

# Alertas por e-mail utilizando SMTP autenticado

## INTRODUÇÃO:

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O Zabbix tem suporte a envio de e-mails, porém sem autenticação, para utilizar o recurso de autenticação é preciso recorrer a scripts externos, o objetivo desse tutorial é descrever os passos necessários para este procedimento.

## PRÉ-REQUISITOS:

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O único pré-requisito que temos é o software SendEmail, não confundir com o sendmail que é nativo do Linux.

## SUPRIR AS DEPENDÊNCIAS:

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Faça o download da última versão estável do software [SendEmail](#)\*

## INSTALAR O SENDEMAIL:

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Por questões de organização eu sempre crio um diretório "/install" e dentro dele vou criando os sub-diretórios com o nome dos softwares que preciso instalar.

```
# mkdir /install  
# cd /install/  
# mkdir SendEmail  
# cd SendEmail  
# wget http://caspian.dotconf.net/menu/Software/SendEmail/sendEmail-\* .tar.gz*
```

**Observação:**

Substitua o "\*" pela versão do SendEmail.

## DESCOMPACTAR O ARQUIVO BAIXADO:

---

```
# tar -xvf sendEmail-* .tar.gz
```

## MOVER O BINÁRIO PARA O DIRETÓRIO /USR/BIN:

---

```
# mv sendEmail-* /usr/bin/
```

## CRIAR O DIRETÓRIO /ETC/ZABBIX/SCRIPTS:

---

```
# mkdir /etc/zabbix/scripts
```

## ENTRAR NO DIRETÓRIO:

---

```
# cd /etc/zabbix/scripts
```

## CRIAR O ARQUIVO ZABBIX\_SENDEMAIL.SH COM O SEGUINTE CONTEÚDO:

---

```
#!/bin/bash  
  
export smtpemailfrom=EMAIL_QUE_VAI_ENVIAR
```

```
export zabbixmailto="$1"
export zabbixsubject="$2"
export zabbixbody="$3"
export smtpserver=SEU_SMTP
export smtplogin=SEU_USUARIO_SEM_O @_DOMINIO
export smtppass=SUA_SENHA

/usr/bin/sendEmail -f $smtpemailfrom -t $zabbixmailto -u $zabbixsubject -m $zabbixbody -s $smtpserver:25 -xu $smtplogin -xp $smtppass
```

## TORNAR O SCRIPT EXECUTÁVEL:

```
# chmod +x zabbix_sendemail.sh
```

## ALTERAR AS PERMISSÕES DO DIRETÓRIO E DO SCRIPT:

```
# chown -R zabbix:zabbix /etc/zabbix/scripts
```

## TESTAR SE O SCRIPT FOI CONFIGURADO CORRETAMENTE:

```
# ./zabbix_sendemail.sh email@destino -m "Teste da Testa"
```

Se tudo deu certo você vai receber uma mensagem como:

**Data Nome\_do\_Host sendEmail [ PID ] : Email was sent successfully!**

E o email@destino vai receber uma mensagem sem assunto com o conteúdo Teste da Testa.

Se não deu certo, revise seu script!

## ALTERAR O DIRETÓRIO PADRÃO DE SCRIPTS DO ZABBIX:

Edito o arquivo /etc/zabbix/zabbix\_server.conf

E altere a opção AlertScriptsPath para:

**AlertScriptsPath=/etc/zabbix/scripts**

## ADICIONAR O SCRIPT NO ZABBIX:

Administration // Media types // Create Media Type

## CONFIGURATION OF MEDIA TYPES

Create media type

## Media types

Displaying 1 to 3 of 3 found

<input type="checkbox"/>	Description	Type	Status	Used in actions	Details
<input type="checkbox"/>	Email	Email	Enabled	-	SMTP server: "mail.company.com", SMTP helo: "company.com", SMTP email: "zabbix@company.com"
<input type="checkbox"/>	Jabber	Jabber	Enabled	-	Jabber identifier: "jabber@company.com"
<input type="checkbox"/>	SMS	SMS	Enabled	-	GSM modem: "/dev/ttyS0"

Enable selected

Go (0)

## PREENCHER AS INFORMAÇÕES DA NOVA MÍDIA:

**Description:** Zabbix SendEmail**Type:** Script**Script name:** zabbix\_sendemail.sh**Enabled:** Selecionar a opção.

Clicar no botão Save

## CONFIGURATION OF MEDIA TYPES

## Media

Description	<input type="text" value="Zabbix SendEmail"/>
Type	<input type="button" value="Script"/>
Script name	<input type="text" value="zabbix_sendemail.sh"/>
Enabled	<input checked="" type="checkbox"/>

## NOVA MÍDIA DISPONÍVEL:

## Media type added

## CONFIGURATION OF MEDIA TYPES

Create media type

## Media types

Displaying 1 to 4 of 4 found

<input type="checkbox"/>	Description	Type	Status	Used in actions	Details
<input type="checkbox"/>	Email	Email	Enabled	-	SMTP server: "mail.company.com", SMTP helo: "company.com", SMTP email: "zabbix@company.com"
<input type="checkbox"/>	Jabber	Jabber	Enabled	-	Jabber identifier: "jabber@company.com"
<input type="checkbox"/>	SMS	SMS	Enabled	-	GSM modem: "/dev/ttyS0"
<input type="checkbox"/>	Zabbix SendEmail	Script	Enabled	-	Script name: "zabbix_sendemail.sh"

Enable selected

Go (0)

## CONFIGURAR O USUÁRIO ADMIN PARA RECEBER ALERTAS PELA MÍDIA ZABBIX SENDEMAIL:

## CONFIGURATION OF USERS AND USER GROUPS

User groups

Create user group

## User groups

Displaying 1 to 5 of 5 found

<input type="checkbox"/>	Name	#	Members	Status	Frontend access	Debug mode
<input type="checkbox"/>	Disabled	Users (0)		Disabled	System default	Disabled
<input type="checkbox"/>	Enabled debug mode	Users (0)		Enabled	System default	Enabled
<input type="checkbox"/>	Guests	Users (1)	quest	Disabled	System default	Disabled
<input type="checkbox"/>	No access to the frontend	Users (0)		Enabled	Disabled	Disabled
<input type="checkbox"/>	Zabbix administrators	Users (1)	Admin	Enabled	System default	Disabled

Enable selected

Go (0)

Em Media clique em Add:

**ZABBIX**

Help | Get support | Print | Profile | L Zabbix :

Monitoring | Inventory | Reports | Configuration | **Administration** | Extras

General | DM | Authentication | **Users** | Media types | Scripts | Audit | Queue | Notifications | Installation

History: Custom graphs » Configuration of hosts » Custom graphs » Configuration of media types » Configuration of user groups

**CONFIGURATION OF USER**

User | Media | Permissions

**Media**

No media defined.

[Add]

**Save** | **Delete** | **Cancel**

Zabbix 2.0.0 Copyright 2001-2012 by Zabbix SIA | Connected as 'A'

Preencha as informações:

**Type:** Zabbix SendEmail

**Send to:** email@destino.com.br

**When active:** Coloque o horário que o usuário será notificado.

**Use if severity:** Marque as opções de gravidades de alerta dos quais o usuário deve ser notificado.

**Status:** Enabled

Clique no botão Add

**New media**

Type	Zabbix SendEmail
Send to	email@destino.com.br
When active	1-7:00:00-24:00
<input checked="" type="checkbox"/> Not classified <input checked="" type="checkbox"/> Information <input checked="" type="checkbox"/> Warning <input checked="" type="checkbox"/> Average <input checked="" type="checkbox"/> High <input checked="" type="checkbox"/> Disaster	
Status	Enabled

[Add] | **Cancel**

Nova mídia disponível para o Administrador, com as opções selecionadas, clique em Save

**ZABBIX**

Help | Get support | Print | Profile | L Zabbix :

Monitoring | Inventory | Reports | Configuration | Administration | Extras

General | DM | Authentication | **Users** | Media types | Scripts | Audit | Queue | Notifications | Installation

History: Configuration of hosts » Custom graphs » Configuration of media types » Configuration of user groups » Configuration of users

**CONFIGURATION OF USER**

User | Media | Permissions

Media	Zabbix SendEmail	email@destino.com.br	1-7:00:00-24:00;	NIWAHD	Enabled	Edit...
Add	<u>Delete selected</u>					

**Save** | **Delete** | **Cancel**

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## CRIAR A AÇÃO DE ENVIO DE E-MAILS:

Configuration // Actions // Create Action

ZABBIX

Monitoring Inventory Reports Configuration Administration Extras

Host groups | Templates | Hosts | Maintenance | Web | Actions | Screens | Slide shows | Maps | Discovery | IT services

History: Configuration of hosts > Custom graphs > Configuration of media types > Configuration of user groups > Configuration of users

CONFIGURATION OF ACTIONS

Actions

Displaying 1 to 1 of 1 found

Event source Triggers

Name	Conditions	Operations	Status
<a href="#">Report problems to Zabbix administrators</a>	Maintenance status not in "maintenance" Trigger value = "PROBLEM"	Send message to user groups: Zabbix administrators	Enabled

Enable selected Go (0)

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Em **CONFIGURATION OF ACTIONS**, preenche as informações:

Aba Action

**Name:** E-mail

**Enabled:** Selecionar a opção

ZABBIX

Monitoring Inventory Reports Configuration Administration Extras

Host groups | Templates | Hosts | Maintenance | Web | Actions | Screens | Slide shows | Maps | Discovery | IT services

History: Custom graphs > Configuration of media types > Configuration of user groups > Configuration of users > Configuration of actions

CONFIGURATION OF ACTIONS

Action Conditions Operations

Name: E-mail

Default escalation period (minimum 60 seconds): 3600 (seconds)

Default subject: {TRIGGER.STATUS}: {TRIGGER.NAME}

Default message:

```
Trigger: {TRIGGER.NAME}
Trigger status: {TRIGGER.STATUS}
Trigger severity: {TRIGGER.SEVERITY}
Trigger URL: {TRIGGER.URL}
```

Item values:

```
1. {ITEM.NAME1} ({HOST.NAME1}:{ITEM.KEY1})
```

Recovery message:

Enabled:

Save Cancel

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### Aba Conditions

Delete as condições existente e em **New condition**, configure da seguinte maneira:

**Trigger severity = "Information"**

Clique em Add

The screenshot shows the Zabbix web interface under the 'Actions' configuration section. The 'Conditions' tab is selected. A 'New condition' dialog box is open, containing the following configuration:

- Type of calculation: AND / OR (A) and (B)
- Conditions:
  - (A) Maintenance status not in "maintenance"
  - (B) Trigger value = "PROBLEM"
- New condition:
  - Trigger severity = Information

At the bottom of the dialog are 'Save' and 'Cancel' buttons.

Reita o processo para:

Trigger severity = "Warning"

Trigger severity = "Average"

Trigger severity = "High"

Trigger severity = "Disaster"

## CONFIGURATION OF ACTIONS

Action | Conditions | Operations

Type of calculation: AND / OR (A or B or C or D or E)

Conditions:

- (A)  Trigger severity = "Disaster"
- (B)  Trigger severity = "High"
- (C)  Trigger severity = "Average"
- (D)  Trigger severity = "Warning"
- (E)  Trigger severity = "Information"

[Delete selected...](#)

New condition:

Trigger severity  =  Not classified

[Add](#)

[Save](#) | [Clone](#) | [Delete](#) | [Cancel](#)

## Aba Operations

Clique em New:

## CONFIGURATION OF ACTIONS

Action | Conditions | Operations

Action operations:

	Steps	Details	Period (sec)	Delay	Action
No operations defined.					
<a href="#">New</a>					

[Save](#) | [Cancel](#)

Em **Operation details**, configure as opções:**Operation type:** Send messageEm **Send to Users** clique em Add

## CONFIGURATION OF ACTIONS

[Action](#) | [Conditions](#) | [Operations](#)[Action operations](#) | [Steps](#) | [Details](#) | [Period \(sec\)](#) | [Delay](#) | [Action](#)

No operations defined.

## Operation details

Step	From	1
	To	1 (0 - infinitely)
Escalation period	0 (minimum 60 seconds, 0 - use action default)	
Operation type	Send message	
Send to User groups	<a href="#">Add</a>	
Send to Users	<a href="#">Add</a>	
Send only to	- All -	
Default message	<input checked="" type="checkbox"/>	
Conditions	No conditions defined.	
<a href="#">New</a>		
<a href="#">Add</a>   <a href="#">Cancel</a>		

[Save](#)[Cancel](#)

Selecione o usuário Admin e clique em Select

Users		
Alias	Name	Surname
<input checked="" type="checkbox"/> Admin	Zabbix	Administrator
<input type="checkbox"/> guest	Default	User
<a href="#">Select</a>		

Clique em Add:

## CONFIGURATION OF ACTIONS

Action | Conditions | Operations

	Steps	Details	Period (sec)	Delay	Action
--	-------	---------	--------------	-------	--------

No operations defined.

Operation details

Step	From	1	
	To	1 (0 - infinitely)	
Escalation period	0 (minimum 60 seconds, 0 - use action default)		
Operation type	Send message		
Send to User groups	<input type="button" value="Add"/> <b>Admin</b> <input type="button" value="Remove"/> <input type="button" value="Add"/>		
Send to Users	<b>Admin</b> <input type="button" value="Remove"/> <input type="button" value="Add"/>		
Send only to	Zabbix SendEmail		
Default message	<input checked="" type="checkbox"/>		
Conditions	No conditions defined.		
<input type="button" value="New"/> <input type="button" value="Add"/> <input type="button" value="Cancel"/>			

Clique em Save:

## CONFIGURATION OF ACTIONS

Action | Conditions | Operations

	Steps	Details	Period (sec)	Delay	Action
--	-------	---------	--------------	-------	--------

<input type="checkbox"/>	1	Send message to users: Admin	Default	Immediately	<input type="button" value="Edit"/>
--------------------------	---	------------------------------	---------	-------------	-------------------------------------

<input type="button" value="New"/>	<input type="button" value="Remove selected"/>
------------------------------------	--

Nova Ação definida:

## Action added

## CONFIGURATION OF ACTIONS

Create action

## Actions

Event source Triggers

Displaying 1 to 2 of 2 found

Name	Conditions	Operations	Status
<a href="#">E-mail</a>	Maintenance status not in "maintenance" Trigger value = "PROBLEM" Trigger severity = "Disaster" Trigger severity = "High" Trigger severity = "Average" Trigger severity = "Information" Trigger severity = "Warning"	<b>Send message to users:</b> Admin	<a href="#">Enabled</a>
<a href="#">Report problems to Zabbix administrators</a>	Maintenance status not in "maintenance" Trigger value = "PROBLEM"	<b>Send message to user groups:</b> Zabbix administrators	<a href="#">Enabled</a>

[Enable selected](#) [Go \(0\)](#)

## ACOMPANHANDO AS TRIGGERS:

History: Configuration of actions &gt; Status of triggers &gt; Notification report &gt; Status of triggers &gt; Notification report

## STATUS OF TRIGGERS [25 Sep 2012 16:41:54]

## Triggers

Displaying 1 to 22 of 22 found

▼ Filter ▼

	Severity	Status	Info	Last change	Age	Acknowledged	Host	Name	Comment
<input type="checkbox"/>	Information	OK		<a href="#">25 Sep 2012 16:27:16</a>	14m 38s	<a href="#">Acknowledge</a> (64)	Switch	Operational status was changed on Switch	<a href="#">R2.00.010 Port 14 on Unit 1</a>
<input type="checkbox"/>	Information	OK		<a href="#">25 Sep 2012 16:26:41</a>	15m 13s	<a href="#">Acknowledge</a> (32)	Switch	Operational status was changed on Switch	<a href="#">R2.00.010 Port 12 on Unit 1</a>
<input type="checkbox"/>	Warning	PROBLEM		<a href="#">25 Sep 2012 11:41:49</a>	5h 5s	<a href="#">Acknowledge</a> (1141)		Too many processes on	<a href="#">Add</a>
<input type="checkbox"/>	Warning	PROBLEM		<a href="#">16 Sep 2012 00:29:03</a>	9d 16h 12m	<a href="#">Acknowledge</a> (2)		Free disk space is less than 20% on volume E:\	<a href="#">Add</a>
<input type="checkbox"/>	Warning	PROBLEM		<a href="#">05 Sep 2012 00:01:06</a>	20d 16h 40m	<a href="#">Acknowledge</a> (14)		Free disk space is less than 20% on volume /	<a href="#">Add</a>
<input type="checkbox"/>	Information	PROBLEM		<a href="#">22 Aug 2012 12:48:08</a>	1m 4d 3h	<a href="#">Acknowledge</a> (28)	Switch	Operational status was changed on Switch	<a href="#">R2.00.010 Port 12 on Unit 1</a>
<input type="checkbox"/>	Information	PROBLEM		<a href="#">22 Aug 2012 12:34:08</a>	1m 4d 4h	<a href="#">Acknowledge</a> (33)	Switch	Operational status was changed on Switch	<a href="#">R2.00.010 Port 7 on Unit 1</a>
<input type="checkbox"/>	Information	PROBLEM		<a href="#">22 Aug 2012 10:50:07</a>	1m 4d 5h	<a href="#">Acknowledge</a> (46)	Switch	Operational status was changed on Switch	<a href="#">R2.00.010 Port 16 on Unit 1</a>
<input type="checkbox"/>	Warning	PROBLEM		<a href="#">11 Aug 2012 02:12:07</a>	1m 15d 14h	<a href="#">Acknowledge</a> (1)		Free disk space is less than 20% on volume I:\	<a href="#">Add</a>
<input type="checkbox"/>	Warning	PROBLEM		<a href="#">11 Aug 2012 02:12:06</a>	1m 15d 14h	<a href="#">Acknowledge</a> (1)		Free disk space is less than 20% on volume H:\	<a href="#">Add</a>
<input type="checkbox"/>	Warning	PROBLEM		<a href="#">11 Aug 2012 02:12:05</a>	1m 15d 14h	<a href="#">Acknowledge</a> (1)		Free disk space is less than 20% on volume G:\	<a href="#">Add</a>
<input type="checkbox"/>	Warning	PROBLEM		<a href="#">11 Aug 2012 02:12:04</a>	1m 15d 14h	<a href="#">Acknowledge</a> (1)		Free disk space is less than 20% on volume F:\	<a href="#">Add</a>
<input type="checkbox"/>	Average	PROBLEM		<a href="#">15 Jul 2012 17:07:30</a>	2m 11d 23h	<a href="#">Acknowledge</a> (5)		Zabbix agent on is unreachable for 5 minutes	<a href="#">Add</a>
<input type="checkbox"/>	Warning	PROBLEM		<a href="#">12 Jul 2012 08:42:24</a>	2m 15d 7h	<a href="#">Acknowledge</a> (1)		Lack of free swap space on	<a href="#">Show</a>
<input type="checkbox"/>	Average	PROBLEM		<a href="#">05 Jul 2012 15:38:58</a>	2m 22d 1h	<a href="#">Acknowledge</a> (3)	Zabbix server	Zabbix unreachable poller processes more than 75% busy	<a href="#">Add</a>
<input type="checkbox"/>	Warning	PROBLEM		<a href="#">28 Jun 2012 16:31:15</a>	2m 29d	<a href="#">Acknowledge</a> (1)		Free disk space is less than 20% on volume D:\	<a href="#">Add</a>
<input type="checkbox"/>	Warning	PROBLEM		<a href="#">28 Jun 2012 15:53:49</a>	2m 29d	<a href="#">Acknowledge</a> (1)		Free disk space is less than 20% on volume D:\	<a href="#">Add</a>
<input type="checkbox"/>	Warning	PROBLEM		<a href="#">14 Jun 2012 11:14:06</a>	3m 13d 5h	<a href="#">Acknowledge</a> (1)		Free disk space is less than 20% on volume F:\	<a href="#">Add</a>
<input type="checkbox"/>	Warning	PROBLEM		<a href="#">14 Jun 2012 11:13:44</a>	3m 13d 5h	<a href="#">Acknowledge</a> (1)		Free disk space is less than 20% on volume /	<a href="#">Add</a>
<input type="checkbox"/>	Warning	PROBLEM		<a href="#">14 Jun 2012 11:13:22</a>	3m 13d 5h	<a href="#">Acknowledge</a> (1)		Free disk space is less than 20% on volume /bkp01	<a href="#">Add</a>
<input type="checkbox"/>	Warning	PROBLEM		<a href="#">14 Jun 2012 11:13:21</a>	3m 13d 5h	<a href="#">Acknowledge</a> (1)		Free disk space is less than 20% on volume /	<a href="#">Add</a>
<input type="checkbox"/>	Warning	PROBLEM		<a href="#">14 Jun 2012 10:28:02</a>	3m 13d 6h	<a href="#">Acknowledge</a> (1)		Free disk space is less than 20% on volume C:\	<a href="#">Add</a>

 Bulk acknowledge  Go (0)

## ACOMPANHANDO AS NOTIFICAÇÕES:

Administration // Notification

History: Status of triggers &gt; Notification report &gt; Status of triggers &gt; Notification report &gt; Status of triggers

## Notifications

Media type all  Period Weekly  Year 2012 

From	Till	Admin	guest

26 Dec 2011 00:00	02 Jan 2012 00:00	0 (0/0/0)	0 (0/0/0)
02 Jan 2012 00:00	09 Jan 2012 00:00	0 (0/0/0)	0 (0/0/0)
09 Jan 2012 00:00	16 Jan 2012 00:00	0 (0/0/0)	0 (0/0/0)
16 Jan 2012 00:00	23 Jan 2012 00:00	0 (0/0/0)	0 (0/0/0)
23 Jan 2012 00:00	30 Jan 2012 00:00	0 (0/0/0)	0 (0/0/0)
30 Jan 2012 00:00	06 Feb 2012 00:00	0 (0/0/0)	0 (0/0/0)
06 Feb 2012 00:00	13 Feb 2012 00:00	0 (0/0/0)	0 (0/0/0)
13 Feb 2012 00:00	20 Feb 2012 00:00	0 (0/0/0)	0 (0/0/0)
20 Feb 2012 00:00	26 Feb 2012 23:00	0 (0/0/0)	0 (0/0/0)
26 Feb 2012 23:00	04 Mar 2012 23:00	0 (0/0/0)	0 (0/0/0)
04 Mar 2012 23:00	11 Mar 2012 23:00	0 (0/0/0)	0 (0/0/0)
11 Mar 2012 23:00	18 Mar 2012 23:00	0 (0/0/0)	0 (0/0/0)
18 Mar 2012 23:00	25 Mar 2012 23:00	0 (0/0/0)	0 (0/0/0)
25 Mar 2012 23:00	01 Apr 2012 23:00	0 (0/0/0)	0 (0/0/0)
01 Apr 2012 23:00	08 Apr 2012 23:00	0 (0/0/0)	0 (0/0/0)
08 Apr 2012 23:00	15 Apr 2012 23:00	0 (0/0/0)	0 (0/0/0)
15 Apr 2012 23:00	22 Apr 2012 23:00	0 (0/0/0)	0 (0/0/0)
22 Apr 2012 23:00	29 Apr 2012 23:00	0 (0/0/0)	0 (0/0/0)
29 Apr 2012 23:00	06 May 2012 23:00	0 (0/0/0)	0 (0/0/0)
06 May 2012 23:00	13 May 2012 23:00	0 (0/0/0)	0 (0/0/0)
13 May 2012 23:00	20 May 2012 23:00	0 (0/0/0)	0 (0/0/0)
20 May 2012 23:00	27 May 2012 23:00	0 (0/0/0)	0 (0/0/0)
27 May 2012 23:00	03 Jun 2012 23:00	0 (0/0/0)	0 (0/0/0)
03 Jun 2012 23:00	10 Jun 2012 23:00	0 (0/0/0)	0 (0/0/0)
10 Jun 2012 23:00	17 Jun 2012 23:00	197 (0/0/0/197)	0 (0/0/0)
17 Jun 2012 23:00	24 Jun 2012 23:00	324 (0/0/0/324)	0 (0/0/0)
24 Jun 2012 23:00	01 Jul 2012 23:00	271 (0/0/0/271)	0 (0/0/0)
01 Jul 2012 23:00	08 Jul 2012 23:00	551 (0/0/0/551)	0 (0/0/0)
08 Jul 2012 23:00	15 Jul 2012 23:00	482 (0/0/0/482)	0 (0/0/0)
15 Jul 2012 23:00	22 Jul 2012 23:00	631 (0/0/0/631)	0 (0/0/0)
22 Jul 2012 23:00	29 Jul 2012 23:00	638 (0/0/0/638)	0 (0/0/0)
29 Jul 2012 23:00	05 Aug 2012 23:00	670 (0/0/0/670)	0 (0/0/0)
05 Aug 2012 23:00	12 Aug 2012 23:00	698 (0/0/0/698)	0 (0/0/0)
12 Aug 2012 23:00	19 Aug 2012 23:00	814 (0/0/0/814)	0 (0/0/0)
19 Aug 2012 23:00	26 Aug 2012 23:00	733 (0/0/0/733)	0 (0/0/0)
26 Aug 2012 23:00	02 Sep 2012 23:00	601 (0/0/0/601)	0 (0/0/0)
02 Sep 2012 23:00	09 Sep 2012 23:00	318 (0/0/0/318)	0 (0/0/0)
09 Sep 2012 23:00	16 Sep 2012 23:00	185 (0/0/0/185)	0 (0/0/0)
16 Sep 2012 23:00	23 Sep 2012 23:00	216 (0/0/0/216)	0 (0/0/0)
23 Sep 2012 23:00	25 Sep 2012 16:42	80 (0/0/0/80)	0 (0/0/0)

all ( Email / Jabber / SMS / Zabbix SendEmail )

## EXEMPLO DE E-MAILS RECEBIDOS PELO ADMIN:

Arrastar o cabeçalho de uma coluna para agrupar por esta coluna.					
		De	Assunto	Taman...	Categ...
				Recebido em	
1	✉	testedeo@.....br	OK: Operational status was changed on Switch .....	24TC R2.00.... 8 KB	ter 25/09/2012 16:27
2	✉	testedeo@.....br	PROBLEM: Operational status was changed on Switch .....	24T... 8 KB	ter 25/09/2012 16:27
3	✉	testedeo@.....br	OK: Operational status was changed on Switch D-Link .....	24TC R2.00.... 8 KB	ter 25/09/2012 16:27
4	✉	testedeo@.....br	PROBLEM: Operational status was changed on Switch .....	24T... 8 KB	ter 25/09/2012 16:27
5	✉	testedeo@.....br	PROBLEM: Operational status was changed on Switch .....	24T... 8 KB	ter 25/09/2012 16:26
6	✉	testedeo@.....br	PROBLEM: Operational status was changed on Switch .....	24T... 8 KB	ter 25/09/2012 16:26

## EXEMPLO DE MENSAGEM RECEBIDAS NO E-MAIL:

De: testedeo@.....br Para: André Déo Cc: Assunto: PROBLEM: Operational status was changed on Switch .....11 interface -24TC R2.00.010 Port 14 on Unit 1	Enviada em: ter 25/09/2012
Trigger: Operational status was changed on Switch ..... -24TC R2.00.010 Port 14 on Unit 1 Trigger status: PROBLEM Trigger severity: Information Trigger URL: Item values: 1. Operational status of interface ..... 24TC R2.00.010 Port 14 on Unit 1 (Switch .....11;ifOperStatus[ ..... -24TC R2.00.010 Port 14 on Unit 1]): down (2) 2. *UNKNOWN* (*UNKNOWN*;*UNKNOWN*); *UNKNOWN* 3. *UNKNOWN* (*UNKNOWN*;*UNKNOWN*); *UNKNOWN*	
De: testedeo@.....br Para: André Déo Cc: Assunto: OK: Operational status was changed on Switch .....11 interface -24TC R2.00.010 Port 14 on Unit 1	Enviada em: ter 25/09/2012
Trigger: Operational status was changed on Switch ..... -24TC R2.00.010 Port 14 on Unit 1 Trigger status: OK Trigger severity: Information Trigger URL: Item values: 1. Operational status of interface ..... 24TC R2.00.010 Port 14 on Unit 1 (Switch .....11;ifOperStatus[ ..... -24TC R2.00.010 Port 14 on Unit 1]): down (2) 2. *UNKNOWN* (*UNKNOWN*;*UNKNOWN*); *UNKNOWN* 3. *UNKNOWN* (*UNKNOWN*;*UNKNOWN*); *UNKNOWN*	

## REFERENCIAS:

[Lista Zabbix Brasil](#)  
[Fórum Oficial Zabbix](#)

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