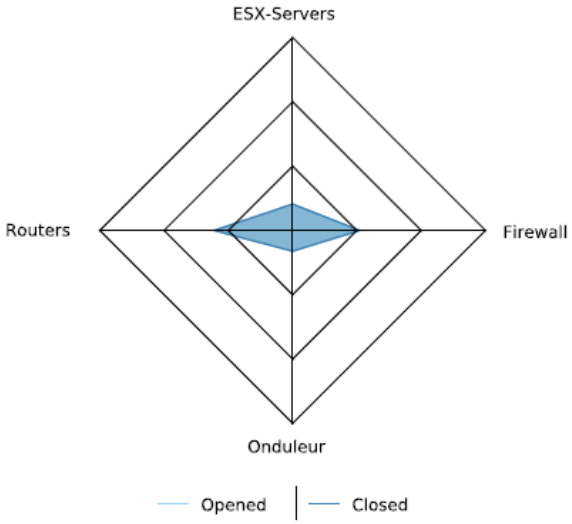
10.77% of these events concern **Onduleur**

There were as many opened as closed events

This report allows to analyse the evolution of host triggered exception events (opened) and resolved ones (closed). The performance on exception events resolution can also be measured by different indicators (MTRS, MTBS, MTBSI, ...).

An opened exception event in a specific month or day can be resolved (closed) later on another day or month.

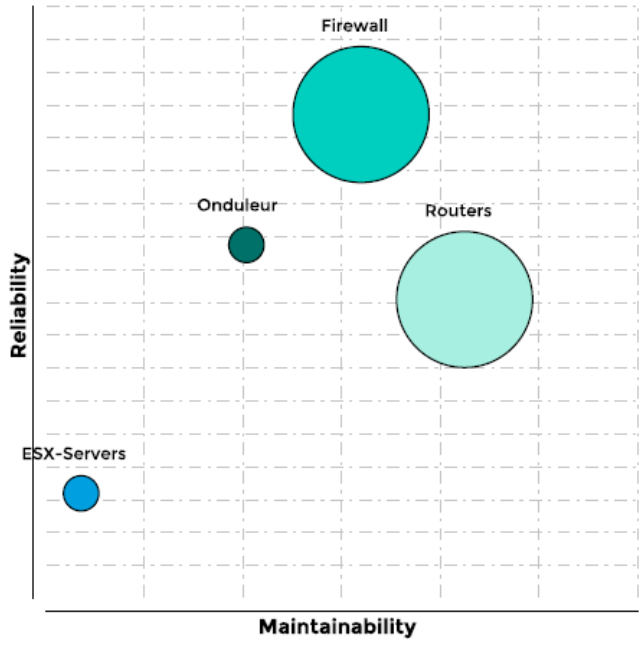
Exception events distribution by group



Detail of exception events by group

	Opened	Closed
Routers	227	227
Firewall	194	194
ESX-Servers	76	76
Onduleur	60	60

Best



Worst

Best

Maintainability index (1/MRTS)

A low maintainability index (1/MTRS) means that the host repair delay is high.

Reliability index (MTBF)

A high reliability index (MTBF) means that exception events are recurrent. The host repair delay is not taken in account in the calculation.

Mean time between service incidents (MTBSI)

The mean time between service incidents measure the average time between two exception events.

Host group size

The size of the bubble corresponds to the number of hosts in the group.

Graphic Interpretation

Groups in the left bottom corner are the less maintainable and reliable. Their reliability indexes are high and their maintainability indexes are low.

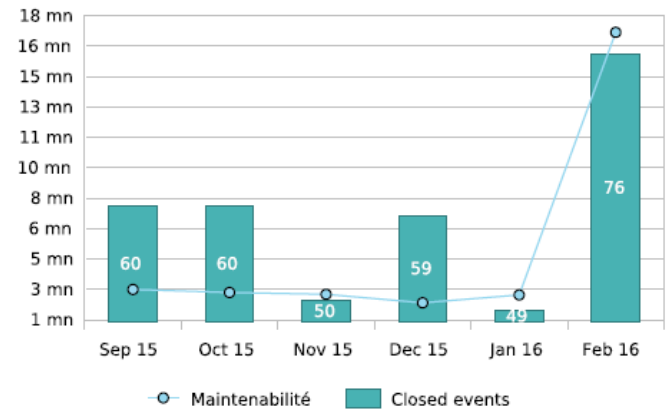
Groups in the top right corner are the most maintainable and reliable. Their reliability indexes are low and their maintainability indexes are high.

The position of the group, related to their reliability and maintainability indexes have to be interpreted regarding to the size of the bubble, corresponding to the number of hosts in the group. For instance, low indexes on a group made of 2 hosts is not as critical as medium indexes of a 50 hosts group.

Detailed statistics on host maintainability, reliability and exception events

		Exception events				
Host Groups	Number of hosts	MTRS	MTBF	MTBSI	Opened	Closed
ESX-Servers	5	27 mn	45 h 19 mn	45 h 47 mn	76	76
Firewall	18	3 mn	64 h 31 mn	64 h 34 mn	194	194
Onduleur	5	4 mn	57 h 55 mn	58 h	60	60
Routers	18	2 mn	55 h 9 mn	55 h 11 mn	227	227

Mean time to repair by month



ESX-Servers

MTRS calculation method

The MTRS is the division of the unavailable time of the hosts, within the reporting period and live service, by the total number of exception events opened.

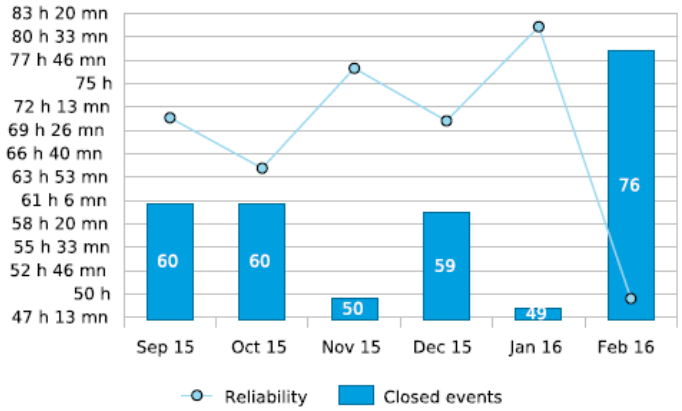
MTBF calculation method

The MTBF is the division of the available time of the hosts, within the reporting period and live service, by the number of exception events opened.

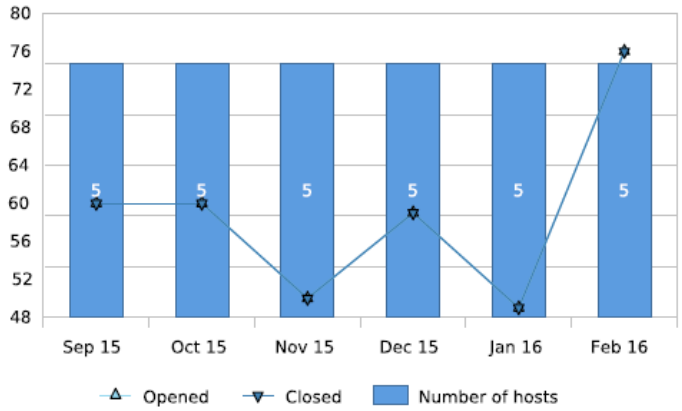
MTBSI calculation method

The MTBSI is the division of the reporting period duration, within the reporting live service, by the number of exception events opened.

Mean time between failure by month



Opened/Closed exception events evolution by month



Less maintainable hosts

Hosts	MTRS
VCenter	2 h 27 mn
esx-sydney-01	3 mn
esx-hongkong-01	3 mn
esx-berlin-01	2 mn
esx-alger-01	2 mn

Less reliable hosts

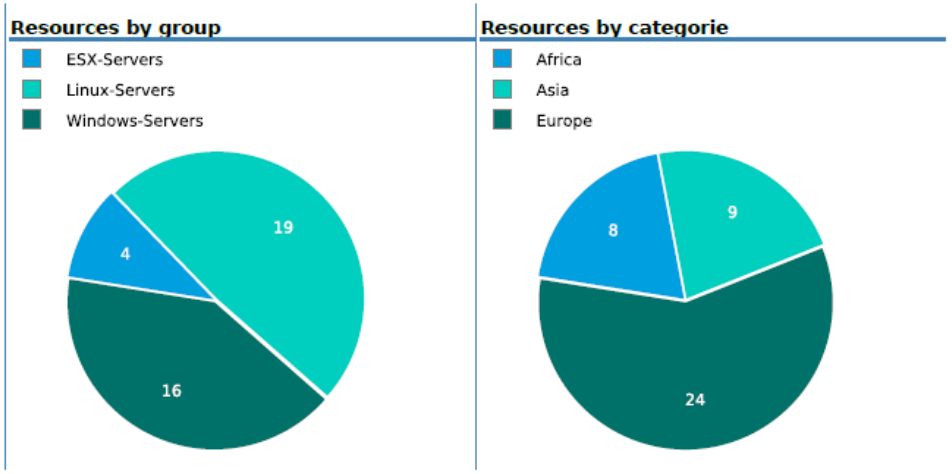
Hosts	MTBF
esx-berlin-01	33 h 5 mn
esx-hongkong-01	46 h 20 mn
esx-sydney-01	49 h 39 mn
VCenter	51 h 4 mn
esx-alger-01	53 h 30 mn

Hostgroups-Availability-1 This report shows availability and events exception distribution on multiple hostgroups.

centreon
business intelligence

Availability of your resources and their services

01 February 16
01 March 16



Time period : 24x7

1 / 8

Flops

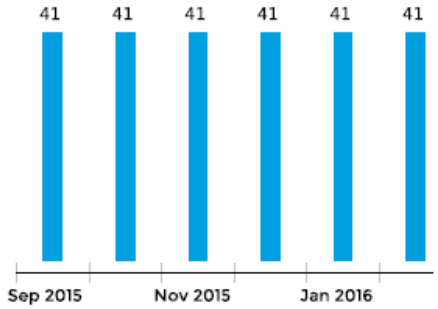
Host excep. ev. :**Linux-Servers-Europe**

Host unavailability :**ESX-Servers-Europe**

Serv. excep. ev. :**Linux-Servers-Europe**

Serv. unavailability :**Linux-Servers-Africa**

Number of resources



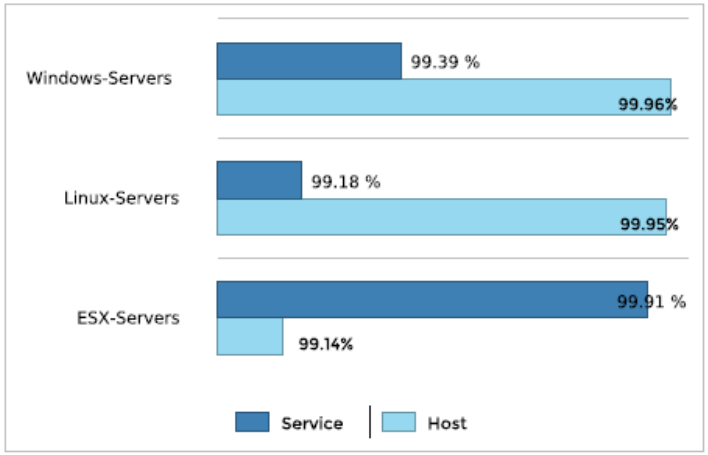
Host unavailability/ exception events

Host exception events correspond to the addition of host unavailabilities. Unreachable state is not included (most of the time, this state means that a node in the network was unreachable between the monitoring server and monitored resources).

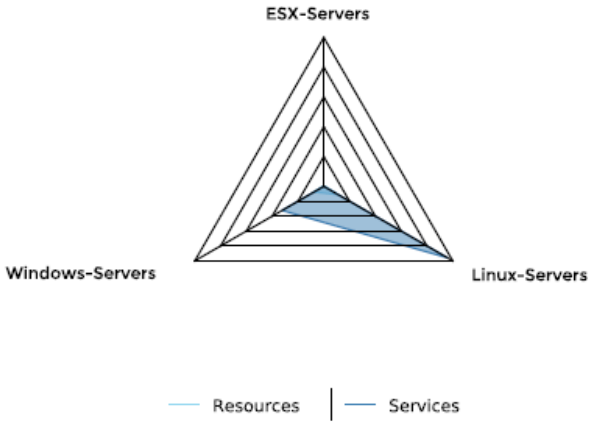
Service unavailability/Exception events

Service unavailability for an equipment corresponds to a critical state for some or all of its services. Warning events or unknown state are not included in this calculation.

Average availability of host groups



Events exception distribution by host group



Detailed statistics by for host groups

Group	Number of hosts	Host			Service		
		Availability	Trend	Excep. ev.	Availability	Trend	Excep. ev.
ESX-Servers	**4**	**99.14%**	**-0.80**	**62**	**99.91%**	**0.00**	**55**
Africa	1	99.93%	-0.02	13	99.87%	-0.05	13
Asia	1	99.88%	-0.06	15	99.92%	0.06	9
Europe	2	97.63%	-2.33	34	99.95%	-0.01	33
Linux-Servers	**21**	**99.95%**	**0.00**	**269**	**99.18%**	**-0.10**	**1938**
Africa	2	99.95%	0.01	32	99.11%	-0.16	195
Asia	4	99.95%	0.00	59	99.18%	-0.11	363
Europe	15	99.95%	-0.01	178	99.24%	-0.02	1380
Windows-Servers	**16**	**99.96%**	**-0.01**	**200**	**99.39%**	**-0.05**	**687**
Africa	5	99.95%	0.00	68	99.31%	-0.14	224
Asia	4	99.96%	-0.01	51	99.45%	0.08	167
Europe	7	99.96%	-0.01	81	99.39%	-0.09	296
Global Statistics	**41**	**99.68%**	**-0.27**	**531**	**99.49%**	**-0.05**	**2680**

Linux-Servers

Host unavailability

70% of unavailability have been detected on : **Europe**

Host exception events

66% of exception events have been detected on: **Europe**

Month	Unavailability	Excep. ev
Jan 16	6 h 26 mn	260
Feb 16	6 h 45 mn	269
Mar 16	6 h 19 mn	259

Service unavailability

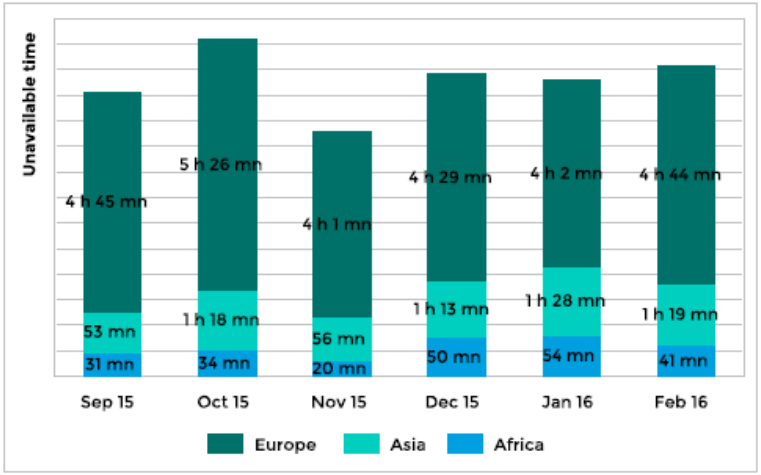
70% of unavailability have been detected on: **Europe**

Service exception events

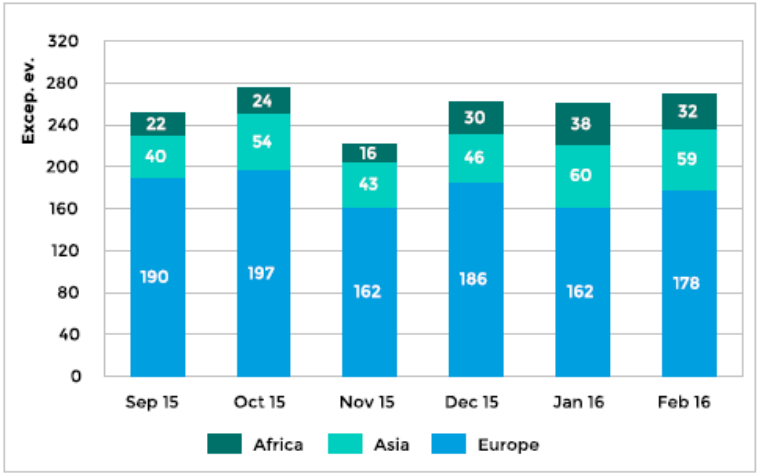
71% of exception events have been detected on: **Europe**

Month	Unavailability	Excep. ev.
Jan 16	590 h 41 mn	1904
Feb 16	591 h 8 mn	1938
Mar 16	598 h	1961

Host unavailability evolution

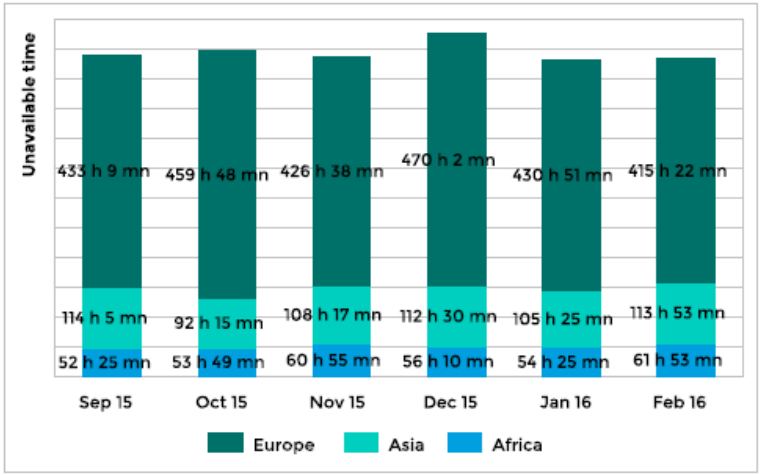


Host exception events evolution

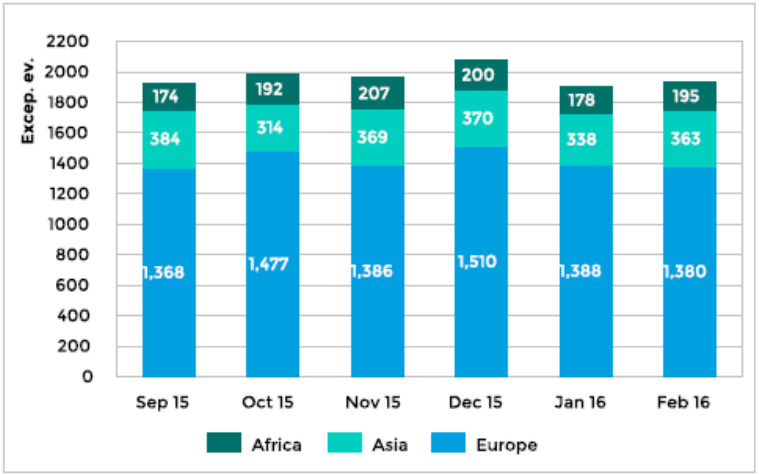


Hosts, service unavailabilities and exception events are calculated by host category for the current group.

Evolution of service unavailability by host category



Evolution of service exception events by host category



Linux-Servers

Host unavailability

Host unavailability displayed on this page correspond to

86% of all host unavailability.

Host exception events

Host exception events displayed on this page correspond to

86% of all host exception events.

Service unavailability

Service unavailability displayed on this page correspond to:

84% of all service unavailabilities detected.

Service exception events

Service exception events displayed on this page correspond to:

84% of all services exception events.

TOP 15 of host unavailabilities

31 mn 10 s	mail-neptune-frontend
27 mn 29 s	mail-mercury-frontend
26 mn 15 s	mail-saturn-frontend
23 mn 40 s	srv-mysql-01
22 mn 50 s	mail-io-backend
22 mn 45 s	mail-europa-backend
20 mn	mail-venus-frontend
19 mn 55 s	srv-mysql-02
19 mn 45 s	srv-oracle-crm
19 mn	srv-oracle-users
18 mn	mail-mars-frontend
17 mn 20 s	srv-oracle-accounting
16 mn 15 s	mail-earth-frontend

TOP 15 of host exception events

18	mail-neptune-frontend
18	srv-mysql-01
17	mail-saturn-frontend
15	mail-europa-backend
15	mail-mercury-frontend
15	srv-mysql-02
14	srv-oracle-accounting
13	mail-io-backend
13	mail-jupiter-frontend
13	srv-oracle-crm
12	mail-mars-frontend
12	srv-oracle-users
11	mail-venus-frontend
10	mail-ganymede-backend
9	mail-earth-frontend

TOP 15 service unavailabilities

37 h 50 mn	mail-ganymede-backend
33 h 12 mn	mail-io-backend
32 h 53 mn	srv-oracle-accounting
32 h 25 mn	mail-callisto-backend
31 h 50 mn	mail-earth-frontend
30 h 22 mn	mail-europa-backend
30 h 14 mn	mail-titan-gateway
29 h	srv-mysql-01
28 h 39 mn	srv-oracle-crm
28 h 39 mn	mail-mars-frontend
28 h	mail-mercury-frontend
26 h 15 mn	srv-oracle-users
25 h 55 mn	mail-saturn-frontend
25 h 44 mn	srv-mysql-02
24 h 50 mn	mail-jupiter-frontend

TOP 15 of service exception events

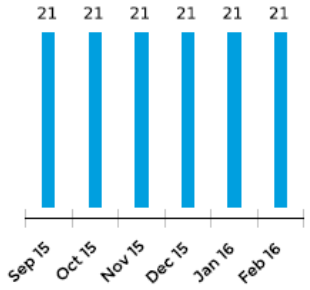
113	mail-mars-frontend
112	mail-europa-backend
109	mail-earth-frontend
108	mail-callisto-backend
106	mail-ganymede-backend
104	srv-oracle-accounting
98	mail-io-backend
91	mail-mercury-frontend
91	srv-mysql-01
90	mail-jupiter-frontend
90	mail-titan-gateway
89	mail-neptune-frontend
89	srv-oracle-crm
84	srv-mysql-02
84	srv-oracle-users

Hostgroup -Availability-2 This report gives availability and exception events information for one hostgroup

Host group **Linux-Servers**

centreon business intelligence

Number of resources



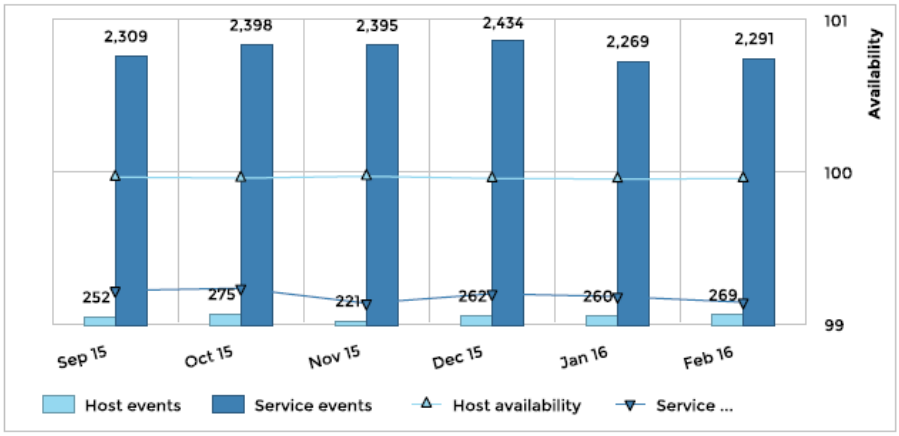
Host unavailability/ exception events

Host exception events correspond to the addition of host unavailabilities. Unreachable state is not included (most of the time, this state means that a node in the network was unreachable between the monitoring server and monitored resources).

Service unavailability/Exception events

Service unavailability for an equipment corresponds to a critical state for some or all of its services. Warning events or unknown state are not included in this calculation.

Availability and exception events evolution

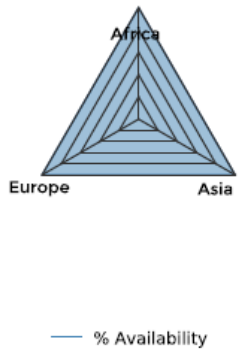


Availability and exception events evolution

	2015				2016	
	Sep	Oct	Nov	Dec	Jan	Feb
Host availability	99.96%	99.95%	99.96%	99.95%	99.95%	99.95%
Host events	252	275	221	262	260	269
Service availability	99.21%	99.23%	99.13%	99.19%	99.17%	99.14%
Service events	2309	2398	2395	2434	2269	2291

Hosts

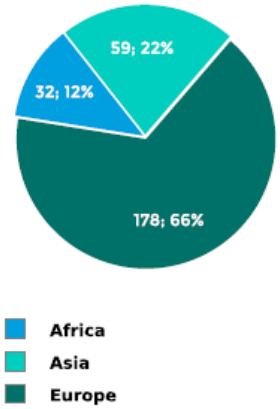
Availability / host cat



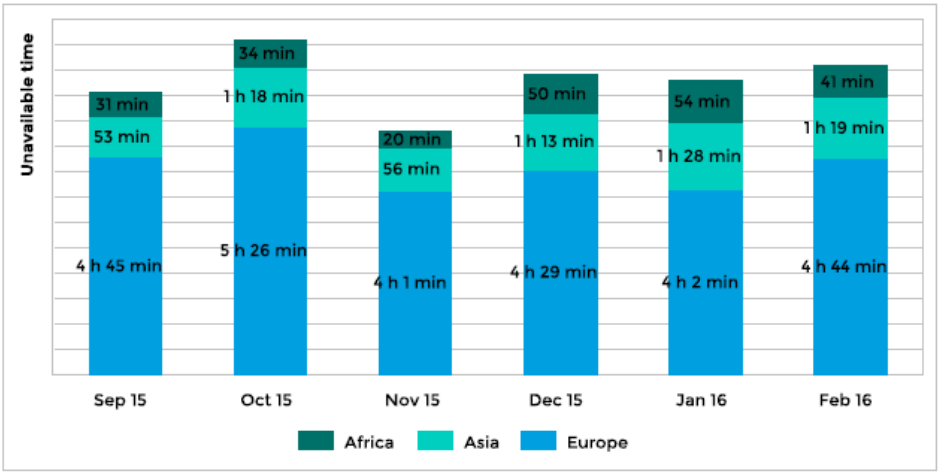
Sum up

Host cat.	Avail.	Excep. ev.
Africa	99.95%	269
Asia	99.95%	269
Europe	99.95%	269

Host exception events / host cat.



Host unavailability evolution



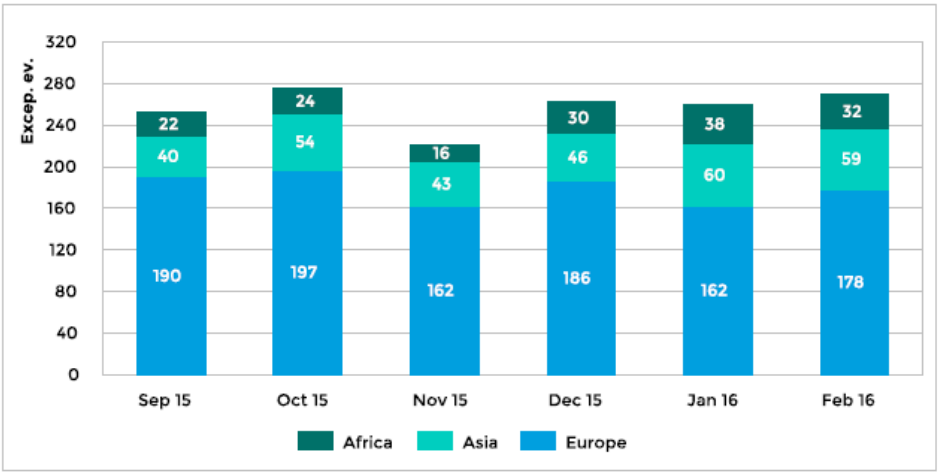
Top 15 - Host unavailability

Host	Unavailable	Avail.
mail-neptune-frontend	31 min	99.93%
mail-mercury-frontend	27 min	99.93%
mail-saturn-frontend	26 min	99.94%
srv-mysql-01	23 min	99.94%
mail-io-backend	22 min	99.95%
mail-europa-backend	22 min	99.95%
mail-venus-frontend	20 min	99.95%
srv-mysql-02	19 min	99.95%
srv-oracle-crm	19 min	99.95%
srv-oracle-users	19 min	99.95%
mail-mars-frontend	18 min	99.96%
srv-oracle-accounting	17 min	99.96%
mail-earth-frontend	16 min	99.96%
mail-jupiter-frontend	15 min	99.96%
mail-ganymede-backend	14 min	99.97%

Top 15 - Host exception events

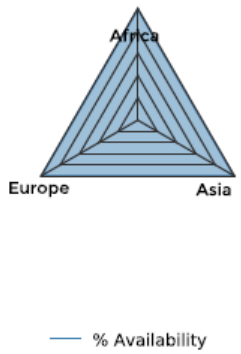
Host	Excep. ev.	Avail.
mail-neptune-frontend	18	99.93%
srv-mysql-01	18	99.94%
mail-saturn-frontend	17	99.94%
mail-mercury-frontend	15	99.93%
mail-europa-backend	15	99.95%
srv-mysql-02	15	99.95%
srv-oracle-accounting	14	99.96%
mail-jupiter-frontend	13	99.96%
mail-io-backend	13	99.95%
srv-oracle-crm	13	99.95%
mail-mars-frontend	12	99.96%
srv-oracle-users	12	99.95%
mail-venus-frontend	11	99.95%
mail-ganymede-backenc	10	99.97%
mail-earth-frontend	9	99.96%

Host exception events evolution



Services

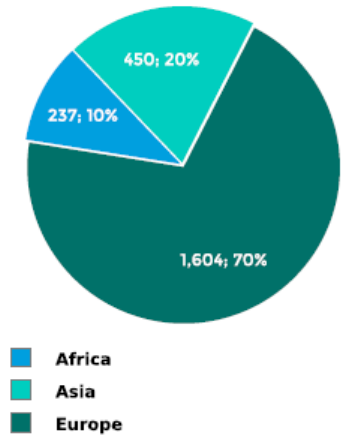
Service availability / host cat.



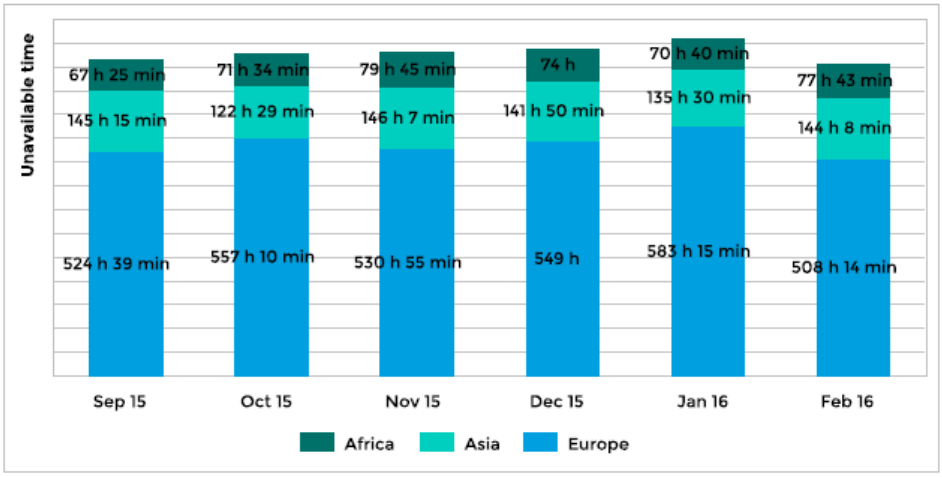
Sum up

Host cat.	Avail.	Excep. ev.
Africa	98.88%	237
Asia	98.96%	450
Europe	99.03%	1604

Service exception events / host cat.



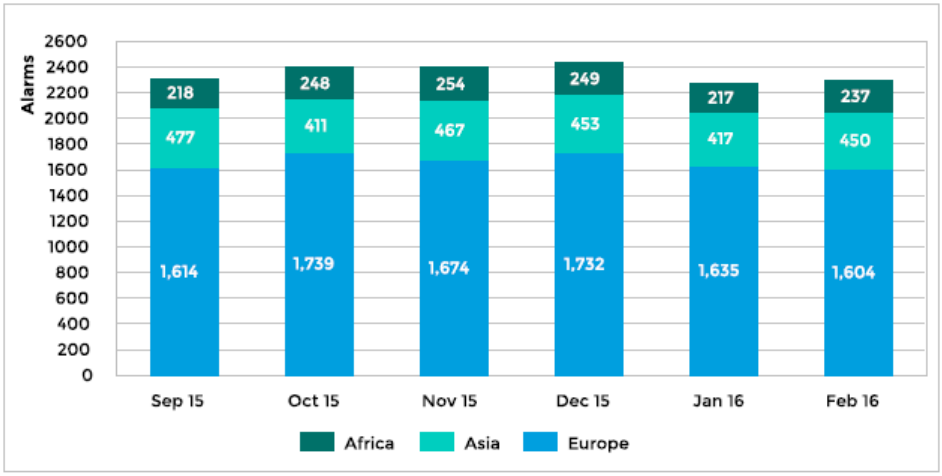
Evolution of service unavailability by host category



TOP 15 service exception events

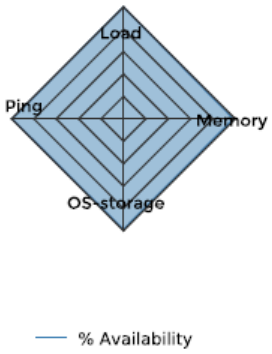
Host	Service	Excep. ev.	Avail.
mail-mars-frontend	memory	52	98.10%
mail-mars-frontend	memory-stats	52	98.10%
mail-earth-frontend	memory	48	97.96%
mail-earth-frontend	memory-stats	48	97.96%
srv-oracle-accounting	memory	46	97.82%
srv-oracle-accounting	memory-stats	46	97.82%
mail-mercury-frontend	memory	40	98.29%
mail-mercury-frontend	memory-stats	40	98.29%
mail-titan-gateway	memory	40	98.06%
mail-titan-gateway	memory-stats	40	98.06%
mail-jupiter-frontend	memory	39	98.40%
mail-jupiter-frontend	memory-stats	39	98.40%
mail-neptune-frontend	memory	38	98.48%
mail-neptune-frontend	memory-stats	38	98.48%
srv-mysql-01	memory	38	98.26%

Evolution of service exception events by host category



Services

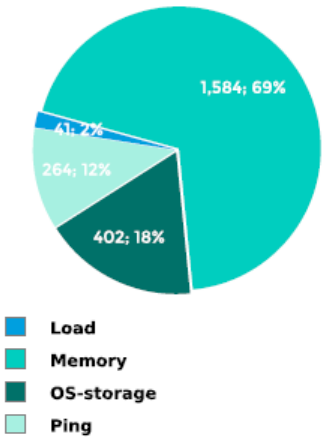
Service availability / service cat.



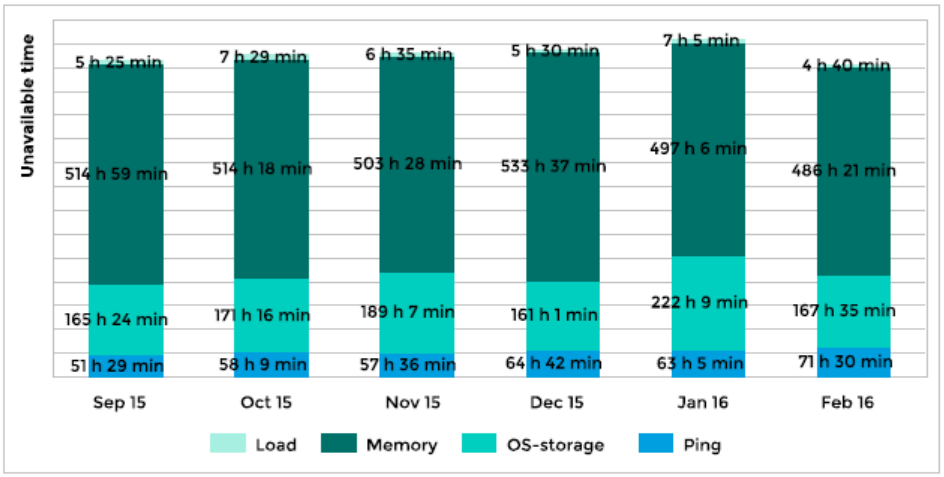
Sum up

Services Cat.	Avail.	Excep. ev.
Ping	99.51%	264
OS-storage	98.85%	402
Memory	98.34%	1584
Load	99.97%	41

Service exception events / service cat.



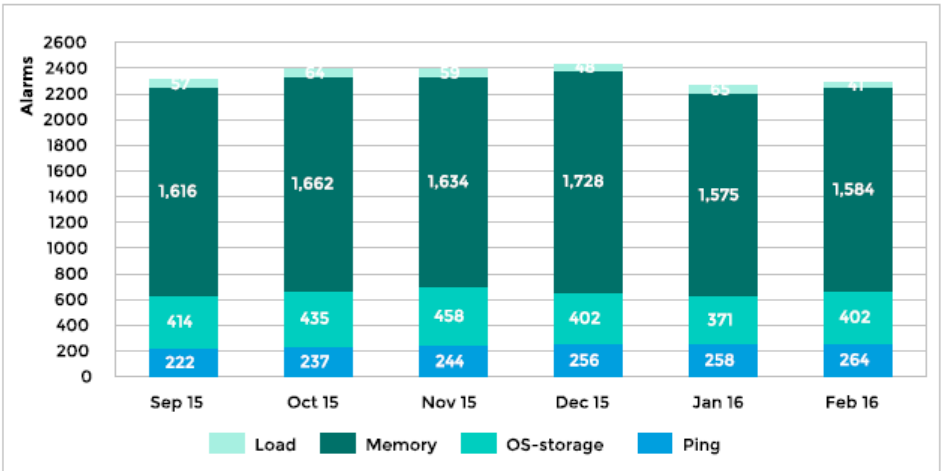
Evolution of service unavailability



TOP 15 service unavailability

Host	Service	Unavailable	Avail.
mail-mercury-frontend	disk-/	19 h 14 min	97.24%
srv-oracle-accounting	memory-stats	15 h 9 min	97.82%
srv-oracle-accounting	memory	15 h 9 min	97.82%
mail-earth-frontend	memory-stats	14 h 10 min	97.96%
mail-earth-frontend	memory	14 h 10 min	97.96%
mail-titan-gateway	memory	13 h 30 min	98.06%
mail-titan-gateway	memory-stats	13 h 29 min	98.06%
mail-mars-frontend	memory	13 h 15 min	98.10%
mail-mars-frontend	memory-stats	13 h 14 min	98.10%
mail-ganymede-backend	memory	12 h 50 min	98.15%
mail-ganymede-backend	memory-stats	12 h 50 min	98.15%
srv-mysql-01	memory	12 h 5 min	98.26%
srv-mysql-01	memory-stats	12 h 5 min	98.26%
srv-oracle-crm	memory-stats	12 h	98.28%
srv-oracle-crm	memory	11 h 59 min	98.28%

Evolution of service exception events by service category



Hostgroup-Host-Availability-List This report displays a list of host availability and exception events for a hostgroup.

Host group **Windows-Servers**

centreon business intelligence

Host availability

		Availability			Unavailable		Exception events	
Host cat.	Host	%	Duration	Trend	Duration	Trend	Total	Trend
Africa	srv-DC-cape-town	99.93%	695 h 29 min	-0.05%	30 min	+22 min 15 sec	19	11
Africa	srv-mssql-01	99.93%	695 h 31 min	-0.04%	28 min	+15 min	18	7
Asia	srv-mssql-02	99.94%	695 h 33 min	-0.02%	26 min	+8 min 24 sec	18	5
Europe	srv-DC-paris	99.95%	695 h 40 min	-0.02%	19 min	+5 min 40 sec	12	4
Asia	srv-DC-tokyo	99.95%	695 h 40 min	-0.01%	19 min	+3 min 20 sec	13	1
Europe	srv-DC-london	99.95%	695 h 40 min	-0.01%	19 min	+3 min 35 sec	12	1
Europe	srv-DC-bratislava	99.96%	695 h 42 min	-0.01%	17 min	+1 min 16 sec	16	8
Africa	srv-DC-alger	99.96%	695 h 42 min	0.03%	17 min	-12 min 25 sec	14	-4
Europe	srv-DC-bruxelles	99.96%	695 h 42 min	-0.03%	17 min	+10 min 35 sec	13	7
Africa	srv-DC-casablanca	99.96%	695 h 44 min	0.02%	15 min	-12 min	11	-6
Europe	srv-DC-dublin	99.97%	695 h 45 min	0.00%	14 min	-2 min 10 sec	9	-1
Asia	srv-DC-hongkong	99.97%	695 h 46 min	-0.03%	13 min	+10 min 30 sec	11	6
Europe	srv-DC-lisbon	99.97%	695 h 46 min	-0.01%	13 min	+3 min 35 sec	10	-1
Europe	srv-DC-berlin	99.98%	695 h 49 min	0.02%	10 min	-8 min 5 sec	9	-4
Asia	srv-DC-beijing	99.98%	695 h 48 min	0.02%	9 min	-10 min 15 sec	9	-8
Africa	srv-DC-yaounde	99.98%	695 h 51 min	0.04%	8 min	-17 min 50 sec	6	-10

This report is optimised for XLS generation

Calculation

The availability (%) corresponds to the time for a resources in the "UP" status divided by the total time "UP"+"DOWN"

The unavailability duration corresponds to the time spent in the "DOWN" state

The exception events correspond to the number of time the "DOWN" status appeared

Reporting period from 2/1/16 to 3/1/16 , business hours: 24x7

1 / 1

Hostgroup-Service-Availability-List

This report displays a list of services availability and services events for a hostgroup.

This report is optimised for XLS generation

				Availability			Exception events				Warning events			
Host cat.	Host	Services Cat.	Service	%	Duration	Trend	Duration	Trend	Alarms	Trend	Duration	Trend	Alarms	Trend
Asia	fw-hongkong	Ping	ping	99,49%	692 h 25 min	-0,06	3 h 35 min	+10 min	15	5	25 min	+15 min	5	3
Asia	rt-tokyo	Ping	ping	99,50%	692 h 30 min	0,15	3 h 30 min	-1 h 20 min	11	-7	30 min	-5 min	6	-1
Asia	sw-hongkong-(	Ping	ping	99,59%	693 h 10 min	0,03	2 h 50 min	-25 min	11	1	35 min	+20 min	4	2
Asia	sw-hongkong-(	Ping	ping	99,60%	693 h 15 min	-0,10	2 h 45 min	+35 min	12	3	30 min	+15 min	6	3
Asia	rt-hongkong	Ping	ping	99,62%	693 h 20 min	-0,20	2 h 40 min	+1 h 20 min	10	4	10 min	-	2	1
Asia	fw-beijing	Ping	ping	99,68%	693 h 45 min	-0,14	2 h 15 min	+55 min	8	4	10 min	+5 min	2	1
Asia	fw-tokyo	Ping	ping	99,72%	694 h 5 min	0,12	1 h 55 min	-60 min	10	-4	30 min	-	5	-1
Asia	rt-beijing	Ping	ping	99,77%	694 h 25 min	0,02	1 h 35 min	-15 min	7	1	15 min	-	3	0
Asia	rt-beijing	CPU	cpu	100,00%	696 h	0,00	-	-	0	0	-	-	0	0
Asia	rt-hongkong	CPU	cpu	100,00%	696 h	0,00	-	-	0	0	-	-	0	0
Asia	rt-tokyo	CPU	cpu	100,00%	696 h	0,00	-	-	0	0	-	-	0	0
Asia	sw-hongkong-(	CPU	cpu	100,00%	696 h	0,00	-	-	0	0	-	-	0	0
Asia	sw-hongkong-(	CPU	cpu	100,00%	696 h	0,00	-	-	0	0	-	-	0	0

Calculation

The availability corresponds to the time spent in "OK" and "WARNING" state compared to "OK+WARNING+CRITICAL" total time.

The exception events correspond to the "CRITICAL" state in Centreon.

The warning events time correspond to the "WARNING" state in Centreon.

Hostgroup-Host-Event-List This report displays a list of exception events on equipments

Host group **Networks**

centreon business intelligence

Inventory of uninformative host events detected

			Period		Performance		
Host cat.	Host	State	Start	End	Acknowledgement	Real MTRS	Effective MTRS
Asia	rt-hongkong	Down	Apr 3, 2016, 9:12 AM	Apr 3, 2016, 9:16 AM	-	3 min 40 sec	3 min 40 sec
Asia	rt-hongkong	Down	Apr 3, 2016, 2:59 AM	Apr 3, 2016, 3:04 AM	-	5 min	5 min
Africa	fw-casablanca	Down	Apr 2, 2016, 11:03 PM	Apr 2, 2016, 11:06 PM	-	3 min 25 sec	3 min 25 sec
Africa	fw-cape-town	Down	Apr 2, 2016, 3:21 PM	Apr 2, 2016, 3:24 PM	-	3 min 30 sec	3 min 30 sec
Africa	fw-yaounde	Down	Apr 2, 2016, 2:48 PM	Apr 2, 2016, 2:54 PM	-	5 min 30 sec	5 min 30 sec
Africa	sw-alger-01	Down	Apr 2, 2016, 2:32 PM	Apr 2, 2016, 2:35 PM	-	3 min 5 sec	3 min 5 sec
Africa	fw-yaounde	Down	Apr 2, 2016, 1:46 PM	Apr 2, 2016, 1:49 PM	-	3 min 5 sec	3 min 5 sec
Asia	fw-hongkong	Down	Apr 2, 2016, 11:50 AM	Apr 2, 2016, 11:50 AM	-	10 sec	10 sec
Africa	sw-alger-01	Down	Apr 2, 2016, 9:59 AM	Apr 2, 2016, 10:02 AM	-	2 min 55 sec	2 min 55 sec
Africa	fw-cape-town	Down	Apr 2, 2016, 8:49 AM	Apr 2, 2016, 8:54 AM	-	5 min 15 sec	5 min 15 sec
Africa	sw-alger-02	Down	Apr 2, 2016, 8:27 AM	Apr 2, 2016, 8:30 AM	-	3 min 5 sec	3 min 5 sec
Africa	rt-cape-town	Down	Apr 2, 2016, 3:19 AM	Apr 2, 2016, 3:19 AM	-	25 sec	25 sec
Asia	fw-hongkong	Down	Apr 2, 2016, 1:45 AM	Apr 2, 2016, 1:48 AM	-	2 min 20 sec	2 min 20 sec
Africa	rt-casablanca	Down	Apr 2, 2016, 12:26 AM	Apr 2, 2016, 12:27 AM	-	50 sec	50 sec
Africa	rt-cape-town	Down	Apr 1, 2016, 11:53 PM	Apr 1, 2016, 11:56 PM	-	3 min 25 sec	3 min 25 sec
Africa	sw-alger-01	Down	Apr 1, 2016, 10:38 PM	Apr 1, 2016, 10:42 PM	-	4 min 30 sec	4 min 30 sec
Asia	sw-hongkong-02	Down	Apr 1, 2016, 7:31 AM	Apr 1, 2016, 7:35 AM	-	3 min 25 sec	3 min 25 sec
Asia	fw-hongkong	Down	Apr 1, 2016, 6:19 AM	Apr 1, 2016, 6:22 AM	-	2 min 50 sec	2 min 50 sec
Africa	rt-yaounde	Down	Apr 1, 2016, 4:39 AM	Apr 1, 2016, 4:44 AM	-	4 min 35 sec	4 min 35 sec
Asia	rt-tokyo	Down	Apr 1, 2016, 3:57 AM	Apr 1, 2016, 3:58 AM	-	1 min 30 sec	1 min 30 sec

The acknowledgment column content corresponds to the delay between the event start time and it's acknowledgment on Centreon web interface.
The effective MTRS is the duration of the event strictly within the chosen timeperiod, it highlights the impact of the event in the business hours.
The real MTRS is the total time taken to repair the event. If an event is triggered outside the selected timeperiod, the time between the onset of the event and its first detection in an operating time range is excluded from the calculation of the real MTRS.
This report is optimised for XLS export format.

Hostgroup-Service-Event-List This report displays the list of uninformative events on services for a hostgroup.

Host group **Routers**

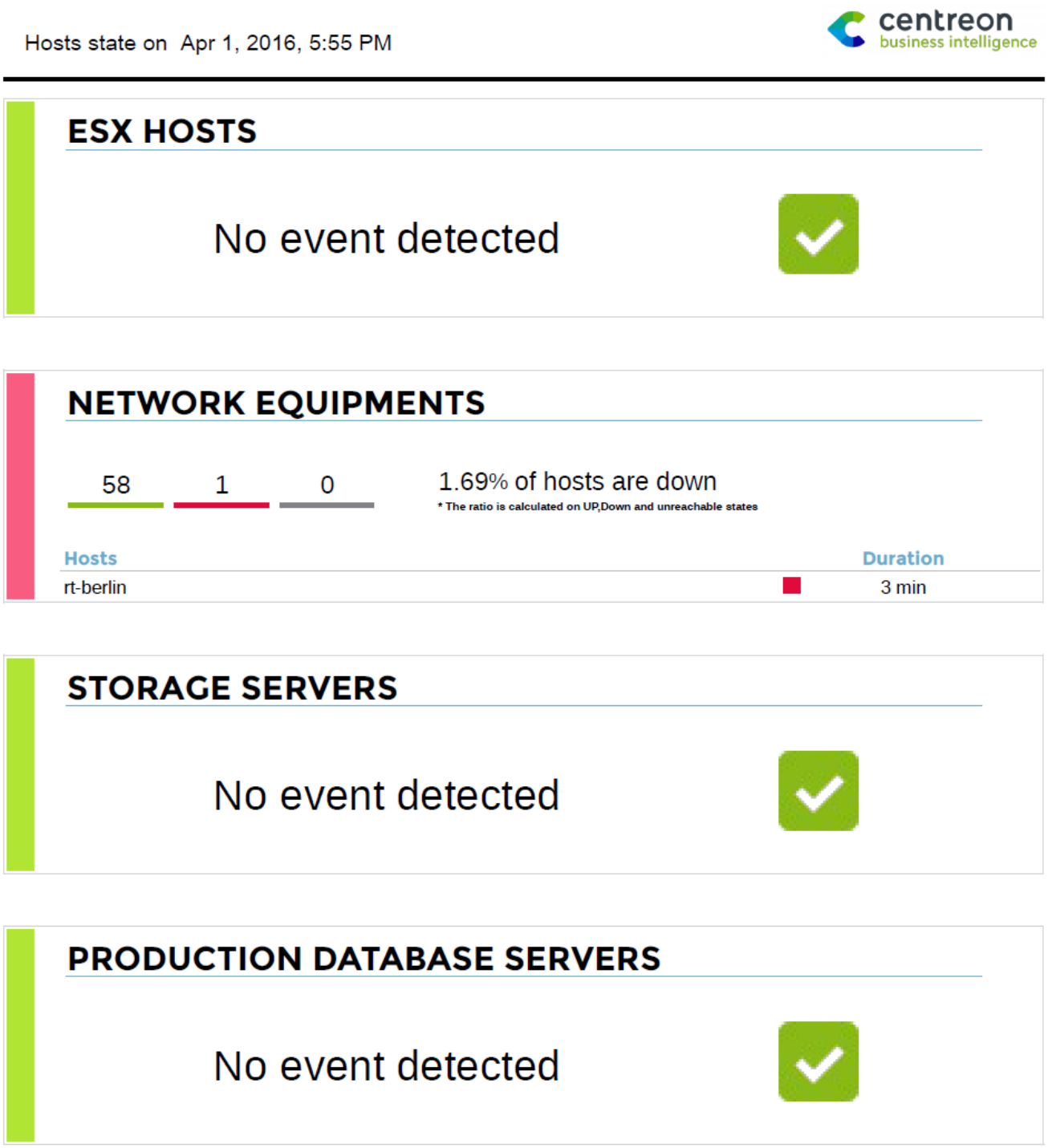
centreon business intelligence

Inventory of uninformative service events detected

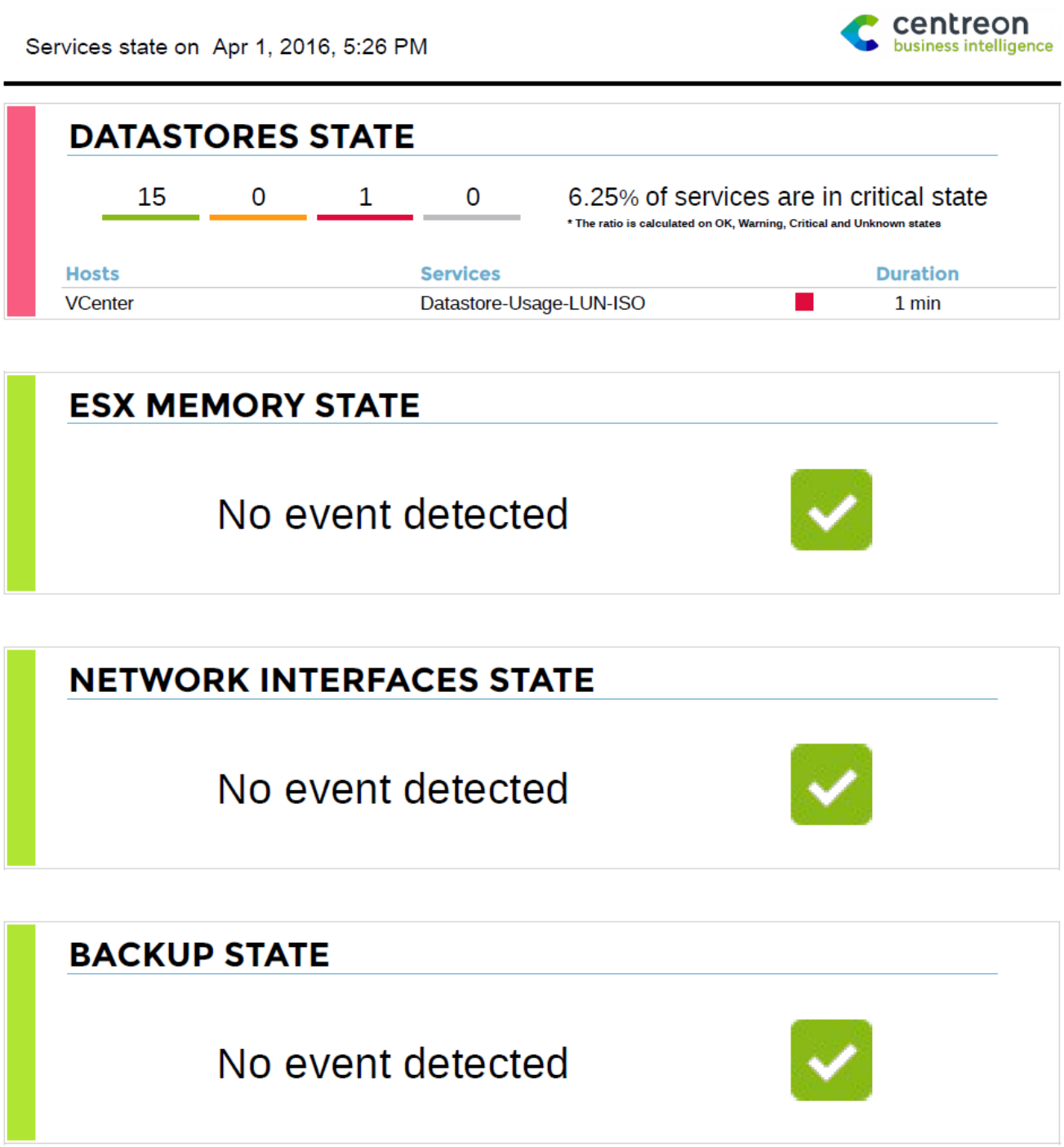
					Period		Performance		
Host cat.	Host	Service Cat.	Services	State	Start	End	Acknowledgement	Real MTRS	Effective MTRS
Africa	rt-alger	Memory	memory	Warning	Apr 3, 2016, 11:34 PM	Apr 3, 2016, 11:49 PM	-	15 min	15 min
Europe	rt-london	Memory	memory	Critical	Apr 3, 2016, 10:02 PM	Apr 3, 2016, 10:12 PM	-	10 min	10 min
Europe	rt-bruxelles	Memory	memory	Warning	Apr 3, 2016, 9:52 PM	Apr 3, 2016, 10:02 PM	-	10 min	10 min
Europe	rt-paris	Memory	memory	Critical	Apr 3, 2016, 5:46 PM	Apr 3, 2016, 6:01 PM	-	15 min	15 min
Europe	rt-bratislava	Memory	memory	Critical	Apr 3, 2016, 5:27 PM	Apr 3, 2016, 5:52 PM	-	25 min	25 min
Europe	rt-london	Memory	memory	Warning	Apr 3, 2016, 5:13 PM	Apr 3, 2016, 5:48 PM	-	35 min	35 min
Europe	rt-paris	Memory	memory	Critical	Apr 3, 2016, 4:59 PM	Apr 3, 2016, 5:04 PM	-	5 min	5 min
Europe	rt-paris	Memory	memory	Warning	Apr 3, 2016, 4:49 PM	Apr 3, 2016, 4:59 PM	-	10 min	10 min
Africa	rt-alger	Memory	memory	Warning	Apr 3, 2016, 4:52 PM	Apr 3, 2016, 4:57 PM	-	5 min	5 min
Africa	rt-alger	Memory	memory	Critical	Apr 3, 2016, 3:50 PM	Apr 3, 2016, 3:55 PM	-	5 min	5 min
Africa	rt-casablanca	Memory	memory	Warning	Apr 3, 2016, 3:17 PM	Apr 3, 2016, 3:52 PM	-	35 min	35 min
Europe	rt-moscou	Memory	memory	Critical	Apr 3, 2016, 2:35 PM	Apr 3, 2016, 3:05 PM	-	30 min	30 min
Africa	rt-cape-town	Memory	memory	Warning	Apr 3, 2016, 12:52 PM	Apr 3, 2016, 1:27 PM	-	35 min	35 min
Europe	rt-bratislava	Memory	memory	Warning	Apr 3, 2016, 11:50 AM	Apr 3, 2016, 12:15 PM	-	25 min	25 min
Europe	rt-bruxelles	Memory	memory	Warning	Apr 3, 2016, 11:38 AM	Apr 3, 2016, 11:58 AM	-	20 min	20 min
Europe	rt-moscou	Memory	memory	Critical	Apr 3, 2016, 10:53 AM	Apr 3, 2016, 11:13 AM	-	20 min	20 min
Europe	rt-bruxelles	Memory	memory	Warning	Apr 3, 2016, 10:21 AM	Apr 3, 2016, 10:46 AM	-	25 min	25 min
Europe	rt-bruxelles	Memory	memory	Critical	Apr 3, 2016, 9:34 AM	Apr 3, 2016, 9:54 AM	-	20 min	20 min
Europe	rt-lisbon	Memory	memory	Warning	Apr 3, 2016, 8:10 AM	Apr 3, 2016, 8:45 AM	-	35 min	35 min
Europe	rt-bratislava	Ping	ping	Critical	Apr 3, 2016, 8:03 AM	Apr 3, 2016, 8:28 AM	-	25 min	25 min
Europe	rt-moscou	Memory	memory	Warning	Apr 3, 2016, 7:31 AM	Apr 3, 2016, 7:41 AM	-	10 min	10 min
Europe	rt-moscou	Memory	memory	Warning	Apr 3, 2016, 7:09 AM	Apr 3, 2016, 7:24 AM	-	15 min	15 min
Europe	rt-paris	Memory	memory	Warning	Apr 3, 2016, 6:32 AM	Apr 3, 2016, 6:42 AM	-	10 min	10 min
Europe	rt-lisbon	Memory	memory	Warning	Apr 3, 2016, 6:28 AM	Apr 3, 2016, 6:38 AM	-	10 min	10 min
Europe	rt-lisbon	Memory	memory	Warning	Apr 3, 2016, 4:21 AM	Apr 3, 2016, 4:36 AM	-	15 min	15 min
Europe	rt-paris	Memory	memory	Warning	Apr 3, 2016, 4:10 AM	Apr 3, 2016, 4:25 AM	-	15 min	15 min
Europe	rt-lisbon	Ping	ping	Critical	Apr 3, 2016, 3:12 AM	Apr 3, 2016, 3:27 AM	-	15 min	15 min
Africa	rt-cape-town	Memory	memory	Critical	Apr 3, 2016, 1:25 AM	Apr 3, 2016, 1:30 AM	-	5 min	5 min
Africa	rt-cape-town	Memory	memory	Warning	Apr 3, 2016, 1:15 AM	Apr 3, 2016, 1:25 AM	-	10 min	10 min
Europe	rt-bratislava	Memory	memory	Warning	Apr 3, 2016, 12:21 AM	Apr 3, 2016, 12:56 AM	-	35 min	35 min

The acknowledgment column content corresponds to the delay between the event start time and it's acknowledgment on Centreon web interface.
The effective MTRS is the duration of the event strictly within the chosen timeperiod, it highlights the impact of the event in the business hours.
The real MTRS is the total time taken to repair the event. If an event is triggered outside the selected timeperiod, the time between the onset of the event and its first detection in an operating time range is excluded from the calculation of the real MTRS.
This report is optimised for XLS export format.

Hostgroups-Host-Current-Events This report displays current events on hosts at its generation. The report contains four parts. On each part, it's possible to choose a titre and resctrict the data perimeter by filtring on hostgroups and hostcategories.



Hostgroups-Service-Current-Events This report displays current events on services at its generation. The report contains four parts. On each part, it's possible to choose a titre and resctrict the data perimeter by filtring on hostgroups, hostcategories and service categories.



1. All confirmed states are displayed
2. Alarms are sorted by state
3. Acknowledged alarms are displayed
3. Downtimes are displayed

1 / 1

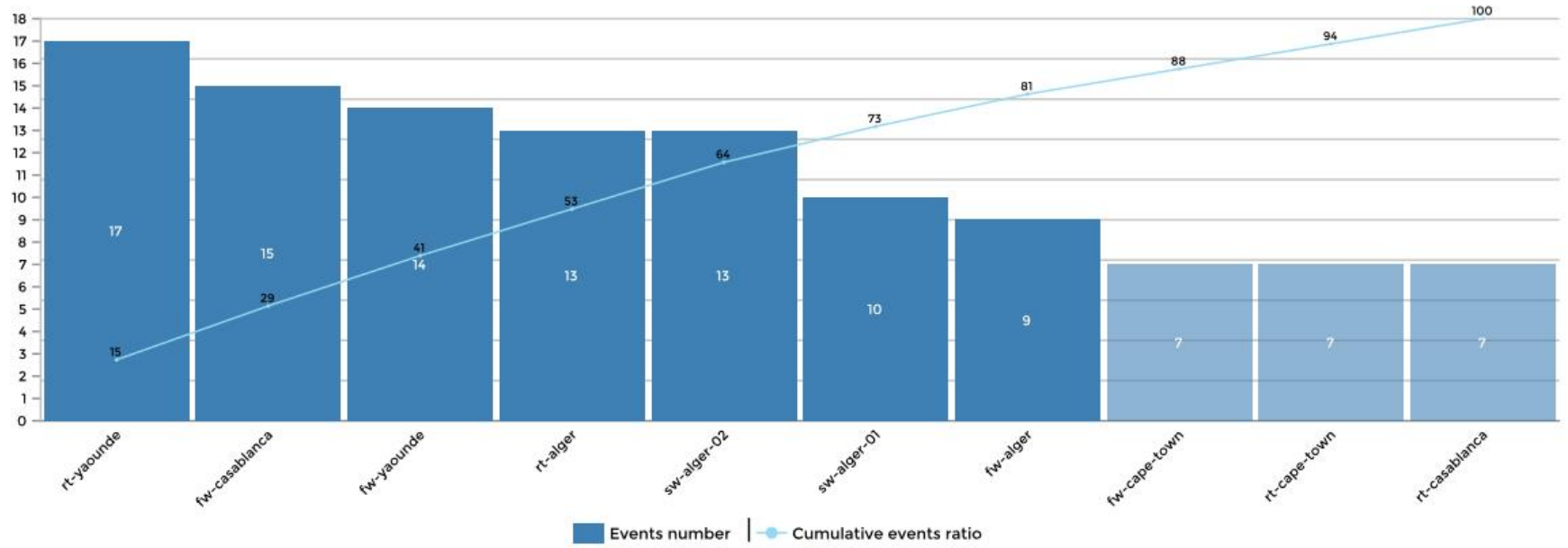
Hostgroup-Host-Event-Pareto This report allows the identification of hosts responsible of the largest number of event represented in a Pareto diagram

Network equipments

centreon business intelligence

Pareto Chart - Hosts that caused the more events:

7 hosts which corresponds to 70% of hosts on the hostgroup generate more that **80%** of total events



The pareto chart is a graph showing the importance of different causes (hosts) of a phenomenon (exception events).
This chart allows to highlight hosts generating the most of exception events (DOWN state) on a hostgroup. By sorting hosts in descending order in terms of events number and displaying the cumulative events ratio, it's possible to highlight that much part of events is based on a small number of hosts.

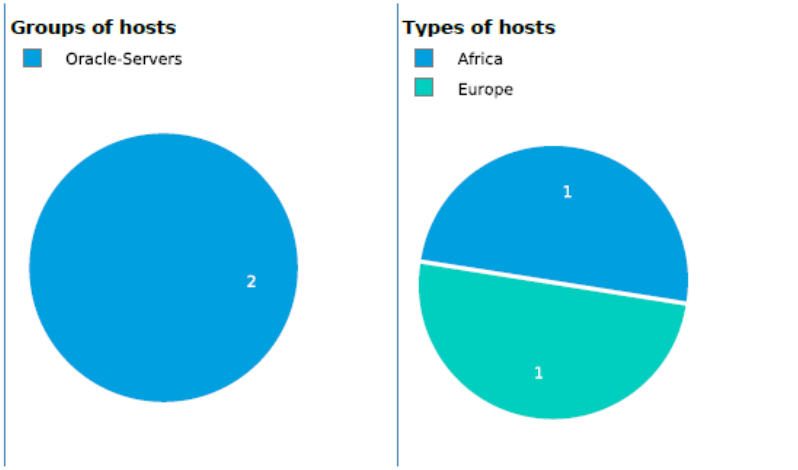
Capacity & Performance

Hostgroup-Capacity-Planning-Linear-Regression This report displays the evolution and forecast of performance metrics for a hostgroup.

centreon
business intelligence

Capacity provisional report

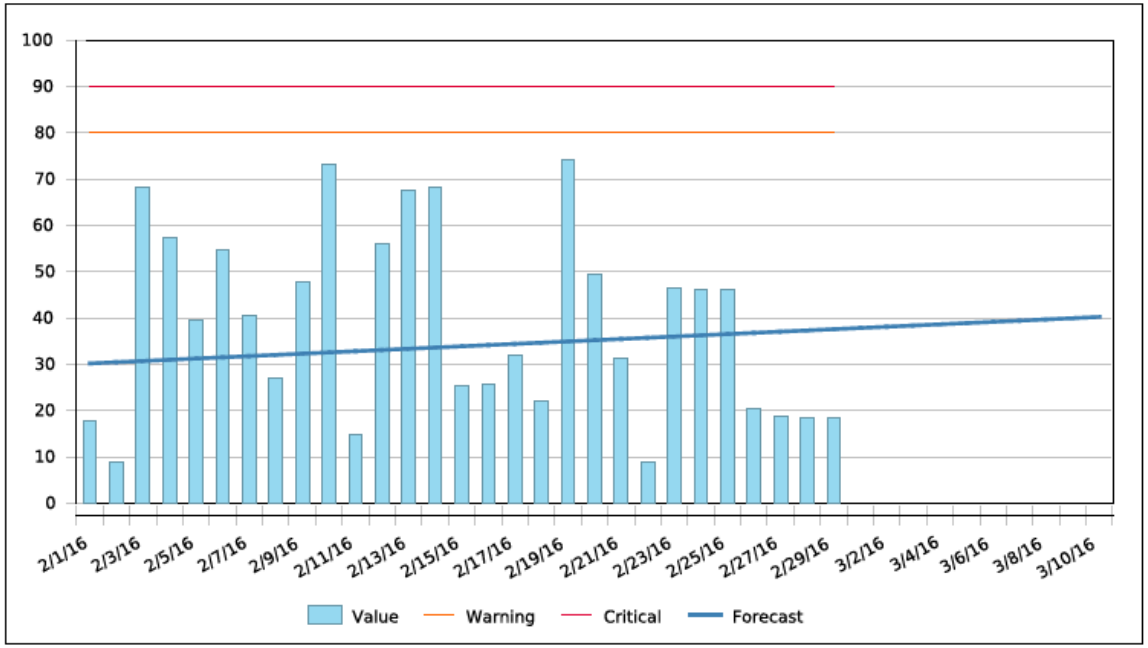
01 February 16
01 March 16



Time period : 24x7

srv-oracle-accounting disk-/ (metric: used)

Date	Value	Forecast	Error index
Feb 1, 2016	17.65	30.16	12.52
Feb 2, 2016	8.78	30.43	21.65
Feb 3, 2016	68.18	30.69	37.49
Feb 4, 2016	57.24	30.96	26.28
Feb 5, 2016	39.58	31.22	8.36
Feb 6, 2016	54.59	31.48	23.10
Feb 7, 2016	40.64	31.75	8.90
Feb 8, 2016	27.14	32.01	4.87
Feb 9, 2016	47.66	32.28	15.39
Feb 10, 2016	73.27	32.54	40.73
Feb 11, 2016	14.68	32.80	18.12
Feb 12, 2016	55.89	33.07	22.82
Feb 13, 2016	67.71	33.33	34.38
Feb 14, 2016	68.21	33.60	34.61
Feb 15, 2016	25.47	33.86	8.40
Feb 16, 2016	25.67	34.13	8.46
Feb 17, 2016	32.05	34.39	2.34
Feb 18, 2016	22.05	34.65	12.60
Feb 19, 2016	74.21	34.92	39.29
Feb 20, 2016	49.45	35.18	14.27
Feb 21, 2016	31.38	35.45	4.06
Feb 22, 2016	8.71	35.71	27.00
Feb 23, 2016	46.37	35.98	10.39
Feb 24, 2016	46.07	36.24	9.83
Feb 25, 2016	46.07	36.50	9.56
Feb 26, 2016	20.37	36.77	16.40
Feb 27, 2016	18.78	37.03	18.25
Feb 28, 2016	18.28	37.30	19.01
Feb 29, 2016	18.48	37.56	19.08
Mar 1, 2016		37.83	
Mar 2, 2016		38.09	
Mar 3, 2016		38.35	
Mar 4, 2016		38.62	
Mar 5, 2016		38.88	
Mar 6, 2016		39.15	
Mar 7, 2016		39.41	
Mar 8, 2016		39.68	
Mar 9, 2016		39.94	
Mar 10, 2016		40.20	
		Reliability index	18.21



Saturation forecast	
Critical treshold	90.00%
Number of days before saturation	198

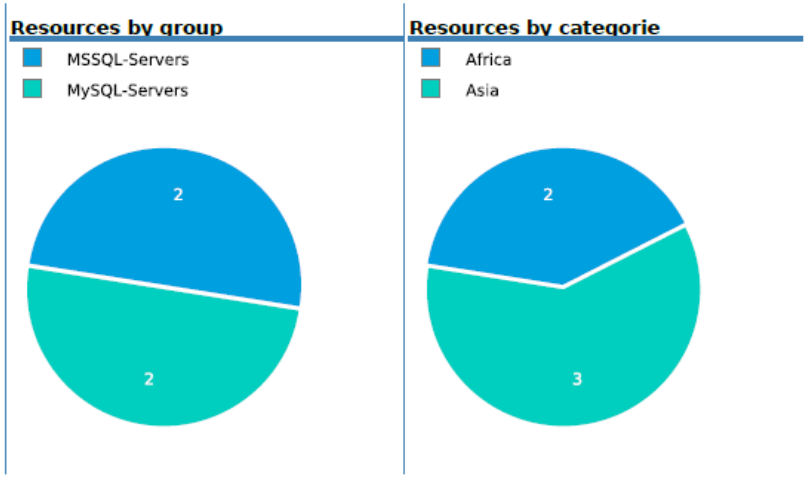
Values are expressed in percentage (%)
Daily based sampling
Sampling period to calculate the linear regression: Jan 12, 2016 - Mar 1, 2016
The forecasts are close to reality when the reliability index is less than 1

Hostgroups-Storage-Capacity-1 This report displays statistics on allocated and used storage space for multiple hostgroups.

centreon
business intelligence

Storage Management Report

01 March 16
01 April 16



Time period : 24x7

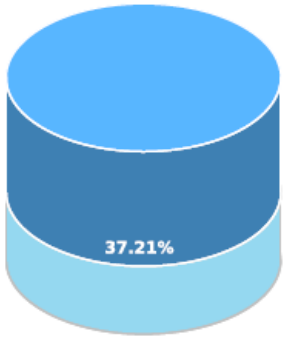
Definition and analysis axes

Allocated
The allocated space is the total amount of free and used space on the storage systems.

Used
The used space is the total amount of space occupied on storage systems.

Analysis axes
- The evolution of used space compared to the allocated space.
- The evolution of allocated space by hosts category.
- The evolution of allocated space by services category.
- The evolution of used and allocated space compared to the previous month.

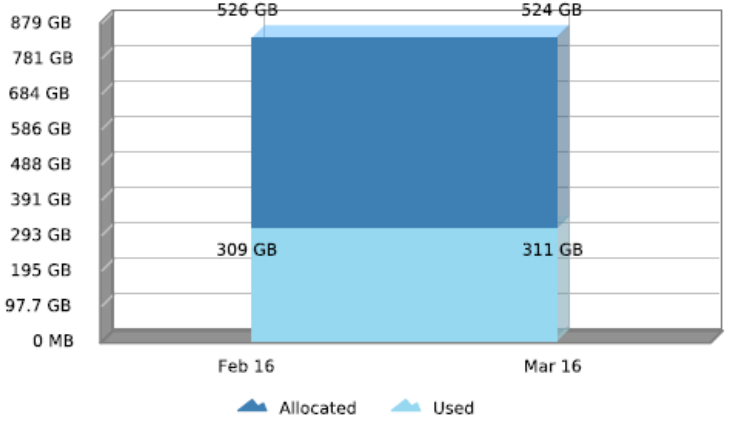
Global information



835 GB
of allocated space

311 GB
of used space

Allocated and used space evolution

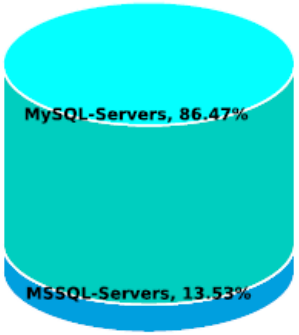


0.00% of additionnal allocated space compared to the previous month

0 B of additionnal allocated space compared to the previous month

2.18 GB of additionnal used space compared to the previous month for

Allocated space/host group

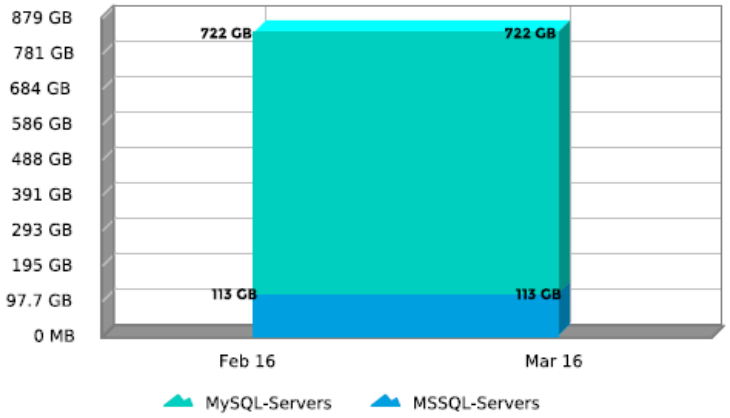


Detailed statistics by group

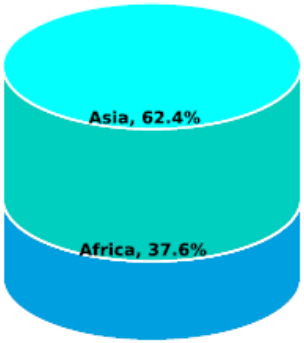
Group	Allocated	Evolution	% used	Evolution
MSSQL-Servers	113 GB	0% (0 B)	4.34%	-94.17% (-79.2 GB)
MySQL-Servers	722 GB	0% (0 B)	42.36%	36.26% (81.4 GB)
Global statistics	**835 GB**	**0% (0 B)**	**37.21%**	**0.71% (2.18 GB)**

Evolution corresponds to the difference for the value between the beginning and the end of the reporting period

Allocated space evolution by host group



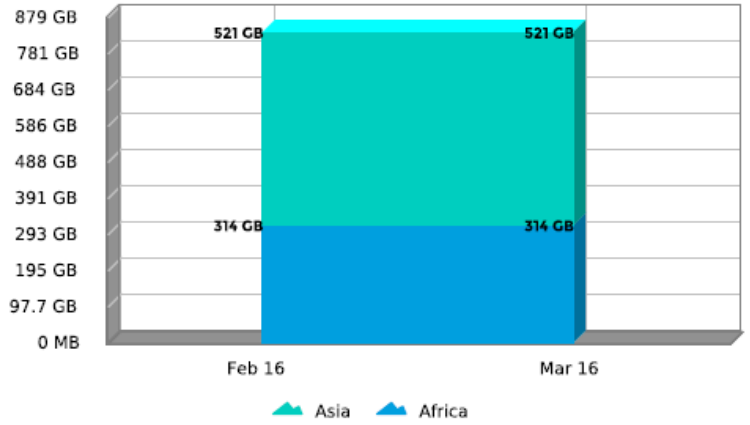
Allocated space/host cat.



Detailed Statistics

Host Categories	Allocated	Evolution	% used	Evolution
Asia	521 GB	0% (0 B)	39.97%	35.74% (54.8 GB)
Africa	314 GB	0% (0 B)	32.63%	-33.94% (-52.7 GB)
Global statistics	**835 GB**	**0% (0 B)**	**37.21%**	**0.71% (2.18 GB)**

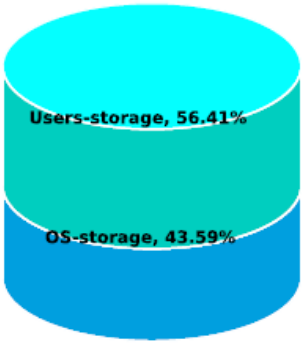
Allocated space evolution by host category



521 GB of additionnal allocated space compared to the previous month for : **Asia**

471 GB of the storage system is allocated to the service category : **Users-storage**

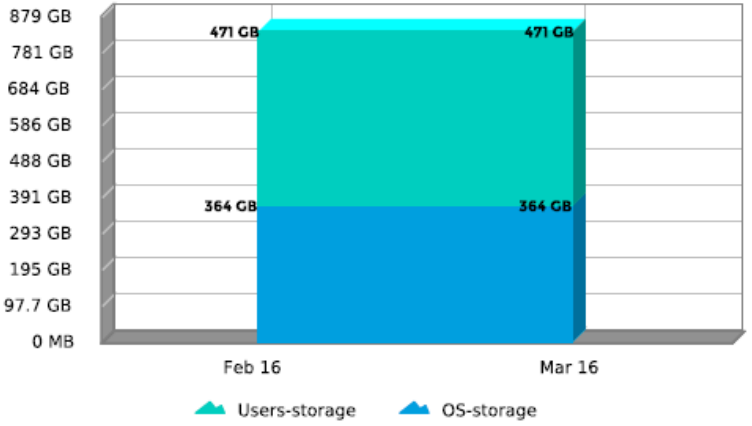
Allocated space/service cat.



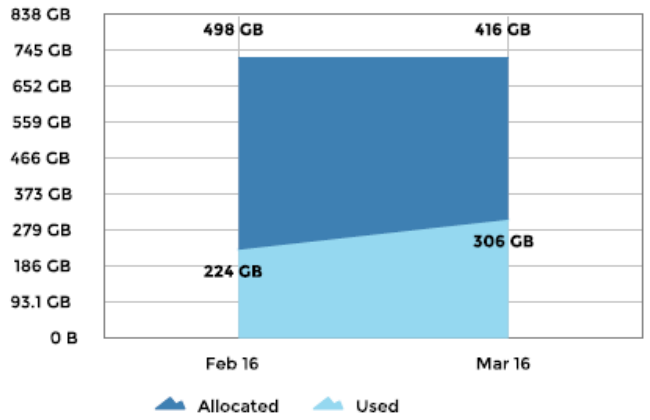
Detailed statistics by service category

Services Categories	Allocated	Evolution	% used	Evolution
OS-storage	364 GB	0% (0 B)	49.14%	40.64% (51.7 GB)
Users-storage	471 GB	0% (0 B)	27.99%	-27.3% (-49.5 GB)
Global statistics	**835 GB**	**0% (0 B)**	**37.21%**	**0.71% (2.18 GB)**

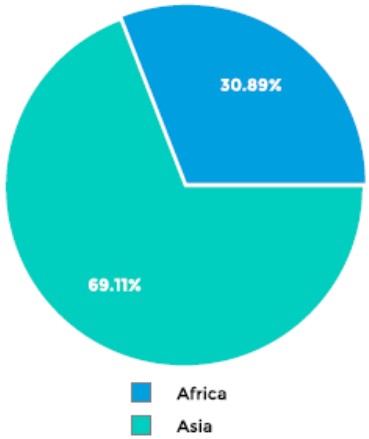
Allocated space evolution by service category



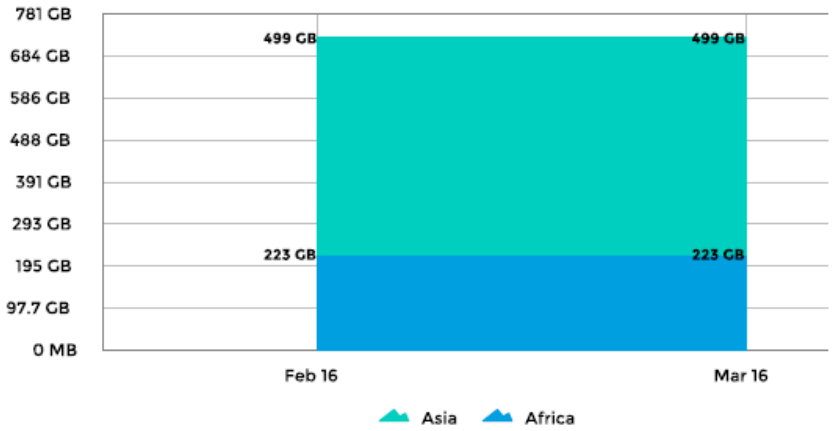
Allocated and used space evolution



Allocated space/host cat.



Allocated space evolution by host category

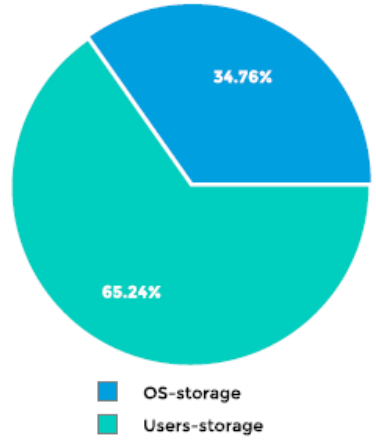


MySQL-Servers

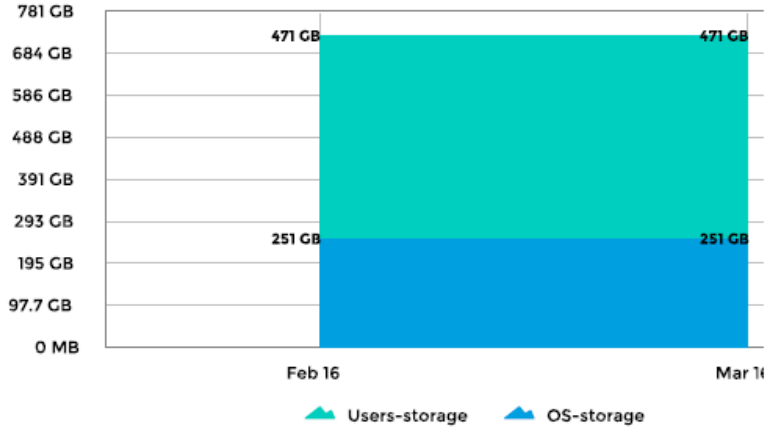
The table on the right presents the evolution in percentage of allocated and used space for all host groups.

	Feb 16	Mar 16
Allocated	-	-
Used	-	+36.26% (81.4 GB)

Allocated space/service cat.



Allocated space evolution by service category



Detailed statistics by host and service category

	Allocated	Evolution	% used	Evolution
Africa	223 GB	0% (0 B)	45.74%	24.31% (19.9 GB)
OS-storage	57 GB	0% (0 B)	77.62%	121.77% (24.3 GB)
Users-storage	166 GB	0% (0 B)	34.79%	-7% (-4.35 GB)
Asia	499 GB	0% (0 B)	40.84%	43.15% (61.4 GB)
OS-storage	194 GB	0% (0 B)	66.87%	461.03% (107 GB)
Users-storage	305 GB	0% (0 B)	24.29%	-37.87% (-45.2 GB)
Global statistics	**722 GB**	**0% (0 B)**	**42.36%**	**36.26% (81.4 GB)**

Hostgroup-Storage-Capacity-List This report displays the list of storage spaces usage for a hostgroup.

Host group **Database-Servers**

centreon business intelligence

Space allocated/used by host

		Allocation		Occupation			
Resource	Partition	Allocated	Evolution	Used	% used	Evolution	Time before saturation
srv-oracle-accounting	disk-/	286 GB	0 %(0 B)	148 GB	51.80%	-37.97 % (-90.7 GB)	-
srv-mssql-01	disk-C	91 GB	0 %(0 B)	44.4 GB	48.80%	17.1 % (6.48 GB)	44 day(s)
srv-mysql-01	disk-/usr	180 GB	0 %(0 B)	84.2 GB	46.75%	-34.5 % (-44.3 GB)	-
srv-mysql-02	disk-/usr	124 GB	0 %(0 B)	55 GB	44.35%	-30.3 % (-23.9 GB)	-
srv-oracle-users	disk-/	89 GB	0 %(0 B)	36.9 GB	41.44%	-29.37 % (-15.3 GB)	-
srv-oracle-users	disk-/usr	52 GB	0 %(0 B)	19.1 GB	36.68%	-26.61 % (-6.92 GB)	-
srv-oracle-crm	disk-/	18 GB	0 %(0 B)	6.49 GB	36.05%	37.16 % (1.76 GB)	40 day(s)
srv-oracle-crm	disk-/usr	148 GB	0 %(0 B)	52.7 GB	35.62%	31.07 % (12.5 GB)	46 day(s)
srv-mysql-01	disk-/	114 GB	0 %(0 B)	39.7 GB	34.80%	-36.34 % (-22.6 GB)	-
srv-oracle-accounting	disk-/usr	346 GB	0 %(0 B)	116 GB	33.43%	-44.34 % (-92.1 GB)	-
srv-mysql-02	disk-/	137 GB	0 %(0 B)	43.2 GB	31.55%	191.82 % (28.4 GB)	20 day(s)
srv-mssql-02	disk-C	22 GB	0 %(0 B)	5.95 GB	27.03%	592.16 % (5.09 GB)	19 day(s)
srv-oracle-accounting	disk-/home	312 GB	0 %(0 B)	75.1 GB	24.07%	10.35 % (7.05 GB)	3+ months
srv-oracle-crm	disk-/home	6 GB	0 %(0 B)	1.19 GB	19.86%	-71.36 % (-2.97 GB)	-
srv-mysql-02	disk-/home	15 GB	0 %(0 B)	1.89 GB	12.60%	62.94 % (747 MB)	3+ months
srv-mysql-01	disk-/home	152 GB	0 %(0 B)	19.1 GB	12.60%	-29.49 % (-8.01 GB)	-
srv-oracle-users	disk-/home	39 GB	0 %(0 B)	2.59 GB	6.65%	-44.55 % (-2.08 GB)	-

Hostgroup-Storage-Capacity-2 This report gives detailed storage statistics and the storage space evolution of a hostgroup.

Host group **Linux-Servers**

centreon business intelligence

Definition and axis analysis

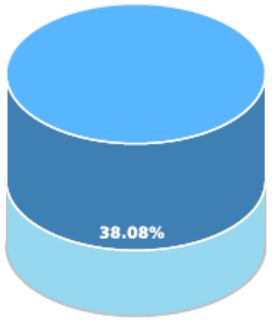
Allocated
The allocated space is the total amount of free and used space on the storage systems.

Used
The used space is the total amount of space occupied on storage systems.

Evolution
Evolution corresponds to the difference for the value between the beginning and the end of the reporting period

Time before saturation
The saturation delay is calculated assuming that the evolution will be the same throughout a same reporting period.

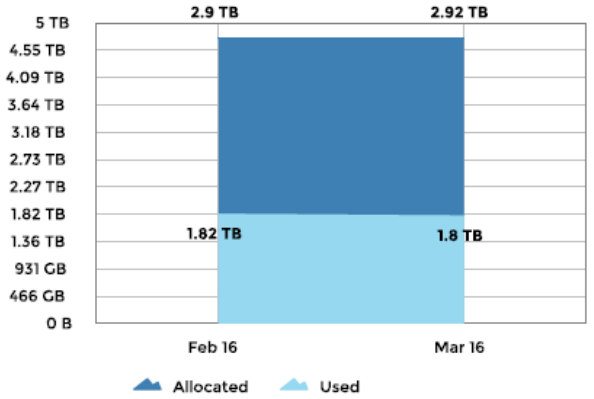
Global information



4.71 TB
of allocated space

1.8 TB
of used space

Allocated and used space evolution



On the right, the evolution in percentage of the used and allocated space for the group. The evolution is calculated relative to the values of the previous month. This allows to show if the increase of the allocated storage space is consistent compared to the used storage space.

	Mar 2016	
Allocated	-	-
Used	-	-1.14% (-21.2 GB)

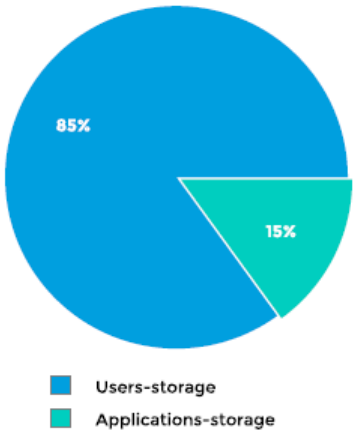
Top 10 - time before saturation

		Occupation			
Resource	Partition	Allocated	% used	Evolution	Time before saturation
mail-ganymede-backend	disk-/var/spool/cyrus	192 GB	97.04%	181 GB	1 day(s)
srv-oracle-crm	disk-/usr	148 GB	99.27%	25.5 GB	2 day(s)
mail-jupiter-frontend	disk-/usr	112 GB	95.71%	58.8 GB	3 day(s)
mail-venus-frontend	disk-/usr	88 GB	66.69%	51 GB	18 day(s)
mail-mars-frontend	disk-/home	44 GB	71.44%	22.5 GB	18 day(s)
mail-titan-gateway	disk-/home	134 GB	76.96%	37.7 GB	26 day(s)
mail-mars-frontend	disk-/usr	5 GB	73.16%	870 MB	49 day(s)
mail-titan-gateway	disk-/usr	182 GB	42.51%	57.6 GB	57 day(s)
mail-uranus-frontend	disk-/home	41 GB	31.97%	12.7 GB	69 day(s)
srv-oracle-crm	disk-/home	6 GB	44.10%	1.2 GB	87 day(s)

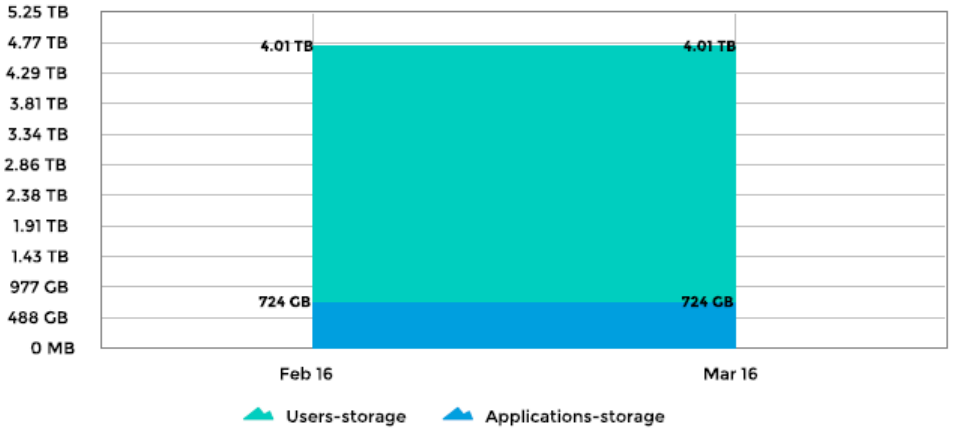
Top 10 - storage space usage

		Occupation			
Resource	Partition	Allocated	Used	% used	Evolution
srv-oracle-crm	disk-/usr	148 GB	147 GB	99.27%	20.98 %
mail-ganymede-backend	disk-/var/spool/cyrus	192 GB	186 GB	97.04%	3699.4 %
mail-jupiter-frontend	disk-/usr	112 GB	107 GB	95.71%	121.46 %
mail-titan-gateway	disk-/home	134 GB	103 GB	76.96%	57.56 %
mail-europa-backend	disk-/home	54 GB	40.1 GB	74.25%	11.46 %
mail-mars-frontend	disk-/usr	5 GB	3.66 GB	73.16%	30.25 %
mail-mars-frontend	disk-/home	44 GB	31.4 GB	71.44%	252.98 %
mail-venus-frontend	disk-/usr	88 GB	58.7 GB	66.69%	658.97 %
mail-saturn-frontend	disk-/usr	22 GB	13.5 GB	61.36%	-37.8 %
mail-ganymede-backend	disk-/usr	106 GB	61.9 GB	58.38%	1.69 %

Allocated space/service cat.



Allocated space evolution by service category



Key Numbers

85.00%

of the total space is allocated to the service category **Users-storage**

0 B

of the storage system is allocated to the service category **Users-storage** which is the highest increase during this period.

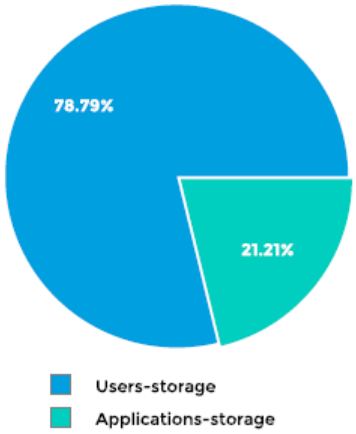
+ 200 GB

of additionnal used space compared to the previous month for **Applications-storage** which disk used percentage is the highest.

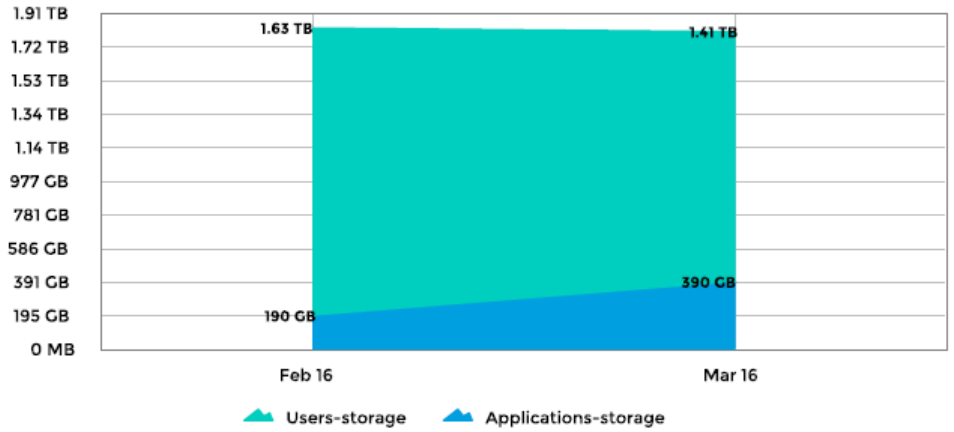
Detailed statistics by service category

	Allocated			Used		
Services Categories	Allocated	% allocated	Evolution	Used	% used	Evolution
Users-storage	4.01 TB	85.00%	0% (0 B)	1.41 TB	35.30%	-13.25% (-221 GB)
Applications-storage	724 GB	15.00%	0% (0 B)	390 GB	53.85%	105.37% (200 GB)
Global statistics	**4.71 TB**		**0% (0 B)**	**1.8 TB**	**38.08%**	**-1.14% (-21.2 GB)**

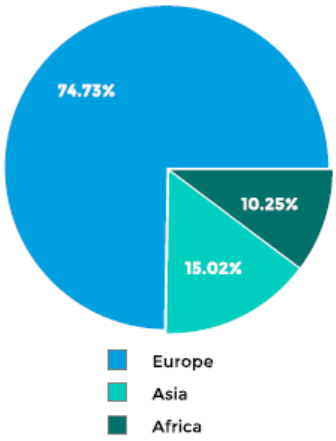
Used space/service cat.



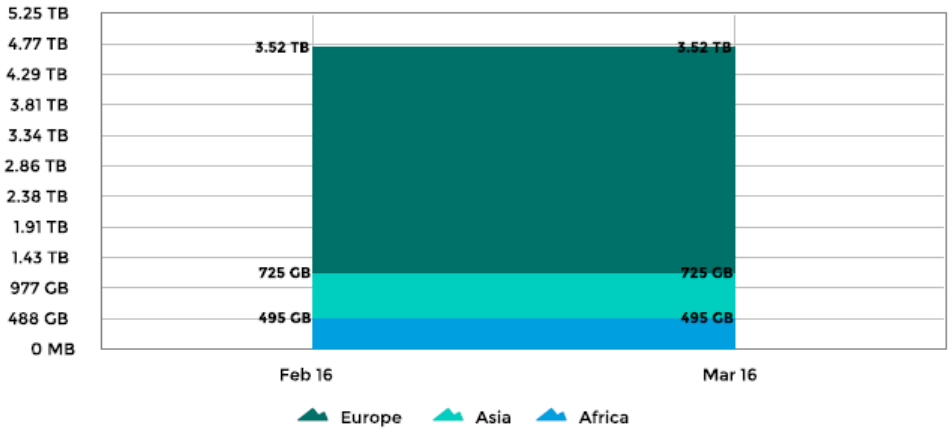
Used space evolution by service category



Allocated space/host cat.



Allocated space evolution by host category



Key Numbers

74.73%

of the total space is allocated to the host category **Europe**

0 B

of additionnal allocated space compared to the previous month for **Asia** which is the highest increase during this period.

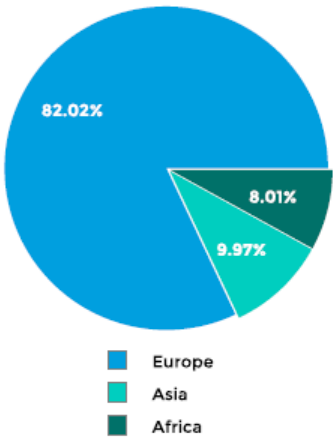
+ 15.1 GB

of additionnal used space compared to the previous month for **Africa** which disk used percentage is the highest.

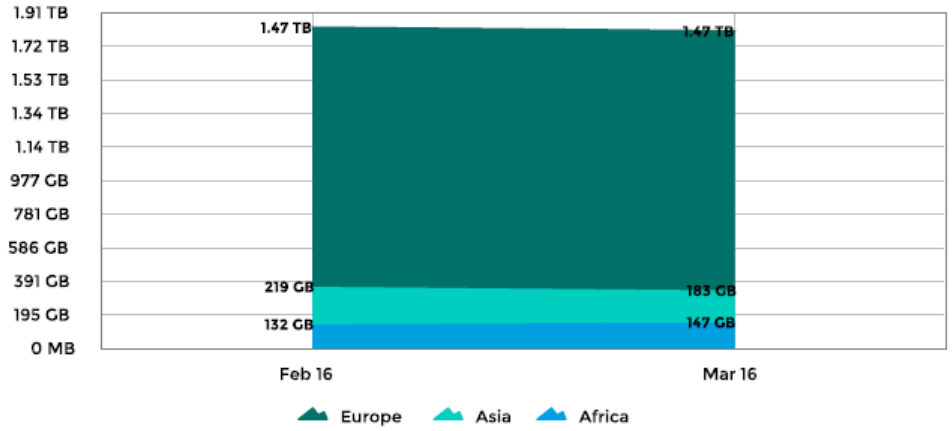
Detailed statistics by host category

	Allocated			Used		
Host Categories	**Allocated**	**% allocated**	**Evolution**	**Used**	**% used**	**Evolution**
Asia	725 GB	15.02%	0% (0 B)	183 GB	25.28%	-16.24% (-35.6 GB)
Europe	3.52 TB	74.73%	0% (0 B)	1.47 TB	41.80%	-0.05% (-771 MB)
Africa	495 GB	10.25%	0% (0 B)	147 GB	29.76%	11.4% (15.1 GB)
Global statistics	**4.71 TB**		**0% (0 B)**	**1.8 TB**	**38.08%**	**-1.14% (-21.2 GB)**

Used space/host cat.



Used space evolution by host category



Space allocated/used by host

		Allocation		Occupation			
Resource	Partition	Allocated	Evolution	Used	% used	Evolution	Time before saturation
mail-callisto-backend	disk-/usr	37 GB	0 %(0 B)	8.66 GB	23.39%	-6.83 % (-650 MB)	-
srv-oracle-accounting	disk-/home	312 GB	0 %(0 B)	49.6 GB	15.89%	-11.15 % (-6.22 GB)	-
mail-io-backend	disk-/var/spool/cyrus	184 GB	0 %(0 B)	51 GB	27.70%	-6.25 % (-3.4 GB)	-
mail-mercury-frontend	disk-/usr	159 GB	0 %(0 B)	36.8 GB	23.15%	-20.38 % (-9.42 GB)	-
srv-mysql-02	disk-/home	15 GB	0 %(0 B)	4.2 GB	28.03%	-25.72 % (-1.46 GB)	-
mail-europa-backend	disk-/usr	34 GB	0 %(0 B)	7.51 GB	22.09%	-34.19 % (-3.9 GB)	-
mail-europa-backend	disk-/var/spool/cyrus	148 GB	0 %(0 B)	73.5 GB	49.65%	-18.09 % (-16.2 GB)	-
mail-jupiter-frontend	disk-/home	54 GB	0 %(0 B)	24.7 GB	45.75%	-20.61 % (-6.41 GB)	-
srv-oracle-users	disk-/usr	52 GB	0 %(0 B)	7.26 GB	13.96%	-60.63 % (-11.2 GB)	-
mail-earth-frontend	disk-/home	112 GB	0 %(0 B)	24.3 GB	21.66%	-54.6 % (-29.2 GB)	-
srv-mysql-02	disk-/usr	124 GB	0 %(0 B)	12.1 GB	9.78%	-76.45 % (-39.4 GB)	-
srv-mysql-01	disk-/usr	180 GB	0 %(0 B)	70.1 GB	38.92%	-36.41 % (-40.1 GB)	-
mail-earth-frontend	disk-/usr	94 GB	0 %(0 B)	45.7 GB	48.66%	-29.68 % (-19.3 GB)	-
mail-callisto-backend	disk-/home	29 GB	0 %(0 B)	12.9 GB	44.60%	-34.33 % (-6.76 GB)	-
mail-saturn-frontend	disk-/home	200 GB	0 %(0 B)	99.6 GB	49.78%	-31.18 % (-45.1 GB)	-
mail-venus-frontend	disk-/home	191 GB	0 %(0 B)	22.6 GB	11.84%	-77.37 % (-77.3 GB)	-
mail-sun-master	disk-/home	170 GB	0 %(0 B)	9.73 GB	5.73%	-89.01 % (-78.8 GB)	-
mail-sun-master	disk-/usr	68 GB	0 %(0 B)	25.9 GB	38.09%	-46.18 % (-22.2 GB)	-
mail-neptune-frontend	disk-/home	132 GB	0 %(0 B)	8.5 GB	6.44%	-88.76 % (-67.1 GB)	-
mail-neptune-frontend	disk-/usr	118 GB	0 %(0 B)	16.6 GB	14.10%	-78.55 % (-60.9 GB)	-
mail-io-backend	disk-/usr	123 GB	0 %(0 B)	9.32 GB	7.58%	-88.56 % (-72.2 GB)	-
mail-saturn-frontend	disk-/usr	22 GB	0 %(0 B)	13.5 GB	61.36%	-37.8 % (-8.2 GB)	-
mail-ganymede-backend	disk-/var/spool/cyrus	192 GB	0 %(0 B)	186 GB	97.04%	3699.4 % (181 GB)	1 day(s)
srv-oracle-crm	disk-/usr	148 GB	0 %(0 B)	147 GB	99.27%	20.98 % (25.5 GB)	2 day(s)
mail-jupiter-frontend	disk-/usr	112 GB	0 %(0 B)	107 GB	95.71%	121.46 % (58.8 GB)	3 day(s)
mail-venus-frontend	disk-/usr	88 GB	0 %(0 B)	58.7 GB	66.69%	658.97 % (51 GB)	18 day(s)
mail-mars-frontend	disk-/home	44 GB	0 %(0 B)	31.4 GB	71.44%	252.98 % (22.5 GB)	18 day(s)
mail-titan-gateway	disk-/home	134 GB	0 %(0 B)	103 GB	76.96%	57.56 % (37.7 GB)	26 day(s)
mail-mars-frontend	disk-/usr	5 GB	0 %(0 B)	3.66 GB	73.16%	30.25 % (870 MB)	49 day(s)
mail-titan-gateway	disk-/usr	182 GB	0 %(0 B)	77.4 GB	42.51%	291.35 % (57.6 GB)	57 day(s)
mail-uranus-frontend	disk-/home	41 GB	0 %(0 B)	13.1 GB	31.97%	3171.19 % (12.7 GB)	69 day(s)
srv-oracle-crm	disk-/home	6 GB	0 %(0 B)	2.65 GB	44.10%	82.97 % (1.2 GB)	87 day(s)
mail-callisto-backend	disk-/var/spool/cyrus	200 GB	0 %(0 B)	79.1 GB	39.56%	93.62 % (38.3 GB)	3+ months
mail-europa-backend	disk-/home	54 GB	0 %(0 B)	40.1 GB	74.25%	11.46 % (4.12 GB)	3+ months
srv-mysql-01	disk-/home	152 GB	0 %(0 B)	45.5 GB	29.90%	223.89 % (31.4 GB)	3+ months
srv-oracle-accounting	disk-/usr	346 GB	0 %(0 B)	130 GB	37.44%	53.35 % (45.1 GB)	3+ months
mail-uranus-frontend	disk-/usr	105 GB	0 %(0 B)	42.9 GB	40.88%	29.93 % (9.89 GB)	3+ months
mail-io-backend	disk-/home	177 GB	0 %(0 B)	47.3 GB	26.73%	67.52 % (19.1 GB)	3+ months
srv-oracle-users	disk-/home	39 GB	0 %(0 B)	12.4 GB	31.84%	12.39 % (1.37 GB)	3+ months
mail-ganymede-backend	disk-/home	99 GB	0 %(0 B)	11.7 GB	11.77%	54.55 % (4.11 GB)	3+ months
mail-ganymede-backend	disk-/usr	106 GB	0 %(0 B)	61.9 GB	58.38%	1.69 % (1.03 GB)	3+ months
mail-mercury-frontend	disk-/home	39 GB	0 %(0 B)	3.42 GB	8.78%	24.28 % (685 MB)	3+ months

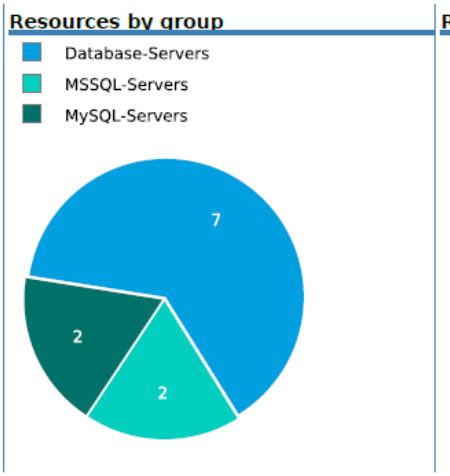
Hostgroups-Rationalization-Of-Resources-1 This report gives a global view of resources usage by hostgroups and displays hosts and hostgroups that are overloaded or underused.

centreon
business intelligence

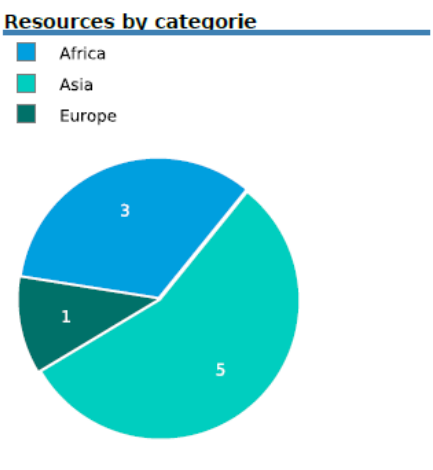
Resources rationalization

Time period : 24x7

Resources by group



Resources by categorie



01 March 16
01 April 16

1 / 5

Underused host (-)

A host is considered as underused if the average value of the **-Memory-** indicator, for a time period is below the underuse treshold

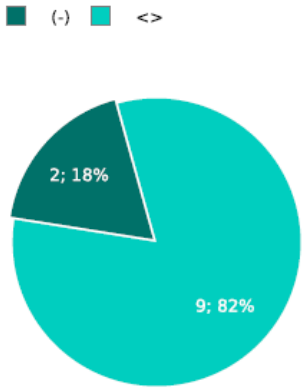
Stable host <>

A host is considered as stable if the average value of the **-Memory-** indicator, for a time period is between the underuse and the overload tresholds

Overloaded host (+)

A host is considered as overloaded if the average value of the **-Memory-** indicator, for a time period is above the overload treshold

Global Distribution of hosts



Trend

0.00%

of overloaded hosts compared to previous period.

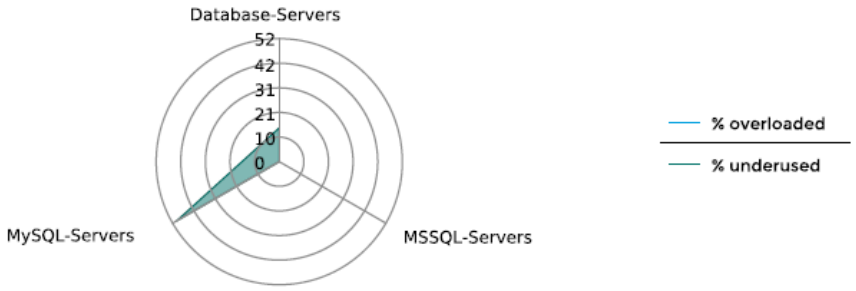
-33.33%

of underused hosts compared to previous period.

-

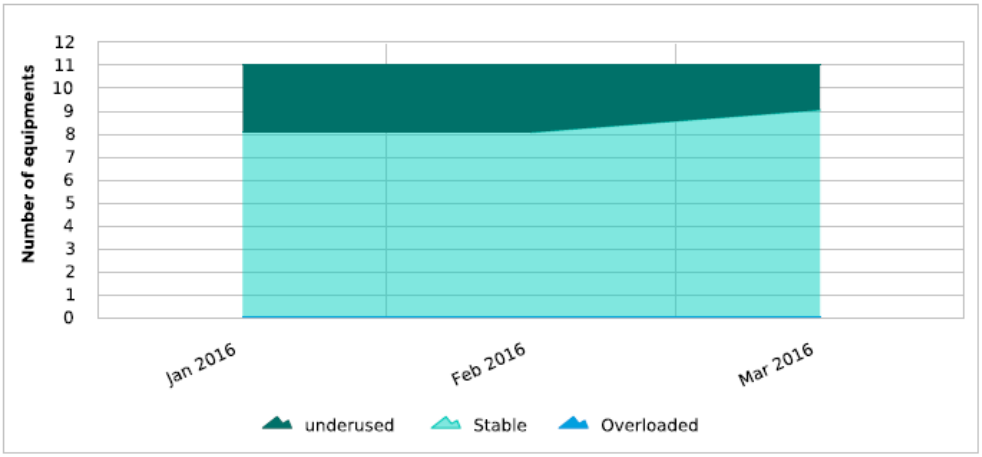
The number of hosts has not evolved compared to previous period

Number of overloaded/underused/stable hosts by group



	Hosts					
Groups	Total	underused		Overloaded		Stable	
Database-Servers	7	14.29%	(1)	0.00%	(0)	85.71%	(6)
MSSQL-Servers	2	0.00%	(0)	0.00%	(0)	100.00%	(2)
MySQL-Servers	2	50.00%	(1)	0.00%	(0)	50.00%	(1)
Global Statistics	**11**	**18.18%**	**(2)**	**0.00%**	**(0)**	**81.82%**	**(9)**

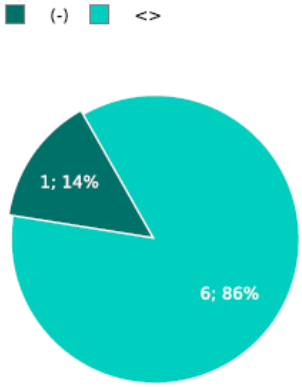
Overloaded/underused/stable hosts evolution



	2016		
	January	February	March
(-)	27.27% (3)	27.27% (3)	18.18% (2)
<>	72.73% (8)	72.73% (8)	81.82% (9)

Database-Servers

Host distribution



Overloaded hosts

Overloaded hosts of this group represent

0.00%

of all host groups

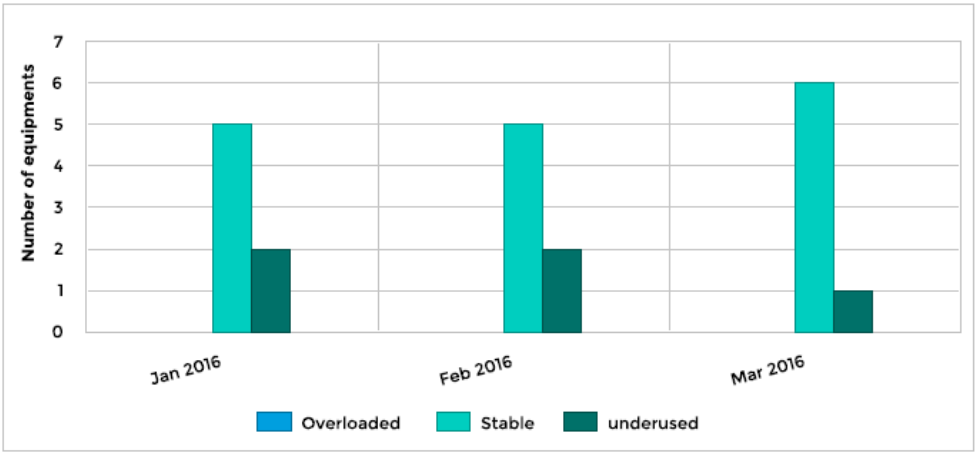
Underused hosts

Underused hosts of this group represent

50.00%

of all host groups

Overloaded/underused/stable hosts evolution



The most overloaded hosts

Hosts	Average	Deviation

The most underused hosts

Hosts	Average	Deviation
srv-mysql-02	39.08	7.84

The standard deviation is the average distribution of measured values in relation to the presented indicator average value. A low deviation indicates that the value varies slightly over time

Hostgroup-Service-Metric-Performance-List This report displays a list of average performances data for a list of services. It also gives the minimum and the maximum value reached of the period, the warning and the critical thresholds.

Host group **Database-Servers**

centreon business intelligence

Performance data by metric

					Value				Threshold	
Host cat.	Hosts	Service cat.	Service	Metric	Average	Min value	Max reached	Max reachable	Warning	Critical
Asia	srv-mssql-02	Memory	memory	used	39.68	2.87	93.63	2147480000	80	90
Asia	srv-mysql-01	Memory	memory	used	40.17	2.59	93.59	17179900000	80	90
Asia	srv-mysql-02	Memory	memory	used	43.29	3.70	92.27	2147480000	80	90
Asia	srv-oracle-accounting	Memory	memory	used	39.80	1.90	94.73	1073740000	80	90
Asia	srv-oracle-users	Memory	memory	used	40.68	2.10	91.98	13958600000	80	90
Europe	srv-oracle-crm	Memory	memory	used	40.51	3.06	93.04	10737400000	80	90
Africa	srv-mssql-01	Memory	memory	used	40.62	2.55	93.87	2147480000	80	90
Africa	srv-mysql-01	Memory	memory	used	40.17	2.59	93.59	17179900000	80	90
Africa	srv-oracle-accounting	Memory	memory	used	39.80	1.90	94.73	1073740000	80	90

Reporting period from 2/1/16 to 3/1/16 , business hours: 24x7

1 / 1

Hostgroups-Categories-Performance-List This report displays a list of average performances data for a list of host groups, host categories and service categories. It gives also the minimum and the maximum value reached on the period.

CPU usage

centreon business intelligence

Performance average list by host groups, host categories and services categories

Groups	Host cat.	Service cat.	Average	Max reached	Min value
Windows-Servers	Asia	CPU	62.50	84.6	40.4
Windows-Servers	Europe	CPU	62.50	84.82	40.26
Windows-Servers	Africa	CPU	62.47	84.61	40.13

Network

Hostgroup-Traffic-average-By-Interface This report displays the average usage of network interfaces bandwith for a hostgroup.

Host group **Windows-Servers**

centreon business intelligence

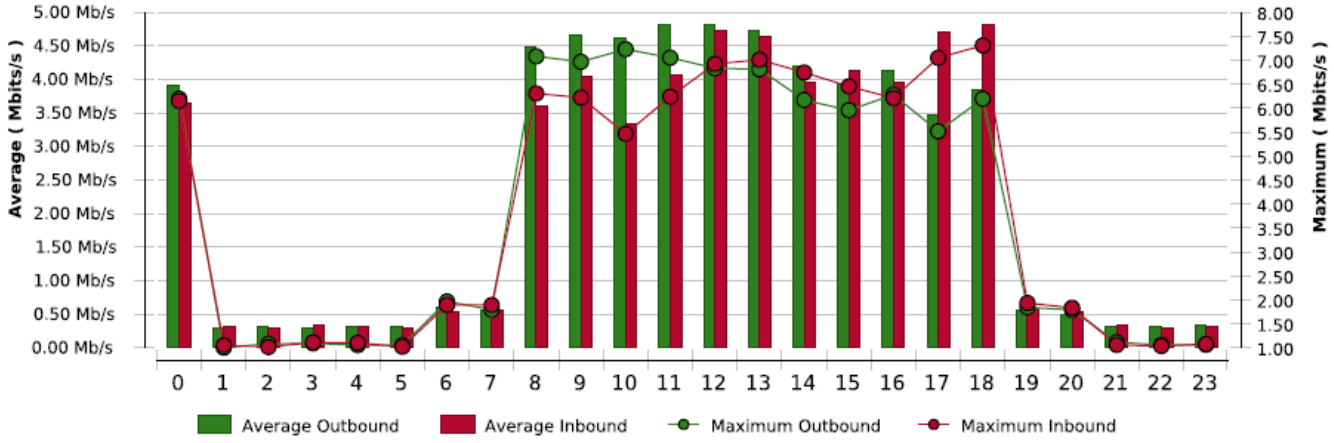
The following histograms show the distribution of the bandwidth usage by network link.

Reporting period from 2/1/16 to 3/1/16

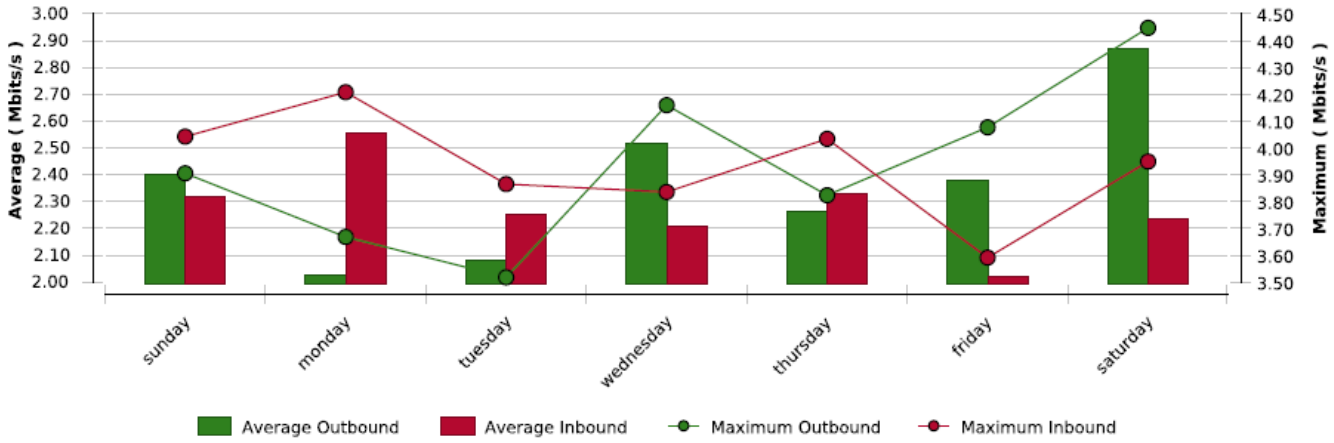
1 / 6

traffic-card0 of srv-DC-alger

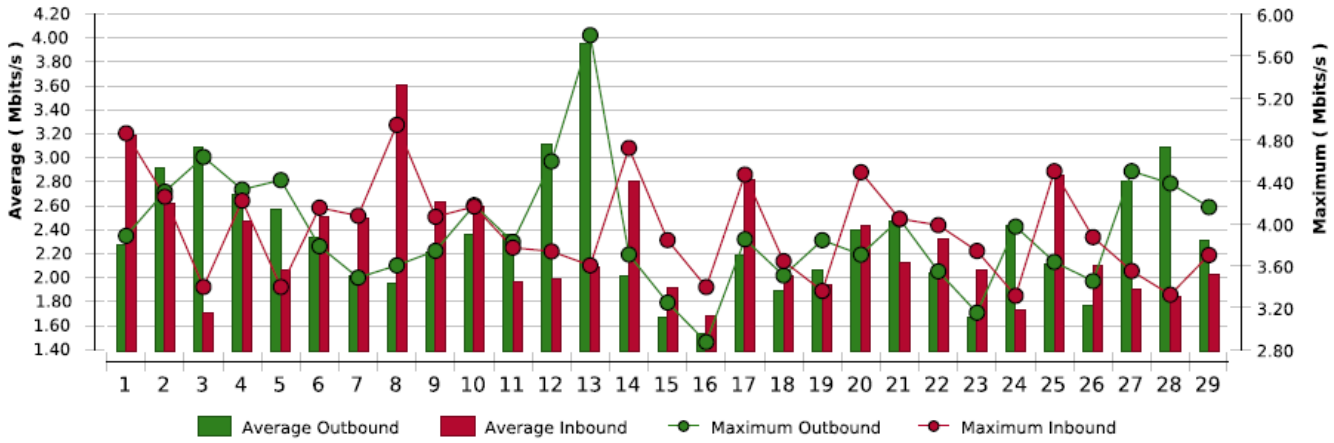
Distribution per hour on the interface



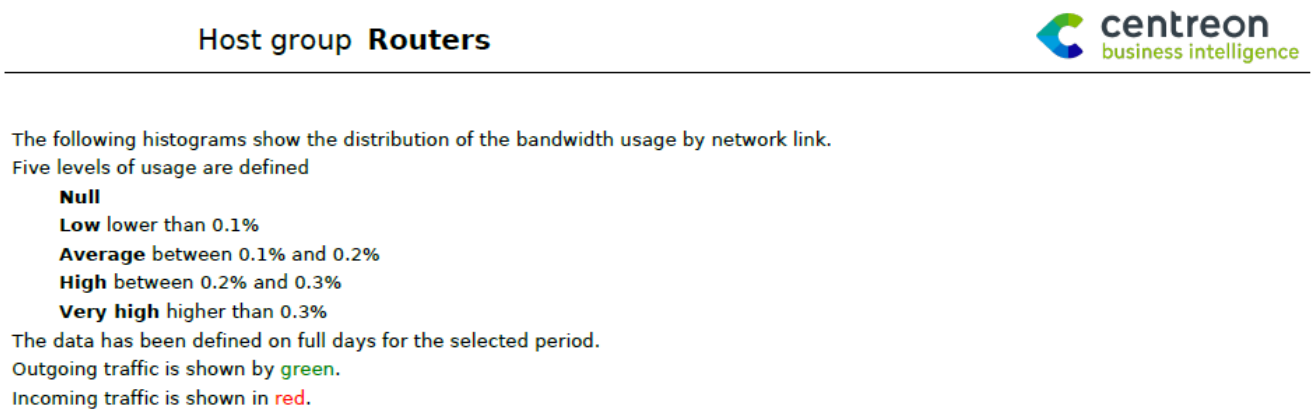
Distribution per day of week on the interface



Distribution per day of month on the interface



Hostgroup-Traffic-By-Interface-And-Bandwith-Ranges This report shows the average bandwith usage distribution of network interfaces for a hostgroup



Host group **Routers**

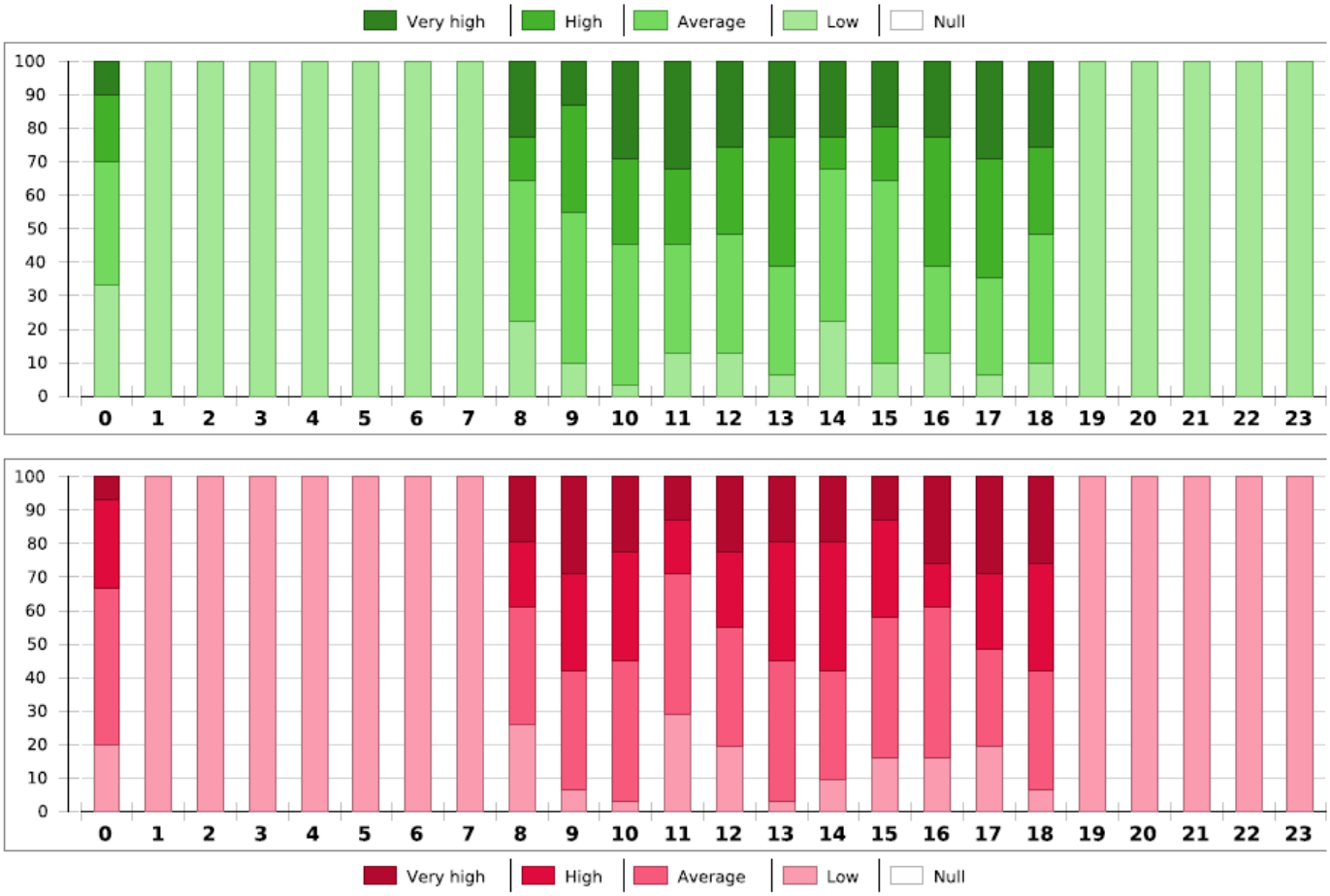
centreon business intelligence

The following histograms show the distribution of the bandwidth usage by network link.
Five levels of usage are defined

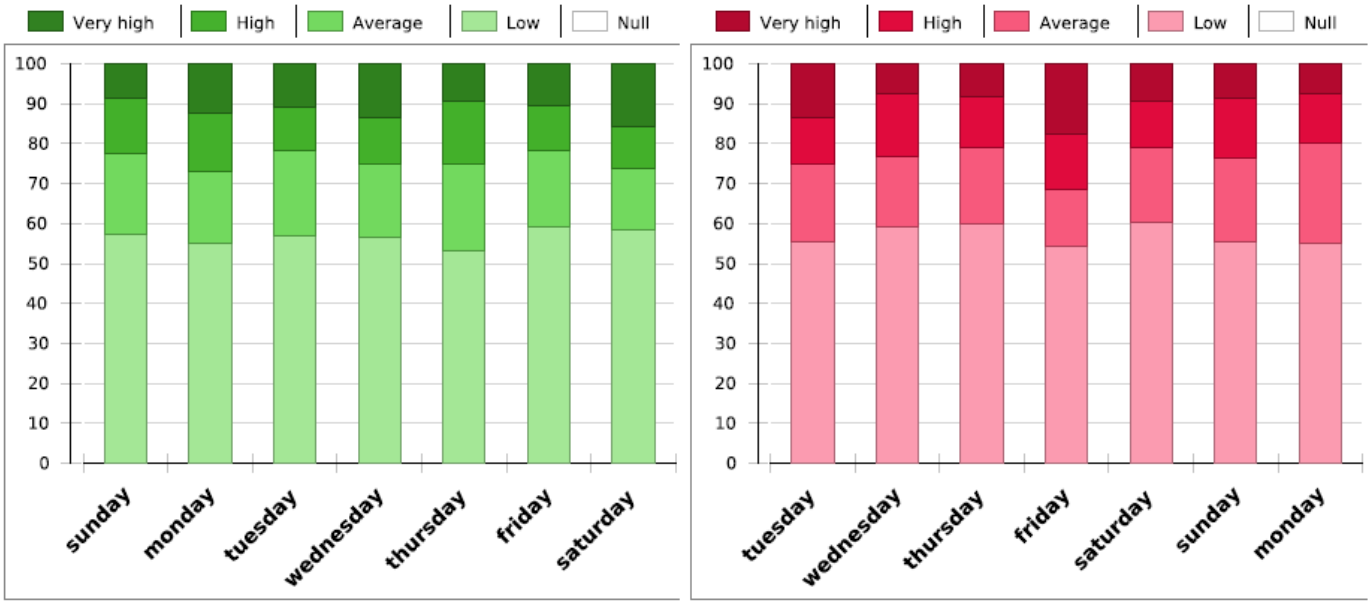
- **Null**
- **Low** lower than 0.1%
- **Average** between 0.1% and 0.2%
- **High** between 0.2% and 0.3%
- **Very high** higher than 0.3%

The data has been defined on full days for the selected period.
Outgoing traffic is shown by green.
Incoming traffic is shown in red.

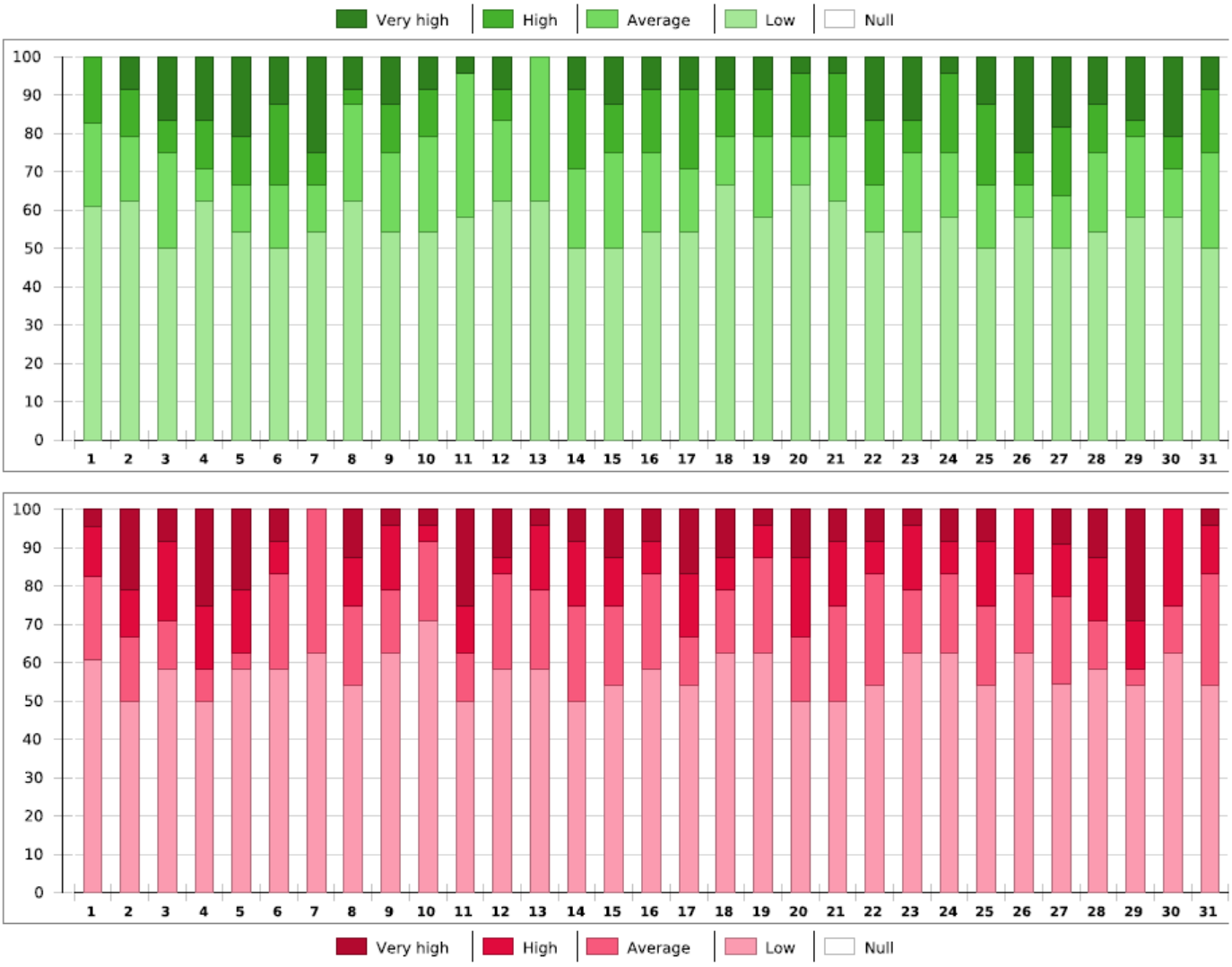
Distribution per hour on the interface traffic-primary of rt-beijing



Distribution per day of week on the interface traffic-primary of rt-beijing



Distribution per day of month on the interface traffic-primary of rt-beijing



Hostgroup-Monthly-Network-Centile This report displays statistics about the centile and the average usag of the inbound and outbound bandwith by interface.

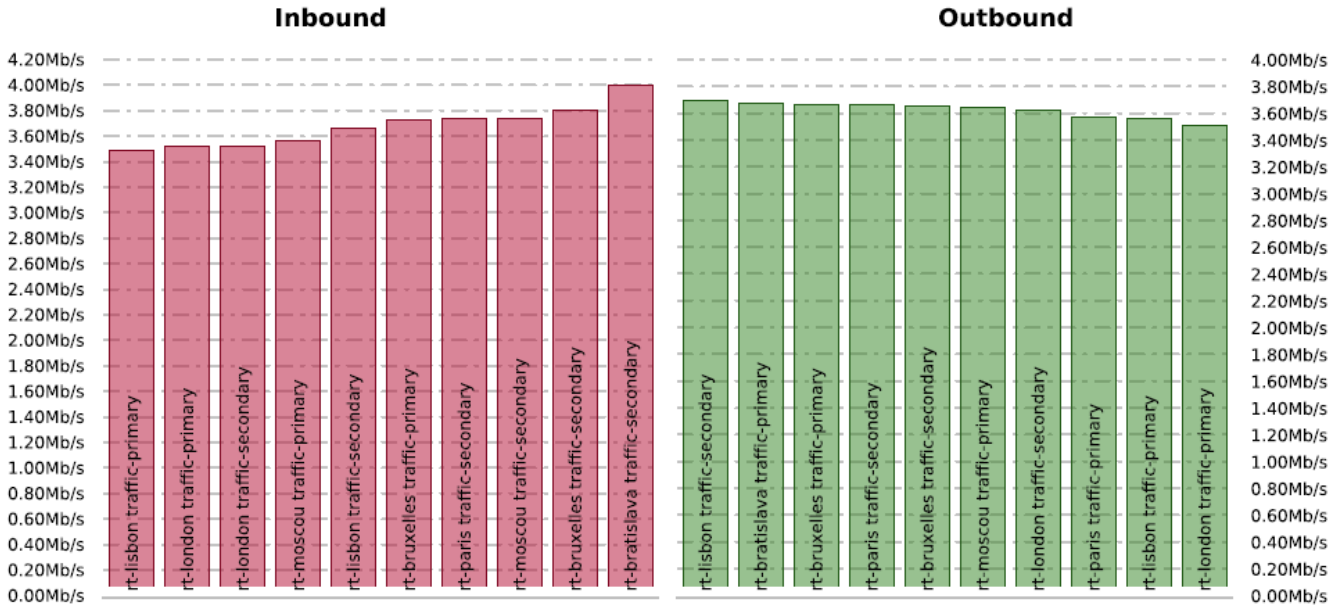
TRAFFIC REPORT
AVERAGE AND CENTILE
March 2016

centreon business intelligence

ROUTERS

All the centile values are calculated for the following combination: 92.5000 (24x7)

TOP 10 CENTILE BY INTERFACE



TOP 10 OF THE MOST USED INTERFACES - INBOUND

Interface	Avg.%	Avg.	Centile	Max.reached	Max.
rt-bratislava traffic-secondary	0.06%	619 Kb/s	4 Mb/s	7.32 Mb/s	1 Gb/s
rt-bruxelles traffic-secondary	0.06%	594 Kb/s	3.8 Mb/s	6.1 Mb/s	1 Gb/s
rt-bruxelles traffic-primary	0.06%	587 Kb/s	3.72 Mb/s	8.93 Mb/s	1 Gb/s
rt-moscou traffic-secondary	0.06%	581 Kb/s	3.74 Mb/s	8.65 Mb/s	1 Gb/s
rt-paris traffic-secondary	0.06%	576 Kb/s	3.73 Mb/s	7.81 Mb/s	1 Gb/s
rt-lisbon traffic-secondary	0.06%	575 Kb/s	3.66 Mb/s	7.56 Mb/s	1 Gb/s
rt-london traffic-secondary	0.06%	569 Kb/s	3.52 Mb/s	6.27 Mb/s	1 Gb/s
rt-moscou traffic-primary	0.06%	563 Kb/s	3.56 Mb/s	6.53 Mb/s	1 Gb/s
rt-london traffic-primary	0.06%	557 Kb/s	3.52 Mb/s	5.85 Mb/s	1 Gb/s
rt-bratislava traffic-primary	0.06%	552 Kb/s	3.46 Mb/s	6.7 Mb/s	1 Gb/s

TOP 10 OF THE MOST USED INTERFACES - OUTBOUND

Interface	Avg.%	Avg.	Centile	Max.reached	Max.
rt-bruxelles traffic-primary	0.06%	600 Kb/s	3.67 Mb/s	8.34 Mb/s	1 Gb/s
rt-paris traffic-secondary	0.06%	596 Kb/s	3.66 Mb/s	6.71 Mb/s	1 Gb/s
rt-lisbon traffic-secondary	0.06%	589 Kb/s	3.69 Mb/s	6.86 Mb/s	1 Gb/s
rt-moscou traffic-primary	0.06%	585 Kb/s	3.64 Mb/s	6.53 Mb/s	1 Gb/s
rt-london traffic-secondary	0.06%	577 Kb/s	3.63 Mb/s	6.45 Mb/s	1 Gb/s
rt-lisbon traffic-primary	0.06%	574 Kb/s	3.56 Mb/s	6.51 Mb/s	1 Gb/s
rt-bruxelles traffic-secondary	0.06%	569 Kb/s	3.65 Mb/s	8.03 Mb/s	1 Gb/s
rt-london traffic-primary	0.06%	566 Kb/s	3.5 Mb/s	7.03 Mb/s	1 Gb/s
rt-bratislava traffic-secondary	0.06%	565 Kb/s	3.45 Mb/s	6.45 Mb/s	1 Gb/s
rt-paris traffic-primary	0.06%	563 Kb/s	3.57 Mb/s	7.07 Mb/s	1 Gb/s

Inbound and outbound statistics for all interfaces

		Inbound				Outbound			
Interface	Max.	Avg.%	Avg.	Centile	Max.reached	Avg.%	Avg.	Centile	Max.reached
rt-bratislava traffic-primary	1 Gb/s	0.06%	552 Kb/s	3.46 Mb/s	6.7 Mb/s	0.06%	561 Kb/s	3.67 Mb/s	7.41 Mb/s
rt-bratislava traffic-secondary	1 Gb/s	0.06%	619 Kb/s	4 Mb/s	7.32 Mb/s	0.06%	565 Kb/s	3.45 Mb/s	6.45 Mb/s
rt-bruxelles traffic-primary	1 Gb/s	0.06%	587 Kb/s	3.72 Mb/s	8.93 Mb/s	0.06%	600 Kb/s	3.67 Mb/s	8.34 Mb/s
rt-bruxelles traffic-secondary	1 Gb/s	0.06%	594 Kb/s	3.8 Mb/s	6.1 Mb/s	0.06%	569 Kb/s	3.65 Mb/s	8.03 Mb/s
rt-lisbon traffic-primary	1 Gb/s	0.06%	550 Kb/s	3.49 Mb/s	6.58 Mb/s	0.06%	574 Kb/s	3.56 Mb/s	6.51 Mb/s
rt-lisbon traffic-secondary	1 Gb/s	0.06%	575 Kb/s	3.66 Mb/s	7.56 Mb/s	0.06%	589 Kb/s	3.69 Mb/s	6.86 Mb/s
rt-london traffic-primary	1 Gb/s	0.06%	557 Kb/s	3.52 Mb/s	5.85 Mb/s	0.06%	566 Kb/s	3.5 Mb/s	7.03 Mb/s
rt-london traffic-secondary	1 Gb/s	0.06%	569 Kb/s	3.52 Mb/s	6.27 Mb/s	0.06%	577 Kb/s	3.63 Mb/s	6.45 Mb/s
rt-moscou traffic-primary	1 Gb/s	0.06%	563 Kb/s	3.56 Mb/s	6.53 Mb/s	0.06%	585 Kb/s	3.64 Mb/s	6.53 Mb/s
rt-moscou traffic-secondary	1 Gb/s	0.06%	581 Kb/s	3.74 Mb/s	8.65 Mb/s	0.05%	527 Kb/s	3.32 Mb/s	6.41 Mb/s
rt-paris traffic-primary	1 Gb/s	0.05%	540 Kb/s	3.42 Mb/s	5.92 Mb/s	0.06%	563 Kb/s	3.57 Mb/s	7.07 Mb/s
rt-paris traffic-secondary	1 Gb/s	0.06%	576 Kb/s	3.73 Mb/s	7.81 Mb/s	0.06%	596 Kb/s	3.66 Mb/s	6.71 Mb/s

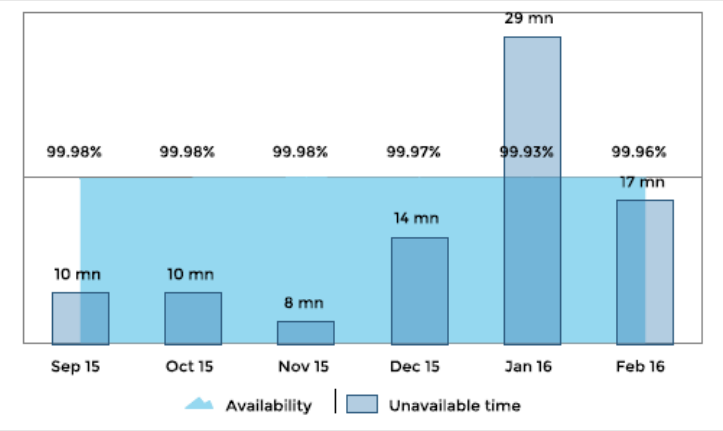
Profiling

Host-Detail-3 This report gives detailed statistics on availability, events, storage usage, memory, CPU and traffic for equipment. (Host).

Host **srv-DC-alger**

centreon business intelligence

Host availability evolution



Current month

% of availability

99.96%

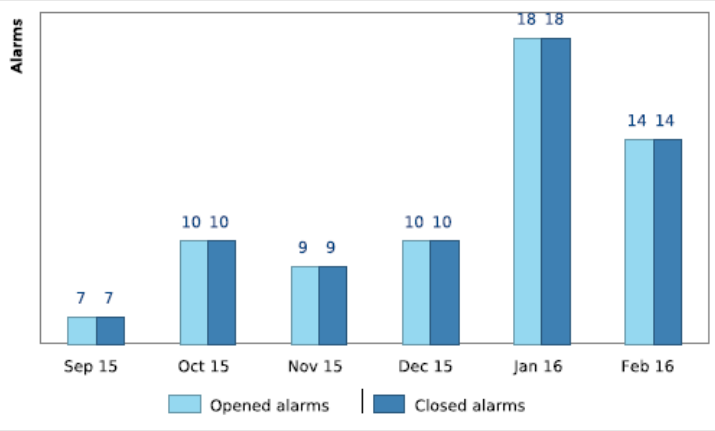
Unavailable time

17 mn

Unknown time

-

Host exception events evolution



49 h 41 mn is the average time between two events

1 mn is the average events resolution time

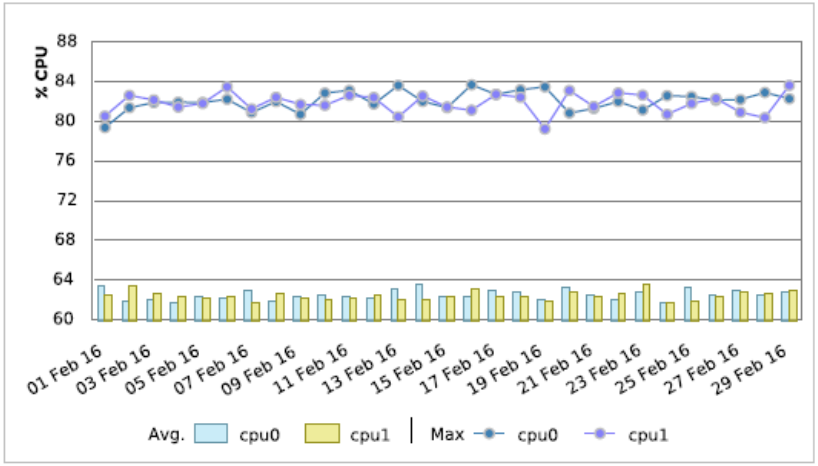
14 events have been opened

14 events have been closed

Host availability evolution detailed

	Sep 15		Oct 15		Nov 15		Dec 15		Jan 16		Feb 16	
	Value	Trend	Value	Trend	Value	Trend	Value	Trend	Value	Trend	Value	Trend
% of availability	99.98%	0.01%	99.98%	0.00%	99.98%	0.00%	99.97%	-0.01%	99.93%	-0.03%	99.96%	0.03%
Unavailable time	10 mn	-35.23%	10 mn	0.00%	8 mn	-20.80%	14 mn	77.78%	29 mn	103.41%	17 mn	-41.62%
Unknown time	-	-	-	-	-	-	-	-	-	-	-	-
MTRS	1 mn	-	1 mn	-	-	-	1 mn	-	1 mn	-	1 mn	-
MTBF	102 h 49 mn	0.521	74 h 22 mn	-0.277	79 h 59 mn	0.075	74 h 22 mn	-0.07	41 h 18 mn	-0.445	49 h 41 mn	0.203
Opened alarms	7	-4	10	3	9	-1	10	1	18	8	14	-4
Closed alarms	7	-4	10	3	9	-1	10	1	18	8	14	-4

CPU evolution within the reporting period



Current Month

Average CPU usage

62.48%

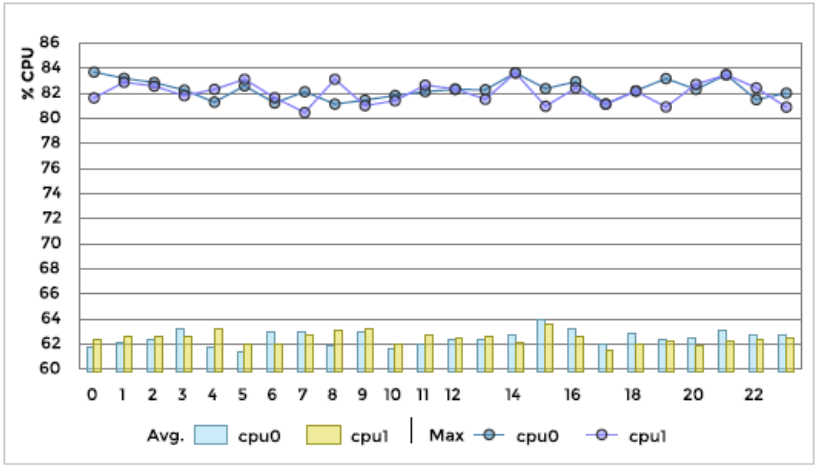
Value of deviation :

0.483

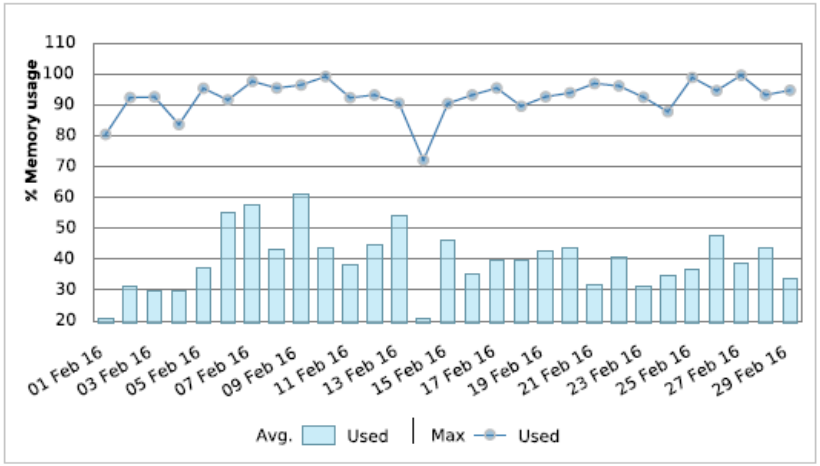
Max value reached by the CPU :

83.70%

CPU evolution by hour of the day



Memory evolution within the reporting period



Current Month

Average memory usage

39.81%

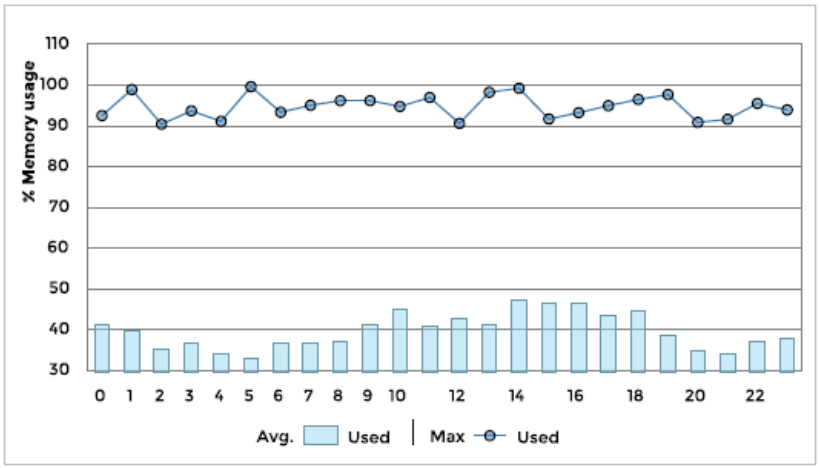
Value of deviation :

9.57

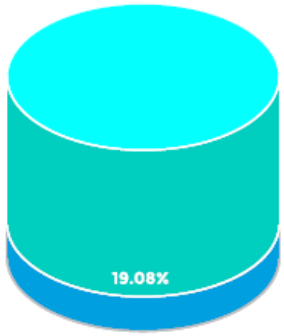
Max value reached by the memory :

99.64%

Memory evolution by hour of the day



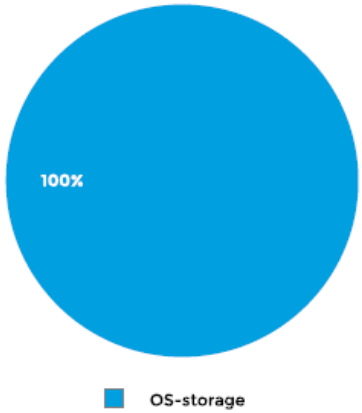
Global information



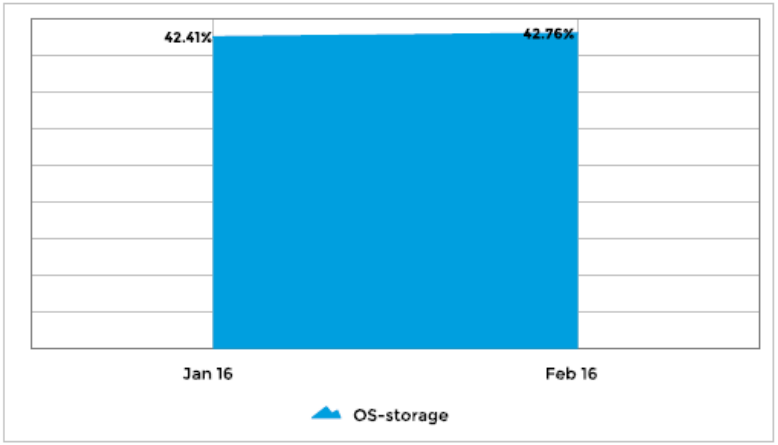
54 GB
of allocated space

10.3 GB
of used space

Allocated space/service cat.



Used space evolution by service category

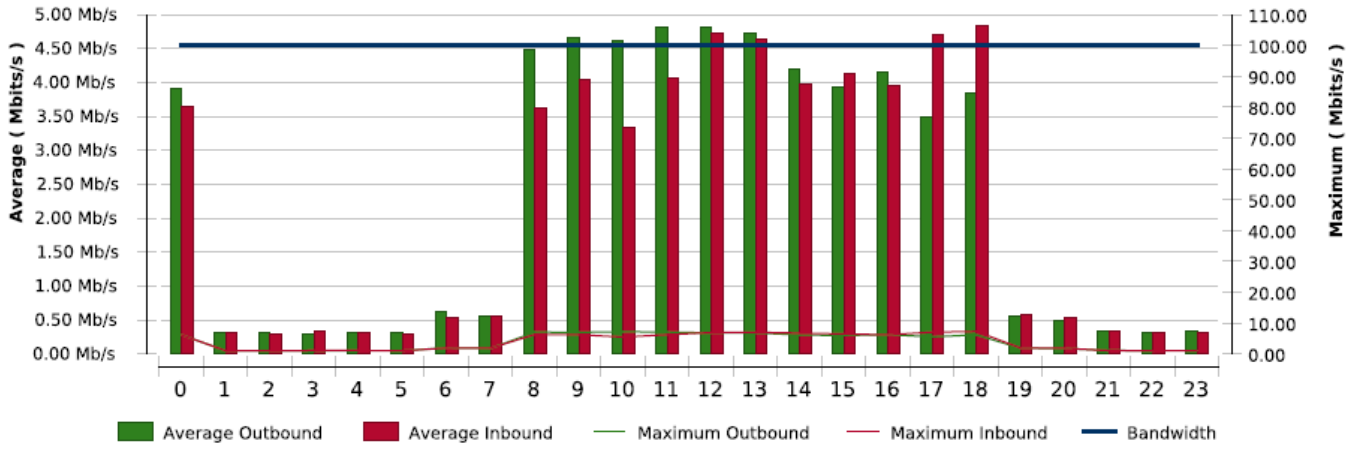


Storage capacity detailed

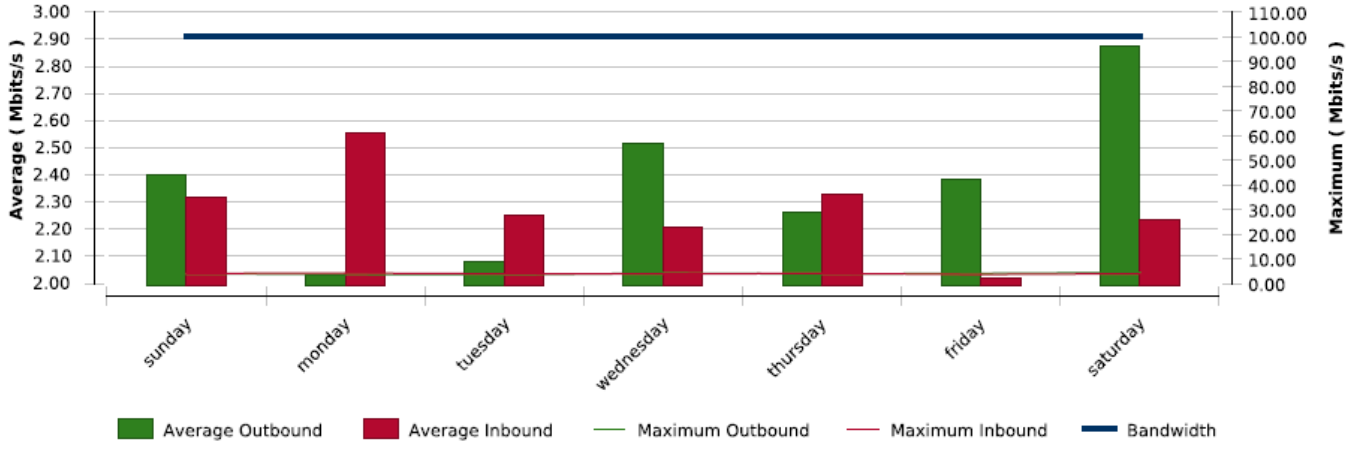
Storage space	Allocated		Used			
	Allocated	Evolution	Used	% used	Evolution	Time before saturation
disk-C 19.08%	54 GB	-	10.3 GB	19.08%	-	-

traffic-card0 of srv-DC-alger

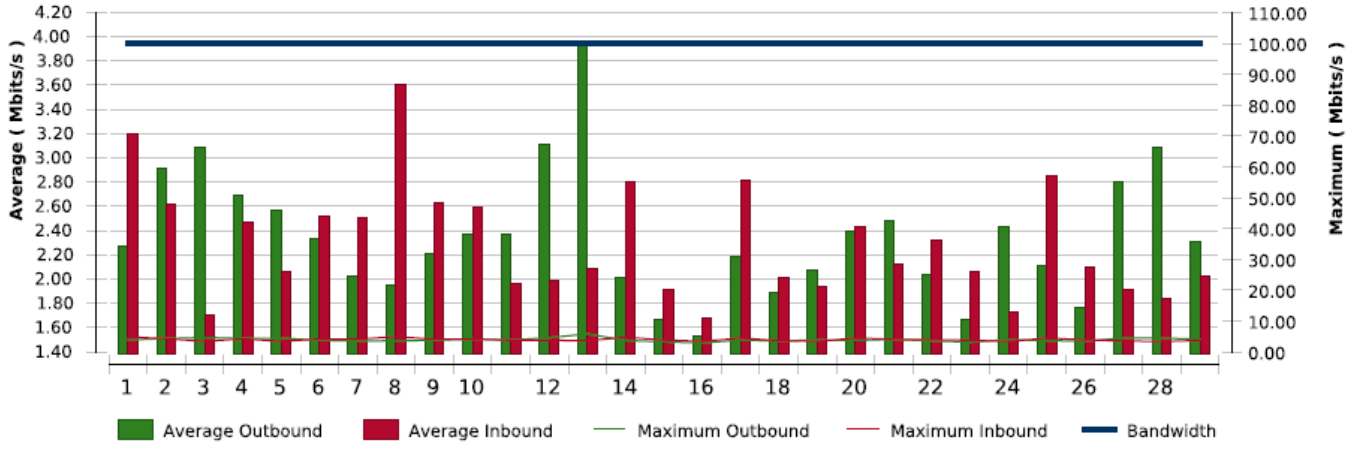
Distribution per hour on the interface



Distribution per day of week on the interface



Distribution per day of month on the interface



Host events

Date		Delay	
Start	End	Acknowledgement	Resolution
Down			Down
Feb 29, 2016, 4:43 PM	Feb 29, 2016, 4:43 PM	-	-
Feb 27, 2016, 3:48 PM	Feb 27, 2016, 3:49 PM	-	-
Feb 27, 2016, 10:27 AM	Feb 27, 2016, 10:29 AM	-	1 mn
Feb 21, 2016, 7:31 PM	Feb 21, 2016, 7:32 PM	-	-
Feb 21, 2016, 6:53 AM	Feb 21, 2016, 6:56 AM	-	2 mn
Feb 20, 2016, 10:19 PM	Feb 20, 2016, 10:21 PM	-	1 mn
Feb 20, 2016, 6:27 AM	Feb 20, 2016, 6:27 AM	-	-
Feb 15, 2016, 3:40 PM	Feb 15, 2016, 3:41 PM	-	1 mn
Feb 11, 2016, 12:48 AM	Feb 11, 2016, 12:48 AM	-	-
Feb 9, 2016, 9:28 PM	Feb 9, 2016, 9:31 PM	-	2 mn
Feb 9, 2016, 12:41 AM	Feb 9, 2016, 12:43 AM	-	2 mn
Feb 7, 2016, 7:30 PM	Feb 7, 2016, 7:31 PM	-	1 mn
Feb 6, 2016, 4:49 AM	Feb 6, 2016, 4:50 AM	-	-
Feb 2, 2016, 2:16 AM	Feb 2, 2016, 2:18 AM	-	2 mn

Events on services

Antivirus

	Date		Delay	
Services	Start	End	Acknowledgement	Effective MTRS
Critical				Critical
eventlog-Antivirus	Feb 10, 2016, 12:01 PM	Feb 10, 2016, 12:11 PM	-	10 mn
eventlog-Antivirus	Feb 1, 2016, 2:47 PM	Feb 1, 2016, 2:52 PM	-	5 mn
eventlog-Antivirus	Feb 2, 2016, 3:22 PM	Feb 2, 2016, 3:27 PM	-	5 mn
eventlog-Antivirus	Feb 3, 2016, 2:02 AM	Feb 3, 2016, 2:07 AM	-	5 mn
eventlog-Antivirus	Feb 4, 2016, 12:22 AM	Feb 4, 2016, 12:27 AM	-	5 mn
eventlog-Antivirus	Feb 4, 2016, 1:02 AM	Feb 4, 2016, 1:07 AM	-	5 mn
eventlog-Antivirus	Feb 4, 2016, 2:37 AM	Feb 4, 2016, 2:42 AM	-	5 mn
eventlog-Antivirus	Feb 4, 2016, 7:32 AM	Feb 4, 2016, 7:37 AM	-	5 mn
eventlog-Antivirus	Feb 4, 2016, 4:02 PM	Feb 4, 2016, 4:07 PM	-	5 mn
eventlog-Antivirus	Feb 4, 2016, 8:12 PM	Feb 4, 2016, 8:17 PM	-	5 mn
eventlog-Antivirus	Feb 4, 2016, 11:02 PM	Feb 4, 2016, 11:07 PM	-	5 mn
eventlog-Antivirus	Feb 6, 2016, 2:51 AM	Feb 6, 2016, 2:56 AM	-	5 mn
eventlog-Antivirus	Feb 6, 2016, 3:36 AM	Feb 6, 2016, 3:41 AM	-	5 mn
eventlog-Antivirus	Feb 6, 2016, 4:01 AM	Feb 6, 2016, 4:06 AM	-	5 mn
eventlog-Antivirus	Feb 6, 2016, 4:21 AM	Feb 6, 2016, 4:26 AM	-	5 mn
eventlog-Antivirus	Feb 6, 2016, 8:16 AM	Feb 6, 2016, 8:21 AM	-	5 mn
eventlog-Antivirus	Feb 7, 2016, 12:11 PM	Feb 7, 2016, 12:16 PM	-	5 mn
eventlog-Antivirus	Feb 7, 2016, 9:06 PM	Feb 7, 2016, 9:11 PM	-	5 mn
eventlog-Antivirus	Feb 7, 2016, 9:21 PM	Feb 7, 2016, 9:26 PM	-	5 mn
eventlog-Antivirus	Feb 7, 2016, 10:01 PM	Feb 7, 2016, 10:06 PM	-	5 mn
eventlog-Antivirus	Feb 8, 2016, 11:51 AM	Feb 8, 2016, 11:56 AM	-	5 mn
eventlog-Antivirus	Feb 8, 2016, 5:21 PM	Feb 8, 2016, 5:26 PM	-	5 mn
eventlog-Antivirus	Feb 8, 2016, 9:21 PM	Feb 8, 2016, 9:26 PM	-	5 mn
eventlog-Antivirus	Feb 9, 2016, 1:16 AM	Feb 9, 2016, 1:21 AM	-	5 mn
eventlog-Antivirus	Feb 9, 2016, 3:46 PM	Feb 9, 2016, 3:51 PM	-	5 mn
eventlog-Antivirus	Feb 10, 2016, 2:31 AM	Feb 10, 2016, 2:36 AM	-	5 mn
eventlog-Antivirus	Feb 10, 2016, 4:36 AM	Feb 10, 2016, 4:41 AM	-	5 mn
eventlog-Antivirus	Feb 10, 2016, 10:21 AM	Feb 10, 2016, 10:26 AM	-	5 mn
eventlog-Antivirus	Feb 11, 2016, 1:31 PM	Feb 11, 2016, 1:36 PM	-	5 mn
eventlog-Antivirus	Feb 11, 2016, 9:56 PM	Feb 11, 2016, 10:01 PM	-	5 mn
eventlog-Antivirus	Feb 11, 2016, 10:51 PM	Feb 11, 2016, 10:56 PM	-	5 mn
eventlog-Antivirus	Feb 12, 2016, 3:11 AM	Feb 12, 2016, 3:16 AM	-	5 mn
eventlog-Antivirus	Feb 12, 2016, 3:56 AM	Feb 12, 2016, 4:01 AM	-	5 mn
eventlog-Antivirus	Feb 12, 2016, 5:01 AM	Feb 12, 2016, 5:06 AM	-	5 mn
eventlog-Antivirus	Feb 12, 2016, 5:26 PM	Feb 12, 2016, 5:31 PM	-	5 mn
eventlog-Antivirus	Feb 12, 2016, 8:21 PM	Feb 12, 2016, 8:26 PM	-	5 mn
eventlog-Antivirus	Feb 12, 2016, 8:56 PM	Feb 12, 2016, 9:01 PM	-	5 mn
eventlog-Antivirus	Feb 13, 2016, 11:36 AM	Feb 13, 2016, 11:41 AM	-	5 mn

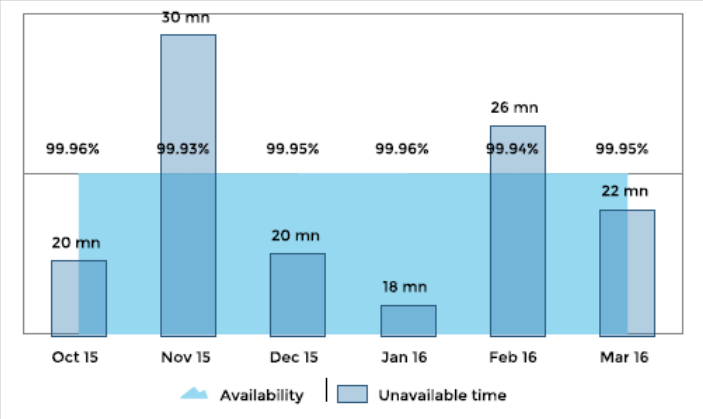
Hostgroups-Host-Details-1 The report gives detailed statistics on availability, events, storage usage, memory, CPU for all equipments of a hostgroup given in entrance.

Group **MSSQL-Servers**

centreon business intelligence

srv-mssql-02

Host availability evolution



Current month

% of availability

99.95%

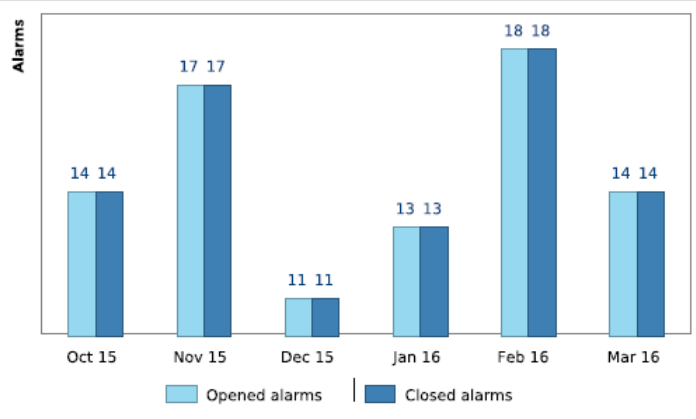
Unavailable time

22 mn

Unknown time

-

Host exception events evolution



53 h 6 mn is the average time between two events

1 mn is the average events resolution time

14 events have been opened

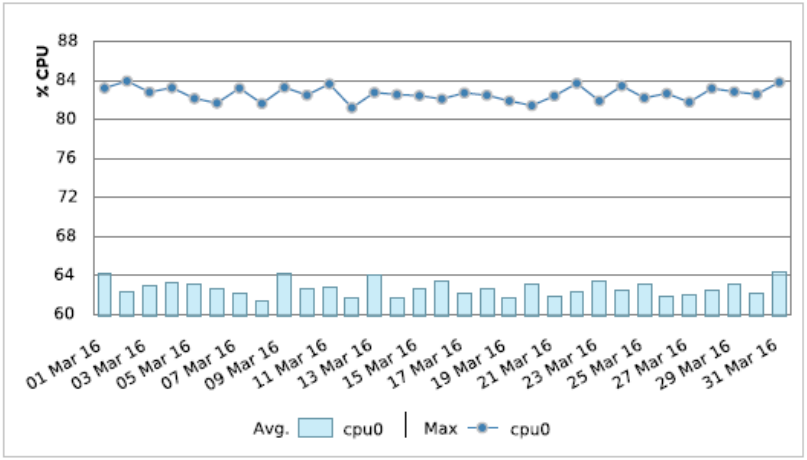
14 events have been closed

Host availability evolution detailed

	Oct 15		Nov 15		Dec 15		Jan 16		Feb 16		Mar 16	
	Value	Trend	Value	Trend	Value	Trend	Value	Trend	Value	Trend	Value	Trend
% of availability	99.96%	0.02%	99.93%	-0.03%	99.95%	0.03%	99.96%	0.01%	99.94%	-0.02%	99.95%	0.01%
Unavailable time	20 mn	-27.06%	30 mn	52.70%	20 mn	-33.42%	18 mn	-11.76%	26 mn	46.62%	22 mn	-14.83%
Unknown time	-	0.00%	-	0.00%	-	0.00%	-	0.00%	-	0.00%	-	0.00%
MTRS	1 mn	-	1 mn	-	1 mn	-	1 mn	-	1 mn	-	1 mn	-
MTBF	53 h 7 mn	-	42 h 19 mn	-	67 h 36 mn	-	57 h 12 mn	-	38 h 38 mn	-	53 h 6 mn	-
Opened alarms	14	-5	17	3	11	-6	13	2	18	5	14	-4
Closed alarms	14	-5	17	3	11	-6	13	2	18	5	14	-4

srv-mssql-02

CPU evolution within the reporting period



Current Month

Average CPU usage

62.73%

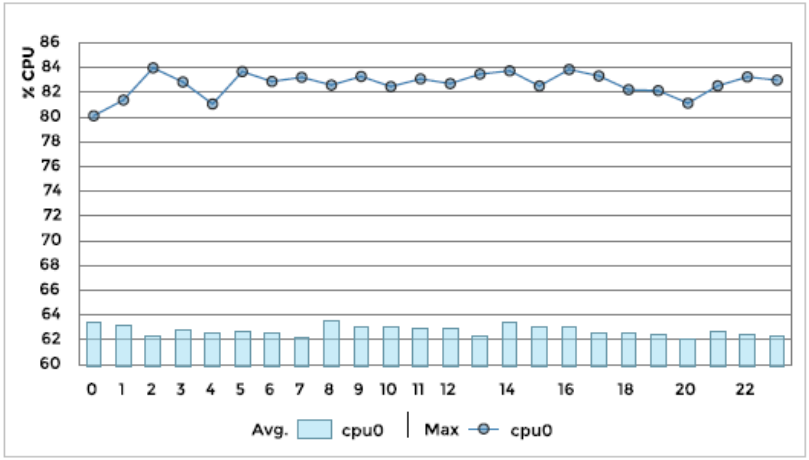
Value of deviation :

0.791

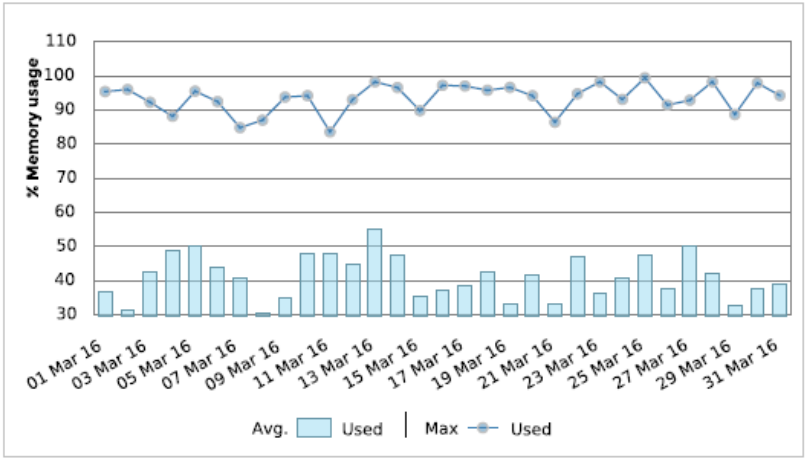
Max value reached by the CPU :

83.97%

CPU evolution by hour of the day



Memory evolution within the reporting period



Current Month

Average memory usage

41.14%

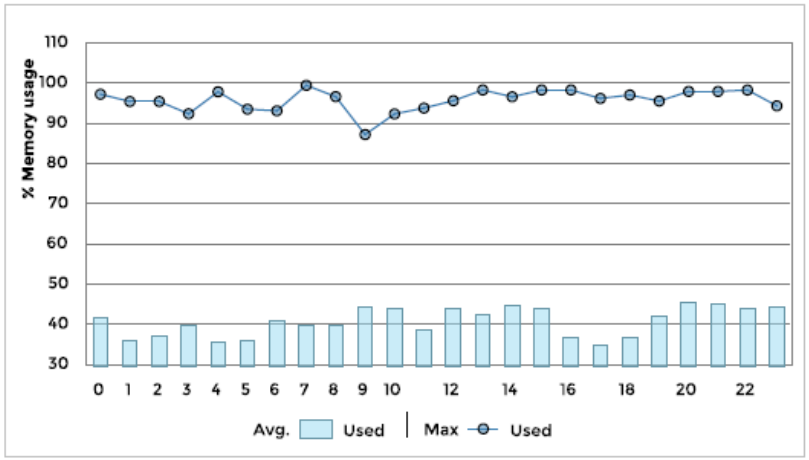
Value of deviation :

6.32

Max value reached by the memory :

99.44%

Memory evolution by hour of the day



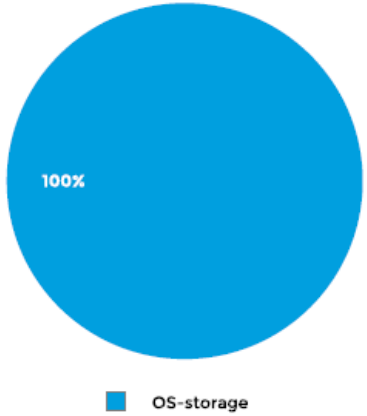
srv-mssql-02

Global information

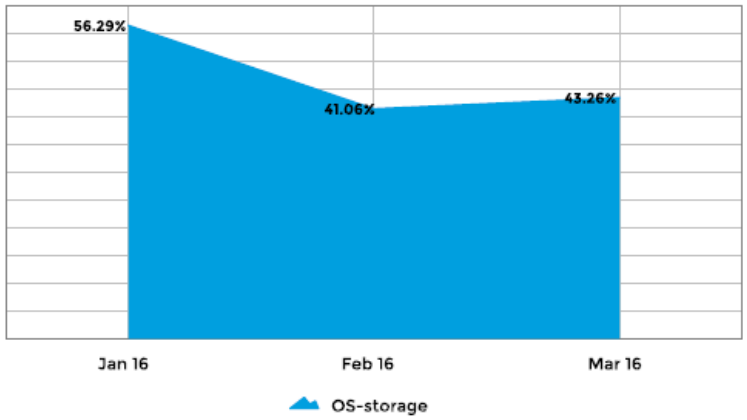
22 GB
of allocated space

4.44 GB
of used space

Allocated space/service cat.



Used space evolution by service category

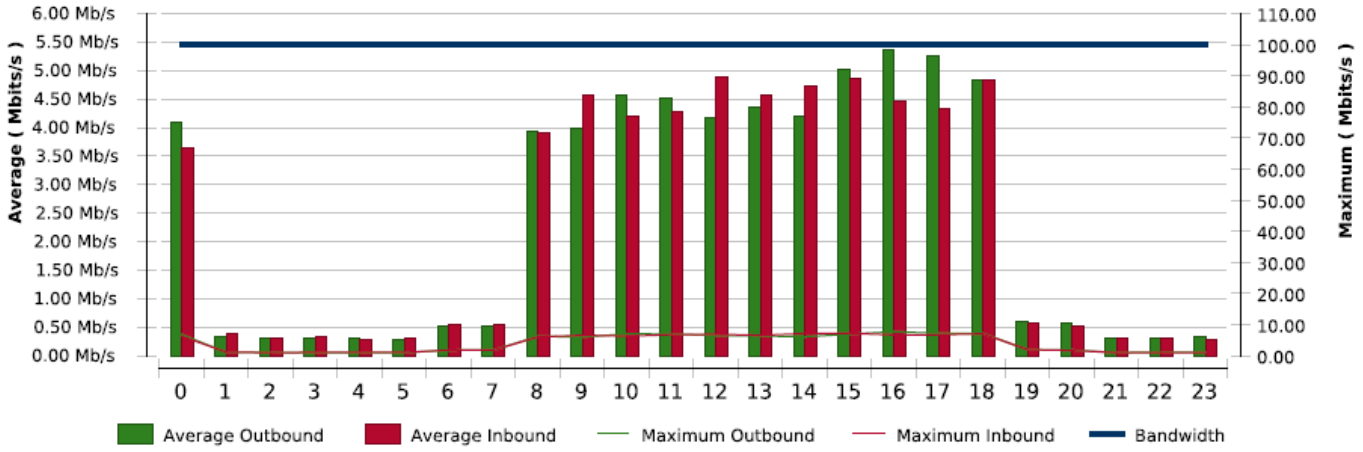


Storage capacity detailed

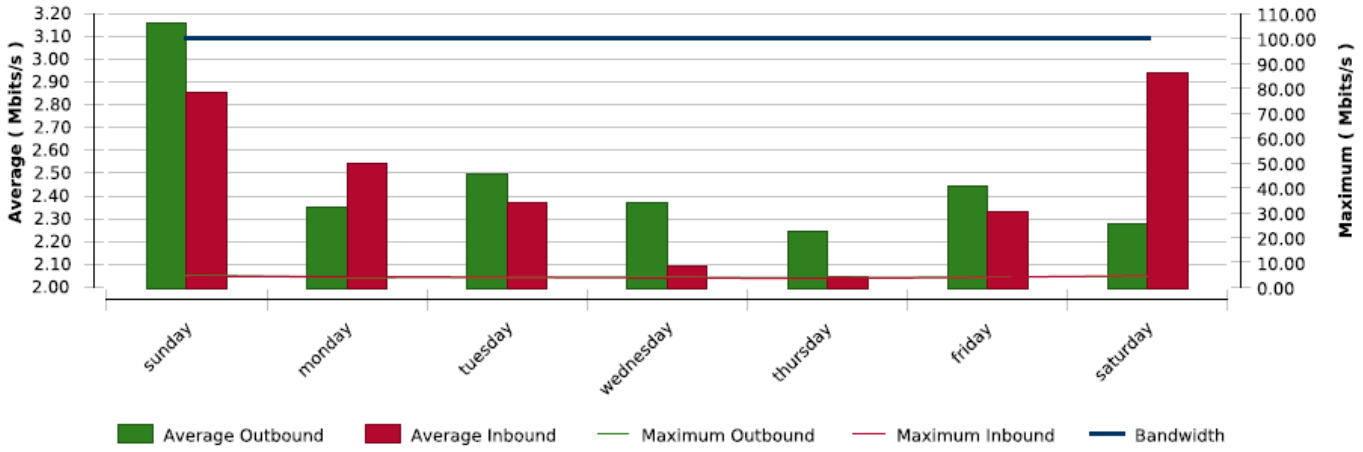
Storage space		Allocated		Used			
		Allocated	Evolution	Used	% used	Evolution	Time before saturation
disk-C	20.20%	22 GB	0.00%	4.44 GB	20.20%	-0.6%(-6.6 GB)	-

traffic-card0 of srv-mssql-02

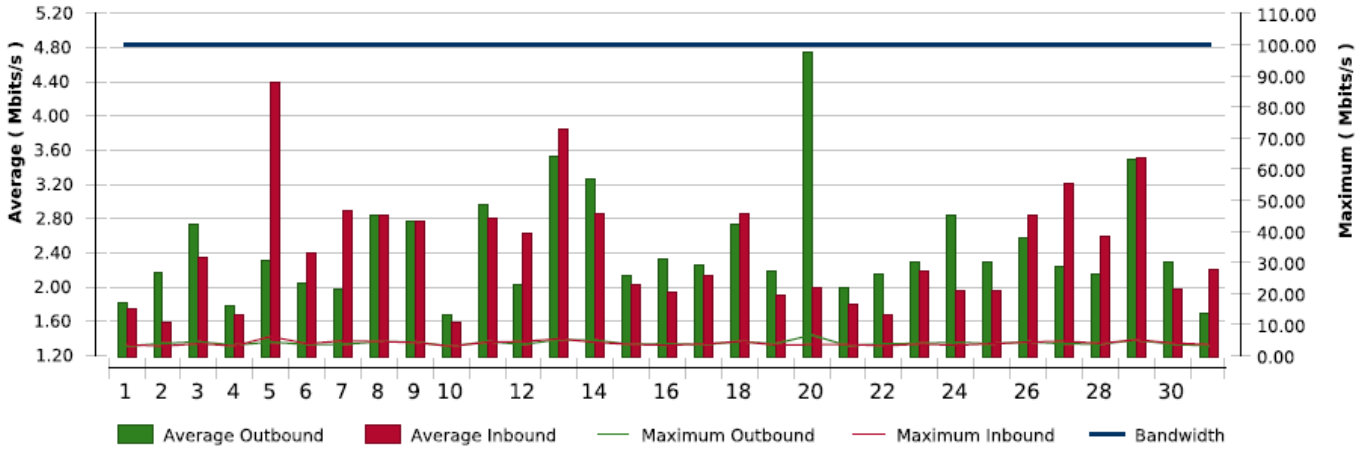
Distribution per hour on the interface



Distribution per day of week on the interface



Distribution per day of month on the interface



Consumption

Hostgroup-Electricity-Consumption-1 This report displays statistics of the electricity consumption of your equipments plugged into a UPS.

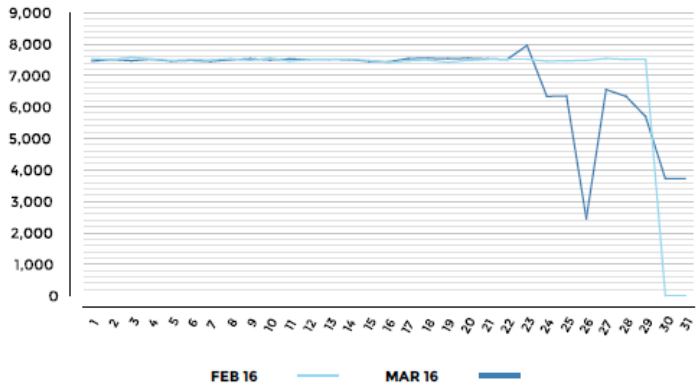
CONSUMPTION REPORT
ONDULEUR

centreon business intelligence

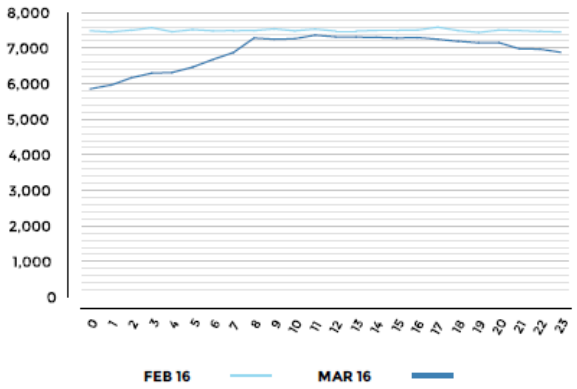
ELECTRICITY CONSUMPTION - MARCH 2016

0.158 $ the KWh	Cost	Consumption	Average power	Maximal power
MAR 2016	**812.05 $**	**5.14 MWh**	**6.91 KW**	**14.8 KW**
FEB 2016	824.67 $	5.22 MWh	7.5 KW	10 KW
Evolution	-12.63 $	-79.9 KWh	-591 W	+4.78 KW

DAILY AVERAGE (W)



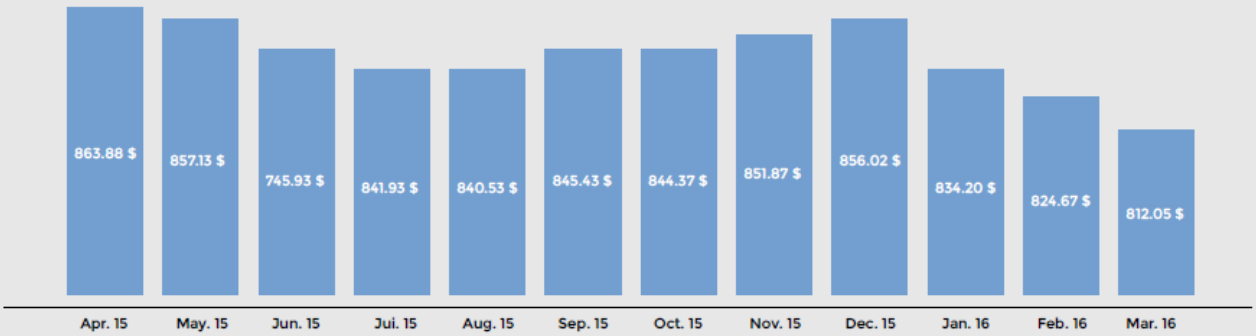
HOURLY AVERAGE (W)



THE MOST ELECTRICITY-CONSUMING UPS

UPS	Average consumption	Cost	Representing
UPS_1	1.03 MWh	162.79 $	20.05%
UPS_5	1.03 MWh	162.54 $	20.02%
UPS_4	1.03 MWh	162.38 $	20.00%
UPS_2	1.03 MWh	162.28 $	19.98%
UPS_3	1.03 MWh	162.05 $	19.96%

MONTHLY COST YOY



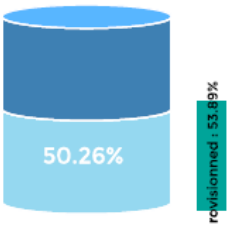
Virtualization

VMware-Cluster-Performances-1 This report displays datastores usage information on an ESX cluster and make a focus on the most used ESX (CPU, Memory and virtual machines) .

DATASTORES USAGE

16 datastores are available on the cluster

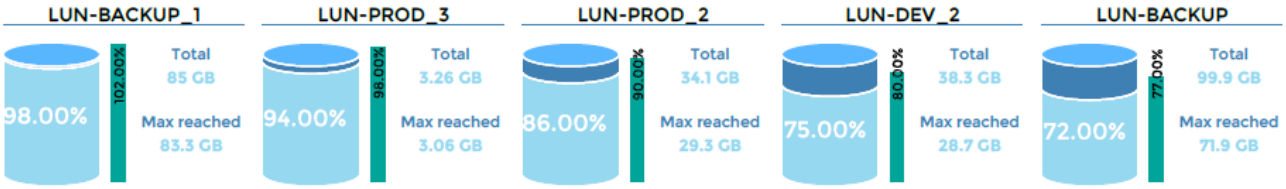
Global usage



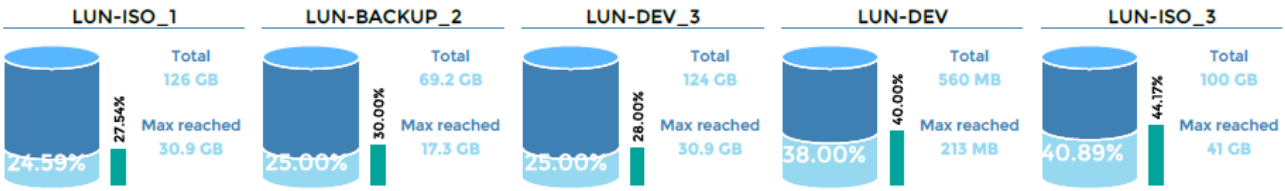
- 650 GB is the average usage of your datastores — -3.07%
- 650 GB is the last usage value of your datastores — -3.07%
- 1.26 TB allocated on your infrastructure — 0.00%

TOP DATASTORES USAGE

The 5 most used



The 5 least used



IOPS ON DATASTORES

Read (I/O per second)

TOP		BOTTOM	
LUN-ISO	213.74	BACKUP	191.32
LUN-DEV_1	208.82	BACKUP_2	193.75
LUN-PROD_2	208.05	LUN-ISO_3	194.15
LUN-PROD_3	205.72	LUN-PROD	194.56
LUN-DEV_2	203.04	LUN-DEV	196.23

Write (I/O per second)

TOP		BOTTOM	
BACKUP_1	210.19	LUN-PROD_3	191.20
BACKUP_2	206.60	BACKUP_3	191.54
LUN-DEV	206.15	LUN-ISO_3	194.95
LUN-PROD_2	204.65	LUN-DEV_1	196.29
BACKUP	203.67	LUN-DEV_2	196.77

CLUSTER
ESX-Servers
4/20/16 - 4/22/16

centreon business intelligence

CPU USAGE STATISTICS

62.72% is the average CPU usage on the cluster's ESXs ⬆ 0.29 %

The 5 most used

ESX-SYDNEY-01		ESX-ALGER-01		ESX-NEWYORK-01		ESX-HONGKONG-01		ESX-BERLIN-01	
Average	Max reached	Average	Max reached	Average	Max reached	Average	Max reached	Average	Max reached
62.84 %	79.72 %	62.82 %	77.23 %	62.71 %	83.75 %	62.67 %	81.59 %	62.56 %	80.54 %

The 5 least used

ESX-BERLIN-01		ESX-HONGKONG-01		ESX-NEWYORK-01		ESX-ALGER-01		ESX-SYDNEY-01	
Average	Max reached	Average	Max reached	Average	Max reached	Average	Max reached	Average	Max reached
62.56 %	80.54 %	62.67 %	81.59 %	62.71 %	83.75 %	62.82 %	77.23 %	62.84 %	79.72 %

MEMORY STATISTICS

Global usage

33.7 GB is the average usage memory ⬆ 0.01%

90.60%

37.3 GB is allocated memory ➡ 0.00%

The 5 most used

ESX-HONGKONG-01			ESX-BERLIN-01			ESX-SYDNEY-01			ESX-ALGER-01			ESX-NEWYORK-01		
Usage	Total	Max	Usage	Total	Max	Usage	Total	Max	Usage	Total	Max	Usage	Total	Max
90.73%	7.45 GB	6.98 GB	90.62%	7.45 GB	6.98 GB	90.58%	7.45 GB	6.98 GB	90.52%	7.45 GB	6.98 GB	90.52%	7.45 GB	6.98 GB

The 5 least used

ESX-NEWYORK-01			ESX-ALGER-01			ESX-SYDNEY-01			ESX-BERLIN-01			ESX-HONGKONG-01		
Usage	Total	Max	Usage	Total	Max	Usage	Total	Max	Usage	Total	Max	Usage	Total	Max
90.52%	7.45 GB	6.98 GB	90.52%	7.45 GB	6.98 GB	90.58%	7.45 GB	6.98 GB	90.62%	7.45 GB	6.98 GB	90.73%	7.45 GB	6.98 GB

VMs HOSTING

Average powered on and powered off virtual machines on the cluster

223 virtual machine(s) powered on

122 virtual machine(s) powered off

Average powered on and powered off virtual machines by ESX

Powered On

TOP		BOTTOM	
ESX-SYDNEY-01	45	ESX-HONGKONG-01	44
ESX-ALGER-01	45	ESX-BERLIN-01	44
ESX-NEWYORK-01	45	ESX-NEWYORK-01	45
ESX-BERLIN-01	44	ESX-ALGER-01	45
ESX-HONGKONG-01	44	ESX-SYDNEY-01	45

Powered Off

TOP		BOTTOM	
ESX-HONGKONG-01	25	ESX-SYDNEY-01	24
ESX-BERLIN-01	25	ESX-ALGER-01	24
ESX-NEWYORK-01	24	ESX-NEWYORK-01	24
ESX-ALGER-01	24	ESX-BERLIN-01	25
ESX-SYDNEY-01	24	ESX-HONGKONG-01	25

Configuration & monitoring

Poller-Performances This report displays information about configuration and performances of Centreon Engine on a poller

Performances and configuration of Centreon Engine on Dec 14, 2016, 10:55 AM

Poller	IP address	Version	State	Last start
Central	127.0.0.1	1.6.2	Running	13 Dec 2016 10:02 GMT+01:00

Hosts

Status: 6 | 0 | 0 | 6

Services

Status: 51 | 3 | 4 | 4 | 58

Hosts performances

	Min	Avg	Max
Execution time (s)	0.000	0.097	0.167
Latency (s)	0.000	0.226	0.447

Services performances

	Min	Avg	Max
Execution time (s)	0.026	0.277	5.794
Latency (s)	0.030	0.310	0.970

The longest execution time

No host exceed 2 second(s) of execution time

The longest execution time

Host	Service	Execution time (s)
srvi-poller-gso	Disk-io-sda2	5.794 s

The worst latency

No host exceed 2 second(s) of latency

The worst latency

No service exceed 2 second(s) of latency

Current configuration and tips for optimization

Current load average	CPUs number	Max concurrent checks	Host check timeout	Service check timeout
3.85 | 3.97 | 3.76	2	200	10	60

An efficient poller is a poller which have a little or no latency. The indicators that have a direct impact on the latency of a poller are: the execution time of hosts and services checks, the maximum number of concurrent check the hardware configuration of the poller.

In case of latency, gradually increase the maximum number of concurrent check. The load average of the poller will increase without being overloaded. In case of overload, latency increases instead of decrease.

If many hosts and services end up on a timeout, the poller will make latency. To optimize performances, you have to lower the timeout values and gradually increase the max check concurrent, while checking that the server is not overloaded.

If with all these tips the server remains overloaded, it may be that it is not enough efficient to take the load. You must therefore increase server performance.

The parameters below may also affect the performance of the poller. In case of incorrect configuration, the recommended value is proposed.

Option	Value	State	Comment
Sleep time	1		The number of seconds that centengine will sleep before checking to see if the next controls in the scheduling queue should be executed. This option should be always less or equal to 1 sec
Service interleave factor	s		This variable determines how service checks are interleaved. Interleaving allows for a more even distribution of service checks, reduced load on remote hosts..should be set to 's' (smart)
Use large installation tweaks	Default		This option determines whether or not the centengine daemon will take several shortcuts to improve performance. It should be set to 'yes'
State Retention Option	Yes		This setting determines how often (in minutes) that centengine will automatically save retention data during normal operation. Need to be define is case of centengine crash.

Themes

Below the default 7 color themes provided by Centreon MBI 3.1:


Orange


Ice


Blue


Multicolor-1


Maroon


Multicolor-2


Green

Example of the preview of one page: