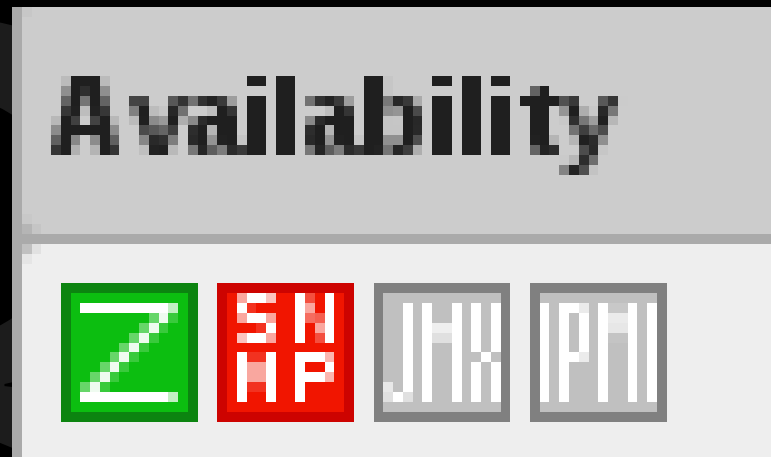


3.0

Sorry

ZBXNEXT-473

...but instead



Cleanup

Maintenance

Collect, process

Frontend usability

LLD

Bigstuff

Cleanup

TCP support for DNS items

```
net.dns.record[10.11.12.13,zabbix.com,,,tcp]
```

Cleanup

Some API love

```
{  
  "usrgrp": "7",  
  "name": "Zabbix administrators",  
  "rights": [  
    {  
      "permission": "3",  
      "id": "2"  
    }  
  ]  
}
```

Cleanup

Some LLD love

Trigger prototype

Dependencies

Name

Expression

Add

Expression constructor

Multiple PROBLEM events generation

☐

Cleanup

XML versioning

```
<?xml version="1.0" encoding="UTF-8"?>
<zabbix_export>
  <version>2.0</version>
  <date>2013-11-12T16:13:38Z</date>
  <groups>
    <group>
      <name>Templates</name>
    </group>
  </groups>
  <templates>
    <template>
      <template>Template App Zabbix Proxy</template>
```

Get ready for the future

2001:0db8:0000:0042:0000:8a2e:0370:7334

+



Cleanup

General frontend cleanup

MVC

More POST instead of GET

Less SID

Cleanup

Inventorise the inventory

Default host inventory mode

Changing it via discovery actions

Cleanup

Maintenance

Add and overadd

- Easier modifications
- Survive the upgrades

Maintenance

Execute

```
$ zabbix_server
```

```
--runtime-control
```

```
housekeeper_execute
```

Maintenance

Collect, process

Memory monitoring

`proc.mem[,,,,<memtype>]`

- VmSize?
- VmRSS?
- VmData

Collect, process

Logfile monitoring

Better performance

More reliable

Collect, process

Per-process CPU usage

proc.cpu.util

[<name>,<user>,<type>,<cmdline>,<mode>,<zone>]

Collect, process

Crontab

- m0-59 - every minute
- h9-17/2 - every 2 hours starting with 9:00
- m0,30 or m/30 - hourly at hh:00 and hh:30
- m/5 - every five minutes

Collect, process

Percentile

Percentile line (left)  95

`percentile(1h,,95)`

- In triggers
- In calculated items

Collect, process

Frontend usability

NEW DESIGN

Filter the top 100

Host/host group

Severity

Specific time period

100 busiest triggers

Filter ▲

Host groups

Hosts

Severity ☐ Not classified ☒ Warning ☒ High
☐ Information ☐ Average ☐ Disaster

From

Till

[Today](#) [Yesterday](#) [Current week](#) [Current month](#) [Current year](#)
[Last week](#) [Last month](#) [Last year](#)

Frontend usability

Improved dashboard

Dashboard

Dashboard filter Disabled

Host groups Selected

Show selected groups

Hide selected groups graphtest

Hosts ☒ Show hosts in maintenance

Triggers with severity ☒ Not classified
☒ Information
☒ Warning
☒ Average
☒ High
☒ Disaster

Trigger name like

Problem display All

UpdateCancel

Frontend usability

Resolve to what?

Sooo functional

Host macros		Inherited and host macros	
MACRO	EFFECTIVE VALUE	TEMPLATE VALUE	GLOBAL VALUE (CONFIGURE)
{A}	⇒ 1	Remove ⇐ second_level: "13"	⇐ "234"
{B}	⇒ 123	Change	⇐ "123"
{CPU_LOAD}	⇒ 5	Change	⇐ "5"
{IFACE_LO}	⇒ lo	Remove	
{NET_IFACE}	⇒ eth0	Remove	
{SECOND_LEVEL}	⇒ *\	Change ⇐ second_level: "*\	
{SSH_PORT}	⇒ 22	Remove	⇐ "22"
{TESTMACRO2}	⇒ testmacro2-template	Change ⇐ C_Template_Linux: "testmacro2-template"	

Frontend usability

Better event acknowledging

Alarm acknowledgements

Message

History

TIME	USER	MESSAGE
2015-09-12 13:28:12	Admin (Zabbix Administrator)	forgot about it, will get back to it as soon as possible
2015-09-12 13:27:40	Admin (Zabbix Administrator)	will work on it this week

Acknowledge

- ☐ Only selected event
- ☒ Selected and all unacknowledged PROBLEM events 1 event
- ☐ Selected and all unacknowledged events 1 event

Acknowledge

Cancel

Frontend usability

Happier users

Maps, screens, slideshows:

- Users can create them
- And share them

Frontend usability

Smaller things

More macros in trigger URL (HOST.IP, usermacros)

Alertscript parameter passing

Basic password policy

Less & better translatable strings

Frontend usability

LLD

SNMP

discovery[{#MACRO1}, oid1, {#MACRO2}, oid2, ...]

Discover ifDescr & ifAlias

LLD

Windows

LLDiscover Windows services

LLD

Where macros can be used

Units

IPMI sensor

Applications

Interface_{#IFNAME}

LLD

Databases

ODBC - db.odbc.discovery

+-----+-----+	
host	count
+-----+-----+	
Japan 1	5
Japan 2	12
Latvia	3
+-----+-----+	

Context

/ – 10%

/home – 20%

{ $\$<\text{MACRO}>:<\text{context}>$ }

{ $\$FSFREE$ } = 10

{ $\$FSFREE:/home$ } = 20

LLD

Bigstuff

Should not be spoken

13 selected

Enable

Disable

Export

Mass update

Delete

Bigstuff

ENCRYPTING DAEMON TRAFFIC WITH ZABBIX 3.0

```
"globalmacro" : {  
    "fields" : ["globalmacroid", "macro", "value"  
    "data" : [  
        [2, "{$SNMP_COMMUNITY}", "public"]  
    ]  
},  
"hosts" : {  
    "fields" : ["hostid", "host", "status", "ipmi"  
    "data" : [
```

Bigstuff

Trendy

forecast()

- In specified time, what the value will be?

timeleft()

- How much time left until the specified threshold reached?

Bigstuff

SMTP

Alertscript (sendEmail)

Relaying MTA

Easier SMTP

Media types

Name	Email		
Type	Email		
SMTP server	mail.zabbix.com		
SMTP server port	25		
SMTP helo	zabbix.com		
SMTP email	zabbix@company.com		
Connection security	None	STARTTLS	SSL/TLS
Authentication	None	Normal password	
Enabled	☐		
Update Clone Delete Cancel			

Map this

Item "Free memory" on "Server":
application "qwerty" does not exist.

Follow, follow

Zabbix manual, "What's new" page

IRC