

## Zabbix 报表的制作--VER 1.0

By 小伟

QQ: 141926620

技术交流: 142279493

技术博客: <http://nanwangting.blog.51cto.com/>

2012 年 10 月 24 日

## 目录

<b>第 1 章 ZABBIX 的报表</b> .....	<b>4</b>
1.1 查看 ZABBIX 监控的状态.....	4
1.2 查看 TRIGGER 的可用率.....	4
1.3 查看排名前 100 的 TRIGGER。 .....	5
1.4 BAR REPORTS 报表的配置 .....	6
1.4.1 创建基于 item 的 Bar reports 报表 .....	6
1.4.2 创建基于时间的 Bar report 报表报表 .....	7
1.2.3 创建混合模式的 Bar reports 报表 .....	8



# 第1章 Zabbix 的报表

## 1.1 查看 zabbix 监控的状态

Reports→status of zabbix

STATUS OF ZABBIX		
Parameter	Value	Details
Zabbix server is running	Yes	localhost:10051
Number of hosts (monitored/not monitored/templates)	27	3 / 0 / 24
Number of items (monitored/disabled/not supported)	121	116 / 0 / 5
Number of triggers (enabled/disabled)[problem/unknown/ok]	44	44 / 0 [2 / 0 / 42]
Number of users (online)	2	1
Required server performance, new values per second	2.24	-
Zabbix 2.0.2 Copyright 2001-2012 by Zabbix SIA		

同时 monitoring→Dashboard 的方式也可以看到。

Parameter	Value	Details
Zabbix sever is running	运行 yes 否则为 no	具体对应的值
Number of hosts (monitored/not monitored/templates)	被监控主机数量	具体对应的值
Number of items (monitored/disabled/not supported)	Item 总数	具体对应的值
Number of triggers (enabled/disabled)[problem/unknown/ok]	Trigger 总数	具体对应的值
Number of users (online)	用户在线总数	具体对应的值
Required server performance, new values per second		

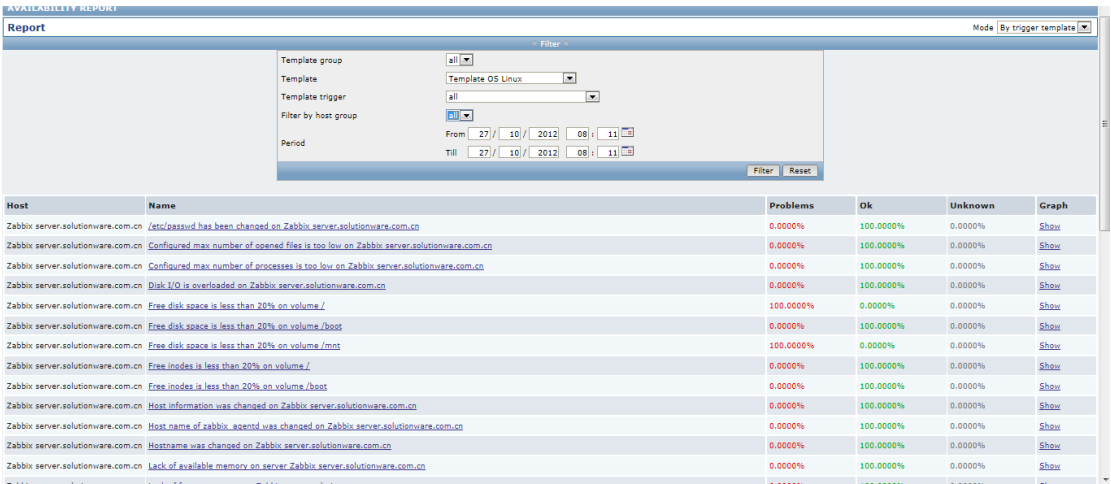
## 1.2 查看 trigger 的可用率

Reports→Availability report

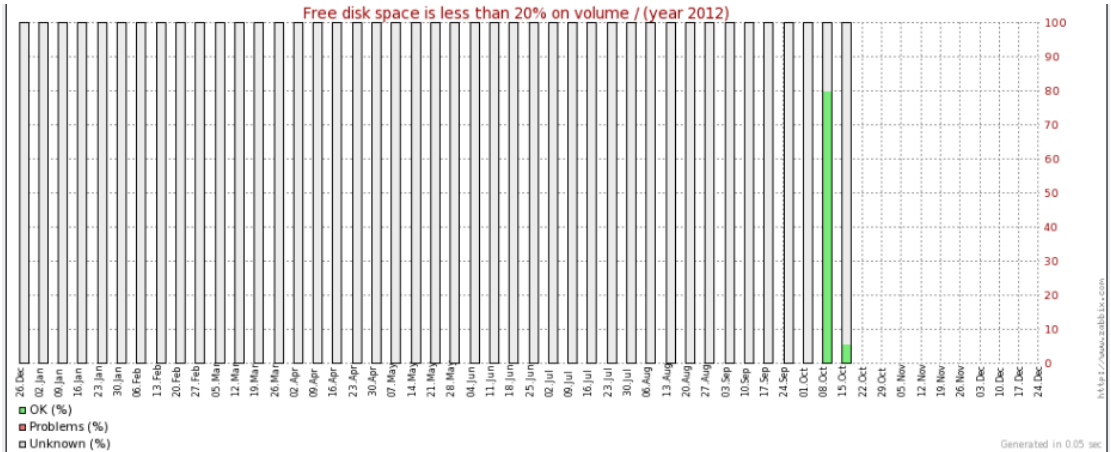
基于主机进行过滤：

Status of Zabbix   Availability report   Triggers top 100   Bar reports				
History: Dashboard » Status of Zabbix » Availability report » Status of Zabbix » Availability report				
AVAILABILITY REPORT				
Report				
Template group: all				
Template: Zabbix server.solutionware.com.cn				
Period: From 26 / 10 / 2012 08:08 To 27 / 10 / 2012 08:08				
Filter Reset				
Name	Problems	Ok	Unknown	Graph
/etc/passwd has been changed on Zabbix server.solutionware.com.cn	0.0000%	100.0000%	0.0000%	Show
Configured max number of opened files is too low on Zabbix server.solutionware.com.cn	0.0000%	100.0000%	0.0000%	Show
Configured max number of processes is too low on Zabbix server.solutionware.com.cn	0.0000%	100.0000%	0.0000%	Show
Disk I/O is overloaded on Zabbix server.solutionware.com.cn	0.0000%	100.0000%	0.0000%	Show
Free disk space is less than 20% on volume /	100.0000%	0.0000%	0.0000%	Show
Free disk space is less than 20% on volume /boot	0.0000%	100.0000%	0.0000%	Show
Free disk space is less than 20% on volume /mnt	100.0000%	0.0000%	0.0000%	Show
Free inodes is less than 20% on volume /	0.0000%	100.0000%	0.0000%	Show
Free inodes is less than 20% on volume /boot	0.0000%	100.0000%	0.0000%	Show
Host information was changed on Zabbix server.solutionware.com.cn	0.0000%	100.0000%	0.0000%	Show
Host name of zabbix_agentd was changed on Zabbix server.solutionware.com.cn	0.0000%	100.0000%	0.0000%	Show
Hostname was changed on Zabbix server.solutionware.com.cn	0.0000%	100.0000%	0.0000%	Show
Lack of available memory on server Zabbix server.solutionware.com.cn	0.0000%	100.0000%	0.0000%	Show

基于 trigger 模版进行过滤:



选择要查看的 trigger 然后单击最右侧的 show, 如下图所示



## 1.3 查看排名前 100 的 trigger。

通过查看前 100 的 trigger 的排名可以很方便的查看 trigger 变化次数最频繁的 trigger。  
Reports→Triggers top 100, 最右上角为按照时间年, 月, 日, 星期, 进行筛选。

History: Availability report » Status of Zabbix » Availability report » Status of Zabbix » Most busy triggers top 100			
MOST BUSY TRIGGERS TOP 100			
Report			
Host	Trigger	Severity	Number of status changes
Zabbix server.solutionware.com.cn	Disk I/O is overloaded on Zabbix server.solutionware.com.cn	Warning	52
Zabbix server.solutionware.com.cn	Zabbix server.solutionware.com.cn has just been restarted	Information	12
Zabbix server.solutionware.com.cn	Host information was changed on Zabbix server.solutionware.com.cn	Information	10
Zabbix server.solutionware.com.cn	Hostname was changed on Zabbix server.solutionware.com.cn	Information	10
Zabbix server.solutionware.com.cn	Zabbix housekeeper processes more than 75% busy	Average	6
Zabbix server.solutionware.com.cn	Free disk space is less than 20% on volume /	Warning	3
Zabbix server.solutionware.com.cn	Free disk space is less than 20% on volume /mnt	Warning	3
vm1.solutionware.com.cn	Zabbix agent on vm1.solutionware.com.cn is unreachable for 5 minutes	Average	2
vm2.solutionware.com.cn	Zabbix agent on vm2.solutionware.com.cn is unreachable for 5 minutes	Average	2
Zabbix server.solutionware.com.cn	Processor load is too high on Zabbix server.solutionware.com.cn	Warning	2
Zabbix server.solutionware.com.cn	Zabbix agent on Zabbix server.solutionware.com.cn is unreachable for 5 minutes	Average	2
Zabbix server.solutionware.com.cn	Zabbix configuration synchronizer processes more than 75% busy	Average	2
Zabbix server.solutionware.com.cn	Zabbix discoverer processes more than 75% busy	Average	2

# 1.4Bar reports 报表的配置

Bar reports 报表只可以查看不可以保存。

## 1.4.1 创建基于 item 的 Bar reports 报表

Report→Bar report→Distribution of values for multiple periods

Titlecpu-load

X labeltime

Y labelvalue

Legend☒

ScaleWeekly

Period

From10/10/201206:16

Till27/10/201206:16

☐Processor load (1 min average per core)

Zabbix server.solutionware.com.cn: Processor load (1 min average per core)

avg

Left

☐Processor load (5 min average per core)

Zabbix server.solutionware.com.cn: Processor load (5 min average per core)

avg

Left

☐Processor load (15 min average per core)

Zabbix server.solutionware.com.cn: Processor load (15 min average per core)

avg

Left

Add

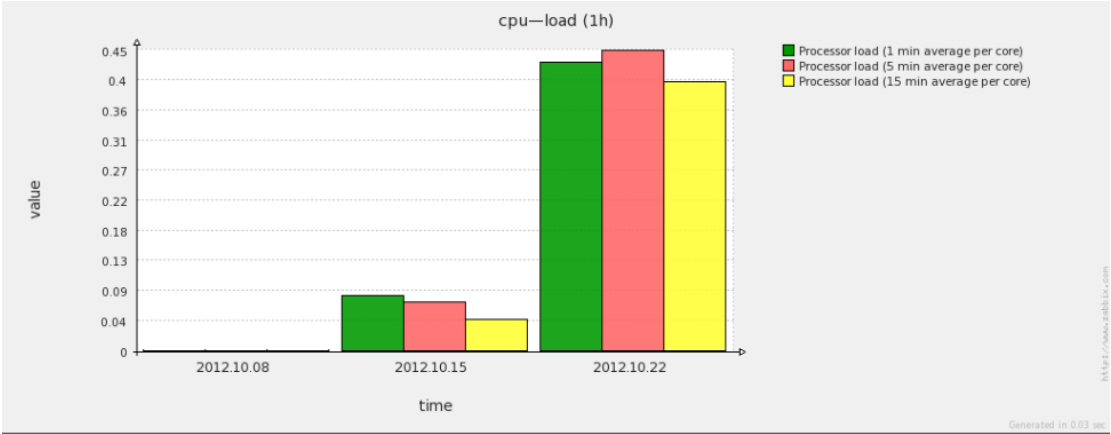
Delete selected

Show

Reset

选项	描述
title	标题名字
X lable	X 轴显示的内容
Y label	Y 轴显示的内容
legend	
Scale	时间跨度
Period	显示的时间周期
Items	添加 item

添加完成后选择 show 按钮出现下图所示的显示效果，但是可惜没办法保存。



### 1.4.2 创建基于时间的 Bar report 报表报表

Report→Bar report→Distribution of values for multiple periods

下图为基于时间的 bar report。

选项	描述
title	标题名字
X lable	X 轴显示的内容
Y label	Y 轴显示的内容
legend	
Period	显示的时间周期
Items	添加 item

=

Title

memory port

X label

time

Y label

value

Legend

☒

Period

☐ 26 Oct 2012 06:35:05 - 27 Oct 2012 06:35:05

26 Oct 2012 06:48:00

27 Oct 2012 06:48:17

☐ 26 Oct 2012 06:36:40 - 27 Oct 2012 06:36:40

01 Oct 2012 06:42:00

27 Oct 2012 06:42:32

☐ 26 Oct 2012 06:48:31 - 27 Oct 2012 06:48:31

25 Oct 2012 06:48:00

27 Oct 2012 06:48:31

Add

Delete selected

Items

☐ Available memory

Zabbix server.solutionware.com.cn: Available memory

avg

☐ Free swap space

Zabbix server.solutionware.com.cn: Free swap space

avg

☐ Total swap space

Zabbix server.solutionware.com.cn: Total swap space

avg

☐ Total memory

Zabbix server.solutionware.com.cn: Total memory

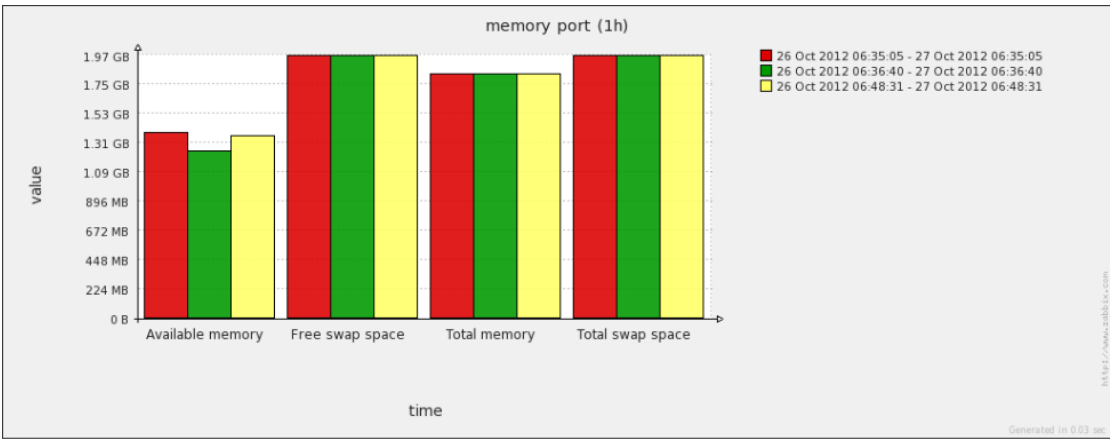
avg

Add

Delete selected

Show

Reset



### 1.2.3 创建混合模式的 Bar reports 报表

Report→Bar report→compare values for multiple periods

选项	描述
title	标题名字
X label	X 轴显示的内容
Y label	Y 轴显示的内容
legend	
Scale	时间跨度
Period	显示的时间周期
Average by	数据平均抽取方式
Items	添加 item
Groups	选择添加的主机组
Hosts	选择要添加的主机
Palette	选择颜色的样式

The screenshot shows the Zabbix Bar report configuration interface. The fields are as follows:

- Title: Report 3
- X label: (empty)
- Y label: (empty)
- Legend: ☒
- Groups:
  - Selected groups: (empty)
  - Other groups: solutionware\_linux, Zabbix servers
- Hosts:
  - Selected hosts: vm1.solutionware.com.cn, vm2.solutionware.com.cn, Zabbix server.solutionware.com.cn
  - Other hosts: (empty)
- Period: From 26 / 10 / 2012 07 : 19 to 27 / 10 / 2012 07 : 19
- Scale: Hourly
- Average by: Hourly
- Item: CPU user time
- Palette: Palette #1, Middle

Buttons: Show, Reset



