CENTREON MBI samples reports

English version

Table of content

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

Africa Office Availa...	Europe Office Availa...	Oceania Office Avail...	Asia Office Availabi...	North America Office...
99.39%	99.58%	99.64%	99.71%	99.75%

South America Office...
99.91%

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

FOCUS ON UNAVAILABILITY TIME AND EXCEPTION EVENTS

1. Africa Office Availability	4 h 5 min	12 exceptions
2. Europe Office Availability	2 h 50 min	14 exceptions
3. Oceania Office Availability	2 h 25 min	8 exceptions
4. Asia Office Availability	1 h 55 min	10 exceptions
5. North America Office Availability	1 h 40 min	8 exceptions
6. South America Office Availability	35 min	3 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.

Europe Office Availability	47 h 47 min
Africa Office Availability	55 h 39 min
Asia Office Availability	67 h
Oceania Office Availability	83 h 41 min
North America Office Availability	83 h 47 min
South America Office Availability	223 h 48 min

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.

Africa Office Availability	20 min 25 sec
Oceania Office Availability	18 min 8 sec
North America Office Availability	12 min 30 sec
Europe Office Availability	12 min 9 sec
South America Office Availability	11 min 40 sec
Asia Office Availability	11 min 30 sec

AVAILABILITY

AFRICA OFFICE AVAILA..

Feb, 01 19 - Mar, 01 19 24x7

centreon

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

99.39%
AVAILABILITY
-0.16

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

4 h 5 min
UNAVAILABLE TIME
45 min

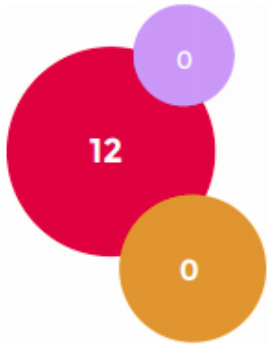
DOWNTIME
Corresponds to the maintenance time programmed on the application. This time is not taken into statistics calculation.

-
DOWNTIME
-

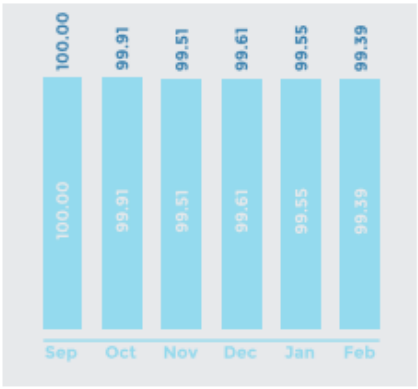
THE PERFORMANCE
Corresponds to the time when the application was available but not degraded.

99.39%
performance
-0.16

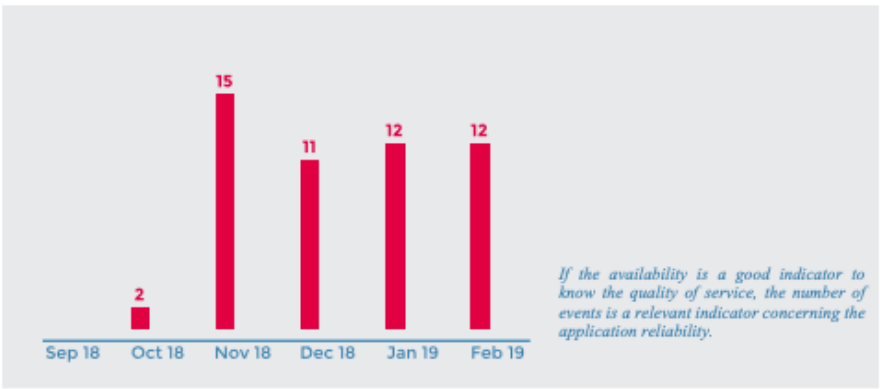
Events on your application



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	2	3
4	5 98%	6	7	8	9	10 98%
11 97%	12	13	14	15	16 98%	17
18	19	20	21 97%	22 98%	23 99%	24
25 97%	26	27	28 96%			

[0, 100 [= 100 No data

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 EXCEPTION EVENTS BY APPLICATION BY MONTH

% < Critical SLA SLA Crit. < % < SLA Warn.	2018												2019	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Africa Office Availability	99.42% | 12	99.76% | 6	99.84% | 8	99.87% | 7	99.64% | 12	99.50% | 15	99.57% | 13	99.75% | 5		99.90% | 2	99.51% | 15	99.60% | 11	99.55% | 12	99.39% | 12
Asia Office Availability	99.55% | 9	99.60% | 10	99.66% | 9	99.36% | 17	99.46% | 15	99.79% | 6	99.63% | 12	99.73% | 7		99.95% | 1	99.52% | 13	99.83% | 10	99.65% | 14	99.71% | 10
Europe Office Availability	99.69% | 9	99.47% | 12	99.64% | 11	99.60% | 10	99.52% | 14	99.56% | 12	99.45% | 13	99.77% | 9		99.94% | 1	99.53% | 12	99.74% | 7	99.82% | 8	99.57% | 14
North America Office Availability	99.66% | 8	99.76% | 9	99.83% | 7	99.74% | 9	99.74% | 9	99.76% | 5	99.48% | 11	99.91% | 3		99.86% | 6	99.51% | 17	99.76% | 8	99.50% | 18	99.75% | 8
Oceania Office Availability	99.56% | 11	99.44% | 16	99.63% | 15	99.52% | 12	99.51% | 16	99.36% | 13	99.61% | 12	99.92% | 2		99.94% | 2	99.64% | 6	99.57% | 12	99.65% | 11	99.64% | 8
South America Office Availability	99.74% | 8	99.54% | 10	99.62% | 12	99.46% | 18	99.49% | 15	99.44% | 18	99.84% | 4	99.94% | 2		99.90% | 4	99.44% | 17	99.68% | 8	99.54% | 12	99.91% | 3

UNAVAILABLE TIME BY BUSINESS ACTIVITY BY MONTH

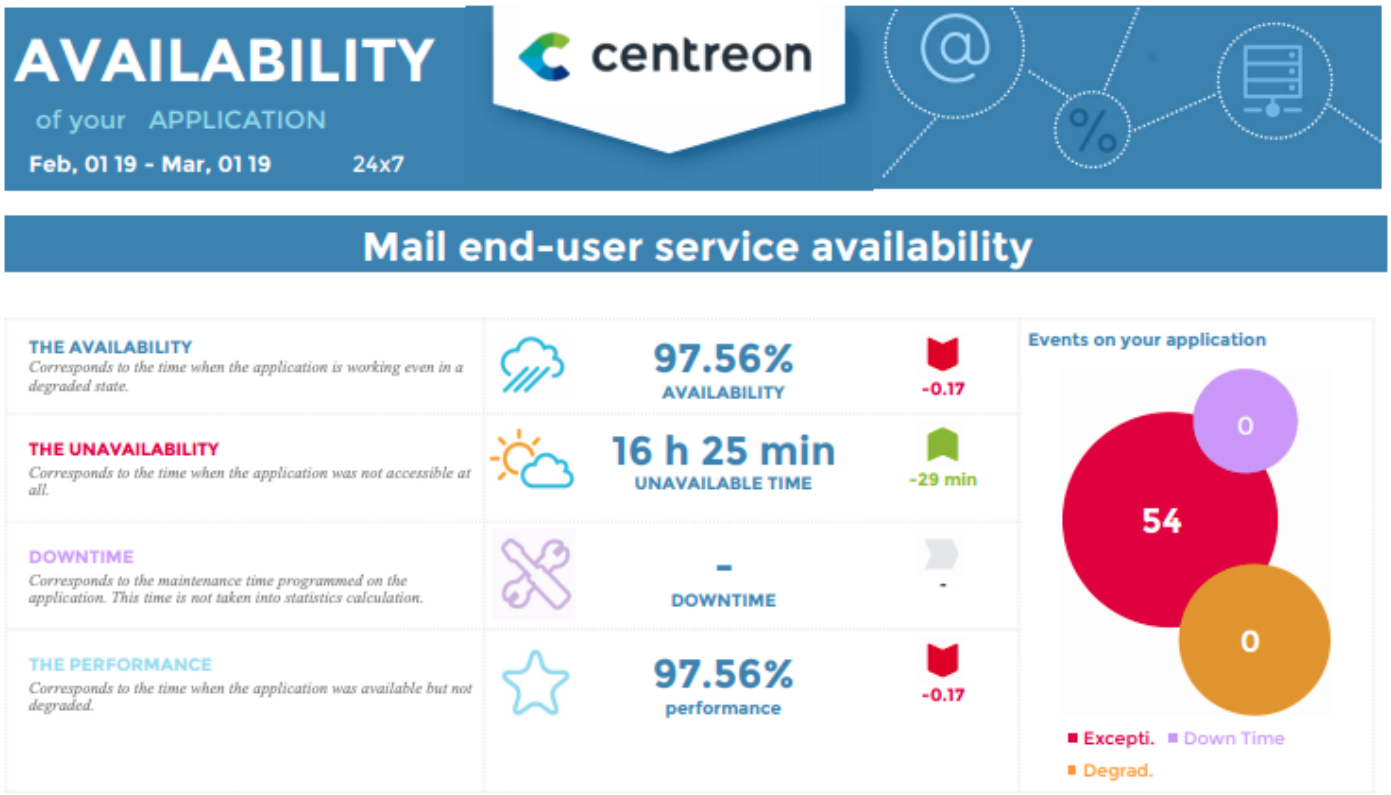
Time < Critical SLA SLA Warn. < Time < SLA Crti.	2018												2019	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Africa Office Availability	4 h 15 min	1 h 35 min	1 h 5 min	55 min	2 h 40 min	3 h 35 min	3 h 10 min	1 h 50 min		45 min	3 h 30 min	2 h 55 min	3 h 20 min	4 h 5 min
Asia Office Availability	3 h 20 min	2 h 40 min	2 h 31 min	4 h 35 min	4 h	1 h 30 min	2 h 45 min	2 h		25 min	3 h 25 min	1 h 15 min	2 h 35 min	1 h 55 min
Europe Office Availability	2 h 15 min	3 h 30 min	2 h 40 min	2 h 50 min	3 h 30 min	3 h 10 min	4 h 5 min	1 h 40 min		25 min	3 h 20 min	1 h 55 min	1 h 20 min	2 h 50 min
North America Office Availability	2 h 30 min	1 h 35 min	1 h 15 min	1 h 51 min	1 h 55 min	1 h 40 min	3 h 50 min	40 min		1 h 5 min	3 h 30 min	1 h 45 min	3 h 40 min	1 h 40 min
Oceania Office Availability	3 h 15 min	3 h 45 min	2 h 40 min	3 h 25 min	3 h 35 min	4 h 35 min	2 h 50 min	35 min		25 min	2 h 35 min	3 h 10 min	2 h 35 min	2 h 25 min
South America Office Availability	1 h 55 min	3 h 5 min	2 h 45 min	3 h 50 min	3 h 45 min	4 h	1 h 10 min	25 min		50 min	4 h	2 h 20 min	3 h 25 min	35 min

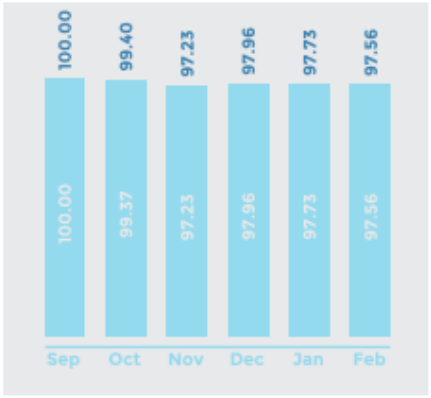
AVAILABILITY BY APPLICATION BY DAY

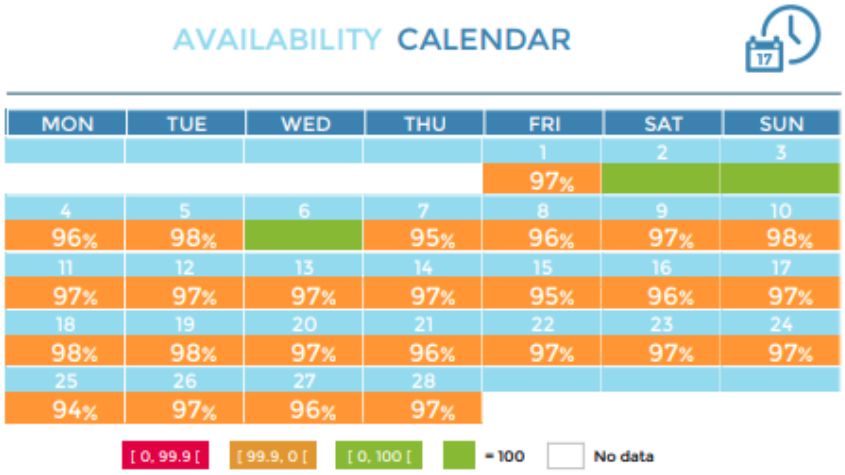
Unavailable time | = 0 |] 0 , 10 min [| [10 min ,30 min [| [30 min , 60 min [| [60 min , 2 h [| [2 h , 24h [

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

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







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

AVAILABILITY, UNAVAILABILITY AND EVENTS

		Availability		Unavailability				Degraded			
	Application	Avail.	Evol.	Unav.	Evol.	Events	Evol.	Degrad.	Evol.	Events	Evol.
	Africa Office Availability 24x7	99.39%	-0.16 %	4 h 5 min	+ 45 min	12	0	-	-	0	0
	Asia Office Availability 24x7	99.71%	0.06 %	1 h 55 min	- 40 min	10	-4	-	-	0	0
	Europe Office Availability 24x7	99.58%	-0.24 %	2 h 50 min	+ 1 h 30 min	14	+ 6	-	-	0	0
	North America Office Availability 24x7	99.75%	0.24 %	1 h 40 min	- 2 h	8	-10	-	-	0	0
	Oceania Office Availability 24x7	99.64%	-0.01 %	2 h 25 min	- 10 min	8	-3	-	-	0	0
	South America Office Availability 24x7	99.91%	0.37 %	35 min	- 2 h 50 min	3	-9	-	-	0	0

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

Mail end-user service events

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	1/2/19 06:07:05	End	1/2/19 06:22:05	Duration	15 min
Scenario-mail-idf scenarii-mail-interne2inter		1/2/19 06:07:05		1/2/19 06:22:05		15 min
Exception #2	Start	1/2/19 14:24:05	End	1/2/19 14:39:05	Duration	15 min
Scenario-mail-idf scenarii-mail-interne2inter		1/2/19 14:24:05		1/2/19 14:39:05		15 min
Exception #3	Start	4/2/19 00:58:05	End	4/2/19 01:21:37	Duration	23 min 32 sec
Scenario-mail-idf scenarii-mail-interne2inter		4/2/19 00:58:05		4/2/19 01:13:05		15 min
Scenario-mail-idf scenarii-mail-interne2exter		4/2/19 01:06:37		4/2/19 01:21:37		15 min
Exception #4	Start	4/2/19 14:24:12	End	4/2/19 14:39:37	Duration	15 min 25 sec
Scenario-mail-idf scenarii-mail-externe2inter		4/2/19 14:24:12		4/2/19 14:39:12		15 min
Scenario-mail-idf scenarii-mail-interne2exter		4/2/19 14:24:37		4/2/19 14:39:37		15 min
Exception #5	Start	4/2/19 15:11:12	End	4/2/19 15:26:37	Duration	15 min 25 sec
Scenario-mail-idf scenarii-mail-externe2inter		4/2/19 15:11:12		4/2/19 15:26:12		15 min
Scenario-mail-idf scenarii-mail-interne2exter		4/2/19 15:11:37		4/2/19 15:26:37		15 min
Exception #6	Start	5/2/19 14:58:37	End	5/2/19 15:13:37	Duration	15 min
Scenario-mail-idf scenarii-mail-interne2exter		5/2/19 14:58:37		5/2/19 15:13:37		15 min
Exception #7	Start	7/2/19 06:32:37	End	7/2/19 06:50:05	Duration	17 min 28 sec
Scenario-mail-idf scenarii-mail-interne2exter		7/2/19 06:32:37		7/2/19 06:47:37		15 min
Scenario-mail-idf scenarii-mail-interne2inter		7/2/19 06:35:05		7/2/19 06:50:05		15 min

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.

Offices

Real time						Last 30 days *	
Current level	Business Activity	Last change	Duration	Acknowledgment	Downtime	Availability	Exceptions
100	Africa Office Availability	Mar 3, 2019, 4:19 AM	129 h 25 min	-	-	99.46%	12
100	Asia Office Availability	Mar 4, 2019, 11:42 PM	86 h 2 min	-	-	99.65%	12
100	Europe Office Availability	Mar 7, 2019, 11:56 PM	13 h 48 min	-	-	99.61%	13
100	North America Office Availability	Mar 7, 2019, 5:31 AM	32 h 13 min	-	-	99.71%	9
100	Oceania Office Availability	Mar 3, 2019, 11:09 AM	122 h 35 min	-	-	99.62%	9
100	South America Office Availability	Mar 8, 2019, 12:28 AM	13 h 16 min	-	-	99.79%	8

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.

AVERAGE ACKNOWLEDGMENT

-

EVENTS ACKNOWLEDGMENT CRITICAL

0 % (0/272)

ACKNOWLEDGED WITHIN 30 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.

AVERAGE RESOLUTION

18 min

EVENTS RESOLUTION CRITICAL

99.29% (1126/1134)

SOLVED WITHIN 60 MIN

TOP 10 OF LONGEST EVENTS

Host	Service	Start	End	Resolution
srv-mysql-01	disk-/	Feb 5, 2019, 7:36 PM	Feb 5, 2019, 9:21 PM	1 h 45 min
srv-mysql-01	disk-/	Feb 5, 2019, 7:36 PM	Feb 5, 2019, 9:21 PM	1 h 45 min
srv-mssql-02	disk-C	Feb 21, 2019, 12:36 AM	Feb 21, 2019, 1:56 AM	1 h 20 min
srv-mysql-01	disk-/home	Feb 5, 2019, 5:22 PM	Feb 5, 2019, 6:37 PM	1 h 15 min
srv-mysql-01	disk-/home	Feb 5, 2019, 5:22 PM	Feb 5, 2019, 6:37 PM	1 h 15 min
srv-mysql-01	disk-/	Feb 21, 2019, 6:48 PM	Feb 21, 2019, 7:53 PM	1 h 5 min
srv-mysql-01	disk-/	Feb 21, 2019, 6:48 PM	Feb 21, 2019, 7:53 PM	1 h 5 min
srv-oracle-users	disk-/	Feb 8, 2019, 5:01 PM	Feb 8, 2019, 6:06 PM	1 h 5 min
srv-oracle-accounting	disk-/	Feb 18, 2019, 7:44 AM	Feb 18, 2019, 8:44 AM	60 min
srv-oracle-accounting	disk-/	Feb 18, 2019, 7:44 AM	Feb 18, 2019, 8:44 AM	60 min

TOP 10 OF THE LEAST RELIABLE INDICATORS

Host	Service	MTBF
srv-mssql-01	eventlog-Antivirus	8 h 6 min
srv-mssql-02	eventlog-Antivirus	9 h 7 min
srv-mssql-01	memory	16 h 4 min
srv-oracle-crm	memory	16 h 5 min
srv-oracle-crm	memory-stats	16 h 5 min
srv-mysql-01	memory	17 h 22 min
srv-mysql-01	memory-stats	17 h 22 min
srv-oracle-users	memory	20 h 3 min
srv-oracle-users	memory-stats	20 h 3 min
srv-mysql-02	memory	24 h 33 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 detected.

TOP 10 OF EQUIPMENTS GENERATING THE MOST EVENTS

Host	Warning event	Critical event
srv-mysql-01	392	280
srv-oracle-accounting	412	216
srv-mssql-01	100	146
srv-oracle-crm	207	131
srv-oracle-users	196	129
srv-mssql-02	84	118
srv-mysql-02	186	114

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

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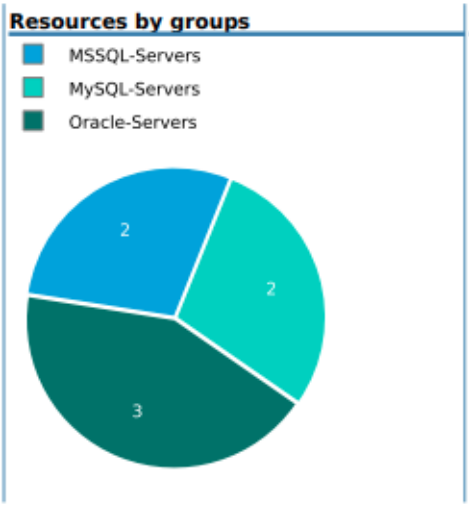
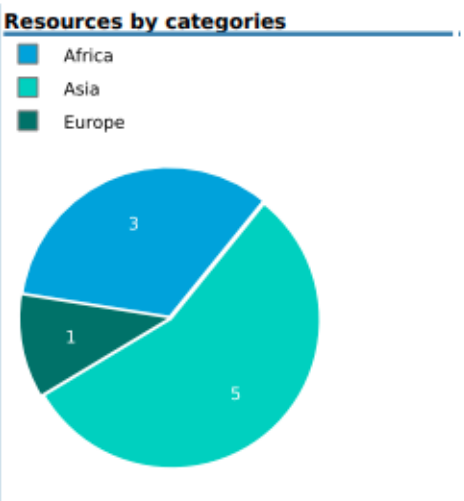
Incidents management reports

Time period : 24x7

Resources by groups

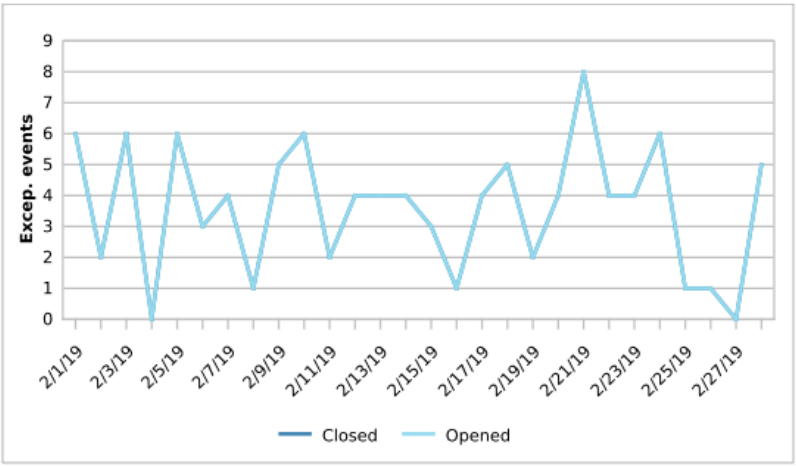


Resources by categories

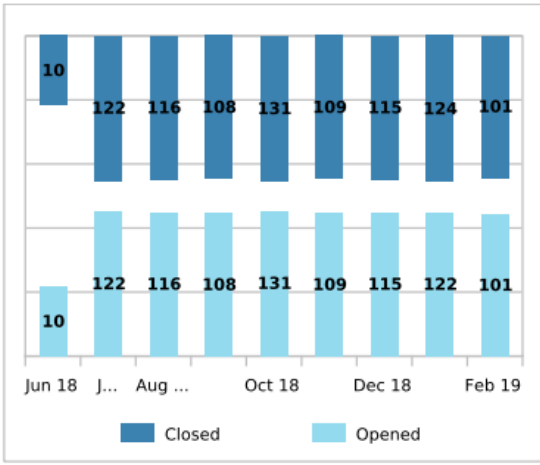


01 February 2019
01 March 2019

Current month exception events evolution



Exception events evolution by month



52.48% of these events concern **Oracle-Servers**

24.75% of these events concern **MySQL-Servers**

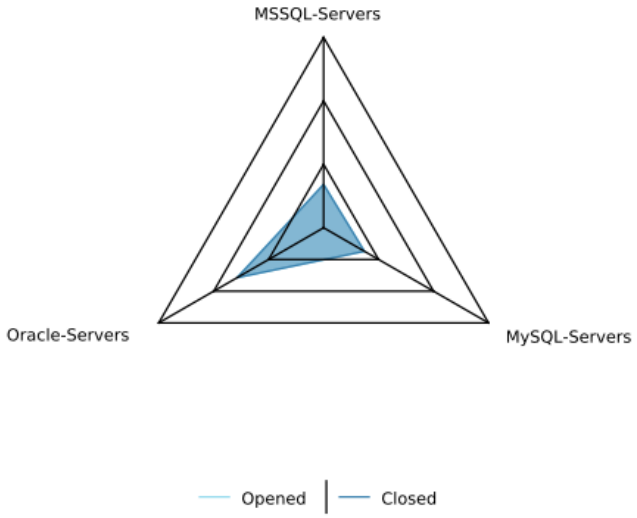
22.77% of these events concern **MSSQL-Servers**

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, ...).

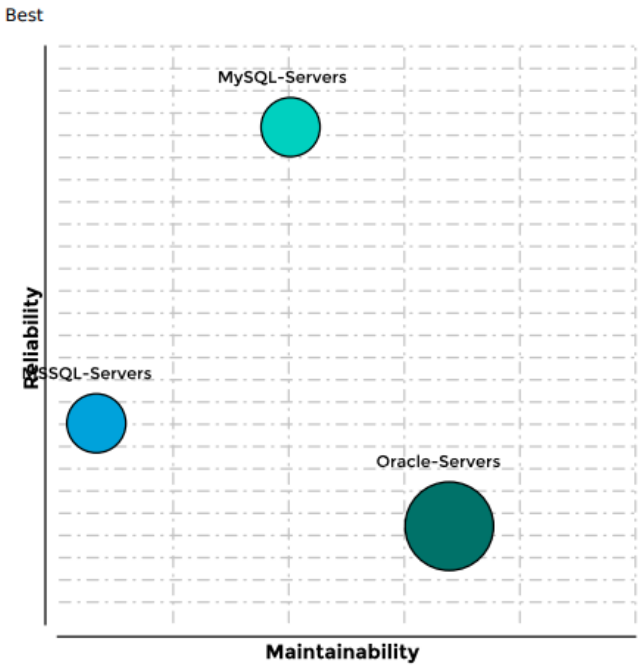
An opened exception event in a specific month or day can be resolved (closed) later on another day or month.

Exception events distribution by hostgroups



Detail of exception events by group

	Opened	Closed
Oracle-Servers	53	53
MySQL-Servers	25	25
MSSQL-Servers	23	23



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, bad index on a group of 2 hosts has not necessarily the same criticality on a group of 50 hosts.

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.

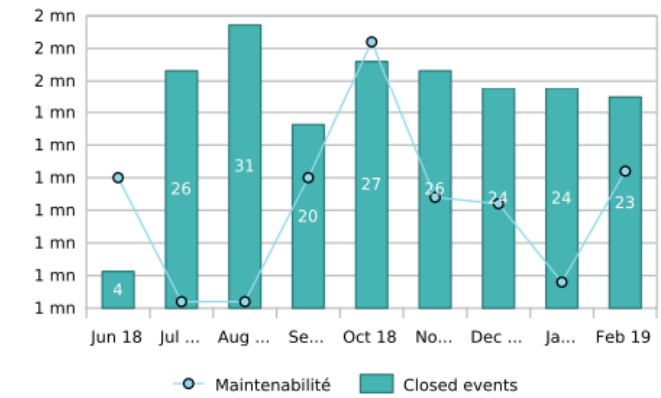
Host group size

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

Detailed statistics on host maintainability, reliability and exception events

		Exception events				
Host Groups	Number of hosts	MTRS	MTBF	MTBSI	Opened	Closed
MSSQL-Servers	2	1 mn	58 h 24 mn	58 h 26 mn	23	23
MySQL-Servers	2	1 mn	80 h 36 mn	80 h 38 mn	25	25
Oracle-Servers	3	1 mn	50 h 41 mn	50 h 43 mn	53	53

Mean time to repair by month



MSSQL-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 detected.

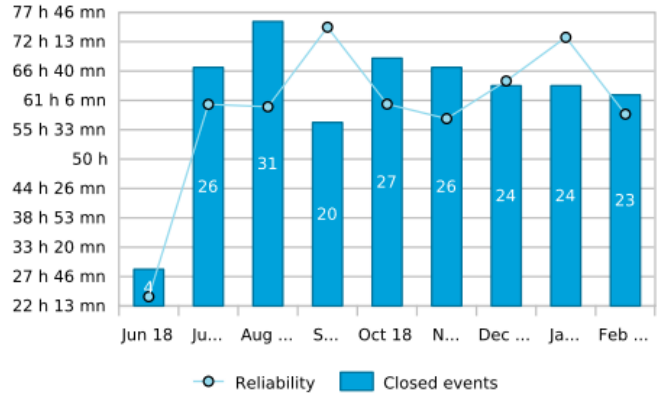
MTBF calculation method

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 detected.

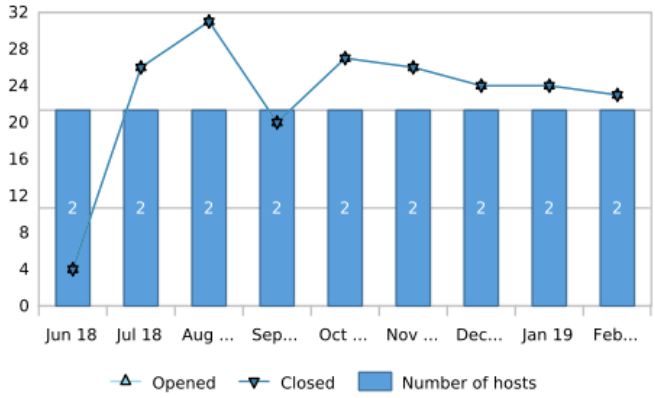
MTBSI calculation method

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

Mean time between failure by month



Opened/Closed exception events evolution by month



Less maintainable hosts

Hosts	MTRS
srv-mssql-02	2 mn
srv-mssql-01	1 mn

The maintainability index: is the average time to repair services. This indicator measures the service recovery time. For better maintainability, the MTRS should be as small as possible.

Less reliable hosts

Hosts	MTBF
srv-mssql-01	55 h 58 mn
srv-mssql-02	61 h 3 mn

The reliability index: is the average time between failures. This indicator measures the recurrence of failures. For best reliability, the MTBF should be as great as possible.

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

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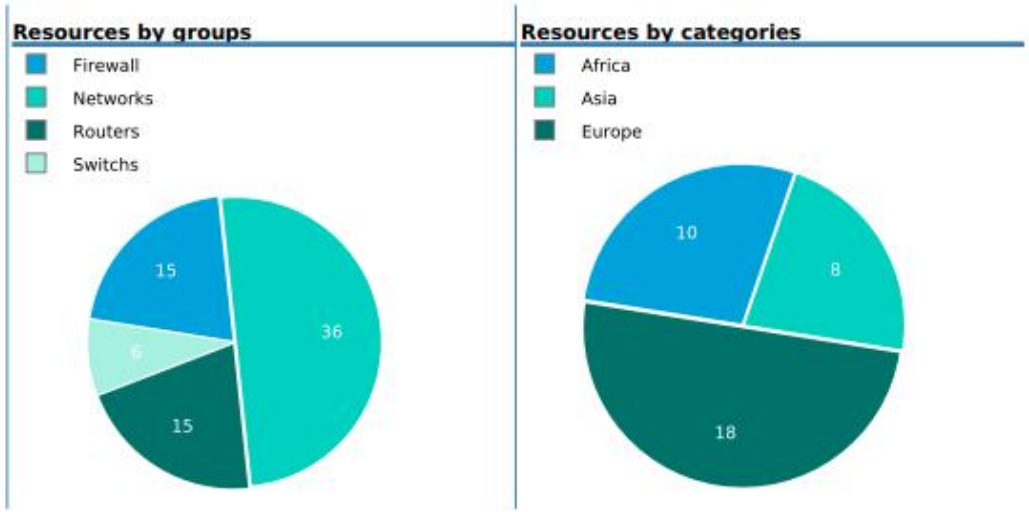
Availability of your resources and their services

01 February 19
01 March 19



Time period : 24x7

Flops

Host excep. ev. :**Networks-Europe**

Host unavailability :**Firewall-Africa**

Serv. excep. ev. :**Networks-Europe**

Serv. unavailability :**Switchs-Asia**

Number of resources

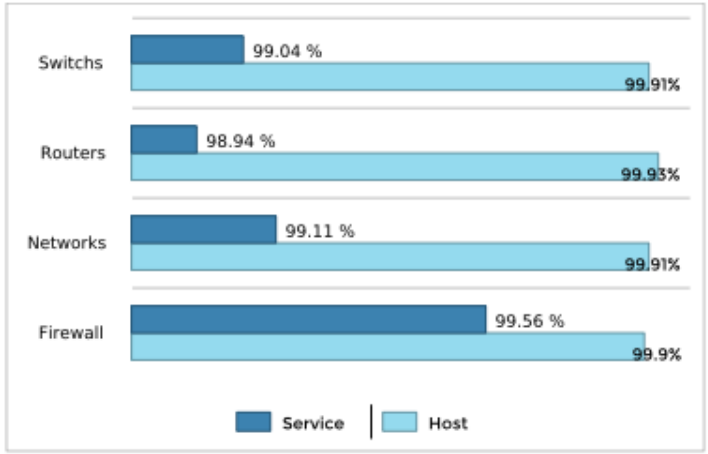
Host unavailability/ exception events

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).

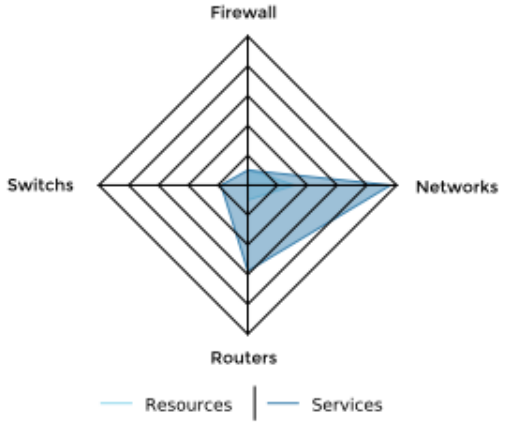
Service unavailability/Exception events

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 hostgroups



Detailed statistics by for hostgroups

Group	Number of hosts	Host			Service		
		Availability	Trend	Excep. ev.	Availability	Trend	Excep. ev.
Firewall	15	99.90%	-	184	99.56%	-	177
Africa	4	99.88%	-	53	99.56%	-	52
Asia	3	99.92%	-	35	99.48%	-	41
Europe	8	99.90%	-	96	99.63%	-	84
Networks	36	99.91%	-	423	99.11%	-	1174
Africa	10	99.90%	-	128	99.07%	-	348
Asia	8	99.92%	-	85	99.07%	-	274
Europe	18	99.91%	-	210	99.18%	-	552
Routers	15	99.93%	-	176	98.94%	-	729
Africa	4	99.92%	-	52	98.84%	-	208
Asia	3	99.94%	-	34	99.03%	-	129
Europe	8	99.93%	-	90	98.94%	-	392
Switchs	6	99.91%	-	63	99.04%	-	268
Africa	2	99.90%	-	23	99.06%	-	88
Asia	2	99.92%	-	16	98.83%	-	104
Europe	2	99.91%	-	24	99.23%	-	76
Global Statistics	**72**	**99.91%**	**-**	**846**	**99.16%**	**-**	**2348**

Firewall

Host unavailability

53% of unavailability have been detected on : **Europe**

Host exception events

52% of exception events have been detected on: **Europe**

Month	Unavailability	Excep. ev
Dec 18	10 h 31 mn	203
Jan 19	10 h 21 mn	186
Feb 19	10 h 22 mn	184

Service unavailability

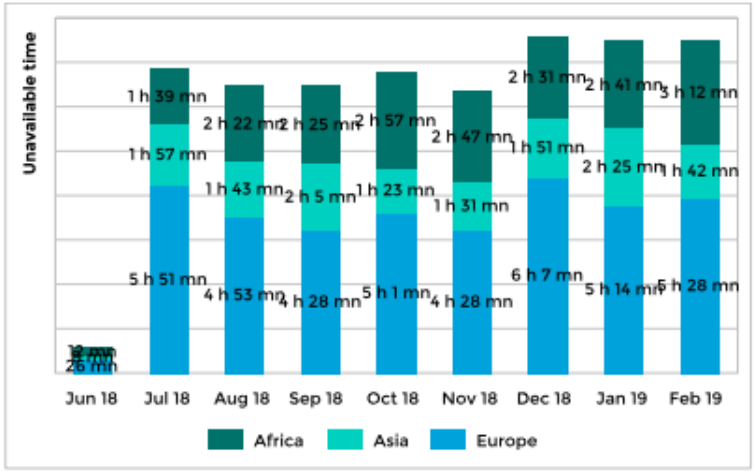
48% of unavailability have been detected on: **Europe**

Service exception events

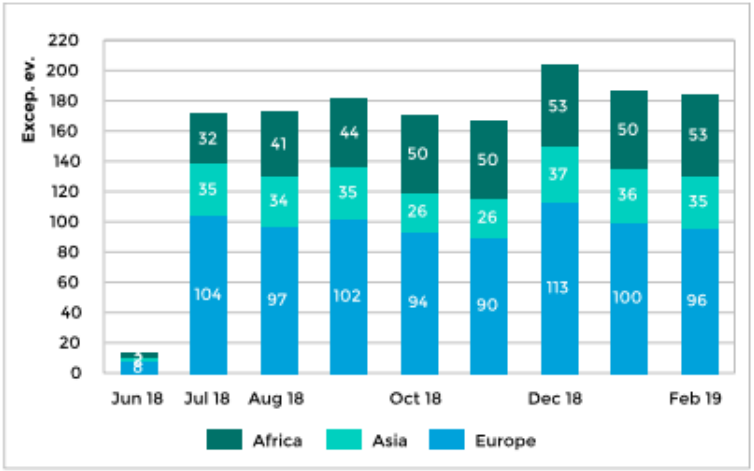
47% of exception events have been detected on: **Europe**

Month	Unavailability	Excep. ev.
Dec 18	41 h 5 mn	155
Jan 19	48 h 14 mn	187
Feb 19	42 h 17 mn	177

Host unavailability evolution

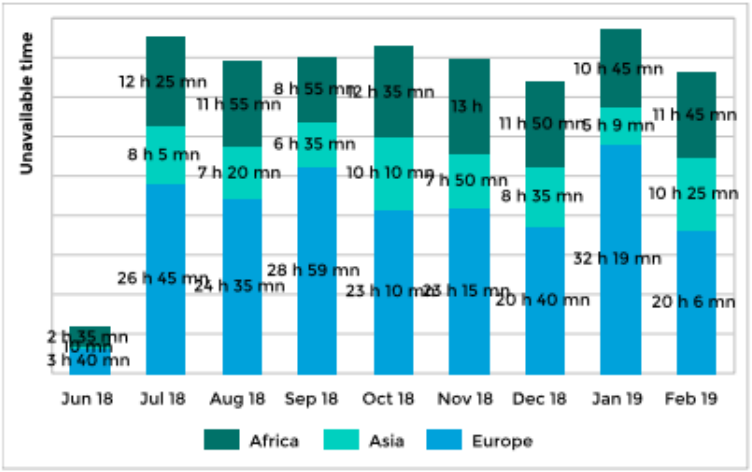


Host exception events evolution

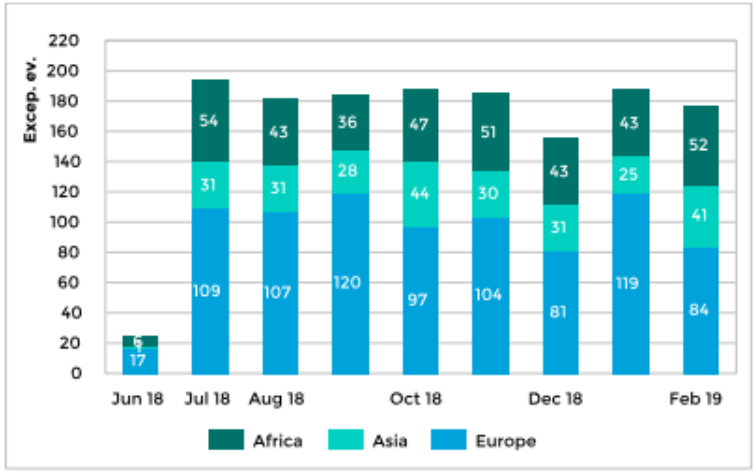


Hosts, service unavailabilities and exception events are distributed by host categories for the current group.

Evolution of service unavailability by host category



Evolution of service exception events by host category



Firewall

Host unavailability

100% is the ratio between the cumulative unavailability duration in list 1, and the total unavailability duration detected.

Host exception events

100% is the ratio between the sum the exception events in the list 2, and the total of exception events detected.

Service unavailability

100% is the ratio between the cumulative unavailability duration in list 3, and the total unavailability duration detected.

Service exception events

100% is the ratio between the sum the exception events in the list 4, and the total of exception events detected.

1. TOP 15 of host unavailabilities

57 mn 45 s	fw-casablanca
57 mn 15 s	fw-yaounde
55 mn 55 s	fw-bratislava
54 mn 15 s	fw-berlin
52 mn 45 s	fw-tokyo
51 mn 15 s	fw-cape-town
51 mn 10 s	fw-dublin
49 mn 55 s	fw-bruxelles
37 mn 40 s	fw-lisbon
37 mn 10 s	fw-moscou
25 mn 50 s	fw-alger
25 mn 30 s	fw-beijing
24 mn 10 s	fw-hongkong
22 mn 10 s	fw-paris
20 mn 5 s	fw-london

2. TOP 15 of host exception events

17	fw-yaounde
16	fw-casablanca
15	fw-berlin
15	fw-dublin
14	fw-bruxelles
14	fw-tokyo
13	fw-moscou
12	fw-bratislava
12	fw-cape-town
12	fw-lisbon
11	fw-hongkong
10	fw-beijing
8	fw-alger
8	fw-paris
7	fw-london

3. TOP 15 service unavailabilities by host

4 h 40 mn	fw-beijing
4 h 20 mn	fw-cape-town
4 h 15 mn	fw-tokyo
3 h 55 mn	fw-lisbon
3 h 30 mn	fw-alger
3 h 10 mn	fw-paris
3 h 7 mn	fw-bruxelles
2 h 40 mn	fw-casablanca
2 h 34 mn	fw-berlin
2 h 5 mn	fw-london
2 h 5 mn	fw-moscou
1 h 40 mn	fw-dublin
1 h 30 mn	fw-bratislava
1 h 30 mn	fw-hongkong
1 h 15 mn	fw-yaounde

4. TOP 15 of service exception events by host

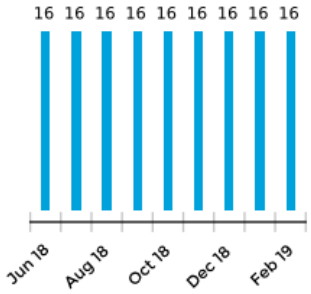
18	fw-beijing
17	fw-alger
17	fw-tokyo
16	fw-bruxelles
15	fw-cape-town
13	fw-casablanca
13	fw-paris
12	fw-lisbon
11	fw-berlin
10	fw-moscou
8	fw-dublin
7	fw-bratislava
7	fw-london
7	fw-yaounde
6	fw-hongkong

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

Host group **Windows-Servers**

centreon

Number of resources



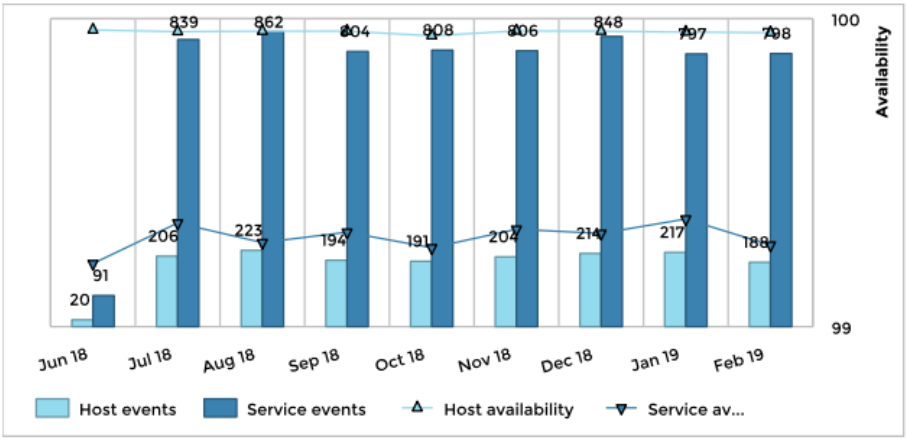
Host unavailability/ exception events

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

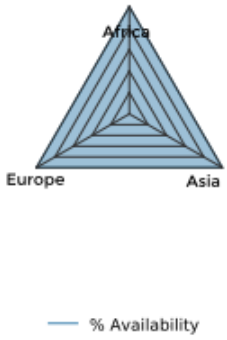
	2018					
	Jun	Jul	Aug	Sep	Oct	Nov
Host availability	99.96%	99.95%	99.95%	99.95%	99.94%	99.96%
Host events	20	206	223	194	191	204
Service availability	99.20%	99.33%	99.27%	99.30%	99.25%	99.31%
Service events	91	839	862	804	808	806

Availability and exception events evolution

	2018	2019	
	Dec	Jan	Feb
Host availability	99.95%	99.95%	99.95%
Host events	214	217	188
Service availability	99.30%	99.34%	99.26%
Service events	848	797	798

Hosts

Availability / host cat

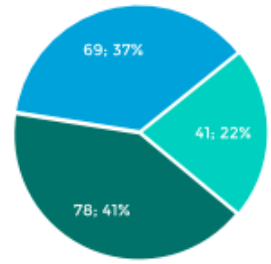


% Availability

Sum up

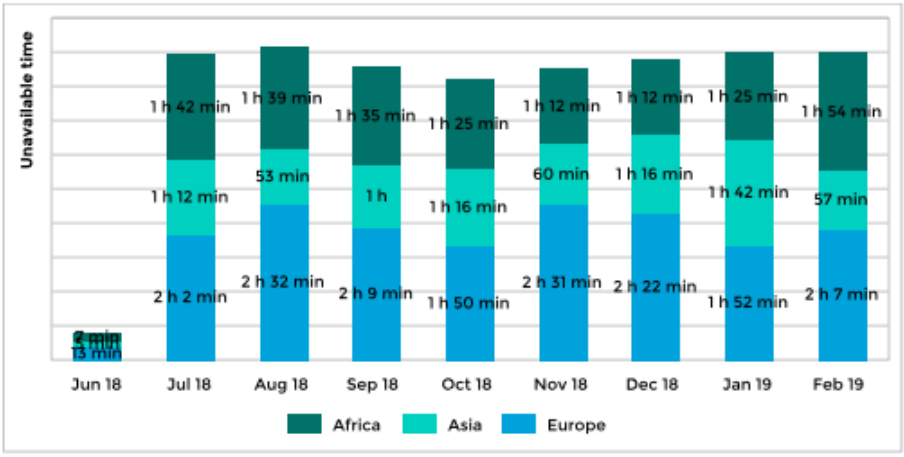
Host cat.	Avail.	Excep. ev.
Africa	99.94%	69
Europe	99.95%	78
Asia	99.96%	41

Host exception events / host cat.



- Africa
- Asia
- Europe

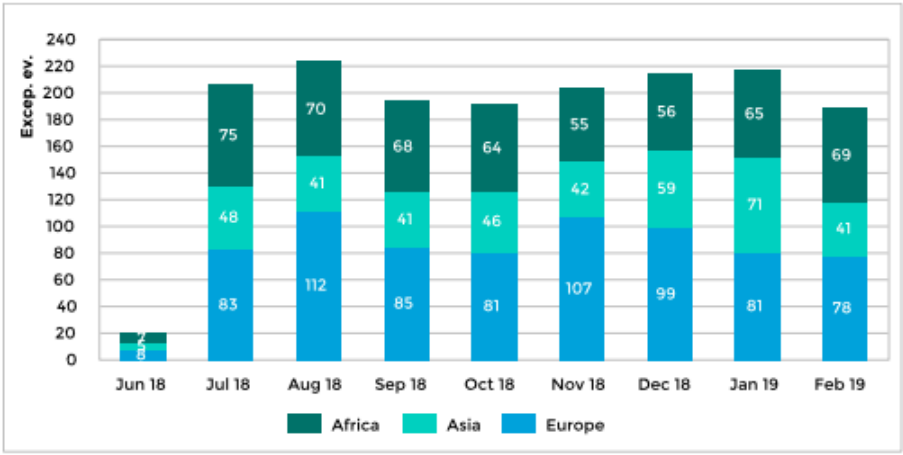
Host unavailability evolution



Top 10 - Host unavailability

Host	Unavailable	Avail.
srv-DC-casablanca	39 min	99.90%
srv-DC-lisbon	23 min	99.94%
srv-DC-bratislava	23 min	99.94%
srv-DC-cape-town	22 min	99.94%
srv-mssql-02	22 min	99.94%
srv-DC-london	20 min	99.95%
srv-DC-alger	19 min	99.95%
srv-DC-dublin	18 min	99.95%
srv-mssql-01	18 min	99.95%
srv-DC-bruxelles	16 min	99.96%

Host exception events evolution

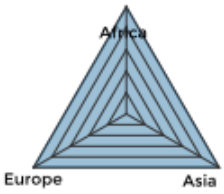


Top 10 - Host exception events

Host	Excep. ev.	Avail.
srv-DC-casablanca	20	99.90%
srv-DC-lisbon	14	99.94%
srv-DC-cape-town	14	99.94%
srv-DC-tokyo	13	99.96%
srv-mssql-01	12	99.95%
srv-DC-bruxelles	12	99.96%
srv-DC-dublin	12	99.95%
srv-DC-bratislava	12	99.94%
srv-DC-yaounde	12	99.96%
srv-DC-alger	11	99.95%

Services

Service availability / host cat.

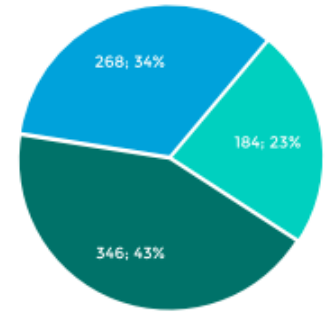


% Availability

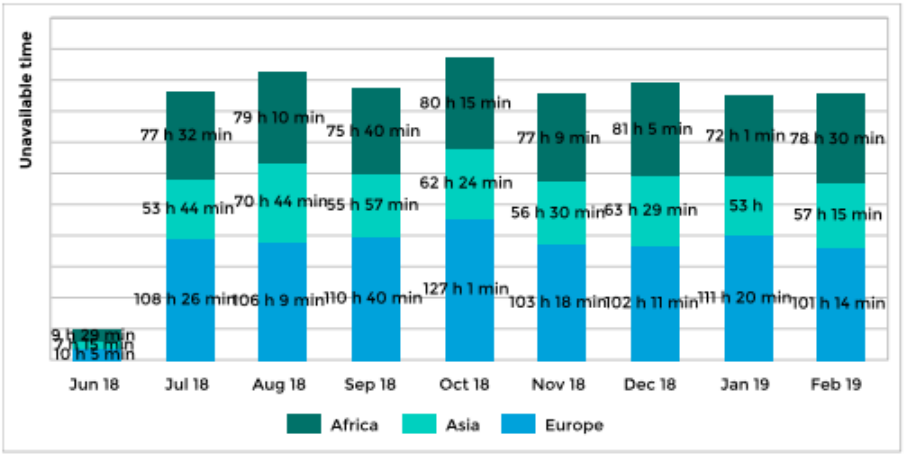
Sum up

Host cat.	Avail.	Excep. ev.
Africa	99.22%	268
Europe	99.28%	346
Asia	99.29%	184

Service exception events / host cat.



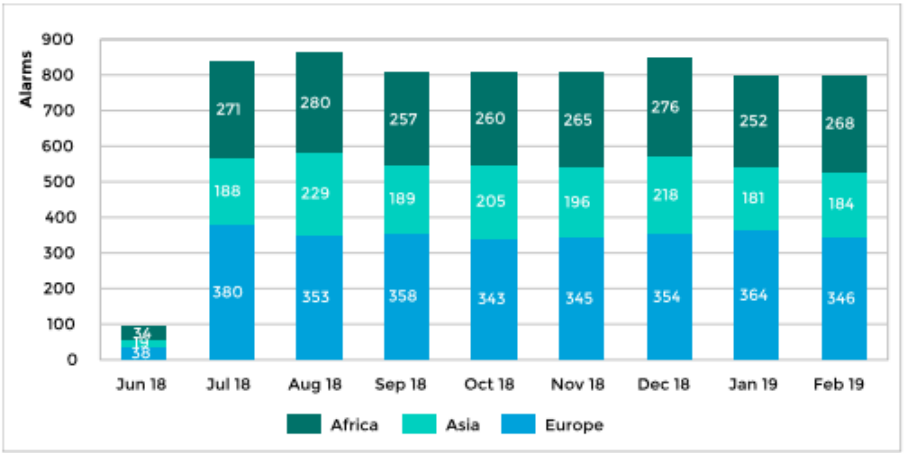
Evolution of service unavailability by host category



TOP 15 service exception events

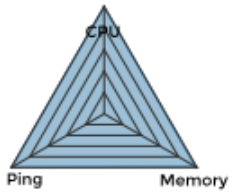
Host	Service	Excep. ev.	Avail.
srv-DC-dublin	memory	48	97.72%
srv-DC-yaounde	memory	46	98.03%
srv-DC-tokyo	memory	45	97.58%
srv-DC-paris	memory	44	98.14%
srv-mssql-01	memory	41	98.09%
srv-DC-alger	memory	40	97.97%
srv-DC-cape-town	memory	37	98.34%
srv-DC-hongkong	memory	36	98.10%
srv-DC-bratislava	memory	36	98.24%
srv-DC-lisbon	memory	35	98.07%
srv-DC-berlin	memory	34	98.54%
srv-DC-bruxelles	memory	34	98.55%
srv-DC-london	memory	34	98.40%
srv-DC-casablanca	memory	32	98.40%
srv-DC-beijing	memory	30	98.57%

Evolution of service exception events by host category



Services

Service availability / service cat.

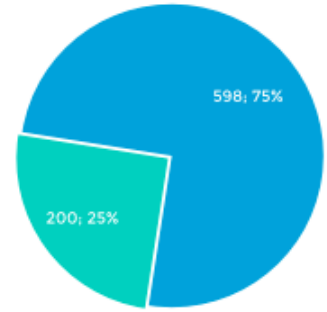


% Availability

Sum up

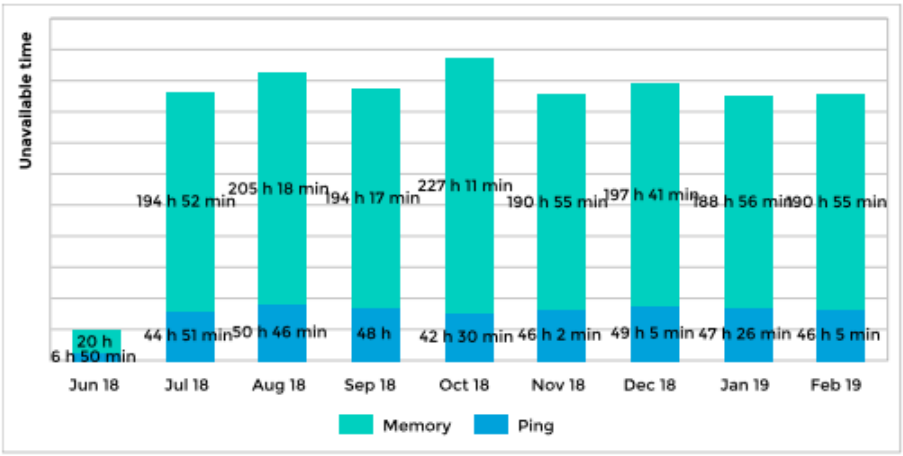
Services Cat.	Avail.	Excep. ev.
Ping	99.57%	200
Memory	98.22%	598
CPU	100.00%	0

Service exception events / service cat.



Memory
Ping

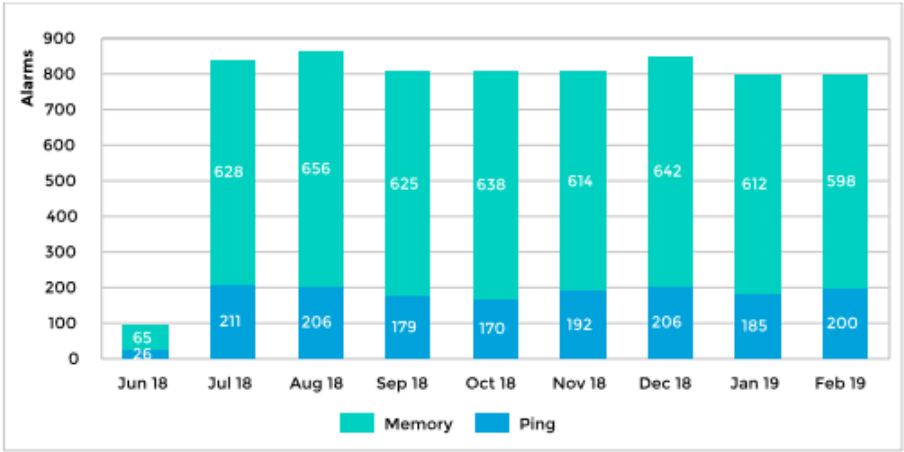
Evolution of service unavailability



TOP 15 service unavailability

Host	Service	Unavailable	Avail.
srv-DC-tokyo	memory	16 h 15 min	97.58%
srv-DC-dublin	memory	15 h 20 min	97.72%
srv-DC-alger	memory	13 h 40 min	97.97%
srv-DC-yaounde	memory	13 h 15 min	98.03%
srv-DC-lisbon	memory	13 h	98.07%
srv-mssql-01	memory	12 h 50 min	98.09%
srv-DC-hongkong	memory	12 h 44 min	98.10%
srv-DC-paris	memory	12 h 30 min	98.14%
srv-DC-bratislava	memory	11 h 50 min	98.24%
srv-DC-cape-town	memory	11 h 10 min	98.34%
srv-DC-london	memory	10 h 45 min	98.40%
srv-DC-casablanca	memory	10 h 45 min	98.40%
srv-DC-berlin	memory	9 h 50 min	98.54%
srv-DC-bruxelles	memory	9 h 45 min	98.55%
srv-DC-beijing	memory	9 h 35 min	98.57%

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

Host availability

		Availability			Unavailable		Exception events	
Host cat.	Host	%	Duration	Trend	Duration	Trend	Total	Trend
Africa	srv-DC-casablanca	99.90%	671 h 21 min	-0.07%	39 min	+27 min 30 sec	20	9
Europe	srv-DC-lisbon	99.94%	671 h 36 min	-0.02%	23 min	+8 min 30 sec	14	2
Europe	srv-DC-bratislava	99.94%	671 h 36 min	-0.02%	23 min	+6 min 20 sec	12	1
North_America	srv-DC-miami	99.94%	671 h 37 min	-0.02%	22 min	+7 min 55 sec	17	8
Africa	srv-DC-cape-town	99.94%	671 h 37 min	-0.03%	22 min	+12 min 45 sec	14	6
Oceania	srv-DC-djakarta	99.94%	671 h 37 min	0.00%	22 min	-1 min 19 sec	15	-3
Asia	srv-mssql-02	99.94%	671 h 37 min	-0.01%	22 min	+3 min 40 sec	11	-4
Europe	srv-DC-london	99.95%	671 h 39 min	-0.01%	20 min	+3 min 20 sec	11	-2
Africa	srv-DC-alger	99.95%	671 h 40 min	0.03%	19 min	-16 min 31 sec	11	-13
Europe	srv-DC-dublin	99.95%	671 h 41 min	-0.01%	18 min	+40 sec	12	2
North_America	srv-DC-los-angeles	99.95%	671 h 41 min	-0.02%	18 min	+7 min 40 sec	11	2
North_America	srv-DC-seattle	99.95%	671 h 41 min	0.00%	18 min	-1 min 40 sec	9	-6
Oceania	srv-DC-sydney	99.95%	671 h 41 min	0.00%	18 min	-45 sec	12	-2
Africa	srv-mssql-01	99.95%	671 h 41 min	-0.02%	18 min	+5 min 5 sec	12	3
Europe	srv-DC-bruxelles	99.96%	671 h 43 min	0.00%	16 min	-3 min 10 sec	12	-2
Asia	srv-DC-tokyo	99.96%	671 h 43 min	0.02%	16 min	-10 min 34 sec	13	-6
South_America	srv-DC-brasilia	99.96%	671 h 44 min	0.01%	15 min	-5 min 16 sec	9	-5
Africa	srv-DC-yaounde	99.96%	671 h 45 min	0.00%	14 min	+25 sec	12	-1
Europe	srv-DC-paris	99.97%	671 h 45 min	-0.01%	14 min	+2 min 21 sec	9	0
North_America	srv-DC-mexico	99.97%	671 h 45 min	0.00%	14 min	-1 min 45 sec	11	-3
Oceania	srv-DC-perth	99.97%	671 h 48 min	0.02%	11 min	-8 min	9	-3
Asia	srv-DC-beijing	99.97%	671 h 48 min	0.03%	11 min	-12 min 41 sec	9	-6
North_America	srv-DC-toronto	99.97%	671 h 48 min	0.00%	11 min	+5 sec	9	-1
Europe	srv-DC-berlin	99.97%	671 h 48 min	0.00%	11 min	-2 min 25 sec	8	-4
Asia	srv-DC-hongkong	99.98%	671 h 53 min	0.06%	6 min	-25 min 30 sec	8	-14

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

Hostgroup-Service-Availability-List

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

				Availability			Exception events				Warning events			
Host cat.	Host	Services Cat.	Service	%	Duration	Trend	Duration	Trend	Alarms	Trend	Duration	Trend	Alarms	Trend
Europe	srv-DC-bratislava	Priority 3	disk-D	97,54%	655 h 29 min	-1,62	16 h 30 min	+10 h 15 min	38	21	7 h 20 min	-1 h 50 min	18	-2
Asia	srv-DC-tokyo	Priority 3	memory	97,58%	655 h 44 min	-0,90	16 h 15 min	+4 h 59 min	45	7	22 h 15 min	+1 h 28 min	71	-7
Asia	srv-DC-tokyo	Priority 2	memory	97,58%	655 h 44 min	-0,90	16 h 15 min	+4 h 59 min	45	7	22 h 15 min	+1 h 28 min	71	-7
Europe	srv-DC-dublin	Priority 3	memory	97,72%	656 h 40 min	-1,02	15 h 20 min	+5 h 55 min	48	19	20 h 15 min	+1 h 40 min	65	3
Europe	srv-DC-dublin	Priority 2	memory	97,72%	656 h 40 min	-1,02	15 h 20 min	+5 h 55 min	48	19	20 h 15 min	+1 h 40 min	65	3
Africa	srv-DC-alger	Priority 3	memory	97,97%	658 h 19 min	-0,42	13 h 40 min	+1 h 40 min	40	-1	18 h 35 min	-2 h 45 min	58	-7
Africa	srv-DC-alger	Priority 2	memory	97,97%	658 h 19 min	-0,42	13 h 40 min	+1 h 40 min	40	-1	18 h 35 min	-2 h 45 min	58	-7
Africa	srv-DC-yaounde	Priority 3	memory	98,03%	658 h 45 min	-0,48	13 h 15 min	+2 h 10 min	46	10	23 h 45 min	-40 min 43 sec	71	-6
Africa	srv-DC-yaounde	Priority 2	memory	98,03%	658 h 45 min	-0,48	13 h 15 min	+2 h 10 min	46	10	23 h 45 min	-40 min 43 sec	71	-6
Europe	srv-DC-lisbon	Priority 3	memory	98,07%	659 h	0,05	13 h	-1 h 45 min	35	-12	17 h 50 min	-8 h 24 min	63	-15
Europe	srv-DC-lisbon	Priority 2	memory	98,07%	659 h	0,05	13 h	-1 h 45 min	35	-12	17 h 50 min	-8 h 24 min	63	-15
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.														
Reporting period from 2/1/19 to 3/1/19 , business hours: 24x7														

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

Host group **Windows-Servers**

centreon

Inventory of uninformative host events detected

			Period		Performance		
Host cat.	Host	State	Start	End	Acknowledgement	Real MTRS	Effective MTRS
Europe	srv-DC-bruxelles	Down	Feb 28, 2019, 8:41 PM	Feb 28, 2019, 8:41 PM	-	35 sec	35 sec
Asia	srv-DC-tokyo	Down	Feb 28, 2019, 2:49 PM	Feb 28, 2019, 2:50 PM	-	1 min 10 sec	1 min 10 sec
North_America	srv-DC-los-angeles	Down	Feb 28, 2019, 12:56 PM	Feb 28, 2019, 12:59 PM	-	3 min 25 sec	3 min 25 sec
Europe	srv-DC-london	Down	Feb 28, 2019, 10:19 AM	Feb 28, 2019, 10:22 AM	-	2 min 35 sec	2 min 35 sec
North_America	srv-DC-toronto	Down	Feb 28, 2019, 10:10 AM	Feb 28, 2019, 10:10 AM	-	20 sec	20 sec
Europe	srv-DC-bruxelles	Down	Feb 28, 2019, 9:39 AM	Feb 28, 2019, 9:40 AM	-	60 sec	60 sec
North_America	srv-DC-miami	Down	Feb 28, 2019, 8:13 AM	Feb 28, 2019, 8:15 AM	-	2 min 25 sec	2 min 25 sec
North_America	srv-DC-seattle	Down	Feb 28, 2019, 6:50 AM	Feb 28, 2019, 6:52 AM	-	1 min 50 sec	1 min 50 sec
Europe	srv-DC-london	Down	Feb 28, 2019, 5:45 AM	Feb 28, 2019, 5:46 AM	-	45 sec	45 sec
Europe	srv-DC-bratislava	Down	Feb 27, 2019, 8:13 PM	Feb 27, 2019, 8:15 PM	-	1 min 20 sec	1 min 20 sec
Asia	srv-DC-beijing	Down	Feb 27, 2019, 6:18 PM	Feb 27, 2019, 6:21 PM	-	3 min 5 sec	3 min 5 sec
Asia	srv-DC-tokyo	Down	Feb 27, 2019, 5:19 PM	Feb 27, 2019, 5:19 PM	-	21 sec	21 sec
Asia	srv-DC-beijing	Down	Feb 27, 2019, 9:49 AM	Feb 27, 2019, 9:50 AM	-	60 sec	60 sec
Europe	srv-DC-paris	Down	Feb 27, 2019, 9:26 AM	Feb 27, 2019, 9:28 AM	-	1 min 45 sec	1 min 45 sec
Europe	srv-DC-berlin	Down	Feb 27, 2019, 8:02 AM	Feb 27, 2019, 8:04 AM	-	1 min 45 sec	1 min 45 sec
Asia	srv-DC-beijing	Down	Feb 27, 2019, 7:40 AM	Feb 27, 2019, 7:41 AM	-	1 min 5 sec	1 min 5 sec
Africa	srv-DC-casablanca	Down	Feb 27, 2019, 7:34 AM	Feb 27, 2019, 7:35 AM	-	1 min 45 sec	1 min 45 sec
Europe	srv-DC-dublin	Down	Feb 27, 2019, 7:12 AM	Feb 27, 2019, 7:14 AM	-	2 min 5 sec	2 min 5 sec
Asia	srv-DC-hongkong	Down	Feb 27, 2019, 7:08 AM	Feb 27, 2019, 7:09 AM	-	45 sec	45 sec
North_America	srv-DC-miami	Down	Feb 27, 2019, 6:56 AM	Feb 27, 2019, 6:58 AM	-	2 min 15 sec	2 min 15 sec
Africa	srv-DC-cape-town	Down	Feb 26, 2019, 8:34 PM	Feb 26, 2019, 8:36 PM	-	2 min 30 sec	2 min 30 sec
Europe	srv-DC-lisbon	Down	Feb 26, 2019, 2:17 PM	Feb 26, 2019, 2:21 PM	-	3 min 15 sec	3 min 15 sec
North_America	srv-DC-seattle	Down	Feb 26, 2019, 7:35 AM	Feb 26, 2019, 7:36 AM	-	1 min 30 sec	1 min 30 sec

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

Host group **MSSQL-Servers**

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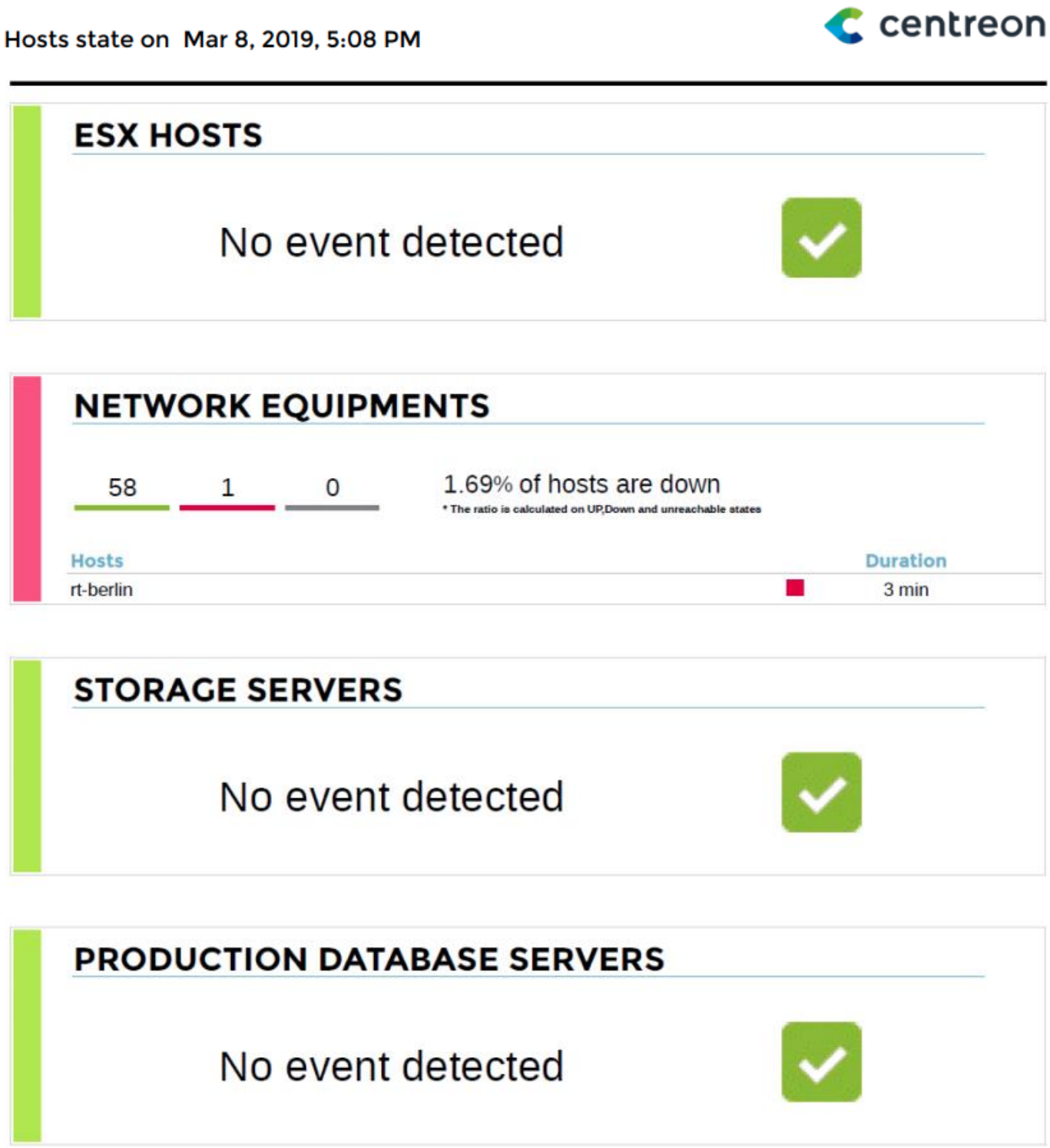
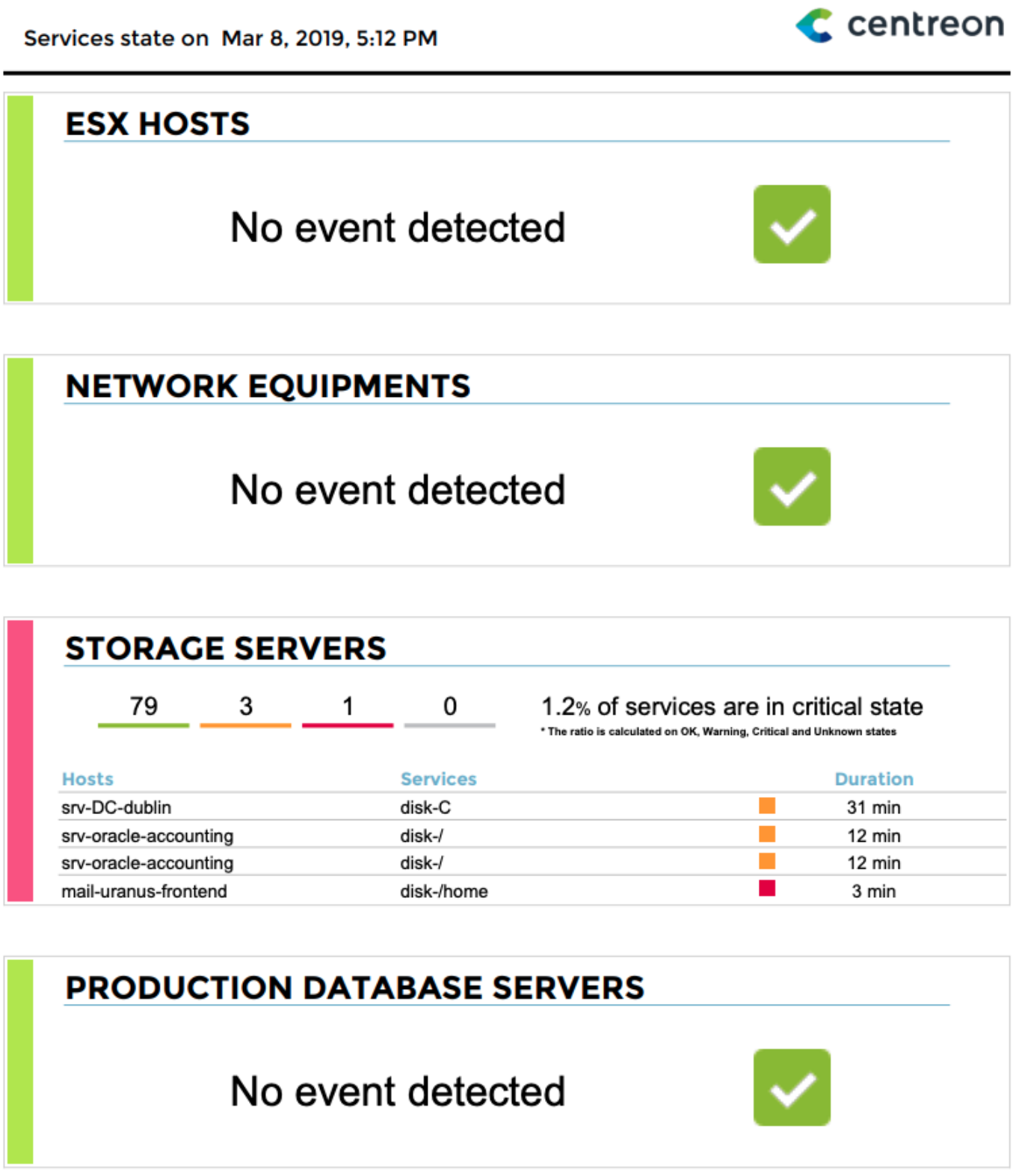
Inventory of uninformative service events detected

					Period		Performance		
Host cat.	Host	Service Cat.	Services	State	Start	End	Acknowledgement	Real MTRS	Effective MTRS
Asia	srv-mssql-02	Antivirus	eventlog-Antivirus	Critical	Feb 28, 2019, 9:29 PM	Feb 28, 2019, 9:34 PM	-	5 min	5 min
Africa	srv-mssql-01	Memory	memory	Warning	Feb 28, 2019, 6:20 PM	Feb 28, 2019, 6:25 PM	-	5 min	5 min
Asia	srv-mssql-02	Antivirus	eventlog-Antivirus	Critical	Feb 28, 2019, 6:04 PM	Feb 28, 2019, 6:09 PM	-	5 min	5 min
Africa	srv-mssql-01	OS-storage	disk-C	Warning	Feb 28, 2019, 5:03 PM	Feb 28, 2019, 5:38 PM	-	35 min	35 min
Africa	srv-mssql-01	Memory	memory	Critical	Feb 28, 2019, 4:03 PM	Feb 28, 2019, 4:33 PM	-	30 min	30 min
Africa	srv-mssql-01	Memory	memory	Warning	Feb 28, 2019, 3:58 PM	Feb 28, 2019, 4:03 PM	-	5 min	5 min
Asia	srv-mssql-02	Antivirus	eventlog-Antivirus	Critical	Feb 28, 2019, 3:39 PM	Feb 28, 2019, 3:44 PM	-	5 min	5 min
Africa	srv-mssql-01	OS-storage	disk-C	Warning	Feb 28, 2019, 1:46 PM	Feb 28, 2019, 2:16 PM	-	30 min	30 min
Africa	srv-mssql-01	Memory	memory	Critical	Feb 28, 2019, 11:31 AM	Feb 28, 2019, 11:46 AM	-	15 min	15 min
Africa	srv-mssql-01	Memory	memory	Warning	Feb 28, 2019, 11:16 AM	Feb 28, 2019, 11:31 AM	-	15 min	15 min
Africa	srv-mssql-01	Memory	memory	Critical	Feb 28, 2019, 7:14 AM	Feb 28, 2019, 7:49 AM	-	35 min	35 min
Africa	srv-mssql-01	Ping	ping	Critical	Feb 28, 2019, 6:06 AM	Feb 28, 2019, 6:21 AM	-	15 min	15 min
Africa	srv-mssql-01	OS-storage	disk-C	Warning	Feb 28, 2019, 4:19 AM	Feb 28, 2019, 4:44 AM	-	25 min	25 min
Africa	srv-mssql-01	Memory	memory	Critical	Feb 28, 2019, 3:21 AM	Feb 28, 2019, 3:31 AM	-	10 min	10 min
Africa	srv-mssql-01	Memory	memory	Warning	Feb 28, 2019, 3:06 AM	Feb 28, 2019, 3:21 AM	-	15 min	15 min
Asia	srv-mssql-02	Antivirus	eventlog-Antivirus	Critical	Feb 28, 2019, 1:34 AM	Feb 28, 2019, 1:39 AM	-	5 min	5 min
Asia	srv-mssql-02	Antivirus	eventlog-Antivirus	Critical	Feb 27, 2019, 8:54 PM	Feb 27, 2019, 8:59 PM	-	5 min	5 min
Asia	srv-mssql-02	Memory	memory	Critical	Feb 27, 2019, 8:46 PM	Feb 27, 2019, 8:56 PM	-	10 min	10 min
Africa	srv-mssql-01	Memory	memory	Critical	Feb 27, 2019, 7:59 PM	Feb 27, 2019, 8:19 PM	-	20 min	20 min
Asia	srv-mssql-02	OS-storage	disk-C	Warning	Feb 27, 2019, 6:13 PM	Feb 27, 2019, 6:43 PM	-	30 min	30 min
Asia	srv-mssql-02	Memory	memory	Warning	Feb 27, 2019, 5:44 PM	Feb 27, 2019, 5:49 PM	-	5 min	5 min
Asia	srv-mssql-02	Antivirus	eventlog-Antivirus	Critical	Feb 27, 2019, 3:59 PM	Feb 27, 2019, 4:04 PM	-	5 min	5 min
Africa	srv-mssql-01	Memory	memory	Warning	Feb 27, 2019, 2:42 PM	Feb 27, 2019, 2:47 PM	-	5 min	5 min

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 title and define the perimeter by filtering 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 title and define the perimeter by filtering on hostgroups, hostcategories and service categories.



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

Firewalls

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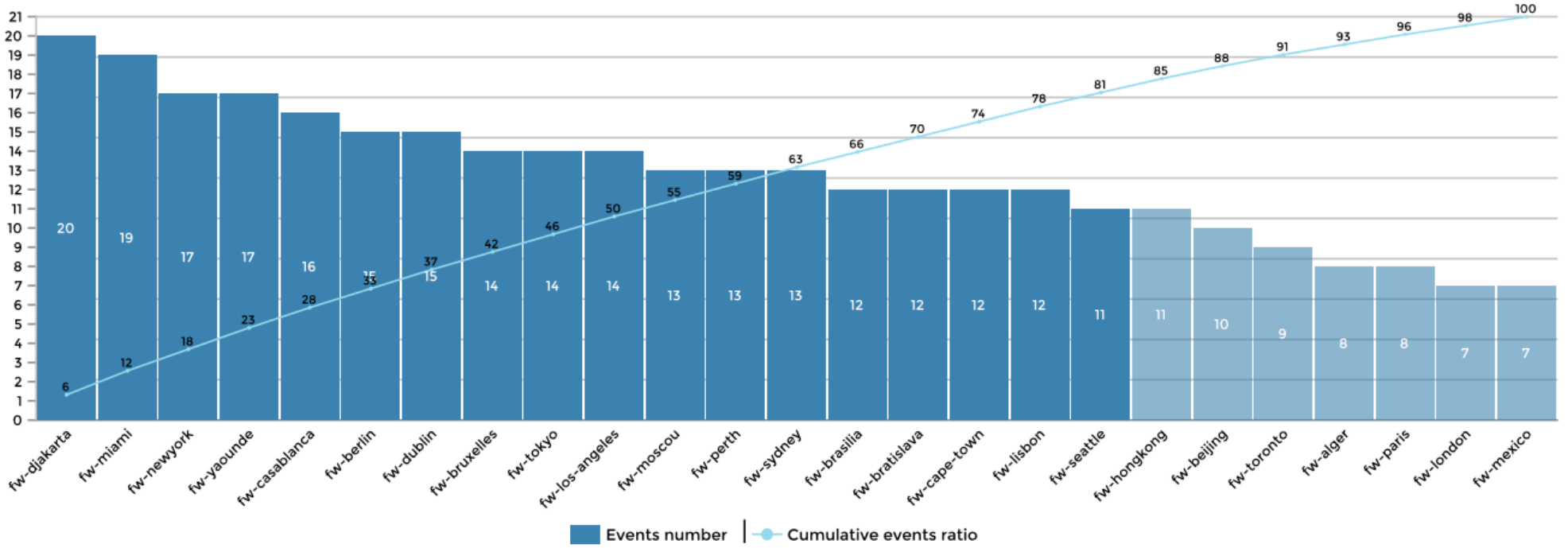
Pareto Chart - Hosts that caused the more events:

18 hosts which corresponds to **72%** 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.

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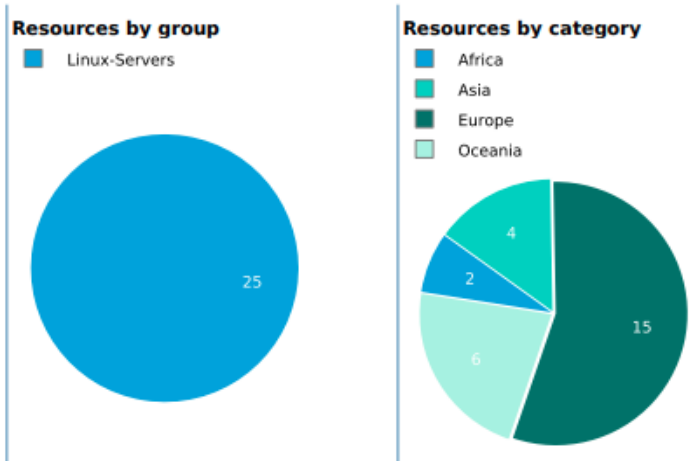
Capacity provisional report

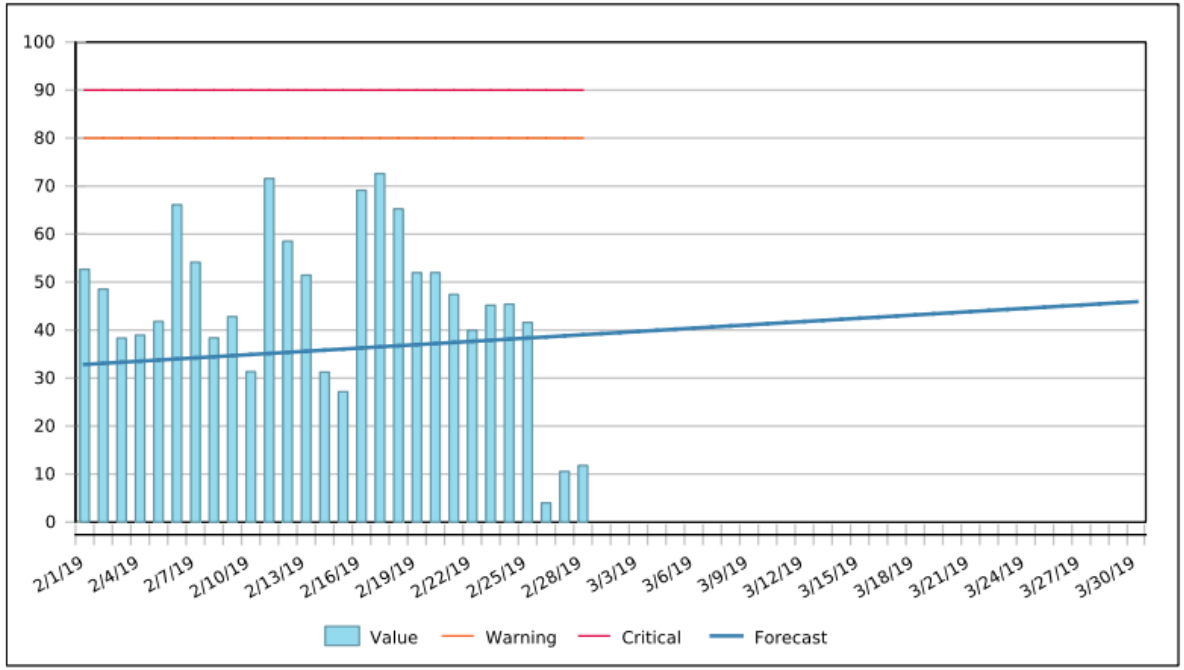
01 February 19
01 March 19



Time period : 24x7

ldap-shelley-master disk-/ (metric: used)

Date	Value	Forecast	Error index
Feb 1, 2019	52.66	32.84	19.83
Feb 2, 2019	48.54	33.07	15.47
Feb 3, 2019	38.32	33.30	5.02
Feb 4, 2019	38.95	33.53	5.42
Feb 5, 2019	41.80	33.75	8.04
Feb 6, 2019	66.12	33.98	32.14
Feb 7, 2019	54.13	34.21	19.91
Feb 8, 2019	38.37	34.44	3.92
Feb 9, 2019	42.80	34.67	8.13
Feb 10, 2019	31.34	34.90	3.57
Feb 11, 2019	71.57	35.13	36.44
Feb 12, 2019	58.51	35.36	23.15
Feb 13, 2019	51.45	35.59	15.86
Feb 14, 2019	31.24	35.82	4.57
Feb 15, 2019	27.16	36.05	8.89
Feb 16, 2019	69.13	36.28	32.85
Feb 17, 2019	72.59	36.51	36.09
Feb 18, 2019	65.24	36.74	28.51
Feb 19, 2019	51.96	36.96	15.00
Feb 20, 2019	51.97	37.19	14.78
Feb 21, 2019	47.41	37.42	9.99
Feb 22, 2019	39.96	37.65	2.30
Feb 23, 2019	45.17	37.88	7.29
Feb 24, 2019	45.40	38.11	7.28
Feb 25, 2019	41.59	38.34	3.24
Feb 26, 2019	3.99	38.57	34.58
Feb 27, 2019	10.56	38.80	28.24
Feb 28, 2019	11.79	39.03	27.23
Mar 1, 2019		39.26	
Mar 2, 2019		39.49	
Mar 3, 2019		39.72	
Mar 4, 2019		39.95	
Mar 5, 2019		40.18	
Mar 6, 2019		40.40	
Mar 7, 2019		40.63	
Mar 8, 2019		40.86	
Mar 9, 2019		41.09	
Mar 10, 2019		41.32	
Mar 11, 2019		41.55	
Mar 12, 2019		41.78	
Mar 13, 2019		42.01	



Saturation forecast	
Critical treshold	90.00%
Number of days before saturation	222

Values are expressed in percentage (%)
Daily based sampling
Sampling period to calculate the linear regression: Jan 2, 2019 - Mar 1, 2019
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.

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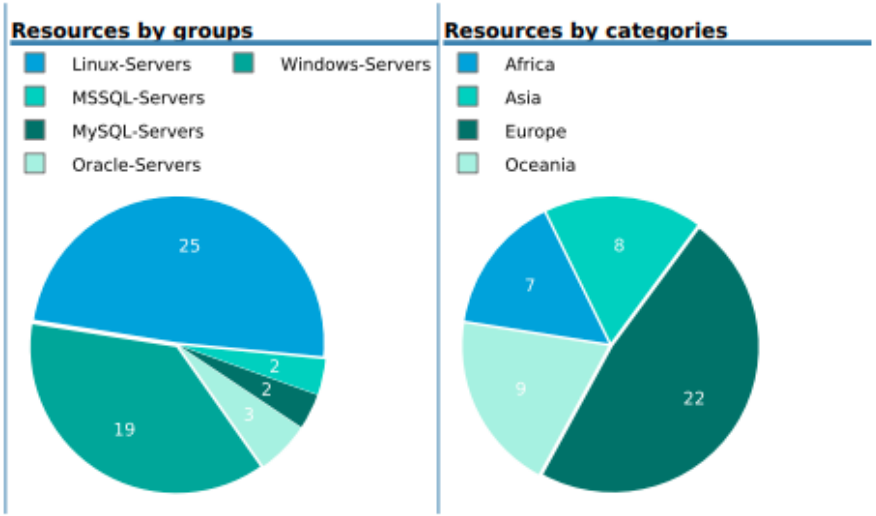
Storage Management Report

01 February 19
01 March 19



Time period : 24x7

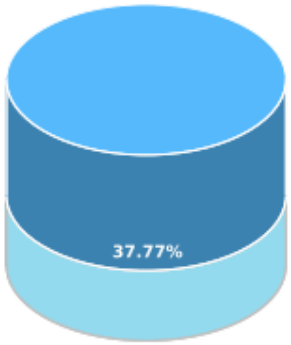
Definition and analysis axes

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.

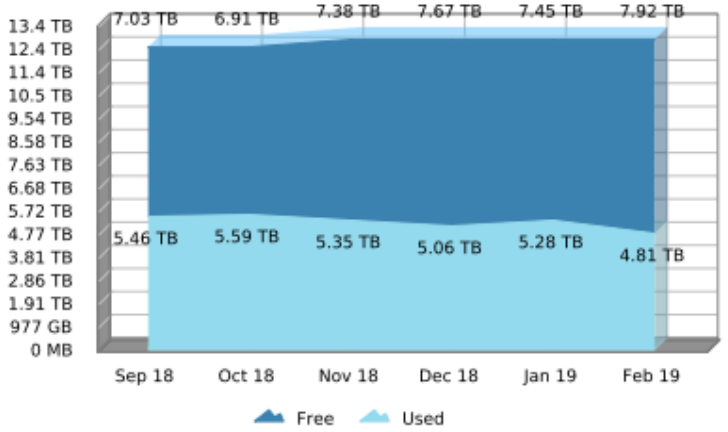
Global information



12.7 TB
of allocated space

4.81 TB
of used space

Used and free space evolution



0.00% of additionnal allocated space compared to the previous month

0 B of additionnal allocated space compared to the previous month

-482 GB of additionnal used space compared to the previous month

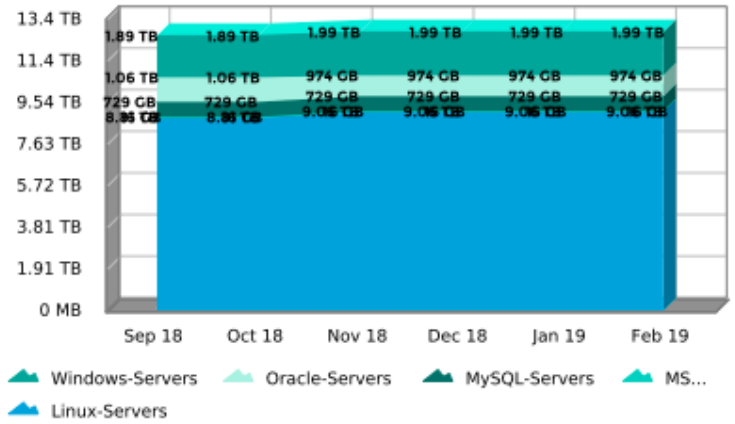
Allocated space/host groups

Detailed statistics by groups

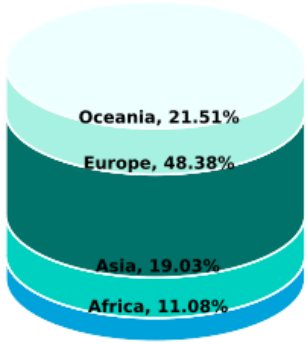
Group	Allocated	Evolution	% used	Evolution
Linux-Servers	9.06 TB	0% (0 B)	39.49%	-3.93% (-150 GB)
Windows-Servers	1.99 TB	0% (0 B)	38.63%	7.82% (57.1 GB)
MSSQL-Servers	16 GB	0% (0 B)	32.39%	-16.95% (-1.06 GB)
MySQL-Servers	729 GB	0% (0 B)	33.48%	-41.33% (-172 GB)
Oracle-Servers	974 GB	0% (0 B)	22.93%	-49.25% (-217 GB)
Global statistics	**12.7 TB**	**0% (0 B)**	**37.77%**	**-8.92% (-482 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



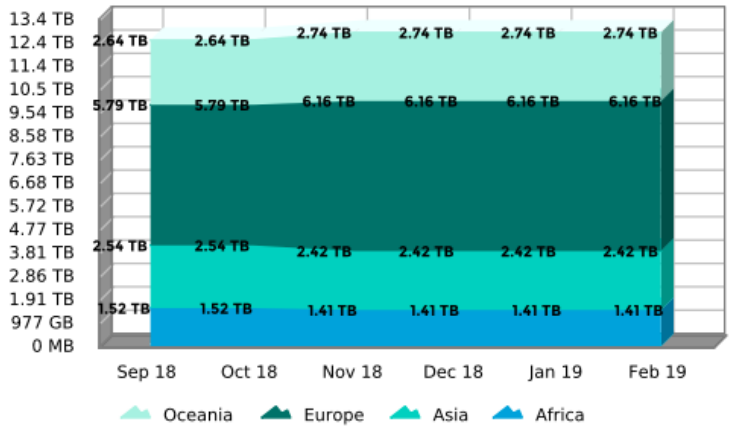
Allocated space/host cat.



Detailed Statistics

Host Categories	Allocated	Evolution	% used	Evolution
Asia	2.42 TB	0% (0 B)	28.67%	-31.55% (-328 GB)
Europe	6.16 TB	0% (0 B)	42.13%	4.15% (106 GB)
Oceania	2.74 TB	0% (0 B)	38.48%	-0.69% (-7.45 GB)
Africa	1.41 TB	0% (0 B)	33.01%	-34.67% (-253 GB)
Global statistics	**12.7 TB**	**0% (0 B)**	**37.77%**	**-8.92% (-482 GB)**

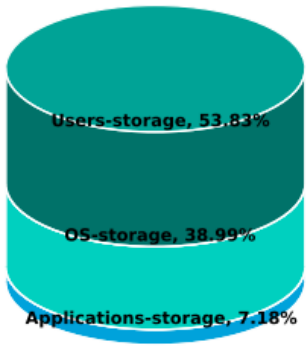
Allocated space evolution by host categories



6.16 TB of additionnal allocated space compared to the previous month for : **Europe**

6.85 TB of the storage system is allocated to the service category : **Users-storage**

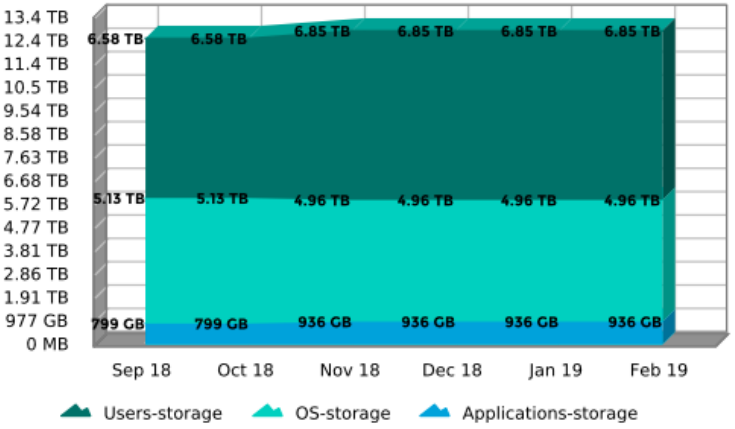
Allocated space/service cat.



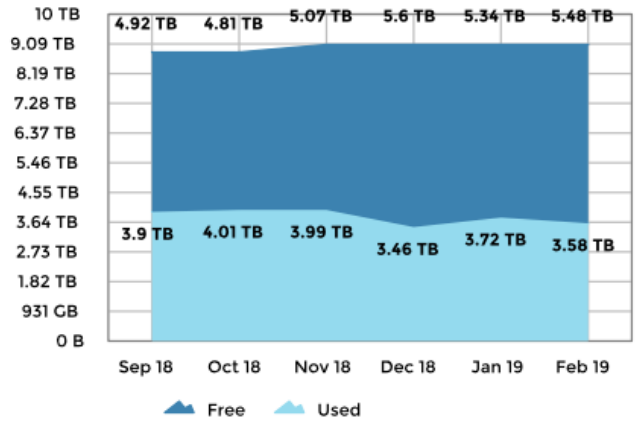
Detailed statistics by service categories

Services Categories	Allocated	Evolution	% used	Evolution
OS-storage	4.96 TB	0% (0 B)	39.58%	-0.57% (-11.6 GB)
Users-storage	6.85 TB	0% (0 B)	36.74%	-12.3% (-362 GB)
Applications-storage	936 GB	0% (0 B)	35.68%	-24.63% (-109 GB)
Global statistics	**12.7 TB**	**0% (0 B)**	**37.77%**	**-8.92% (-482 GB)**

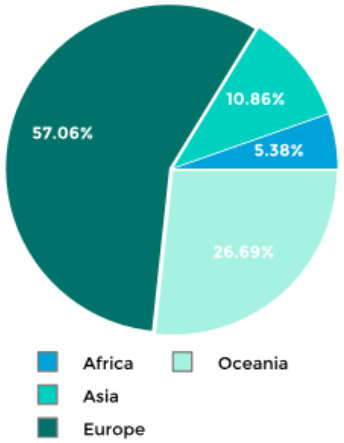
Allocated space evolution by service categories



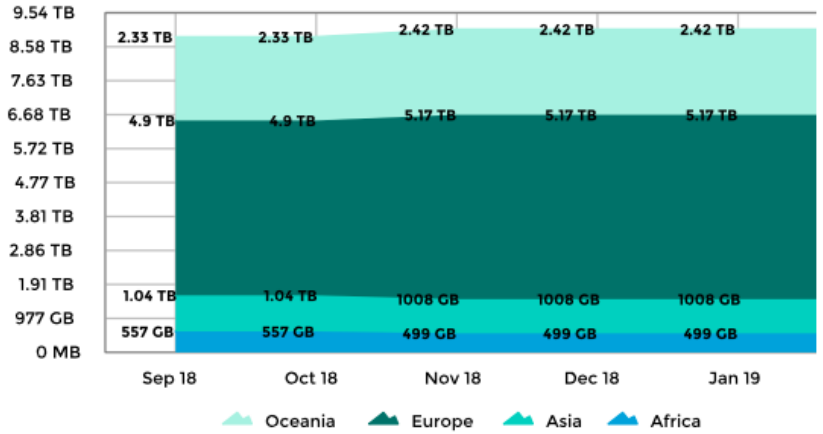
Used and free space evolution



Allocated space/host cat.



Allocated space evolution by host categories

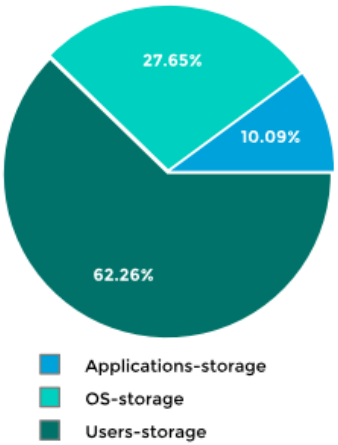


Linux-Servers

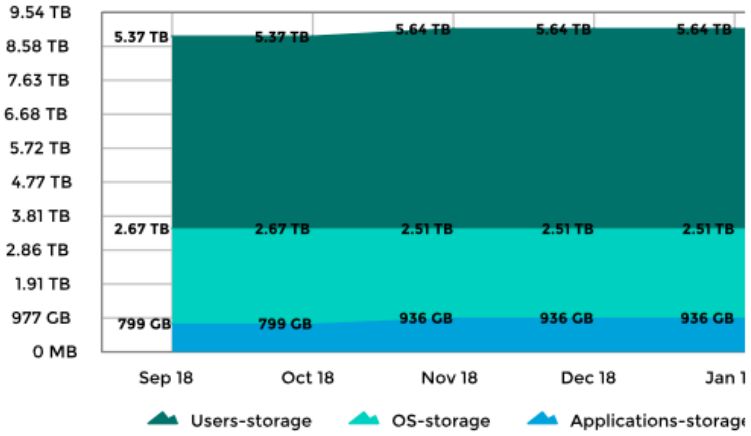
The table on the right presents the evolution in percentage of allocated and used space for all host groups.

	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	Feb 19
Allocated	-	-	+2.8% (253 GB)	-	-	-
Used	-	+2.78% (111 GB)	-0.38% (-15.7 GB)	-13.22% (-540 GB)	+7.53% (267 GB)	-3.93% (-150 GB)

Allocated space/service cat.



Allocated space evolution by service categories



Detailed statistics by host and service categories

	Allocated	Evolution	% used	Evolution
Africa	499 GB	0% (0 B)	30.93%	-44.89% (-126 GB)
OS-storage	167 GB	0% (0 B)	39.65%	-38.87% (-42.1 GB)
Users-storage	332 GB	0% (0 B)	26.54%	-48.69% (-83.6 GB)
Asia	1008 GB	0% (0 B)	25.29%	-43.19% (-194 GB)
OS-storage	221 GB	0% (0 B)	38.24%	-29.31% (-35 GB)
Users-storage	787 GB	0% (0 B)	21.65%	-48.23% (-159 GB)
Europe	5.17 TB	0% (0 B)	43.94%	13.64% (279 GB)
OS-storage	1.55 TB	0% (0 B)	41.44%	13.09% (76.2 GB)
Users-storage	3.27 TB	0% (0 B)	44.16%	12.49% (164 GB)
Applications-storage	362 GB	0% (0 B)	52.89%	25.6% (39 GB)
Oceania	2.42 TB	0% (0 B)	37.46%	-10.55% (-109 GB)
OS-storage	590 GB	0% (0 B)	43.34%	25.06% (51.2 GB)
Users-storage	1.28 TB	0% (0 B)	40.34%	-2.32% (-12.6 GB)
Applications-storage	574 GB	0% (0 B)	24.82%	-50.98% (-148 GB)
Global statistics	**9.06 TB**	**0% (0 B)**	**39.49%**	**-3.93% (-150 GB)**

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

Host group **Linux-Servers**

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Space allocated/used by partition

		Allocation		Occupation			
Resource	Partition	Allocated	Evolution	Used	% used	Evolution	Time before saturation
mail-sun-master	disk-/usr	108 GB	0 %(0 B)	90.7 GB	83.95%	7.59 % (6.4 GB)	76 day(s)
mail-mercury-frontend	disk-/home	187 GB	0 %(0 B)	147 GB	78.84%	56.26 % (53.1 GB)	21 day(s)
mail-europa-backend	disk-/var/spool/cyrus	151 GB	0 %(0 B)	117 GB	77.59%	30.85 % (27.6 GB)	35 day(s)
mail-europa-backend	disk-/usr	191 GB	0 %(0 B)	148 GB	77.24%	97.74 % (72.9 GB)	17 day(s)
mail-mars-frontend	disk-/	165 GB	0 %(0 B)	127 GB	76.83%	-1.41 % (-1.81 GB)	-
mail-neptune-frontend	disk-/home	134 GB	0 %(0 B)	97.4 GB	72.67%	92.95 % (46.9 GB)	22 day(s)
mail-callisto-backend	disk-/home	161 GB	0 %(0 B)	116 GB	72.35%	17.63 % (17.5 GB)	72 day(s)
mail-europa-backend	disk-/	132 GB	0 %(0 B)	92.2 GB	69.83%	524.24 % (77.4 GB)	15 day(s)
mail-venus-frontend	disk-/	129 GB	0 %(0 B)	88.4 GB	68.52%	43 % (26.6 GB)	43 day(s)
mail-saturn-frontend	disk-/usr	195 GB	0 %(0 B)	129 GB	66.41%	708.68 % (113 GB)	17 day(s)
srv-mysql-01	disk-/usr	56 GB	0 %(0 B)	36.3 GB	64.81%	12.67 % (4.08 GB)	3+ months
mail-uranus-frontend	disk-/	169 GB	0 %(0 B)	102 GB	60.13%	98.54 % (50.4 GB)	38 day(s)
mail-io-backend	disk-/var/spool/cyrus	87 GB	0 %(0 B)	51.8 GB	59.53%	40.88 % (15 GB)	66 day(s)
mail-mars-frontend	disk-/home	58 GB	0 %(0 B)	32.9 GB	56.80%	-15.32 % (-5.96 GB)	-
mail-earth-frontend	disk-/home	18 GB	0 %(0 B)	9.87 GB	54.85%	6570.29 % (9.72 GB)	24 day(s)
mail-io-backend	disk-/usr	199 GB	0 %(0 B)	108 GB	54.31%	77.41 % (47.2 GB)	54 day(s)
mail-ganymede-backend	disk-/home	112 GB	0 %(0 B)	59 GB	52.69%	118.36 % (32 GB)	47 day(s)
mail-earth-frontend	disk-/	12 GB	0 %(0 B)	6.29 GB	52.44%	1661.35 % (5.94 GB)	27 day(s)
mail-mars-frontend	disk-/usr	29 GB	0 %(0 B)	14.9 GB	51.54%	46.57 % (4.75 GB)	83 day(s)
srv-mysql-02	disk-/	36 GB	0 %(0 B)	18.2 GB	50.67%	72.95 % (7.69 GB)	65 day(s)
mail-neptune-frontend	disk-/	8 GB	0 %(0 B)	4.05 GB	50.57%	280.55 % (2.98 GB)	38 day(s)
srv-mysql-02	disk-/home	159 GB	0 %(0 B)	76.2 GB	47.89%	-25.86 % (-26.6 GB)	-
srv-oracle-crm	disk-/home	115 GB	0 %(0 B)	53.5 GB	46.49%	-31.27 % (-24.3 GB)	-
srv-oracle-accounting	disk-/	192 GB	0 %(0 B)	87.7 GB	45.67%	-42.66 % (-65.2 GB)	-
mail-io-backend	disk-/	84 GB	0 %(0 B)	38 GB	45.23%	105.97 % (19.5 GB)	66 day(s)
mail-uranus-frontend	disk-/home	192 GB	0 %(0 B)	86.3 GB	44.96%	-39.84 % (-57.2 GB)	-
mail-uranus-frontend	disk-/usr	83 GB	0 %(0 B)	36.7 GB	44.23%	15.83 % (5.02 GB)	3+ months
mail-saturn-frontend	disk-/home	16 GB	0 %(0 B)	6.53 GB	40.82%	5.83 % (368 MB)	3+ months
mail-venus-frontend	disk-/usr	139 GB	0 %(0 B)	54.5 GB	39.17%	477.31 % (45 GB)	53 day(s)
mail-neptune-frontend	disk-/usr	20 GB	0 %(0 B)	7.66 GB	38.32%	-37.98 % (-4.69 GB)	-
mail-earth-frontend	disk-/usr	79 GB	0 %(0 B)	27.7 GB	35.12%	-49.15 % (-26.8 GB)	-
mail-saturn-frontend	disk-/	123 GB	0 %(0 B)	43.1 GB	35.00%	-17.71 % (-9.26 GB)	-
mail-callisto-backend	disk-/	115 GB	0 %(0 B)	40 GB	34.79%	-15.6 % (-7.39 GB)	-
mail-mercury-frontend	disk-/	113 GB	0 %(0 B)	36.3 GB	32.14%	578.59 % (31 GB)	70 day(s)

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

Host group **Linux-Servers**

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Definition and axis analysis

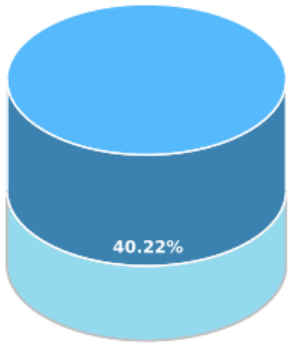
Allocated
The allocated space is the total amount of free and used space on the storage systems.

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.

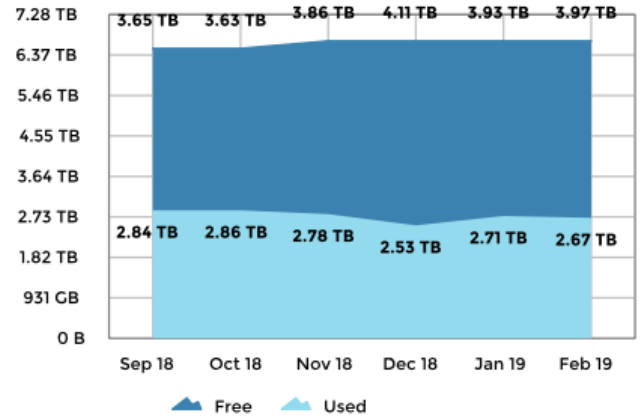
Global information



6.64 TB
of allocated space

2.67 TB
of used space

Used and free 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.

	Dec 2018			Feb 2019		
Allocated	-	-	+2.36% (157 GB)	-	-	-
Used	-	+0.97% (28.1 GB)	-2.85% (-83.6 GB)	-9.03% (-257 GB)	+7.14% (185 GB)	-1.45% (-40.3 GB)

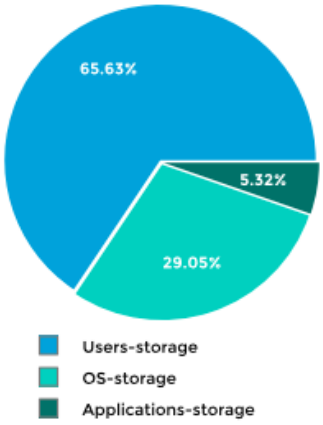
Top 10 - time before saturation

Resource	Partition	Occupation			
		Allocated	% used	Evolution	Time before saturation
mail-europa-backend	disk-/	132 GB	69.83%	77.4 GB	15 day(s)
mail-saturn-frontend	disk-/usr	195 GB	66.41%	113 GB	17 day(s)
mail-europa-backend	disk-/usr	191 GB	77.24%	72.9 GB	17 day(s)
mail-mercury-frontend	disk-/home	187 GB	78.84%	53.1 GB	21 day(s)
mail-neptune-frontend	disk-/home	134 GB	72.67%	46.9 GB	22 day(s)
mail-earth-frontend	disk-/home	18 GB	54.85%	9.72 GB	24 day(s)
mail-earth-frontend	disk-/	12 GB	52.44%	5.94 GB	27 day(s)
mail-europa-backend	disk-/var/spool/cyrus	151 GB	77.59%	27.6 GB	35 day(s)
mail-uranus-frontend	disk-/	169 GB	60.13%	50.4 GB	38 day(s)
mail-neptune-frontend	disk-/	8 GB	50.57%	2.98 GB	38 day(s)

Top 10 - storage space usage

Resource	Partition	Occupation			
		Allocated	Used	% used	Evolution
mail-sun-master	disk-/usr	108 GB	90.7 GB	83.95%	7.59 %
mail-mercury-frontend	disk-/home	187 GB	147 GB	78.84%	56.26 %
mail-europa-backend	disk-/var/spool/cyrus	151 GB	117 GB	77.59%	30.85 %
mail-europa-backend	disk-/usr	191 GB	148 GB	77.24%	97.74 %
mail-mars-frontend	disk-/	165 GB	127 GB	76.83%	-1.41 %
mail-neptune-frontend	disk-/home	134 GB	97.4 GB	72.67%	92.95 %
mail-callisto-backend	disk-/home	161 GB	116 GB	72.35%	17.63 %
mail-europa-backend	disk-/	132 GB	92.2 GB	69.83%	524.24 %
mail-venus-frontend	disk-/	129 GB	88.4 GB	68.52%	43 %
mail-saturn-frontend	disk-/usr	195 GB	129 GB	66.41%	708.68 %

Allocated space/service cat.



Key Numbers

65.63%

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

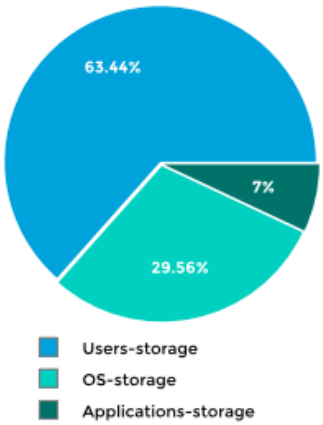
0 B

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

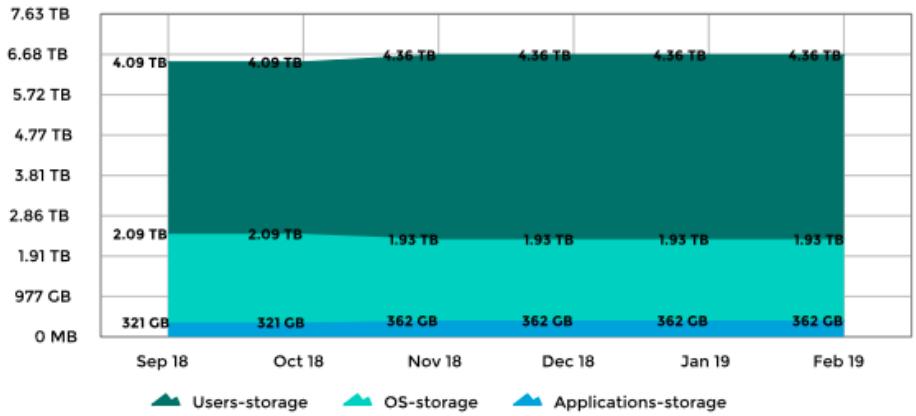
+ 39 GB

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

Used space/service cat.



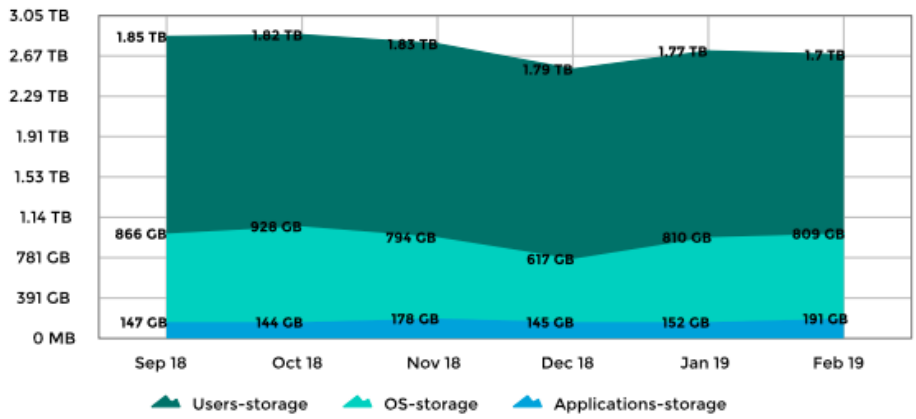
Allocated space evolution by service categories



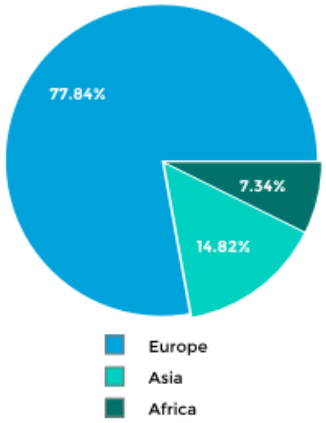
Detailed statistics by service categories

	Allocated			Used		
Services Categories	Allocated	% allocated	Evolution	Used	% used	Evolution
OS-storage	1.93 TB	29.05%	0% (0 B)	809 GB	40.93%	-0.12% (-1024 MB)
Users-storage	4.36 TB	65.63%	0% (0 B)	1.7 TB	38.88%	-4.32% (-78.4 GB)
Applications-storage	362 GB	5.32%	0% (0 B)	191 GB	52.89%	25.6% (39 GB)
Global statistics	**6.64 TB**		**0% (0 B)**	**2.67 TB**	**40.22%**	**-1.45% (-40.3 GB)**

Used space evolution by service category



Allocated space/host cat.



Key Numbers

77.84%

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

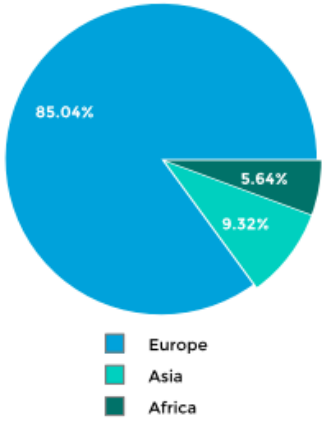
0 B

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

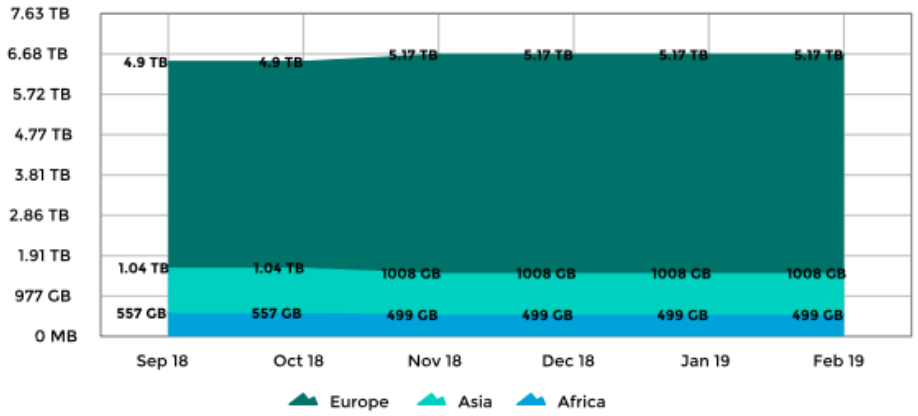
+ 279 GB

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

Used space/host cat.



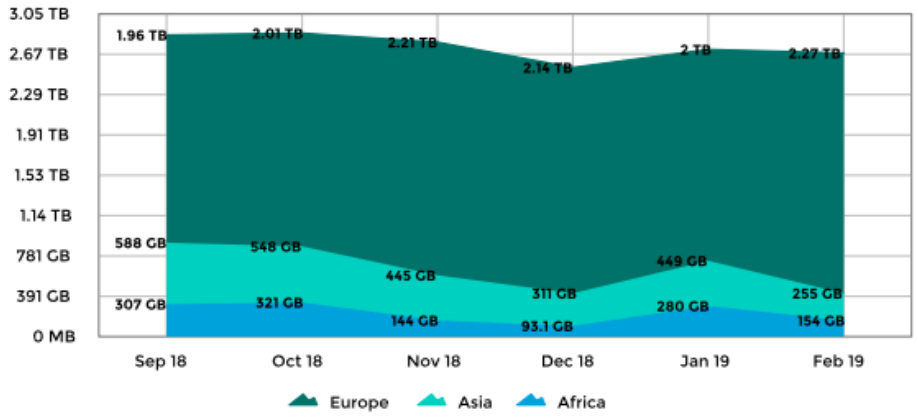
Allocated space evolution by host categories



Detailed statistics by host category

	Allocated			Used		
Host Categories	Allocated	% allocated	Evolution	Used	% used	Evolution
Asia	1008 GB	14.82%	0% (0 B)	255 GB	25.29%	-43.19% (-194 GB)
Europe	5.17 TB	77.84%	0% (0 B)	2.27 TB	43.94%	13.64% (279 GB)
Africa	499 GB	7.34%	0% (0 B)	154 GB	30.93%	-44.89% (-126 GB)
Global statistics	**6.64 TB**		**0% (0 B)**	**2.67 TB**	**40.22%**	**-1.45% (-40.3 GB)**

Used space evolution by host category



Space allocated/used by partition

		Allocation		Occupation			
Resource	Partition	Allocated	Evolution	Used	% used	Evolution	Time before saturation
srv-oracle-users	disk-/	18 GB	0 %(0 B)	43.5 MB	0.24%	-93.65 % (-641 MB)	-
mail-callisto-backend	disk-/usr	185 GB	0 %(0 B)	51.6 GB	27.91%	-9.06 % (-5.14 GB)	-
mail-jupiter-frontend	disk-/usr	193 GB	0 %(0 B)	33.7 GB	17.47%	-17.4 % (-7.1 GB)	-
mail-mars-frontend	disk-/	165 GB	0 %(0 B)	127 GB	76.83%	-1.41 % (-1.81 GB)	-
srv-mysql-02	disk-/usr	46 GB	0 %(0 B)	6.15 GB	13.37%	-23.58 % (-1.9 GB)	-
mail-sun-master	disk-/home	194 GB	0 %(0 B)	52.1 GB	26.84%	-12.57 % (-7.49 GB)	-
mail-venus-frontend	disk-/home	122 GB	0 %(0 B)	3.32 GB	2.72%	-67.74 % (-6.98 GB)	-
mail-titan-gateway	disk-/	85 GB	0 %(0 B)	17 GB	19.99%	-26.08 % (-5.99 GB)	-
mail-callisto-backend	disk-/	115 GB	0 %(0 B)	40 GB	34.79%	-15.6 % (-7.39 GB)	-
mail-saturn-frontend	disk-/	123 GB	0 %(0 B)	43.1 GB	35.00%	-17.71 % (-9.26 GB)	-
srv-oracle-users	disk-/usr	141 GB	0 %(0 B)	633 MB	0.44%	-97.35 % (-22.8 GB)	-
mail-ganymede-backend	disk-/var/spool/cyrus	48 GB	0 %(0 B)	6.21 GB	12.93%	-53.32 % (-7.09 GB)	-
mail-titan-gateway	disk-/usr	123 GB	0 %(0 B)	20.1 GB	16.31%	-46.94 % (-17.7 GB)	-
srv-mysql-01	disk-/	142 GB	0 %(0 B)	44.8 GB	31.52%	-29.78 % (-19 GB)	-
srv-oracle-users	disk-/home	109 GB	0 %(0 B)	-665 MB	-0.60%	-102.8 % (-23.9 GB)	-
mail-mars-frontend	disk-/home	58 GB	0 %(0 B)	32.9 GB	56.80%	-15.32 % (-5.96 GB)	-
srv-mysql-02	disk-/home	159 GB	0 %(0 B)	76.2 GB	47.89%	-25.86 % (-26.6 GB)	-
srv-oracle-accounting	disk-/usr	170 GB	0 %(0 B)	51.7 GB	30.43%	-42.53 % (-38.3 GB)	-
mail-io-backend	disk-/home	29 GB	0 %(0 B)	29.1 MB	0.10%	-99.72 % (-10 GB)	-
mail-neptune-frontend	disk-/usr	20 GB	0 %(0 B)	7.66 GB	38.32%	-37.98 % (-4.69 GB)	-
mail-mercury-frontend	disk-/usr	170 GB	0 %(0 B)	26 GB	15.31%	-68.74 % (-57.2 GB)	-
srv-oracle-crm	disk-/home	115 GB	0 %(0 B)	53.5 GB	46.49%	-31.27 % (-24.3 GB)	-
mail-titan-gateway	disk-/home	8 GB	0 %(0 B)	1.97 GB	24.59%	-57 % (-2.61 GB)	-
mail-jupiter-frontend	disk-/home	149 GB	0 %(0 B)	39.4 GB	26.48%	-58.14 % (-54.8 GB)	-
mail-earth-frontend	disk-/usr	79 GB	0 %(0 B)	27.7 GB	35.12%	-49.15 % (-26.8 GB)	-
mail-sun-master	disk-/	134 GB	0 %(0 B)	18.6 GB	13.86%	-76.94 % (-62 GB)	-
mail-ganymede-backend	disk-/	45 GB	0 %(0 B)	12.1 GB	26.95%	-59.2 % (-17.6 GB)	-
mail-uranus-frontend	disk-/home	192 GB	0 %(0 B)	86.3 GB	44.96%	-39.84 % (-57.2 GB)	-
srv-oracle-crm	disk-/	75 GB	0 %(0 B)	4.15 GB	5.53%	-90.75 % (-40.7 GB)	-
srv-mysql-01	disk-/home	290 GB	0 %(0 B)	62.5 GB	21.54%	-68.56 % (-136 GB)	-
srv-oracle-accounting	disk-/	192 GB	0 %(0 B)	87.7 GB	45.67%	-42.66 % (-65.2 GB)	-
srv-oracle-crm	disk-/usr	6 GB	0 %(0 B)	503 MB	8.19%	-89.2 % (-4.06 GB)	-
mail-europa-backend	disk-/	132 GB	0 %(0 B)	92.2 GB	69.83%	524.24 % (77.4 GB)	15 day(s)
mail-saturn-frontend	disk-/usr	195 GB	0 %(0 B)	129 GB	66.41%	708.68 % (113 GB)	17 day(s)
mail-europa-backend	disk-/usr	191 GB	0 %(0 B)	148 GB	77.24%	97.74 % (72.9 GB)	17 day(s)
mail-mercury-frontend	disk-/home	187 GB	0 %(0 B)	147 GB	78.84%	56.26 % (53.1 GB)	21 day(s)
mail-neptune-frontend	disk-/home	134 GB	0 %(0 B)	97.4 GB	72.67%	92.95 % (46.9 GB)	22 day(s)
mail-earth-frontend	disk-/home	18 GB	0 %(0 B)	9.87 GB	54.85%	6570.29 % (9.72 GB)	24 day(s)
mail-earth-frontend	disk-/	12 GB	0 %(0 B)	6.29 GB	52.44%	1661.35 % (5.94 GB)	27 day(s)
mail-europa-backend	disk-/var/spool/cyrus	151 GB	0 %(0 B)	117 GB	77.59%	30.85 % (27.6 GB)	35 day(s)
mail-uranus-frontend	disk-/	169 GB	0 %(0 B)	102 GB	60.13%	98.54 % (50.4 GB)	38 day(s)
mail-neptune-frontend	disk-/	8 GB	0 %(0 B)	4.05 GB	50.57%	280.55 % (2.98 GB)	38 day(s)
mail-venus-frontend	disk-/	129 GB	0 %(0 B)	88.4 GB	68.52%	43 % (26.6 GB)	43 day(s)
mail-ganymede-backend	disk-/home	112 GB	0 %(0 B)	59 GB	52.69%	118.36 % (32 GB)	47 day(s)
mail-venus-frontend	disk-/usr	139 GB	0 %(0 B)	54.5 GB	39.17%	477.31 % (45 GB)	53 day(s)
mail-io-backend	disk-/usr	199 GB	0 %(0 B)	108 GB	54.31%	77.41 % (47.2 GB)	54 day(s)
srv-mysql-02	disk-/	36 GB	0 %(0 B)	18.2 GB	50.67%	72.95 % (7.69 GB)	65 day(s)
mail-io-backend	disk-/	84 GB	0 %(0 B)	38 GB	45.23%	105.97 % (19.5 GB)	66 day(s)
mail-io-backend	disk-/var/spool/cyrus	87 GB	0 %(0 B)	51.8 GB	59.53%	40.88 % (15 GB)	66 day(s)
mail-mercury-frontend	disk-/	113 GB	0 %(0 B)	36.3 GB	32.14%	578.59 % (31 GB)	70 day(s)
mail-callisto-backend	disk-/home	161 GB	0 %(0 B)	116 GB	72.35%	17.63 % (17.5 GB)	72 day(s)
mail-sun-master	disk-/usr	108 GB	0 %(0 B)	90.7 GB	83.95%	7.59 % (6.4 GB)	76 day(s)
mail-mars-frontend	disk-/usr	29 GB	0 %(0 B)	14.9 GB	51.54%	46.57 % (4.75 GB)	83 day(s)
srv-mysql-01	disk-/usr	56 GB	0 %(0 B)	36.3 GB	64.81%	12.67 % (4.08 GB)	3+ months
mail-uranus-frontend	disk-/usr	83 GB	0 %(0 B)	36.7 GB	44.23%	15.83 % (5.02 GB)	3+ months
mail-callisto-backend	disk-/var/spool/cyrus	76 GB	0 %(0 B)	16.3 GB	21.45%	27 % (3.47 GB)	3+ months
mail-jupiter-frontend	disk-/	199 GB	0 %(0 B)	29.5 GB	14.85%	31.32 % (7.05 GB)	3+ months
mail-saturn-frontend	disk-/home	16 GB	0 %(0 B)	6.53 GB	40.82%	5.83 % (368 MB)	3+ months
mail-ganymede-backend	disk-/usr	7 GB	0 %(0 B)	743 MB	10.37%	42.1 % (220 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.

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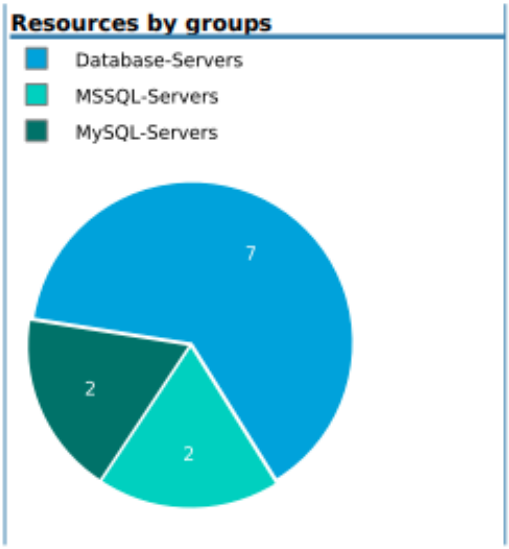
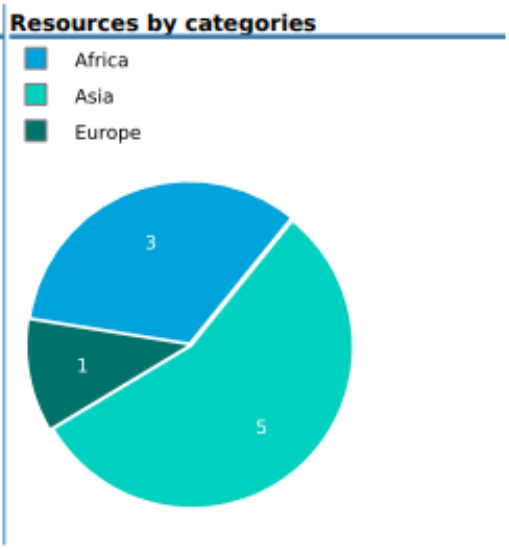
Resources rationalization

Time period : 24x7

Resources by groups



Resources by categories



01 February 19
01 March 19

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

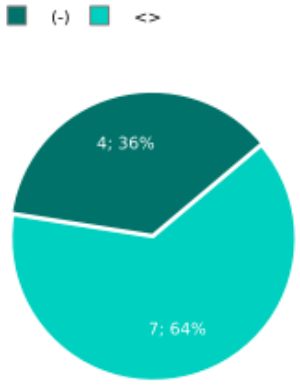
Stable host <>

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.

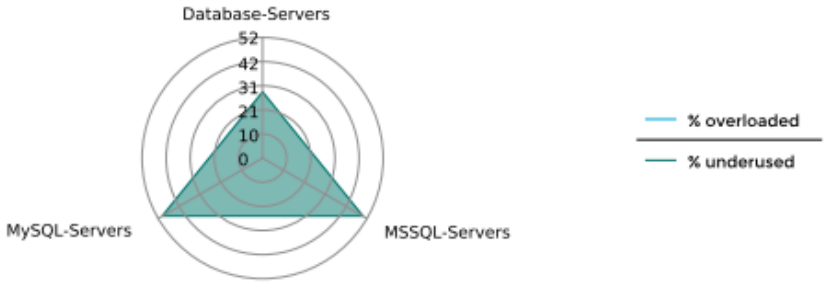
+ 0.00%

of underused hosts compared to previous period.

-

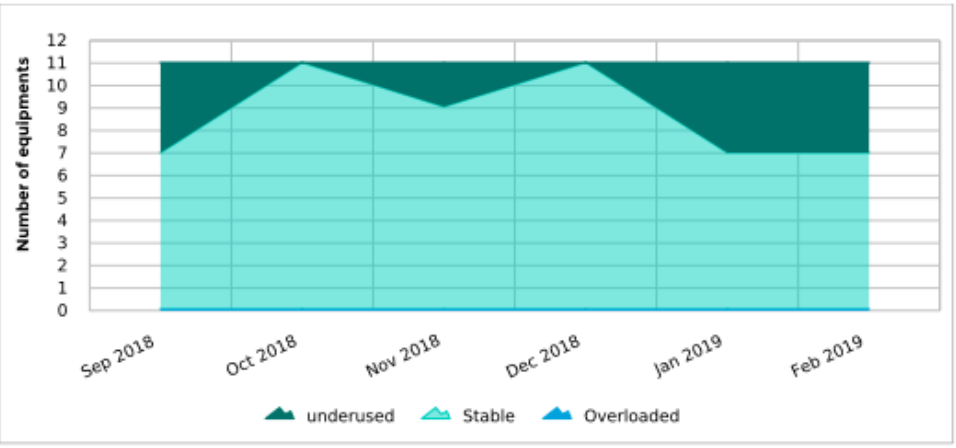
The number of hosts has not evolved compared to previous period.

Number of overloaded/underused/stable hosts by groups



Groups	Hosts					
	Total	underused		Overloaded		Stable	
Database-Servers	7	28.57%	(2)	0.00%	(0)	71.43%	(5)
MSSQL-Servers	2	50.00%	(1)	0.00%	(0)	50.00%	(1)
MySQL-Servers	2	50.00%	(1)	0.00%	(0)	50.00%	(1)
Global Statistics	**11**	**36.36%**	**(4)**	**0.00%**	**(0)**	**63.64%**	**(7)**

Overloaded/underused/stable hosts evolution

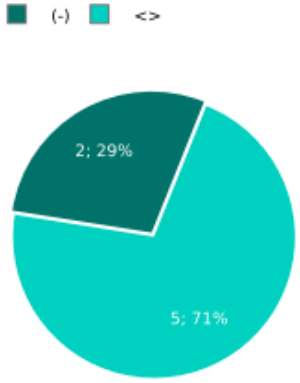


	2018			
	September	October	November	December
(-)	36.36% (4)	0.00%	18.18% (2)	0.00%
<>	63.64% (7)	100.00% (11)	81.82% (9)	100.00% (11)

	2018	2019	
	December	January	February
(-)	0.00%	36.36% (4)	36.36% (4)
<>	100.00% (11)	63.64% (7)	63.64% (7)

Database-Servers

Host distribution



Overloaded hosts

Overloaded hosts of this group represent

0.00%

of all host groups

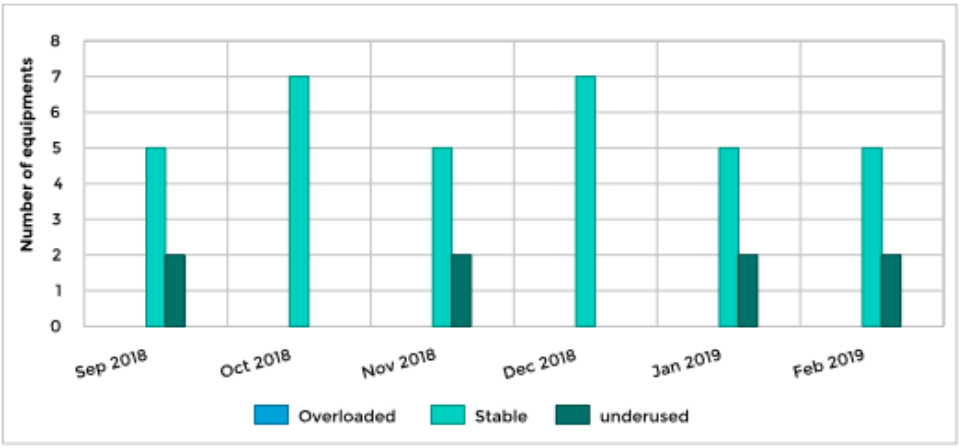
Underused hosts

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-mssql-02	39.54	7.16
srv-mysql-02	39.80	8.17

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 **Firewall**

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Performance data by metric

					Value				Threshold	
Host cat.	Hosts	Service cat.	Service	Metric	Average	Min value	Max reached	Max reachable	Warning	Critical
Asia	fw-hongkong	Traffic	traffic-external	traffic_in	3.48	0.01	15.26	100000000		
Asia	fw-hongkong	Traffic	traffic-external	traffic_out	3.39	0.00	14.58	100000000		
Asia	fw-hongkong	Traffic	traffic-internal	traffic_in	0.34	0.00	1.54	1000000000		
Asia	fw-hongkong	Traffic	traffic-internal	traffic_out	0.33	0.00	1.50	1000000000		
Asia	fw-tokyo	Traffic	traffic-external	traffic_in	3.52	0.01	15.50	100000000		
Asia	fw-tokyo	Traffic	traffic-external	traffic_out	3.46	0.01	15.29	100000000		
Asia	fw-tokyo	Traffic	traffic-internal	traffic_in	0.35	0.00	1.56	1000000000		
Asia	fw-tokyo	Traffic	traffic-internal	traffic_out	0.35	0.00	1.51	1000000000		
Asia	fw-beijing	Traffic	traffic-external	traffic_in	3.46	0.01	15.56	100000000		
Asia	fw-beijing	Traffic	traffic-external	traffic_out	3.35	0.00	14.62	100000000		
Asia	fw-beijing	Traffic	traffic-internal	traffic_in	0.36	0.00	1.52	1000000000		
Asia	fw-beijing	Traffic	traffic-internal	traffic_out	0.36	0.00	1.56	1000000000		
Europe	fw-berlin	Traffic	traffic-external	traffic_in	3.54	0.00	15.47	100000000		
Europe	fw-berlin	Traffic	traffic-external	traffic_out	3.42	0.01	14.89	100000000		
Europe	fw-berlin	Traffic	traffic-internal	traffic_in	0.33	0.00	1.47	1000000000		
Europe	fw-berlin	Traffic	traffic-internal	traffic_out	0.35	0.00	1.47	1000000000		
Europe	fw-paris	Traffic	traffic-external	traffic_in	7.18	0.01	31.49	100000000		
Europe	fw-paris	Traffic	traffic-external	traffic_out	6.94	0.01	29.91	100000000		
Europe	fw-paris	Traffic	traffic-internal	traffic_in	0.36	0.00	1.53	1000000000		
Europe	fw-paris	Traffic	traffic-internal	traffic_out	0.35	0.00	1.47	1000000000		
Europe	fw-moscou	Traffic	traffic-external	traffic_in	6.77	0.01	30.04	100000000		
Europe	fw-moscou	Traffic	traffic-external	traffic_out	7.13	0.01	30.68	100000000		

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.

Global performance analysis by category

centreon

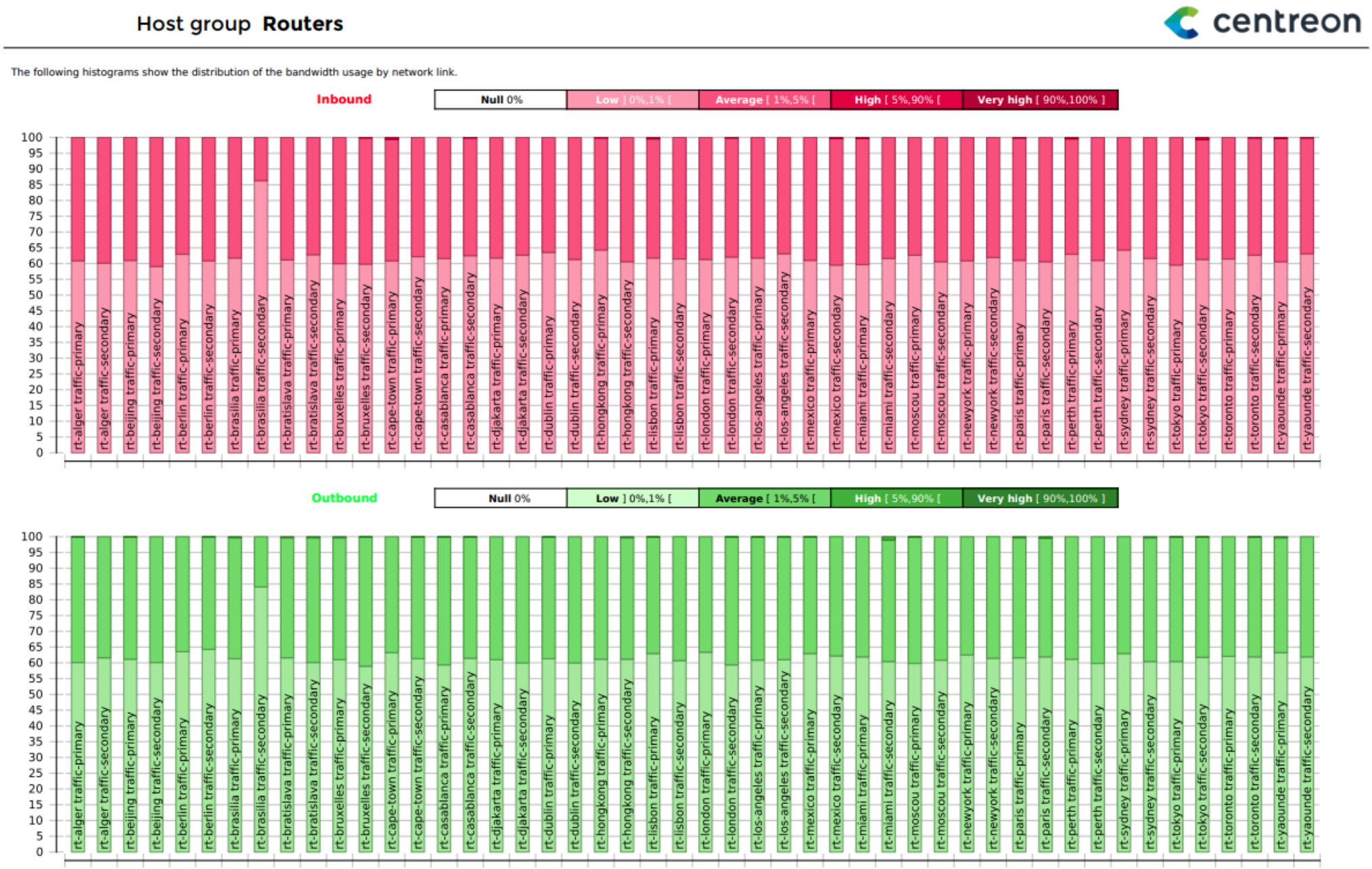
Performance average list by host groups, host categories and services categories

Groups	Host categories	Service categories	Average	Max reached	Min value
Linux-Servers	Asia	OS-storage	23920254541.71	102563000000	26279000
Linux-Servers	Asia	CPU	42.06	96.98	0.4
Linux-Servers	Asia	Load	0.93	4.32	0
Linux-Servers	Asia	Users-storage	41157985054.57	170043000000	-697707000
Linux-Servers	Europe	OS-storage	46723638492.65	213673000000	-332694000
Linux-Servers	Europe	CPU	42.13	97.41	0.13
Linux-Servers	Europe	Load	0.94	4.94	0
Linux-Servers	Europe	Users-storage	50036421289.50	213292000000	-1460440000
Linux-Servers	Europe	Applications-storage	37980474309.71	161461000000	-12694400
Linux-Servers	Africa	OS-storage	34193008973.71	102563000000	232727000
Linux-Servers	Africa	CPU	41.80	96.98	0.4
Linux-Servers	Africa	Load	0.92	4.21	0
Linux-Servers	Africa	Users-storage	34295412000.29	155497000000	-379746000
Database-Servers	Asia	OS-storage	19657446064.91	102563000000	26279000
Database-Servers	Asia	CPU	49.14	96.98	0.4
Database-Servers	Asia	Load	0.93	4.32	0
Database-Servers	Asia	Users-storage	41157985054.57	170043000000	-697707000
Database-Servers	Europe	OS-storage	30488711332.57	79942500000	703997000
Database-Servers	Europe	CPU	41.73	91.04	1.9
Database-Servers	Europe	Load	0.93	4.28	0
Database-Servers	Europe	Users-storage	30194589800.00	122121000000	-4727130
Database-Servers	Africa	OS-storage	24282932249.90	102563000000	98820800
Database-Servers	Africa	CPU	51.13	96.98	0.4
Database-Servers	Africa	Load	0.92	4.21	0
Database-Servers	Africa	Users-storage	34295412000.29	155497000000	-379746000

Network

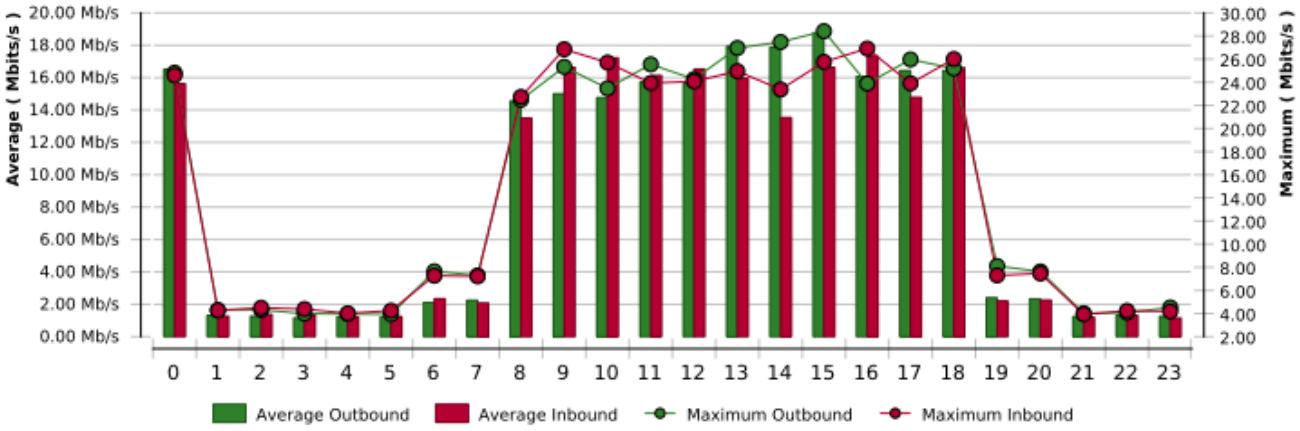
Hostgroup-Traffic-average-By-Interface

This report displays the average usage of network interfaces bandwidth for a hostgroup.

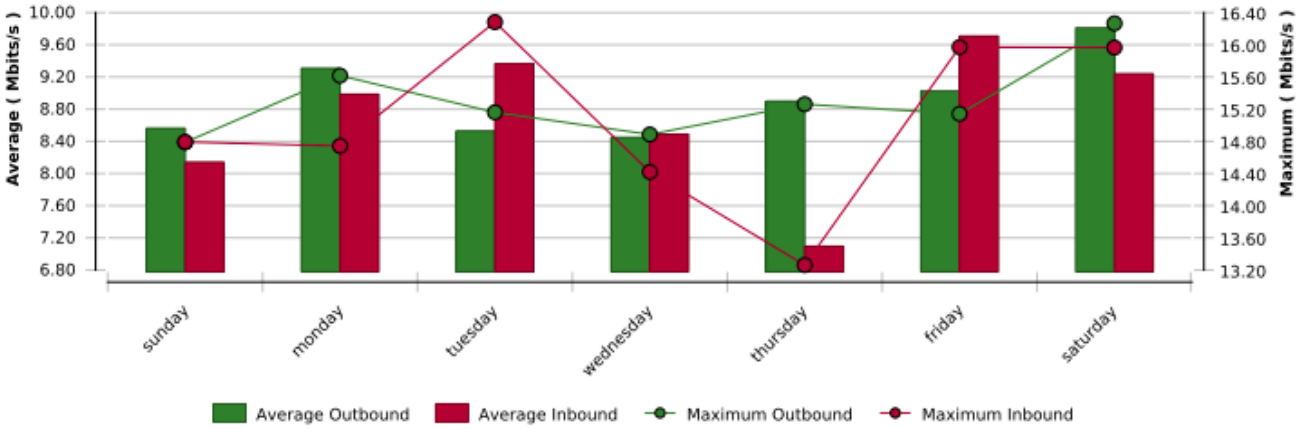


traffic-primary of rt-berlin

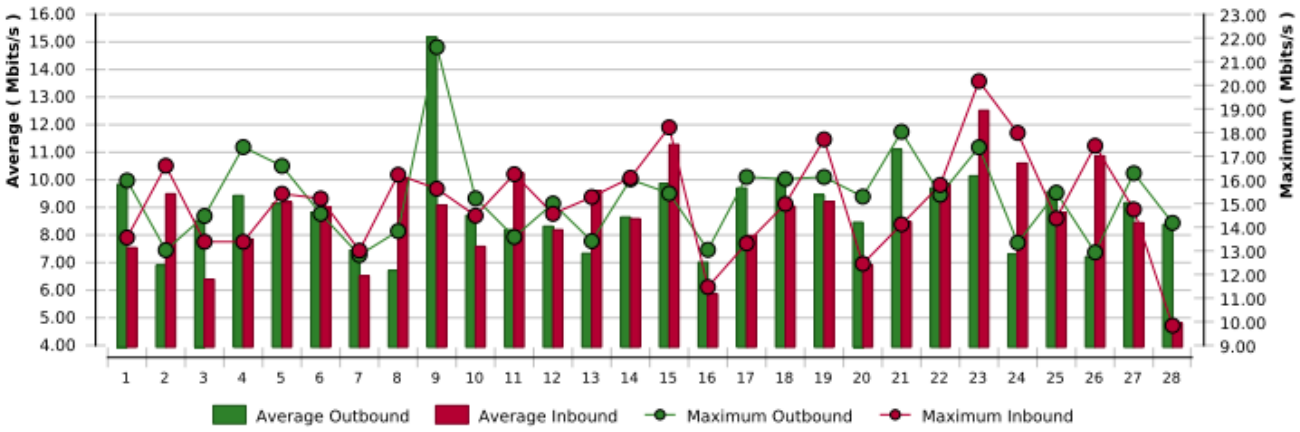
Distribution per hours on the interface



Distribution per days of week on the interface



Distribution per days of month on the interface



Hostgroup-Traffic-By-Interface-And-Bandwidth-Ranges This report shows the average bandwith

Host group **Routers**

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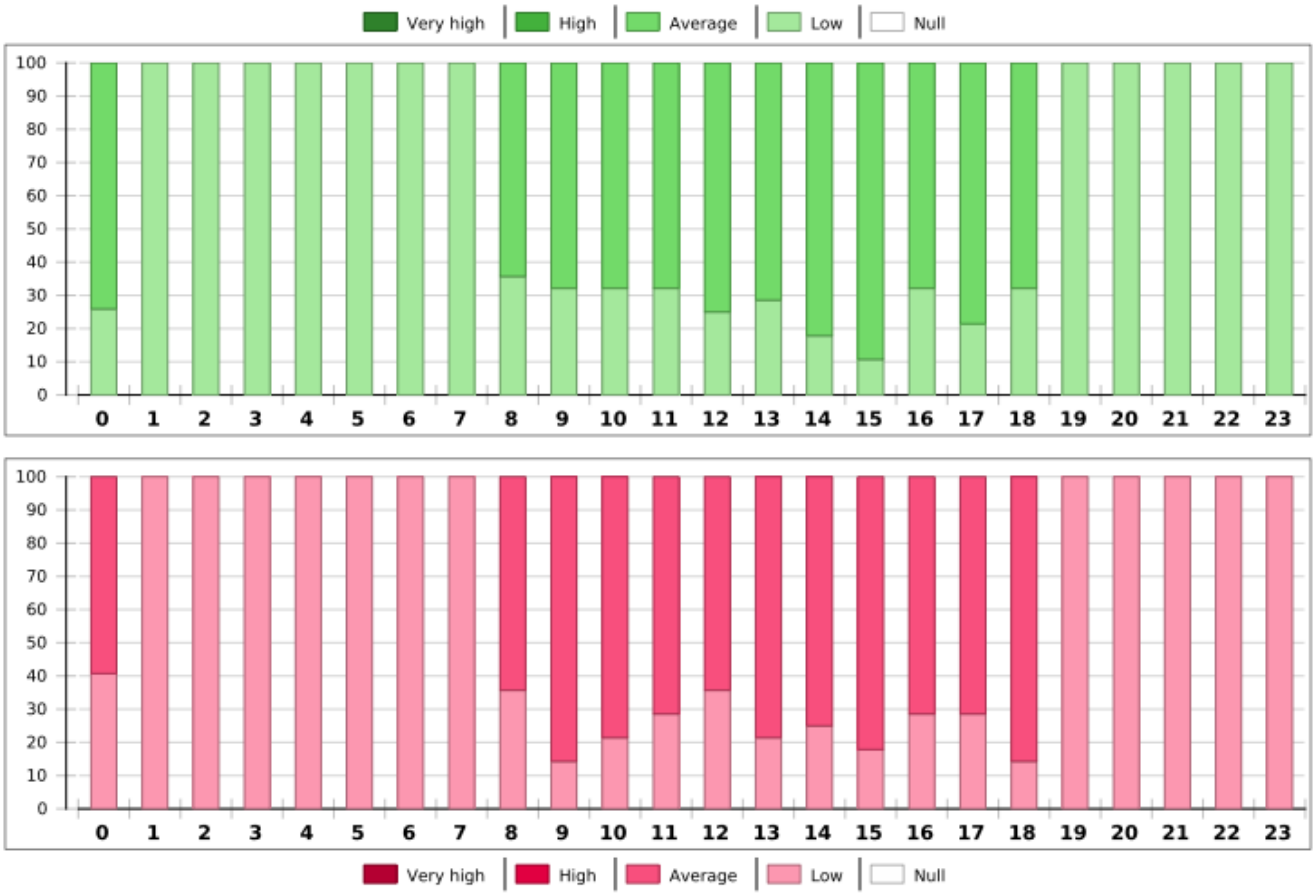
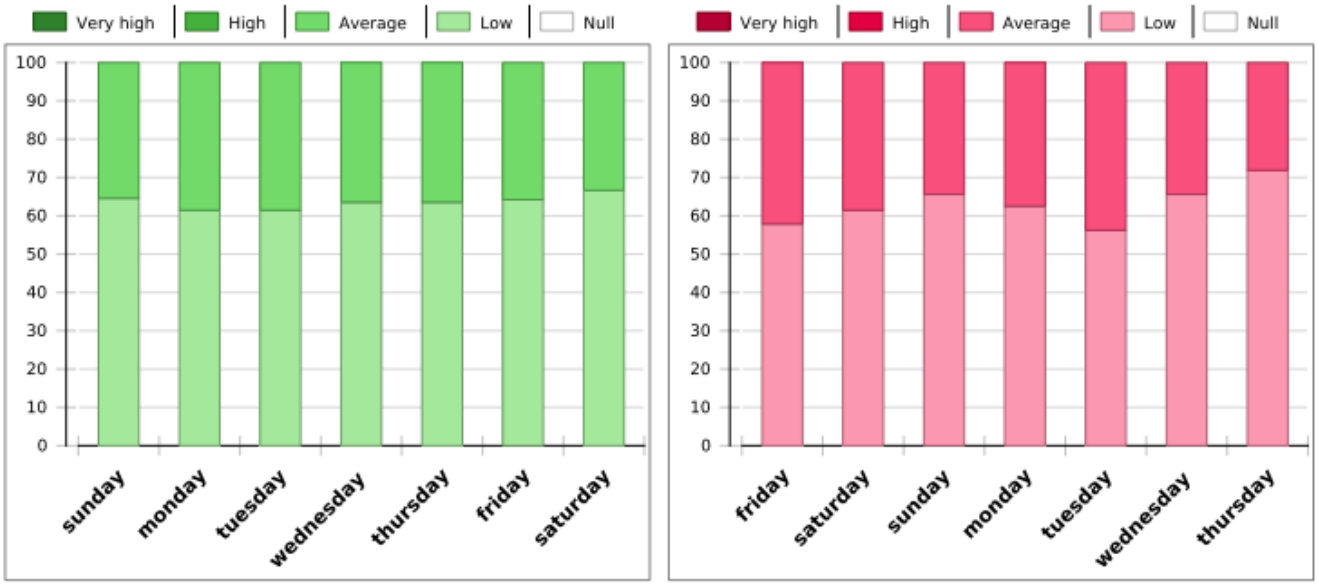
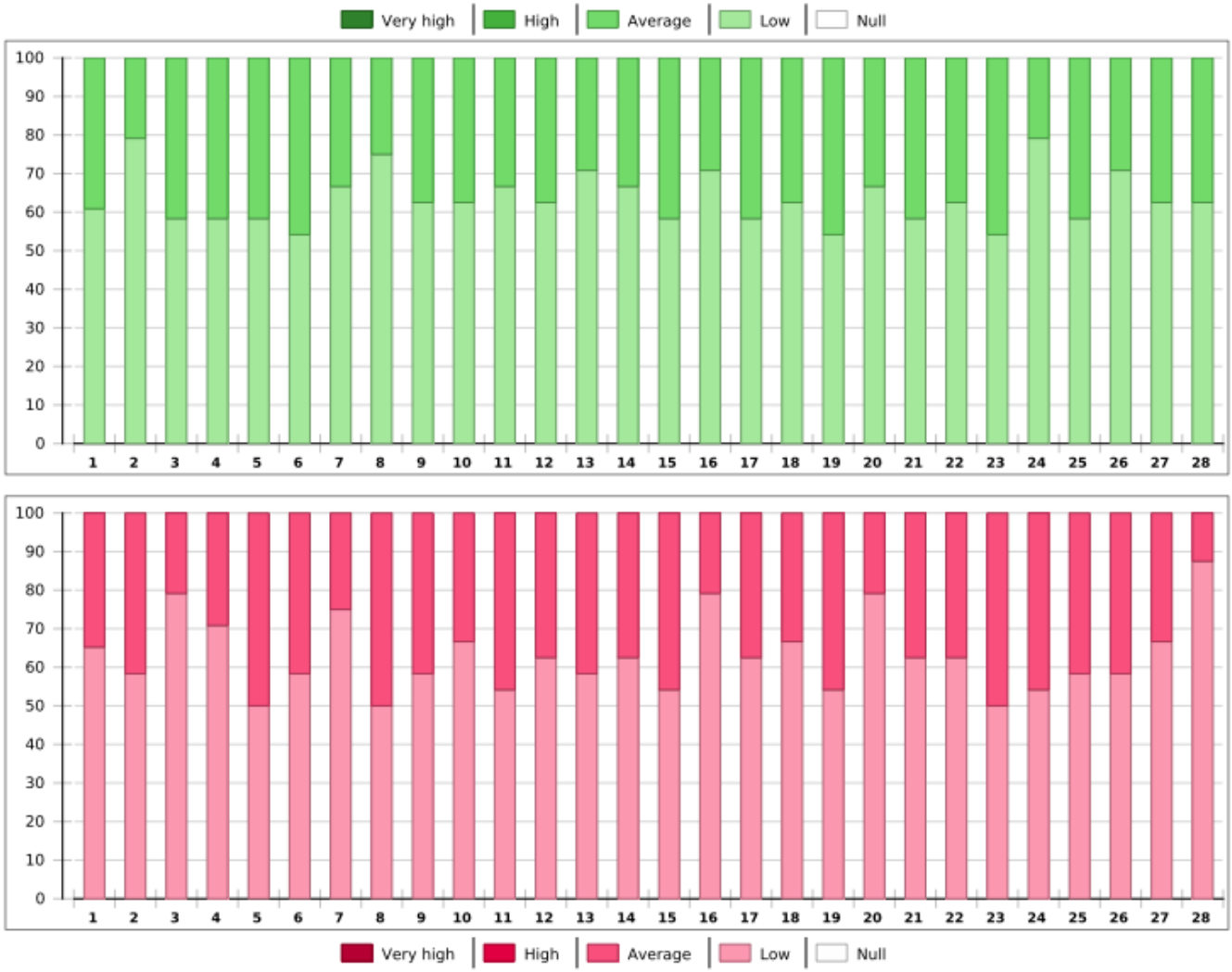
Distribution per hours on the interface traffic-primary of rt-berlin



Distribution per days of week on the interface traffic-primary of rt-berlin



Distribution per days of month on the interface traffic-primary of rt-berlin



Hostgroup-Monthly-Network-Centile

This report displays statistics about the centile and the average usage of the inbound and outbound bandwidth by interface.

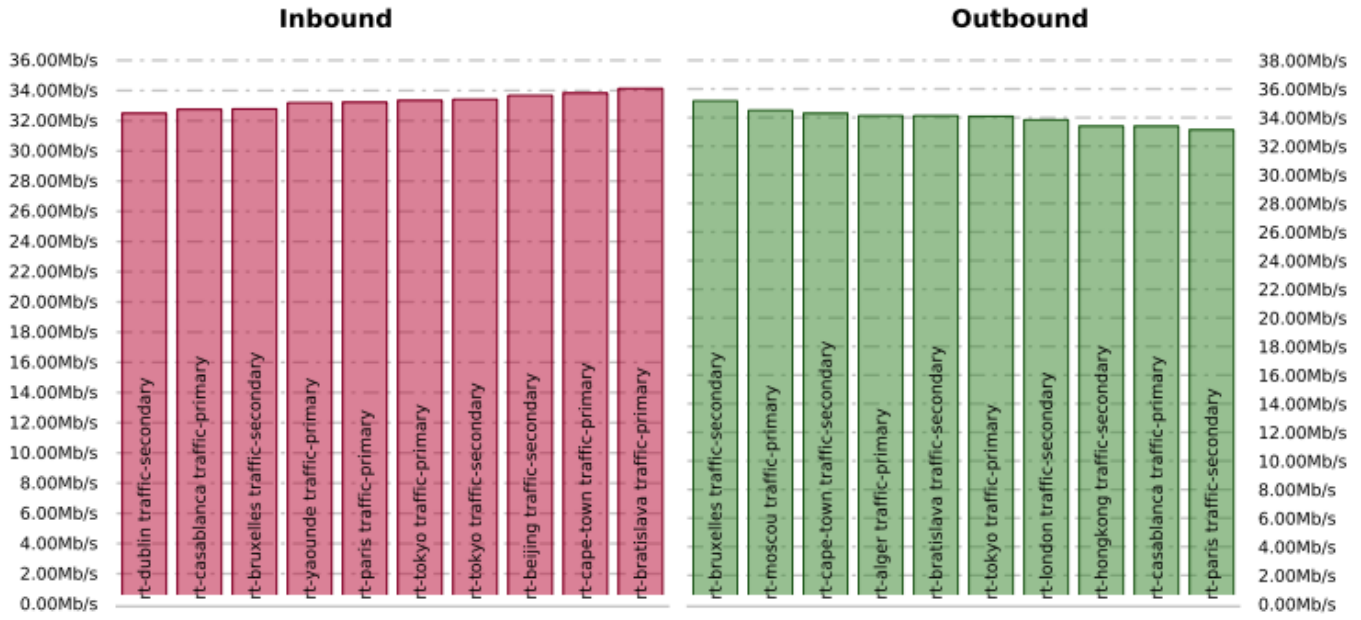
TRAFFIC REPORT
AVERAGE AND CENTILE
February 2019

centreon

NETWORKS

All the centile values are calculated for the following combination: 95.0000 (24x7)

TOP 10 CENTILE BY INTERFACE



TOP 10 OF THE MOST USED INTERFACES - INBOUND

Interface	Avg.%	Avg.	Centile	Max.reached	Max.
fw-paris traffic-external	3.59%	3.59 Mb/s	25.5 Mb/s	45.1 Mb/s	100 Mb/s
fw-lisbon traffic-external	3.41%	3.41 Mb/s	23.5 Mb/s	41.6 Mb/s	100 Mb/s
fw-london traffic-external	3.39%	3.39 Mb/s	23.8 Mb/s	36.7 Mb/s	100 Mb/s
fw-moscou traffic-external	3.38%	3.38 Mb/s	24.3 Mb/s	39.6 Mb/s	100 Mb/s
fw-cape-town traffic-external	2.88%	2.88 Mb/s	21 Mb/s	35.4 Mb/s	100 Mb/s
fw-casablanca traffic-external	1.79%	1.79 Mb/s	12.7 Mb/s	24.2 Mb/s	100 Mb/s
fw-dublin traffic-external	1.79%	1.79 Mb/s	12.4 Mb/s	21.1 Mb/s	100 Mb/s
fw-yaounde traffic-external	1.79%	1.79 Mb/s	12.8 Mb/s	20.9 Mb/s	100 Mb/s
fw-berlin traffic-external	1.77%	1.77 Mb/s	12.2 Mb/s	22.2 Mb/s	100 Mb/s
fw-alger traffic-external	1.77%	1.77 Mb/s	12.6 Mb/s	22.1 Mb/s	100 Mb/s

TOP 10 OF THE MOST USED INTERFACES - OUTBOUND

Interface	Avg.%	Avg.	Centile	Max.reached	Max.
fw-lisbon traffic-external	3.67%	3.67 Mb/s	25.3 Mb/s	52.6 Mb/s	100 Mb/s
fw-moscou traffic-external	3.57%	3.57 Mb/s	24.9 Mb/s	46.4 Mb/s	100 Mb/s
fw-paris traffic-external	3.47%	3.47 Mb/s	23.9 Mb/s	48 Mb/s	100 Mb/s
fw-london traffic-external	3.43%	3.43 Mb/s	24.6 Mb/s	51.6 Mb/s	100 Mb/s
fw-cape-town traffic-external	2.90%	2.9 Mb/s	19.6 Mb/s	31.8 Mb/s	100 Mb/s
fw-tokyo traffic-external	1.73%	1.73 Mb/s	11.9 Mb/s	18.3 Mb/s	100 Mb/s
fw-bratislava traffic-external	1.72%	1.72 Mb/s	11.7 Mb/s	25.4 Mb/s	100 Mb/s
fw-alger traffic-external	1.72%	1.72 Mb/s	11.8 Mb/s	22.7 Mb/s	100 Mb/s
fw-casablanca traffic-external	1.71%	1.71 Mb/s	11.6 Mb/s	23 Mb/s	100 Mb/s
fw-berlin traffic-external	1.71%	1.71 Mb/s	12.1 Mb/s	20.6 Mb/s	100 Mb/s

Inbound and outbound statistics for all interfaces

		Inbound				Outbound			
Interfaces	Max.	Avg.%	Avg.	Centile	Max.reached	Avg.%	Avg.	Centile	Max.reached
fw-alger traffic-external	100 Mb/s	1.77%	1.77 Mb/s	12.6 Mb/s	22.1 Mb/s	1.72%	1.72 Mb/s	11.8 Mb/s	22.7 Mb/s
fw-alger traffic-internal	1 Gb/s	0.19%	1.87 Mb/s	12.8 Mb/s	22.2 Mb/s	0.18%	1.79 Mb/s	12.4 Mb/s	26.1 Mb/s
fw-beijing traffic-external	100 Mb/s	1.73%	1.73 Mb/s	12.2 Mb/s	25.3 Mb/s	1.68%	1.68 Mb/s	11.6 Mb/s	24.9 Mb/s
fw-beijing traffic-internal	1 Gb/s	0.18%	1.79 Mb/s	12.4 Mb/s	23.1 Mb/s	0.18%	1.78 Mb/s	12.3 Mb/s	27.1 Mb/s
fw-berlin traffic-external	100 Mb/s	1.77%	1.77 Mb/s	12.2 Mb/s	22.2 Mb/s	1.71%	1.71 Mb/s	12.1 Mb/s	20.6 Mb/s
fw-berlin traffic-internal	1 Gb/s	0.17%	1.67 Mb/s	11.9 Mb/s	22.8 Mb/s	0.17%	1.73 Mb/s	12.5 Mb/s	20.1 Mb/s
fw-bratislava traffic-external	100 Mb/s	1.68%	1.68 Mb/s	11.6 Mb/s	22.4 Mb/s	1.72%	1.72 Mb/s	11.7 Mb/s	25.4 Mb/s
fw-bratislava traffic-internal	1 Gb/s	0.17%	1.72 Mb/s	11.7 Mb/s	20.4 Mb/s	0.17%	1.7 Mb/s	12.1 Mb/s	21.5 Mb/s
fw-bruxelles traffic-external	100 Mb/s	1.64%	1.64 Mb/s	11.7 Mb/s	19.5 Mb/s	1.68%	1.68 Mb/s	11.5 Mb/s	21 Mb/s
fw-bruxelles traffic-internal	1 Gb/s	0.17%	1.74 Mb/s	11.8 Mb/s	18.7 Mb/s	0.18%	1.77 Mb/s	12.2 Mb/s	22.4 Mb/s
fw-cape-town traffic-external	100 Mb/s	2.88%	2.88 Mb/s	21 Mb/s	35.4 Mb/s	2.90%	2.9 Mb/s	19.6 Mb/s	31.8 Mb/s
fw-cape-town traffic-internal	1 Gb/s	0.18%	1.76 Mb/s	12.6 Mb/s	21.3 Mb/s	0.17%	1.68 Mb/s	11.6 Mb/s	18 Mb/s
fw-casablanca traffic-external	100 Mb/s	1.79%	1.79 Mb/s	12.7 Mb/s	24.2 Mb/s	1.71%	1.71 Mb/s	11.6 Mb/s	23 Mb/s
fw-casablanca traffic-internal	1 Gb/s	0.18%	1.81 Mb/s	12.6 Mb/s	29 Mb/s	0.17%	1.71 Mb/s	11.9 Mb/s	18.6 Mb/s
fw-dublin traffic-external	100 Mb/s	1.79%	1.79 Mb/s	12.4 Mb/s	21.1 Mb/s	1.69%	1.69 Mb/s	11.9 Mb/s	18 Mb/s
fw-dublin traffic-internal	1 Gb/s	0.19%	1.9 Mb/s	13 Mb/s	21.5 Mb/s	0.17%	1.74 Mb/s	12.2 Mb/s	18.5 Mb/s
fw-hongkong traffic-external	100 Mb/s	1.74%	1.74 Mb/s	12.3 Mb/s	21.7 Mb/s	1.70%	1.7 Mb/s	11.5 Mb/s	19.3 Mb/s
fw-hongkong traffic-internal	1 Gb/s	0.17%	1.68 Mb/s	11.7 Mb/s	20.3 Mb/s	0.17%	1.67 Mb/s	12 Mb/s	19.8 Mb/s
fw-lisbon traffic-external	100 Mb/s	3.41%	3.41 Mb/s	23.5 Mb/s	41.6 Mb/s	3.67%	3.67 Mb/s	25.3 Mb/s	52.6 Mb/s
fw-lisbon traffic-internal	1 Gb/s	0.17%	1.71 Mb/s	11.9 Mb/s	20.2 Mb/s	0.18%	1.76 Mb/s	12 Mb/s	21.2 Mb/s
fw-london traffic-external	100 Mb/s	3.39%	3.39 Mb/s	23.8 Mb/s	36.7 Mb/s	3.43%	3.43 Mb/s	24.6 Mb/s	51.6 Mb/s
fw-london traffic-internal	1 Gb/s	0.17%	1.71 Mb/s	11.5 Mb/s	19.5 Mb/s	0.18%	1.81 Mb/s	12.5 Mb/s	20.5 Mb/s
fw-moscou traffic-external	100 Mb/s	3.38%	3.38 Mb/s	24.3 Mb/s	39.6 Mb/s	3.57%	3.57 Mb/s	24.9 Mb/s	46.4 Mb/s
fw-moscou traffic-internal	1 Gb/s	0.17%	1.75 Mb/s	12.7 Mb/s	23.6 Mb/s	0.17%	1.68 Mb/s	11.8 Mb/s	19.5 Mb/s
fw-paris traffic-external	100 Mb/s	3.59%	3.59 Mb/s	25.5 Mb/s	45.1 Mb/s	3.47%	3.47 Mb/s	23.9 Mb/s	48 Mb/s
fw-paris traffic-internal	1 Gb/s	0.18%	1.79 Mb/s	12.4 Mb/s	20.9 Mb/s	0.17%	1.73 Mb/s	12.2 Mb/s	22.1 Mb/s
fw-tokyo traffic-external	100 Mb/s	1.76%	1.76 Mb/s	12.4 Mb/s	21.8 Mb/s	1.73%	1.73 Mb/s	11.9 Mb/s	18.3 Mb/s
fw-tokyo traffic-internal	1 Gb/s	0.17%	1.73 Mb/s	12.5 Mb/s	20.6 Mb/s	0.18%	1.75 Mb/s	12.3 Mb/s	23.6 Mb/s
fw-yaounde traffic-external	100 Mb/s	1.79%	1.79 Mb/s	12.8 Mb/s	20.9 Mb/s	1.67%	1.67 Mb/s	12 Mb/s	21 Mb/s
fw-yaounde traffic-internal	1 Gb/s	0.18%	1.75 Mb/s	12.4 Mb/s	22.7 Mb/s	0.16%	1.64 Mb/s	11.5 Mb/s	22.2 Mb/s
rt-alger traffic-primary	1 Gb/s	0.45%	4.46 Mb/s	30.5 Mb/s	55.7 Mb/s	0.49%	4.9 Mb/s	34.1 Mb/s	56.8 Mb/s
rt-alger traffic-secondary	1 Gb/s	0.48%	4.77 Mb/s	32.5 Mb/s	52.6 Mb/s	0.45%	4.45 Mb/s	31.8 Mb/s	45.6 Mb/s
rt-beijing traffic-primary	1 Gb/s	0.46%	4.64 Mb/s	31.7 Mb/s	58.3 Mb/s	0.46%	4.64 Mb/s	32.5 Mb/s	57.4 Mb/s
rt-beijing traffic-secondary	1 Gb/s	0.50%	4.96 Mb/s	33.7 Mb/s	55.3 Mb/s	0.47%	4.7 Mb/s	32 Mb/s	57.9 Mb/s
rt-berlin traffic-primary	1 Gb/s	0.44%	4.37 Mb/s	30.5 Mb/s	53.1 Mb/s	0.45%	4.48 Mb/s	31.1 Mb/s	58.8 Mb/s
rt-berlin traffic-secondary	1 Gb/s	0.45%	4.51 Mb/s	30.8 Mb/s	55.8 Mb/s	0.43%	4.34 Mb/s	30.3 Mb/s	61.8 Mb/s
rt-bratislava traffic-primary	1 Gb/s	0.47%	4.67 Mb/s	34.1 Mb/s	57 Mb/s	0.45%	4.46 Mb/s	31.4 Mb/s	62.9 Mb/s
rt-bratislava traffic-secondary	1 Gb/s	0.44%	4.37 Mb/s	31 Mb/s	49.5 Mb/s	0.50%	4.95 Mb/s	34.1 Mb/s	62.2 Mb/s
rt-bruxelles traffic-primary	1 Gb/s	0.45%	4.45 Mb/s	30.3 Mb/s	48.2 Mb/s	0.47%	4.74 Mb/s	33 Mb/s	57.5 Mb/s
rt-bruxelles traffic-secondary	1 Gb/s	0.47%	4.65 Mb/s	32.8 Mb/s	59.7 Mb/s	0.51%	5.15 Mb/s	35.2 Mb/s	58.2 Mb/s
rt-cape-town traffic-primary	1 Gb/s	0.49%	4.85 Mb/s	33.8 Mb/s	70.1 Mb/s	0.44%	4.41 Mb/s	30.1 Mb/s	46 Mb/s
rt-cape-town traffic-secondary	1 Gb/s	0.45%	4.52 Mb/s	31.4 Mb/s	50.2 Mb/s	0.49%	4.87 Mb/s	34.3 Mb/s	56.6 Mb/s
rt-casablanca traffic-primary	1 Gb/s	0.46%	4.64 Mb/s	32.7 Mb/s	51.4 Mb/s	0.50%	4.98 Mb/s	33.4 Mb/s	58 Mb/s
rt-casablanca traffic-secondary	1 Gb/s	0.44%	4.38 Mb/s	29.9 Mb/s	55.9 Mb/s	0.45%	4.48 Mb/s	31.7 Mb/s	59 Mb/s
rt-dublin traffic-primary	1 Gb/s	0.44%	4.36 Mb/s	29.8 Mb/s	52.9 Mb/s	0.46%	4.59 Mb/s	31.5 Mb/s	57.5 Mb/s
rt-dublin traffic-secondary	1 Gb/s	0.46%	4.59 Mb/s	32.5 Mb/s	55.1 Mb/s	0.47%	4.67 Mb/s	32.1 Mb/s	52 Mb/s
rt-hongkong traffic-primary	1 Gb/s	0.43%	4.25 Mb/s	30.2 Mb/s	59.9 Mb/s	0.47%	4.68 Mb/s	32.6 Mb/s	50.9 Mb/s
rt-hongkong traffic-secondary	1 Gb/s	0.46%	4.59 Mb/s	31.2 Mb/s	51.3 Mb/s	0.48%	4.84 Mb/s	33.4 Mb/s	63.7 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-mssql-01

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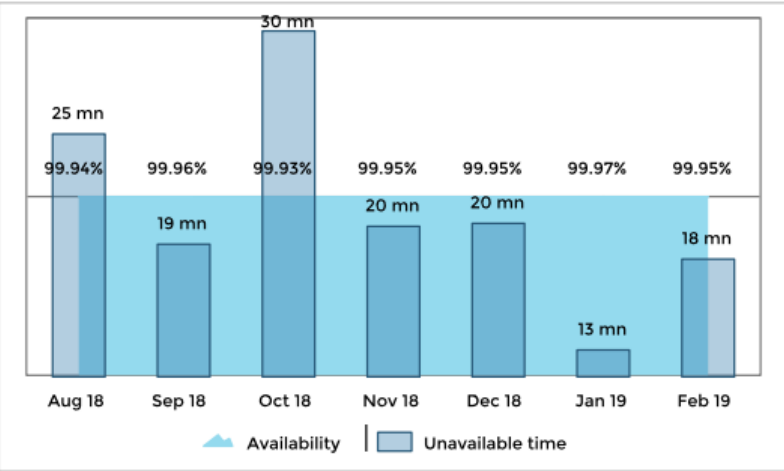
Host availability evolution



Current month

% of availability

99.95%

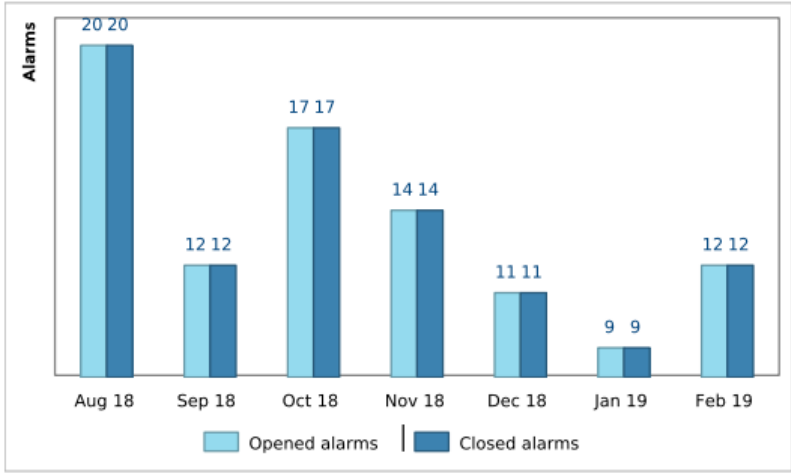
Unavailable time

18 mn

Unknown time

-

Host exception events evolution



55 h 58 mn is the average time between two events

1 mn is the average events resolution time

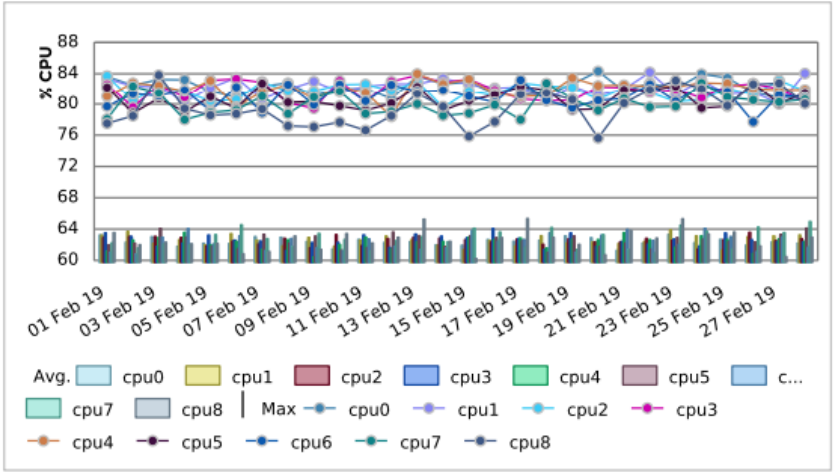
12 events have been opened

12 events have been closed

Host availability evolution detailed

	Aug 18		Sep 18		Oct 18		Nov 18		Dec 18		Jan 19		Feb 19	
	Value	Trend	Value	Trend	Value	Trend	Value	Trend	Value	Trend	Value	Trend	Value	Trend
% of availability	99.94%	0.00%	99.96%	0.01%	99.93%	-0.03%	99.95%	0.02%	99.95%	0.00%	99.97%	0.02%	99.95%	-0.02%
Unavailable time	25 mn	4.86%	19 mn	-24.50%	30 mn	62.81%	20 mn	-35.34%	20 mn	0.83%	13 mn	-35.12%	18 mn	38.85%
Unknown time	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MTRS	1 mn	-21.35%	1 mn	25.83%	1 mn	14.92%	1 mn	-21.49%	1 mn	28.33%	1 mn	-20.71%	1 mn	4.14%
MTBF	37 h 10 mn	-25.00%	59 h 58 mn	61.31%	43 h 44 mn	-27.08%	51 h 24 mn	17.54%	67 h 36 mn	31.52%	82 h 38 mn	22.24%	55 h 58 mn	-32.27%
Opened alarms	20	5	12	-8	17	5	14	-3	11	-3	9	-2	12	3
Closed alarms	20	5	12	-8	17	5	14	-3	11	-3	9	-2	12	3

CPU evolution within the reporting period



Current Month

Average CPU usage

62.54%

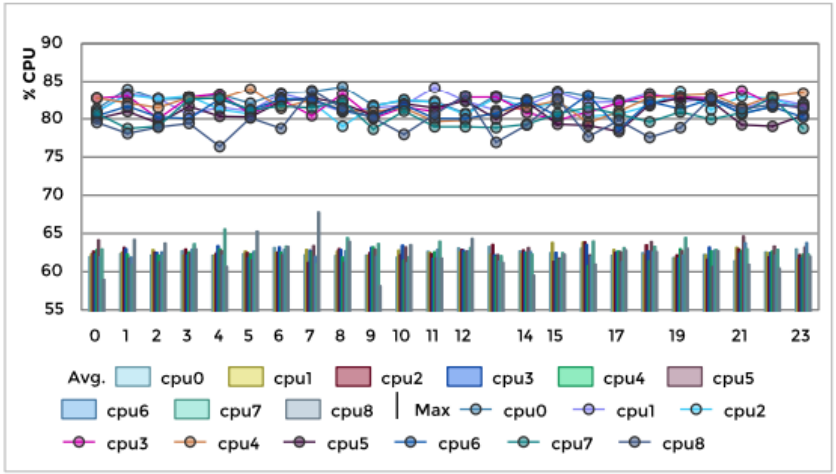
Value of deviation :

0.819

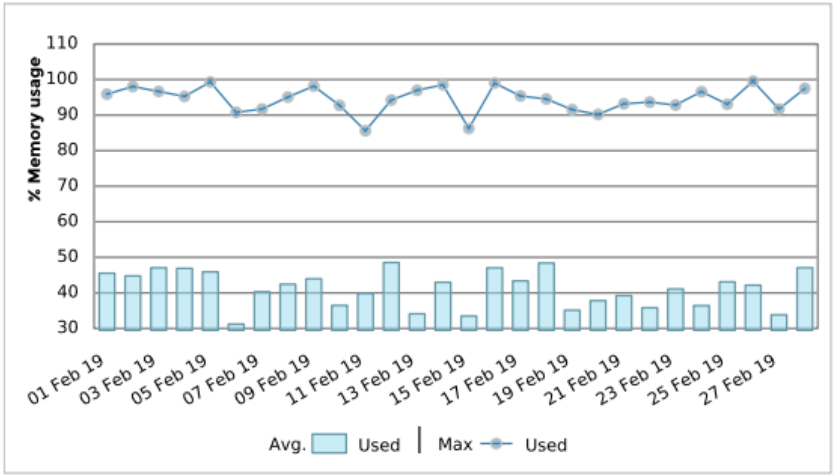
Max value reached by the CPU :

84.31%

CPU evolution by hour of the day



Memory evolution within the reporting period



Current Month

Average memory usage

41.22%

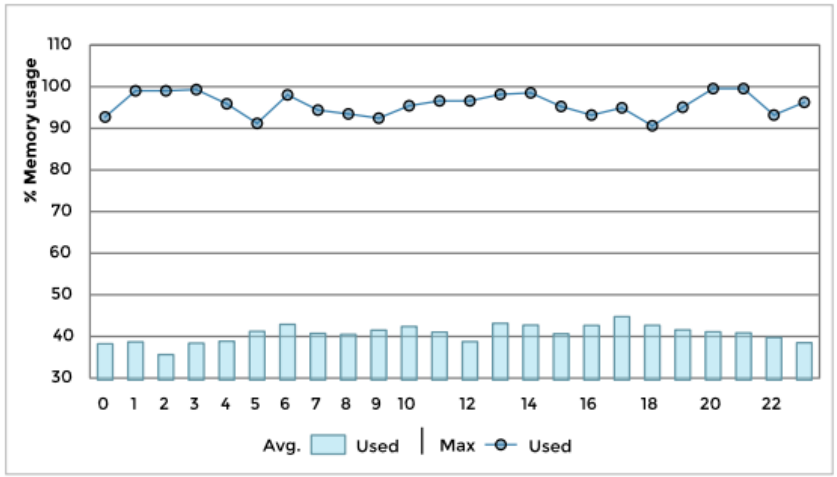
Value of deviation :

5.03

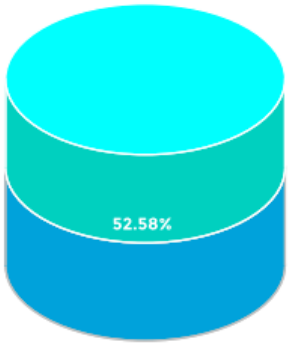
Max value reached by the memory :

99.55%

Memory evolution by hour of the day



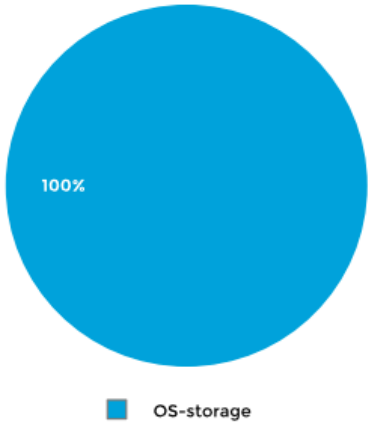
Global information



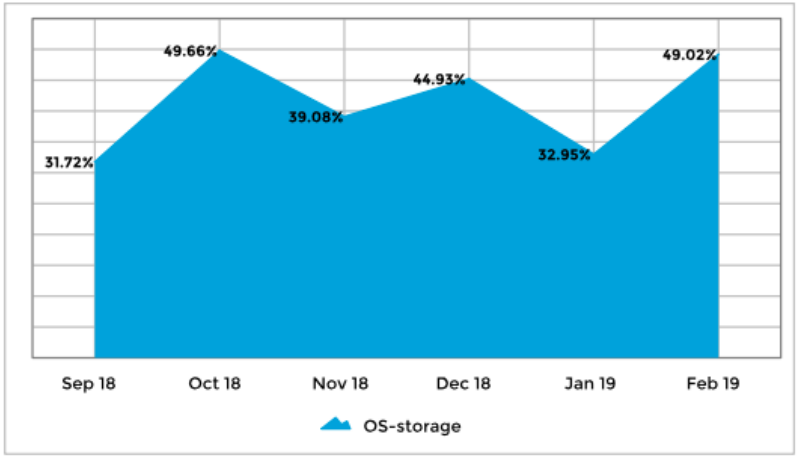
9 GB
of allocated space

4.73 GB
of used space

Allocated space/service cat.



Used space evolution by service category

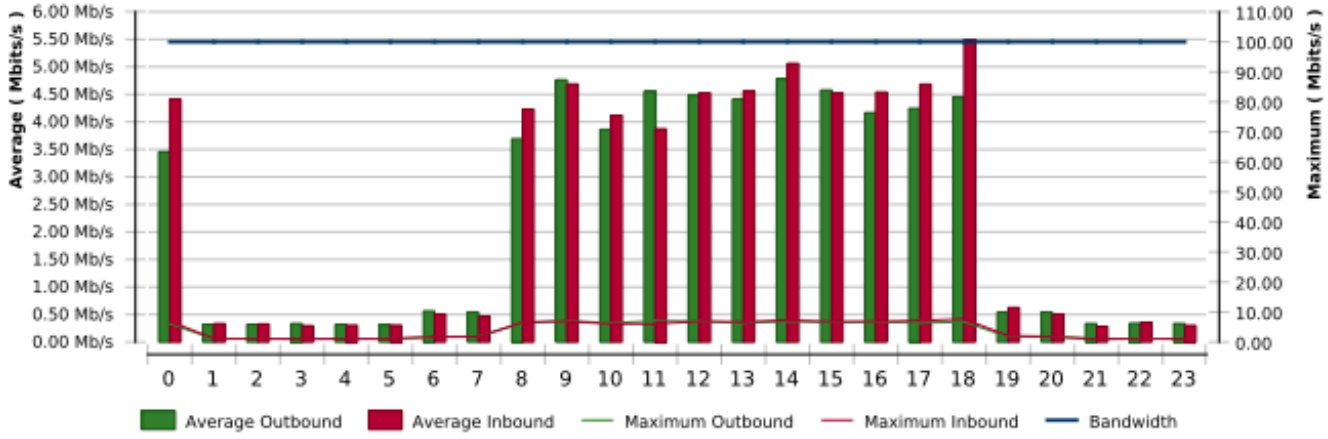


Storage capacity detailed

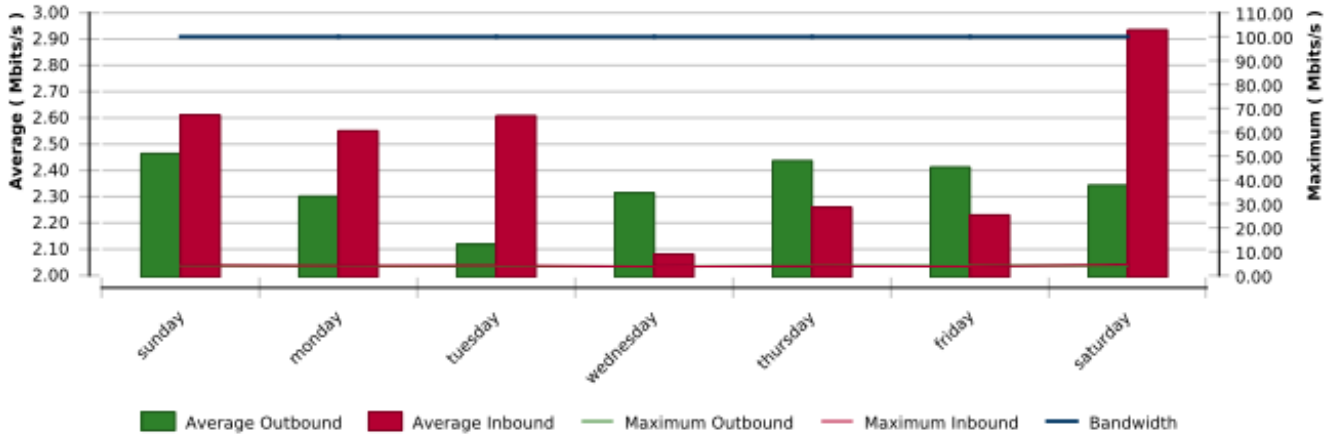
Storage space	Allocated		Used			
	Allocated	Evolution	Used	% used	Evolution	Time before saturation
disk-C	9 GB	0.00%	4.73 GB	52.58%	1.31%(2.69 GB)	44 days

traffic-card0 of srv-mssql-01

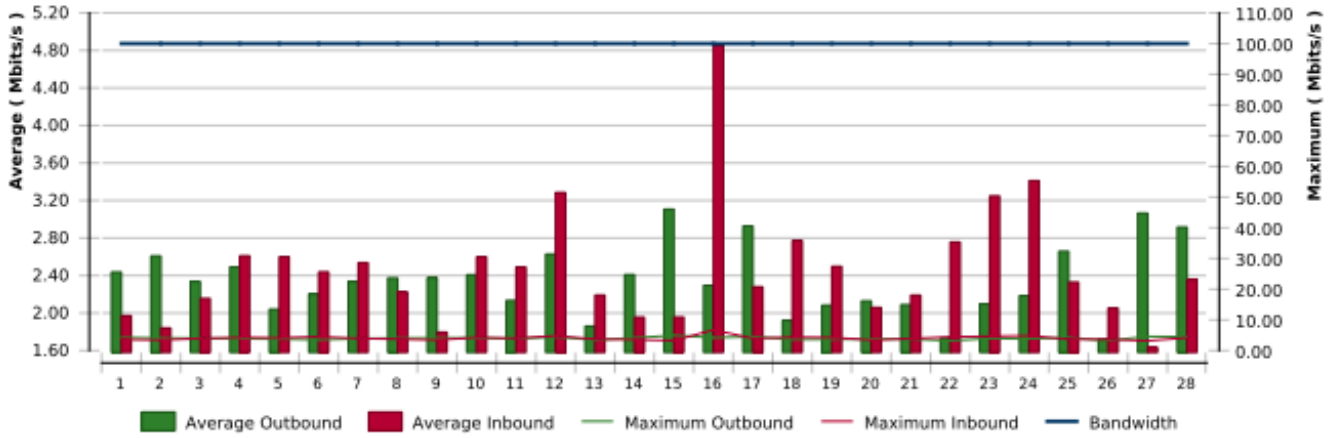
Distribution per hours on the interface



Distribution per days of week on the interface



Distribution per days of month on the interface



Host events

Date		Delay	
Start	End	Acknowledgement	Resolution
Down			Down
Feb 22, 2019, 8:56 AM	Feb 22, 2019, 8:57 AM	-	-
Feb 21, 2019, 6:18 PM	Feb 21, 2019, 6:21 PM	-	2 mn
Feb 20, 2019, 3:18 AM	Feb 20, 2019, 3:20 AM	-	2 mn
Feb 18, 2019, 4:50 AM	Feb 18, 2019, 4:50 AM	-	-
Feb 17, 2019, 2:34 AM	Feb 17, 2019, 2:35 AM	-	-
Feb 9, 2019, 11:25 PM	Feb 9, 2019, 11:26 PM	-	1 mn
Feb 8, 2019, 11:25 AM	Feb 8, 2019, 11:28 AM	-	3 mn
Feb 5, 2019, 12:41 PM	Feb 5, 2019, 12:44 PM	-	3 mn
Feb 3, 2019, 5:20 AM	Feb 3, 2019, 5:21 AM	-	-
Feb 1, 2019, 4:28 PM	Feb 1, 2019, 4:30 PM	-	1 mn
Feb 1, 2019, 2:38 PM	Feb 1, 2019, 2:39 PM	-	-
Feb 1, 2019, 11:01 AM	Feb 1, 2019, 11:02 AM	-	-

Events on services

Priority 3

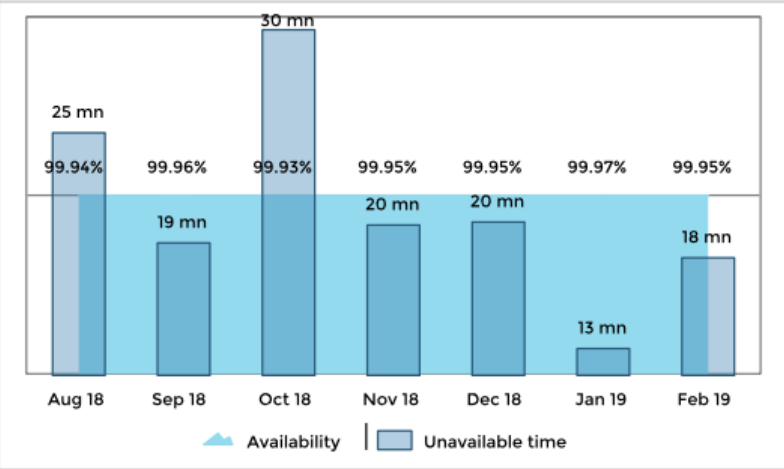
	Date		Delay	
Services	Start	End	Acknowledgement	Effective MTRS
Warning				Warning
memory	Feb 18, 2019, 12:42 PM	Feb 18, 2019, 1:22 PM	-	40 mn
memory	Feb 1, 2019, 3:40 PM	Feb 1, 2019, 4:15 PM	-	35 mn
memory	Feb 1, 2019, 6:09 PM	Feb 1, 2019, 6:44 PM	-	35 mn
memory	Feb 3, 2019, 10:05 PM	Feb 3, 2019, 10:40 PM	-	35 mn
memory	Feb 9, 2019, 7:12 AM	Feb 9, 2019, 7:47 AM	-	35 mn
memory	Feb 10, 2019, 4:57 PM	Feb 10, 2019, 5:32 PM	-	35 mn
memory	Feb 10, 2019, 9:06 PM	Feb 10, 2019, 9:41 PM	-	35 mn
memory	Feb 24, 2019, 7:10 AM	Feb 24, 2019, 7:45 AM	-	35 mn
memory	Feb 1, 2019, 4:22 PM	Feb 1, 2019, 4:52 PM	-	30 mn
memory	Feb 4, 2019, 8:27 PM	Feb 4, 2019, 8:57 PM	-	30 mn
memory	Feb 5, 2019, 12:25 PM	Feb 5, 2019, 12:55 PM	-	30 mn
memory	Feb 6, 2019, 6:08 AM	Feb 6, 2019, 6:38 AM	-	30 mn
memory	Feb 7, 2019, 9:17 PM	Feb 7, 2019, 9:47 PM	-	30 mn
memory	Feb 12, 2019, 6:58 AM	Feb 12, 2019, 7:28 AM	-	30 mn
memory	Feb 16, 2019, 9:34 AM	Feb 16, 2019, 10:04 AM	-	30 mn
memory	Feb 17, 2019, 5:12 PM	Feb 17, 2019, 5:42 PM	-	30 mn
memory	Feb 20, 2019, 9:04 PM	Feb 20, 2019, 9:34 PM	-	30 mn
memory	Feb 20, 2019, 3:18 AM	Feb 20, 2019, 3:45 AM	-	27 mn
memory	Feb 2, 2019, 10:37 PM	Feb 2, 2019, 11:02 PM	-	25 mn
memory	Feb 5, 2019, 4:03 AM	Feb 5, 2019, 4:28 AM	-	25 mn
memory	Feb 12, 2019, 12:59 AM	Feb 12, 2019, 1:24 AM	-	25 mn
memory	Feb 13, 2019, 12:53 AM	Feb 13, 2019, 1:18 AM	-	25 mn
memory	Feb 16, 2019, 2:47 AM	Feb 16, 2019, 3:12 AM	-	25 mn
memory	Feb 18, 2019, 4:36 PM	Feb 18, 2019, 5:01 PM	-	25 mn
memory	Feb 20, 2019, 2:38 AM	Feb 20, 2019, 3:03 AM	-	25 mn
memory	Feb 4, 2019, 6:00 PM	Feb 4, 2019, 6:20 PM	-	20 mn
memory	Feb 8, 2019, 3:24 AM	Feb 8, 2019, 3:44 AM	-	20 mn
memory	Feb 10, 2019, 6:09 PM	Feb 10, 2019, 6:29 PM	-	20 mn
memory	Feb 14, 2019, 8:21 AM	Feb 14, 2019, 8:41 AM	-	20 mn
memory	Feb 15, 2019, 2:29 AM	Feb 15, 2019, 2:49 AM	-	20 mn
memory	Feb 17, 2019, 7:21 PM	Feb 17, 2019, 7:41 PM	-	20 mn
memory	Feb 21, 2019, 6:08 PM	Feb 21, 2019, 6:28 PM	-	20 mn
memory	Feb 22, 2019, 1:29 PM	Feb 22, 2019, 1:49 PM	-	20 mn
memory	Feb 22, 2019, 10:43 PM	Feb 22, 2019, 11:03 PM	-	20 mn
memory	Feb 23, 2019, 7:23 PM	Feb 23, 2019, 7:43 PM	-	20 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 parameter.

Host **srv-mssql-01**

centreon

Host availability evolution



Current month

% of availability

99.95%

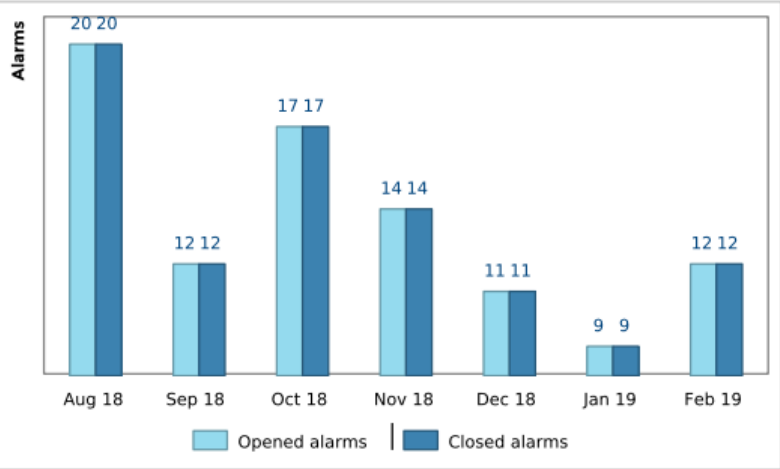
Unavailable time

18 mn

Unknown time

-

Host exception events evolution



55 h 58 mn is the average time between two events

1 mn is the average events resolution time

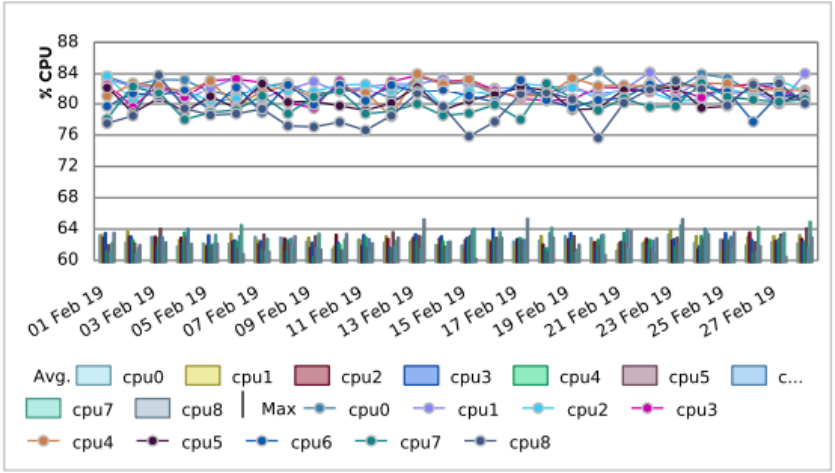
12 events have been opened

12 events have been closed

Host availability evolution detailed

	Aug 18		Sep 18		Oct 18		Nov 18		Dec 18		Jan 19		Feb 19	
	Value	Trend	Value	Trend	Value	Trend	Value	Trend	Value	Trend	Value	Trend	Value	Trend
% of availability	99.94%	0.00%	99.96%	0.01%	99.93%	-0.03%	99.95%	0.02%	99.95%	0.00%	99.97%	0.02%	99.95%	-0.02%
Unavailable time	25 mn	4.86%	19 mn	-24.50%	30 mn	62.81%	20 mn	-35.34%	20 mn	0.83%	13 mn	-35.12%	18 mn	38.85%
Unknown time	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MTRS	1 mn	-21.35%	1 mn	25.83%	1 mn	14.92%	1 mn	-21.49%	1 mn	28.33%	1 mn	-20.71%	1 mn	4.14%
MTBF	37 h 10 mn	-25.00%	59 h 58 mn	61.31%	43 h 44 mn	-27.08%	51 h 24 mn	17.54%	67 h 36 mn	31.52%	82 h 38 mn	22.24%	55 h 58 mn	-32.27%
Opened alarms	20	5	12	-8	17	5	14	-3	11	-3	9	-2	12	3
Closed alarms	20	5	12	-8	17	5	14	-3	11	-3	9	-2	12	3

CPU evolution within the reporting period



Current Month

Average CPU usage

62.54%

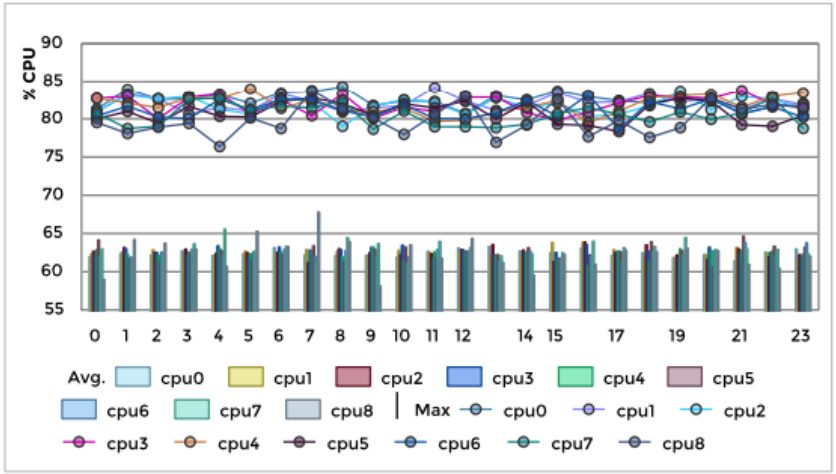
Value of deviation :

0.819

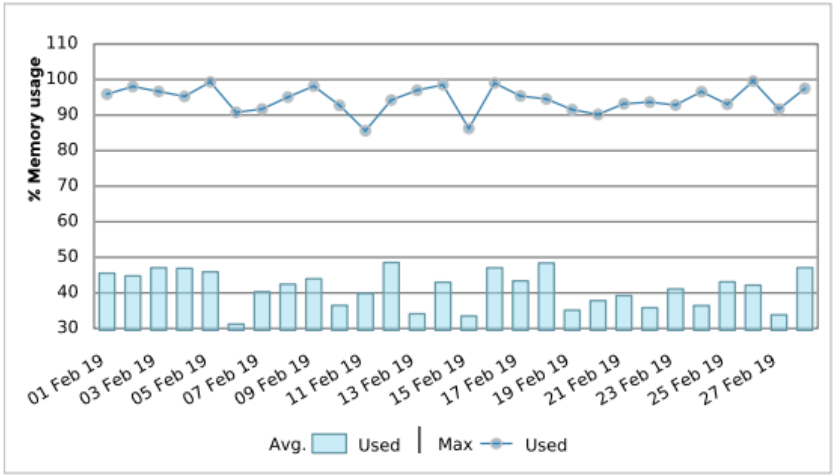
Max value reached by the CPU :

84.31%

CPU evolution by hour of the day



Memory evolution within the reporting period



Current Month

Average memory usage

41.22%

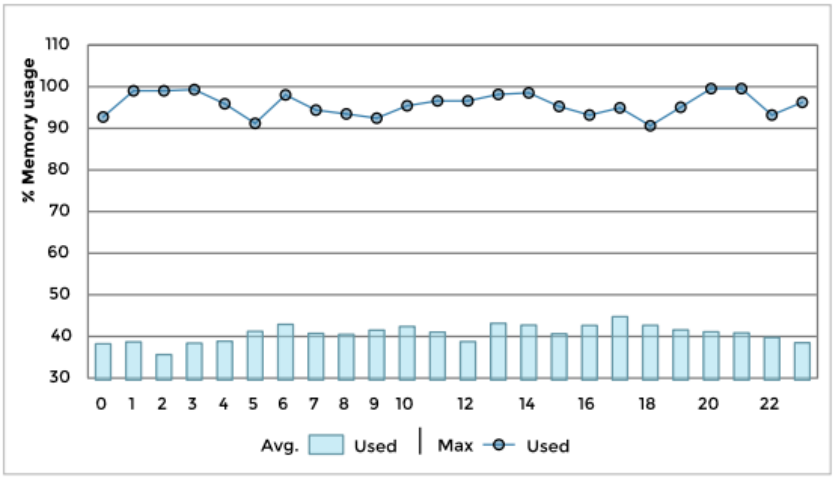
Value of deviation :

5.03

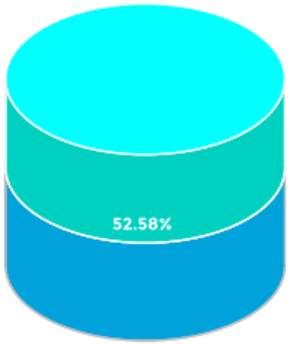
Max value reached by the memory :

99.55%

Memory evolution by hour of the day



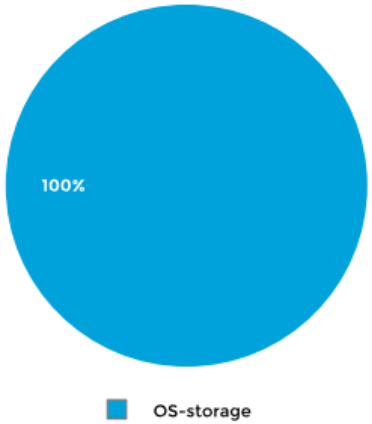
Global information



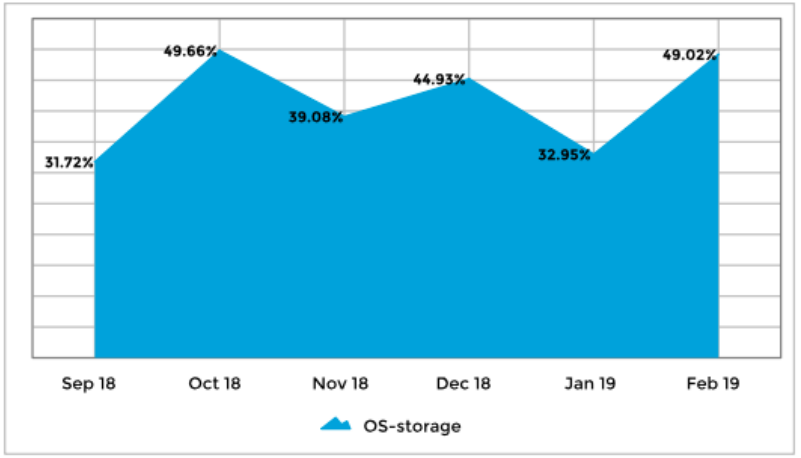
9 GB
of allocated space

4.73 GB
of used space

Allocated space/service cat.



Used space evolution by service category

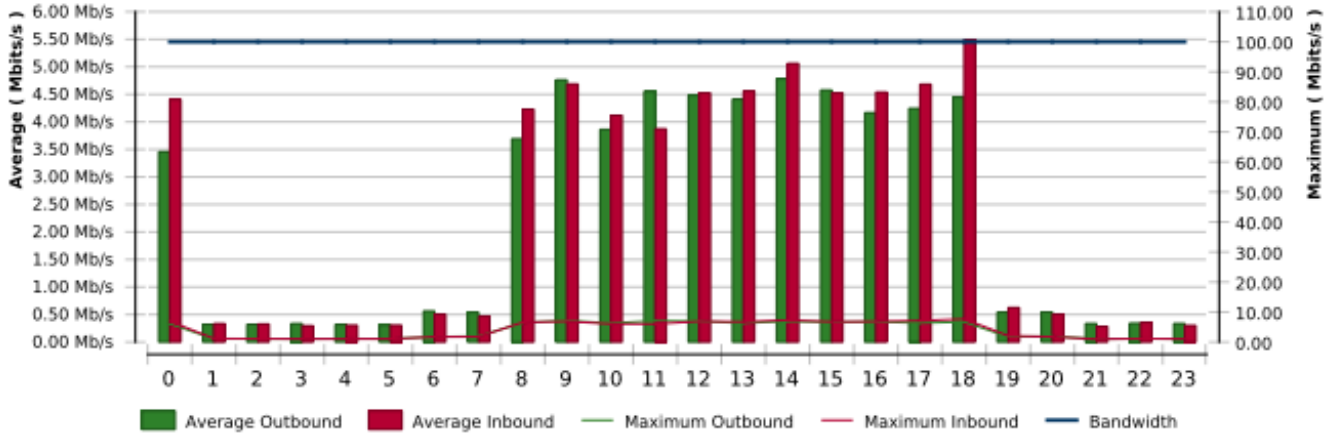


Storage capacity detailed

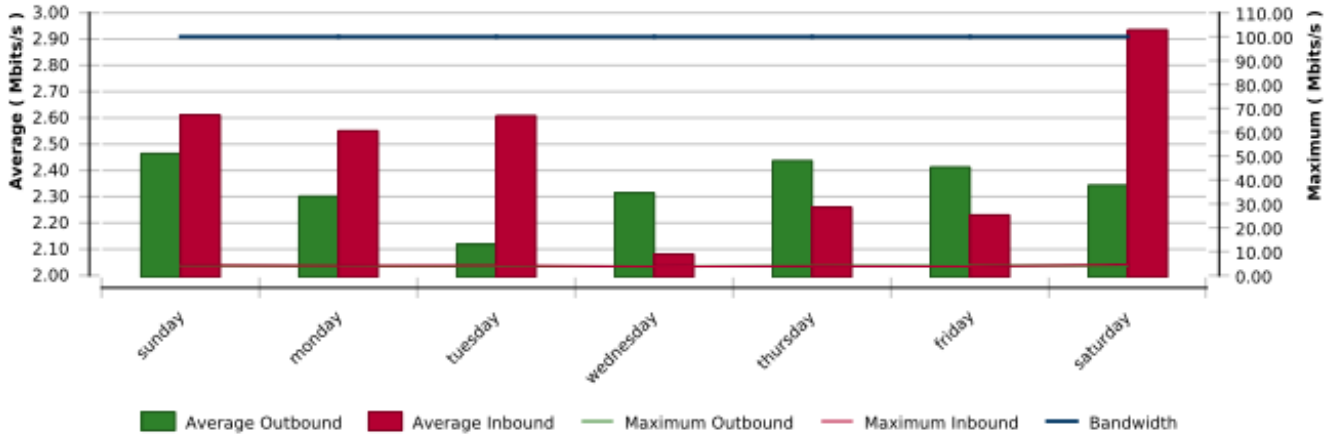
Storage space		Allocated		Used			
		Allocated	Evolution	Used	% used	Evolution	Time before saturation
disk-C	52.58%	9 GB	0.00%	4.73 GB	52.58%	1.31%(2.69 GB)	44 days

traffic-card0 of srv-mssql-01

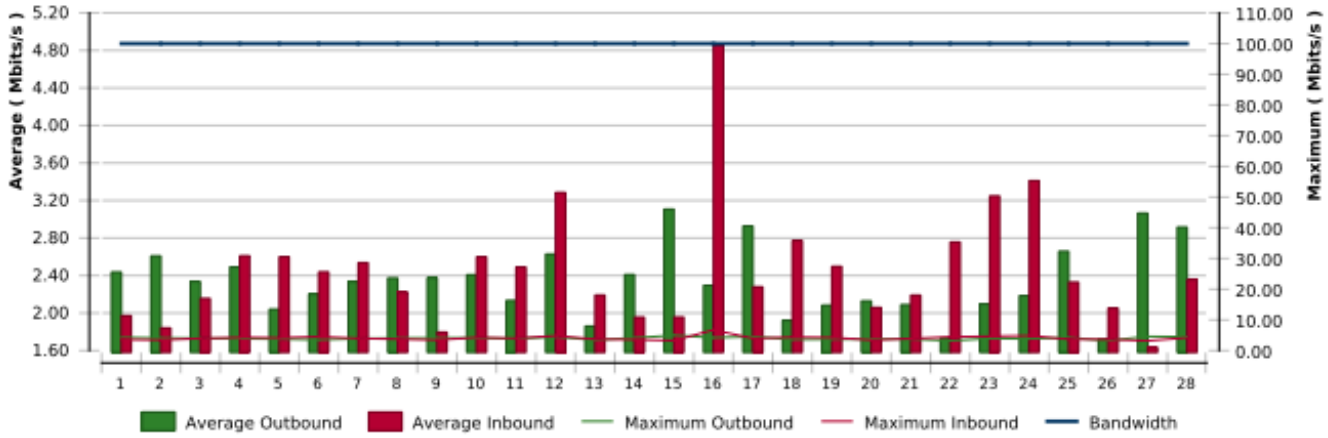
Distribution per hours on the interface



Distribution per days of week on the interface



Distribution per days of month on the interface



Host events

Date		Delay	
Start	End	Acknowledgement	Resolution
Down			Down
Feb 22, 2019, 8:56 AM	Feb 22, 2019, 8:57 AM	-	-
Feb 21, 2019, 6:18 PM	Feb 21, 2019, 6:21 PM	-	2 mn
Feb 20, 2019, 3:18 AM	Feb 20, 2019, 3:20 AM	-	2 mn
Feb 18, 2019, 4:50 AM	Feb 18, 2019, 4:50 AM	-	-
Feb 17, 2019, 2:34 AM	Feb 17, 2019, 2:35 AM	-	-
Feb 9, 2019, 11:25 PM	Feb 9, 2019, 11:26 PM	-	1 mn
Feb 8, 2019, 11:25 AM	Feb 8, 2019, 11:28 AM	-	3 mn
Feb 5, 2019, 12:41 PM	Feb 5, 2019, 12:44 PM	-	3 mn
Feb 3, 2019, 5:20 AM	Feb 3, 2019, 5:21 AM	-	-
Feb 1, 2019, 4:28 PM	Feb 1, 2019, 4:30 PM	-	1 mn
Feb 1, 2019, 2:38 PM	Feb 1, 2019, 2:39 PM	-	-
Feb 1, 2019, 11:01 AM	Feb 1, 2019, 11:02 AM	-	-

Events on services

Priority 3

	Date		Delay	
Services	Start	End	Acknowledgement	Effective MTRS
Warning				Warning
memory	Feb 18, 2019, 12:42 PM	Feb 18, 2019, 1:22 PM	-	40 mn
memory	Feb 1, 2019, 3:40 PM	Feb 1, 2019, 4:15 PM	-	35 mn
memory	Feb 1, 2019, 6:09 PM	Feb 1, 2019, 6:44 PM	-	35 mn
memory	Feb 3, 2019, 10:05 PM	Feb 3, 2019, 10:40 PM	-	35 mn
memory	Feb 9, 2019, 7:12 AM	Feb 9, 2019, 7:47 AM	-	35 mn
memory	Feb 10, 2019, 4:57 PM	Feb 10, 2019, 5:32 PM	-	35 mn
memory	Feb 10, 2019, 9:06 PM	Feb 10, 2019, 9:41 PM	-	35 mn
memory	Feb 24, 2019, 7:10 AM	Feb 24, 2019, 7:45 AM	-	35 mn
memory	Feb 1, 2019, 4:22 PM	Feb 1, 2019, 4:52 PM	-	30 mn
memory	Feb 4, 2019, 8:27 PM	Feb 4, 2019, 8:57 PM	-	30 mn
memory	Feb 5, 2019, 12:25 PM	Feb 5, 2019, 12:55 PM	-	30 mn
memory	Feb 6, 2019, 6:08 AM	Feb 6, 2019, 6:38 AM	-	30 mn
memory	Feb 7, 2019, 9:17 PM	Feb 7, 2019, 9:47 PM	-	30 mn
memory	Feb 12, 2019, 6:58 AM	Feb 12, 2019, 7:28 AM	-	30 mn
memory	Feb 16, 2019, 9:34 AM	Feb 16, 2019, 10:04 AM	-	30 mn
memory	Feb 17, 2019, 5:12 PM	Feb 17, 2019, 5:42 PM	-	30 mn
memory	Feb 20, 2019, 9:04 PM	Feb 20, 2019, 9:34 PM	-	30 mn
memory	Feb 20, 2019, 3:18 AM	Feb 20, 2019, 3:45 AM	-	27 mn
memory	Feb 2, 2019, 10:37 PM	Feb 2, 2019, 11:02 PM	-	25 mn
memory	Feb 5, 2019, 4:03 AM	Feb 5, 2019, 4:28 AM	-	25 mn
memory	Feb 12, 2019, 12:59 AM	Feb 12, 2019, 1:24 AM	-	25 mn
memory	Feb 13, 2019, 12:53 AM	Feb 13, 2019, 1:18 AM	-	25 mn
memory	Feb 16, 2019, 2:47 AM	Feb 16, 2019, 3:12 AM	-	25 mn
memory	Feb 18, 2019, 4:36 PM	Feb 18, 2019, 5:01 PM	-	25 mn
memory	Feb 20, 2019, 2:38 AM	Feb 20, 2019, 3:03 AM	-	25 mn
memory	Feb 4, 2019, 6:00 PM	Feb 4, 2019, 6:20 PM	-	20 mn
memory	Feb 8, 2019, 3:24 AM	Feb 8, 2019, 3:44 AM	-	20 mn
memory	Feb 10, 2019, 6:09 PM	Feb 10, 2019, 6:29 PM	-	20 mn
memory	Feb 14, 2019, 8:21 AM	Feb 14, 2019, 8:41 AM	-	20 mn
memory	Feb 15, 2019, 2:29 AM	Feb 15, 2019, 2:49 AM	-	20 mn
memory	Feb 17, 2019, 7:21 PM	Feb 17, 2019, 7:41 PM	-	20 mn
memory	Feb 21, 2019, 6:08 PM	Feb 21, 2019, 6:28 PM	-	20 mn
memory	Feb 22, 2019, 1:29 PM	Feb 22, 2019, 1:49 PM	-	20 mn
memory	Feb 22, 2019, 10:43 PM	Feb 22, 2019, 11:03 PM	-	20 mn
memory	Feb 23, 2019, 7:23 PM	Feb 23, 2019, 7:43 PM	-	20 mn

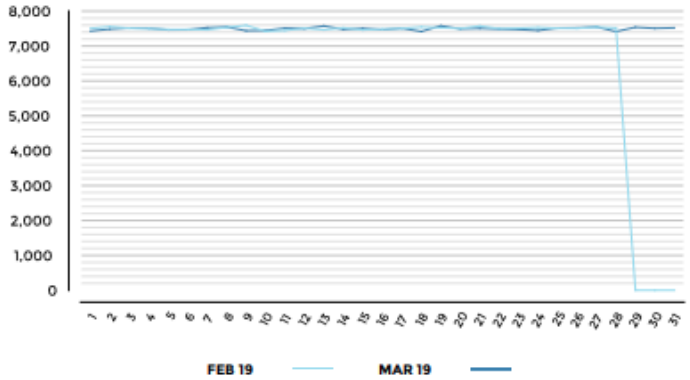
Consumption

Hostgroup-Electricity-Consumption-1

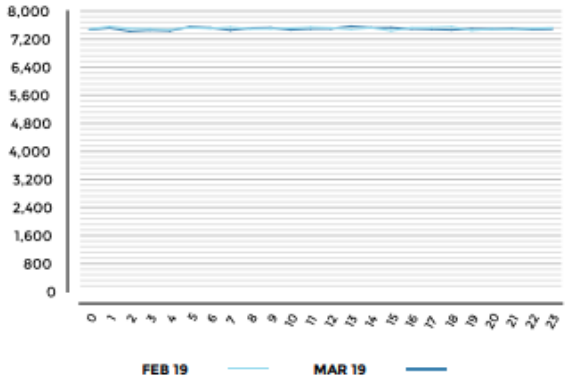
This report displays statistics of the electricity consumption of your equipments plugged into a UPS.

0.16 $ the KWh	Cost	Consumption	Average power	Maximal power
MAR 2019	892.8 $	5.58 MWh	7.494 KW	9.999 KW
FEB 2019	806.4 $	5.04 MWh	7.507 KW	10 KW
Evolution	+86.4 $	+540 KWh	-12.654 W	-0.11 W

DAILY AVERAGE (W)



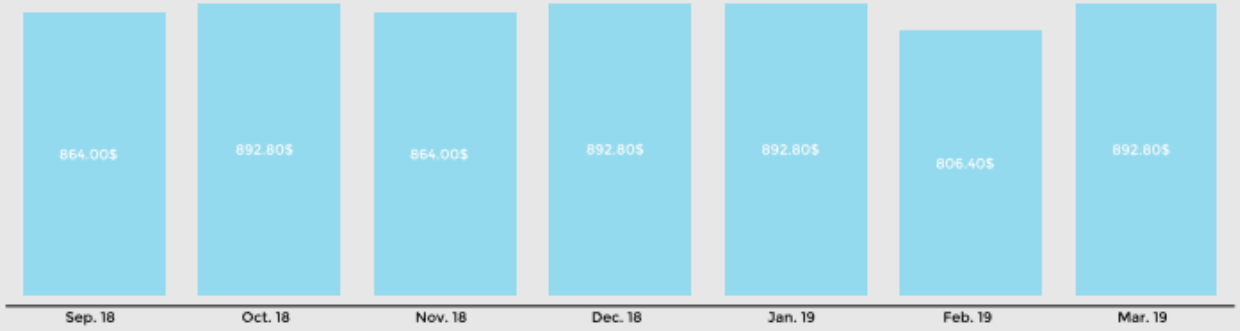
HOURLY AVERAGE (W)



THE MOST ELECTRICITY-CONSUMING UPS

UPS	Average consumption	Cost	Representing
ups-berlin-01	1.12 MWh	178.96 $	20.06%
ups-sydney-01	1.12 MWh	178.51 $	20.01%
ups-newyork-01	1.12 MWh	178.47 $	20.00%
ups-alger-01	1.11 MWh	178.21 $	19.98%
ups-hongkong-01	1.11 MWh	177.99 $	19.95%

MONTHLY COST YOY



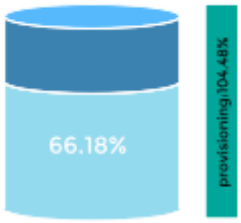
Virtualization

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

7 datastores are available on the cluster

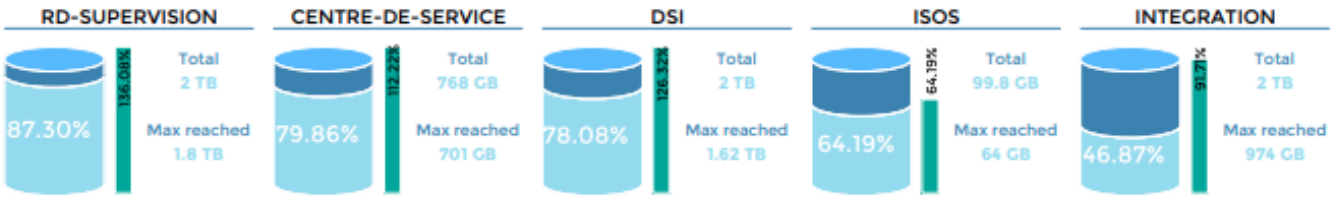
Global usage



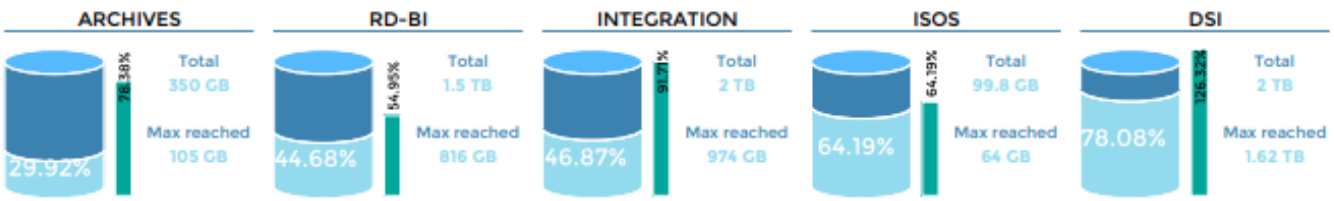
- 5.75 TB is the average usage of your datastores — -5.01%
- 5.76 TB is the last usage value of your datastores — -4.51%
- 8.69 TB allocated on your infrastructure — 0.00%

TOP DATASTORES USAGE

The 5 most used



The 5 least used



IOPS ON DATASTORES

Read (I/O per second)

TOP		BOTTOM	
RD-SUPERVISION	56.93	ISOS	0.00
INTEGRATION	47.25	CENTRE-DE-SERVICE	5.09
RD-BI	19.56	DSI	9.37
DSI	9.37	RD-BI	19.56
CENTRE-DE-SERVICE	5.09	INTEGRATION	47.25

Write (I/O per second)

TOP		BOTTOM	
RD-SUPERVISION	571.89	ISOS	0.00
DSI	251.51	CENTRE-DE-SERVICE	80.82
RD-BI	197.60	INTEGRATION	107.98
INTEGRATION	107.98	RD-BI	197.60
CENTRE-DE-SERVICE	80.82	DSI	251.51

CLUSTER

Cluster-ESX-Reporting

11/1/18 - 11/14/18

centreon business intelligence

CPU USAGE STATISTICS

16.25% is the average CPU usage on the cluster's ESXs -2.31 %

The 5 most used

SRVI-CLUS-ESX-N1...		SRVI-CLUS-ESX-N2...		SRVI-CLUS-ESX-N4...		SRVI-CLUS-ESX-N3...		SRVI-CLUS-ESX-TL...	
Average	Max reached	Average	Max reached	Average	Max reached	Average	Max reached	Average	Max reached
28.46 %	42.17 %	19.43 %	33.7 %	18.79 %	29.88 %	10.01 %	22.15 %	4.57 %	21.57 %

The 5 least used

SRVI-CLUS-ESX-TL...		SRVI-CLUS-ESX-N3...		SRVI-CLUS-ESX-N4...		SRVI-CLUS-ESX-N2...		SRVI-CLUS-ESX-N1...	
Average	Max reached	Average	Max reached	Average	Max reached	Average	Max reached	Average	Max reached
4.57 %	21.57 %	10.01 %	22.15 %	18.79 %	29.88 %	19.43 %	33.7 %	28.46 %	42.17 %

MEMORY STATISTICS

Global usage

328 GB is the average usage memory -0.51%

81.91%

392 GB is allocated memory 0.00%

The 5 most used

SRVI-CLUS-ESX-N1...			SRVI-CLUS-ESX-N3...			SRVI-CLUS-ESX-N4...			SRVI-CLUS-ESX-N2...			SRVI-CLUS-ESX-TL...		
Usage	Total	Max	Usage	Total	Max	Usage	Total	Max	Usage	Total	Max	Usage	Total	Max
91.09%	128 GB	122 GB	84.93%	64 GB	56.6 GB	83.15%	64 GB	58.8 GB	76.33%	128 GB	106 GB	74.04%	7.9 GB	5.9 GB

The 5 least used

SRVI-CLUS-ESX-TL...			SRVI-CLUS-ESX-N2...			SRVI-CLUS-ESX-N4...			SRVI-CLUS-ESX-N3...			SRVI-CLUS-ESX-N1...		
Usage	Total	Max	Usage	Total	Max	Usage	Total	Max	Usage	Total	Max	Usage	Total	Max
74.04%	7.9 GB	5.9 GB	76.33%	128 GB	106 GB	83.15%	64 GB	58.8 GB	84.93%	64 GB	56.6 GB	91.09%	128 GB	122 GB

VMs HOSTING

Average powered on and powered off virtual machines on the cluster

154 virtual machine(s) powered on

132 virtual machine(s) powered off

Average powered on and powered off virtual machines by ESX

Powered On

TOP		BOTTOM	
SRVI-CLUS-ESX-N1...	58	SRVI-CLUS-ESX-TL...	3
SRVI-CLUS-ESX-N2...	40	SRVI-CLUS-ESX-N3...	22
SRVI-CLUS-ESX-N4...	30	SRVI-CLUS-ESX-N4...	30
SRVI-CLUS-ESX-N3...	22	SRVI-CLUS-ESX-N2...	40
SRVI-CLUS-ESX-TL...	3	SRVI-CLUS-ESX-N1...	58

Powered Off

TOP		BOTTOM	
SRVI-CLUS-ESX-N1...	46	SRVI-CLUS-ESX-TL...	1
SRVI-CLUS-ESX-N4...	31	SRVI-CLUS-ESX-N3...	23
SRVI-CLUS-ESX-N2...	30	SRVI-CLUS-ESX-N2...	30
SRVI-CLUS-ESX-N3...	23	SRVI-CLUS-ESX-N4...	31
SRVI-CLUS-ESX-TL...	1	SRVI-CLUS-ESX-N1...	46

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 6, 2016, 11:56 AM

Poller	IP address	Version	State	Last start
Central	127.0.0.1	1.6.2	Running	1 Dec 2016 14:53 GMT+01:00

Hosts

Status: 6 | 0 | 0 | 6

Hosts performances

	Min	Avg	Max
Execution time (s)	0.000	0.120	0.179
Latency (s)	0.000	0.751	0.999

The longest execution time

No host exceed 2 second(s) of execution time

The worst latency

No host exceed 2 second(s) of latency

Services

Status: 53 | 1 | 2 | 2 | 56

Services performances

	Min	Avg	Max
Execution time (s)	0.044	0.292	5.762
Latency (s)	0.002	0.572	1.000

The longest execution time

Host	Service	Execution time (s)
srvi-poller-gso	Disk-io-sda2	5.762 s

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.

They cannot be used with Centreon BAM reports

Exemple: