



# Zabbix in 2017

The Universal Open Source Enterprise Level Monitoring Solution



# Gold Sponsors



## Silver Sponsors





246 participants  
32 countries

# TOP5 countries

- 1.
- 2.
- 3.
4. Germany **12**
5. France, Lithuania, USA **11**

\* excluding Latvia

# TOP5 countries

- 1.
- 2.
3. Italy **14**
4. Germany **12**
5. France, Lithuania, USA **11**

\* excluding Latvia

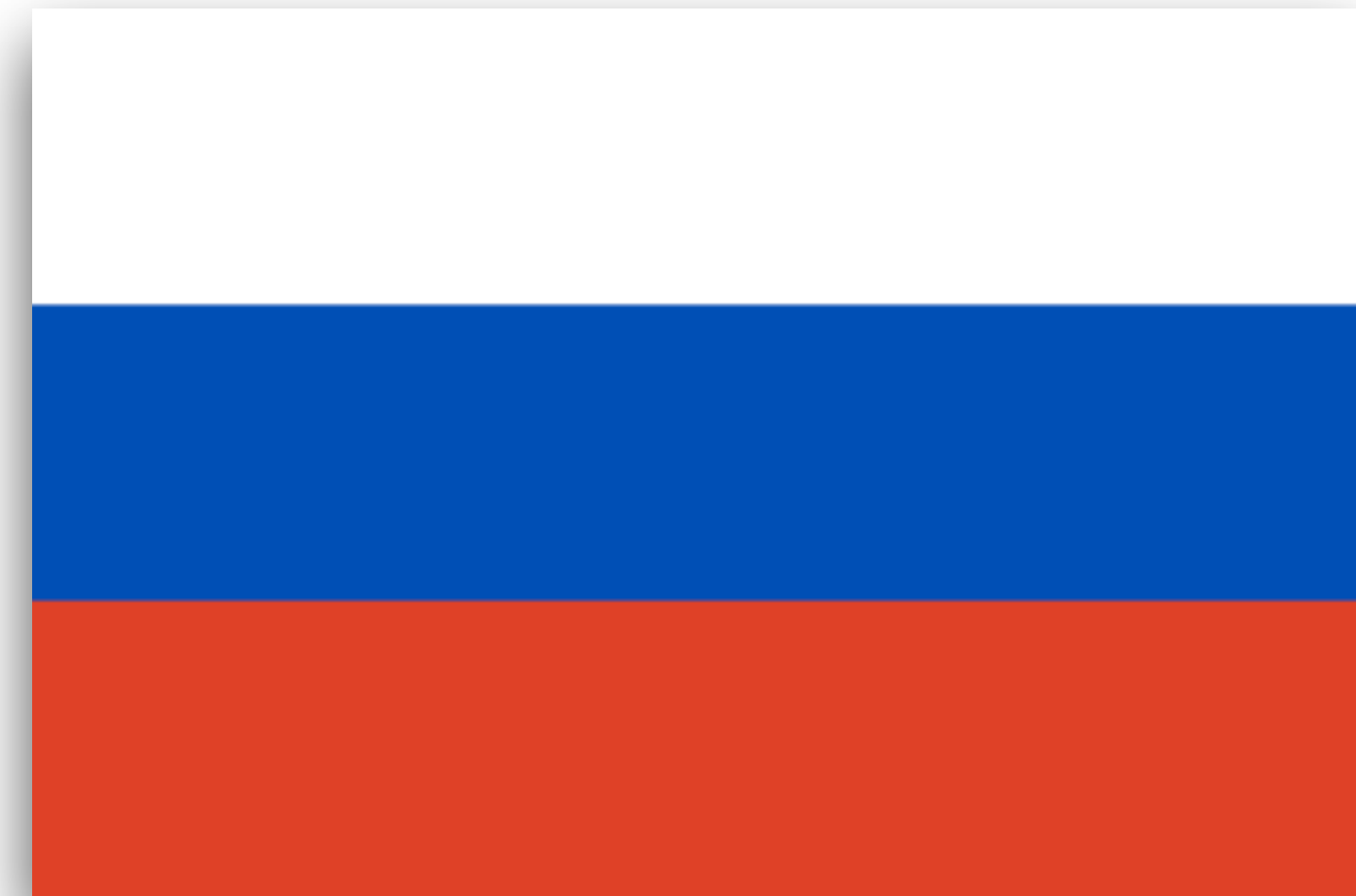
# TOP5 countries

- 1.
2. Estonia **19**
3. Italy **14**
4. Germany **12**
5. France, Lithuania, USA **11**

\* excluding Latvia

# TOP5 countries

1. **Russia 20**
2. Estonia **19**
3. Italy **14**
4. Germany **12**
5. France, Lithuania, USA **11**



\* excluding Latvia



# Zabbix Team





# Evolution of Zabbix

# Milestones

1997

First line of Zabbix code



# Milestones

2001

Zabbix 1.0alpha1 released as Free Software

1997

First line of Zabbix code

# Milestones

2004

Zabbix 1.0

2001

Zabbix 1.0alpha1 released as Free Software

1997

First line of Zabbix code



# Milestones

2005

Zabbix Company established

2004

Zabbix 1.0

2001

Zabbix 1.0alpha1 released as Free Software

1997

First line of Zabbix code

# Milestones

2009

Zabbix 1.8.0 including **Zabbix API**

2005

**Zabbix Company** established

2004

Zabbix 1.0

2001

Zabbix 1.0alpha1 released as **Free Software**

1997

First line of Zabbix code



# Business model

Services that save your time and money



More than 50 companies  
from Fortune 500 run  
Zabbix





# Some of Zabbix users





# Largest deployments

100.000 devices

5.000.000 metrics

5.000.000 triggers

TBs of daily data

10.000 proxies



Retail



Banking & Finance



IT & Telcos



Aerospace

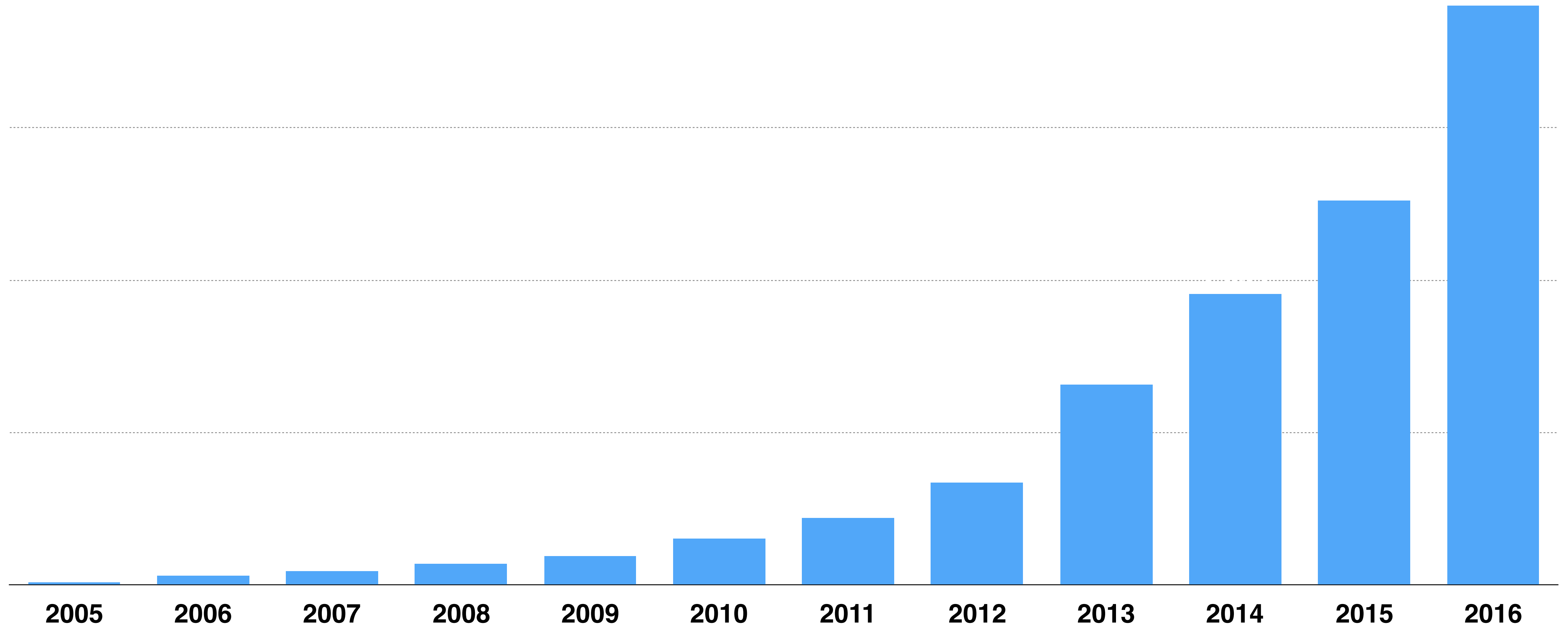
1.000.000 of unique IPs  
visiting our repository  
each month





# Steady organic growth

## 50% of annual revenue growth rate



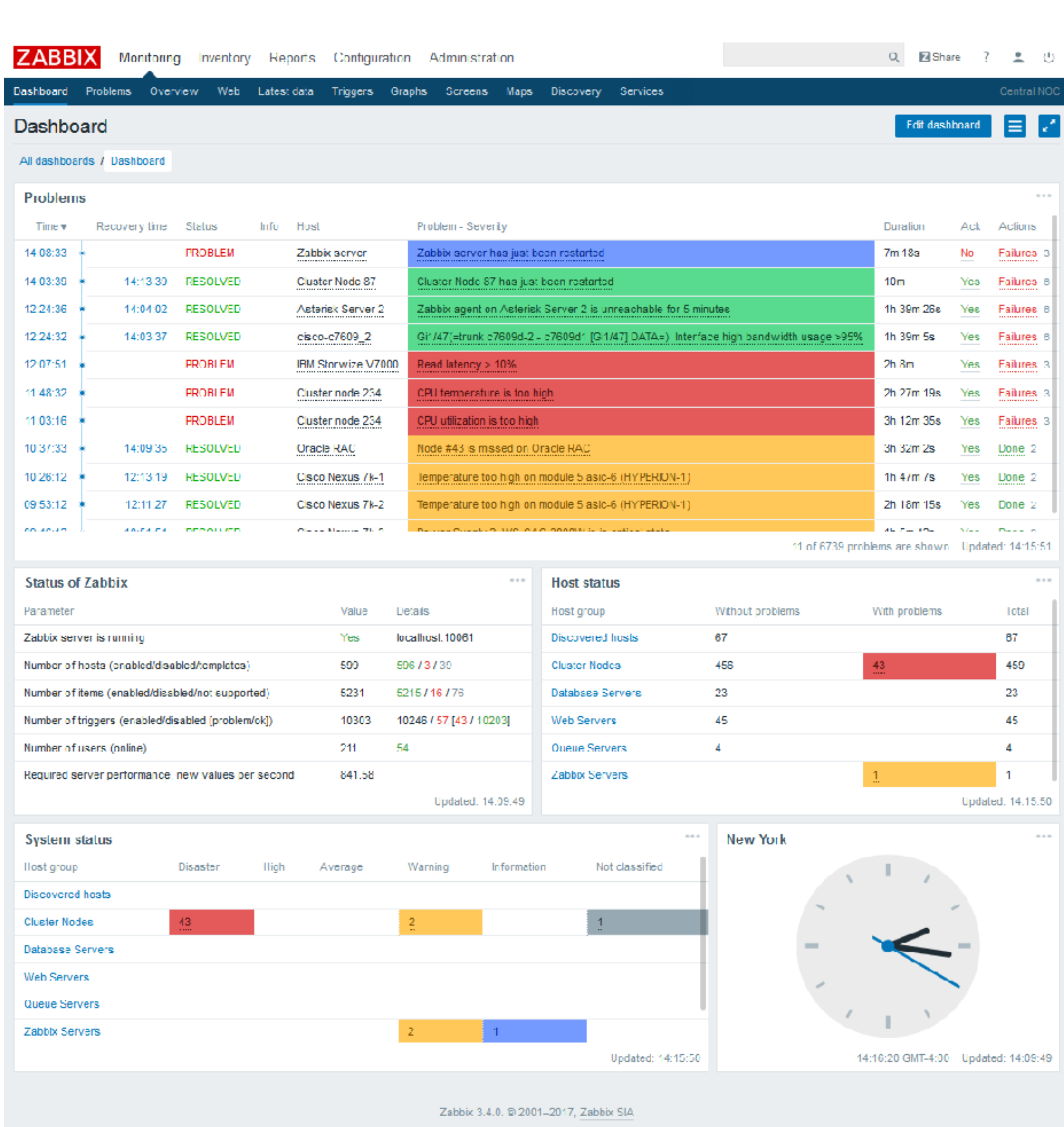
\* for Zabbix Group, which includes Zabbix SIA (Latvia), Zabbix Japan LLC (Japan), and Zabbix LLC (USA)

Zabbix is a **solid alternative** for traditional enterprise monitoring tools from big vendors

Zabbix 3.4 - the best release ever



A few improvements I'm  
very excited about



# Dashboards

Private cloud #24

All dashboards / Private cloud #24

Filter

Problems

Time	Recovery time	Status	Info	Host	Problem • Severity	Duration	Ack	Actions
2017-08-15 13:12:29		PROBLEM		ctrl-01	nova.api.openstack.extensions [req-48052bfe-d299-40d8-bf00-ff7ba66c4f7b jo admin] Unexpected exception in API method	1h 1m 52s	No	Done 2
2017-08-15 12:59:28	13:13:39	RESOLVED		ctrl-01	oslo_messaging.rpc.server [req-9763e632-a536-49d4-8393-702b8de759b4 admin admin] Exception during message handling	14m 11s	Yes	Done 2
2017-08-15 12:49:25		PROBLEM		compute-04	Failed to spawn container "instance-0000004"	24m 56s	Yes	Done 2
2017-08-15 12:49:25		PROBLEM		instance-0000004	Instance failed to spawn	24m 56s	Yes	Done 2
2017-08-15 10:38:11	12:27:53	RESOLVED		ctrl-01	nova.api.openstack.extensions [req-aae9f648-55ac-4b7d-a07a-0e013aca41d7 admin admin] Unexpected exception in API method	1h 49m 42s	Yes	Done 2
2017-08-15 10:13:00	12:25:12	RESOLVED		ctrl-01	Migration of instance 444d8e8a-d238-46d9-adc2-242d18173d62 to host compute-07 unexpectedly failed	2h 12m 12s	Yes	Done 2
2017-08-15 09:55:54	10:46:37	RESOLVED		ctrl-01	neutron.agent.ovsdb.impl_vscctl [req-0c62a340-d78e-49fb-a813-6b7060967368 None None] Unable to execute: constraint violation	50m 43s	Yes	Done 2
2017-08-15 09:55:05	10:43:41	RESOLVED		ctrl-01	nova.api.openstack.extensions [req-40cbda84-960e-425c-868e-c315552a90b2 admin admin] Unexpected exception in API method	48m 36s	Yes	Done 2

6 of 162 problems are shown Updated: 13:14:21



Open Stack Private Cloud #24

OpenStack Control Plane

Keystone

Glance

Heat

Neutron

Nova

Cinder

OpenStack Data Plane

Neutron

Nova

Ceph cluster

Cinder

Keystone

Middleware

RabbitMQ

Apache

haproxy

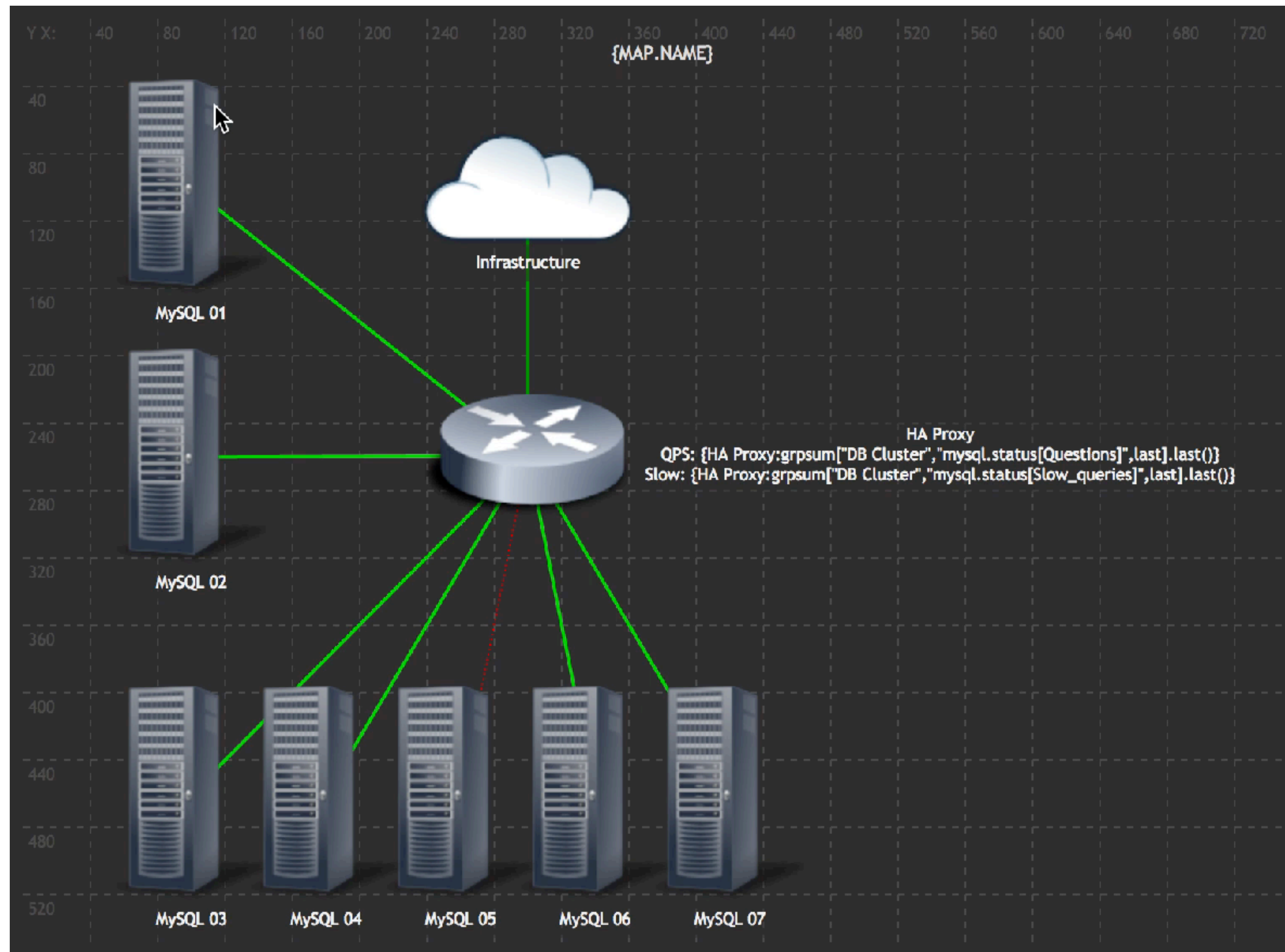
memcached

pacemaker

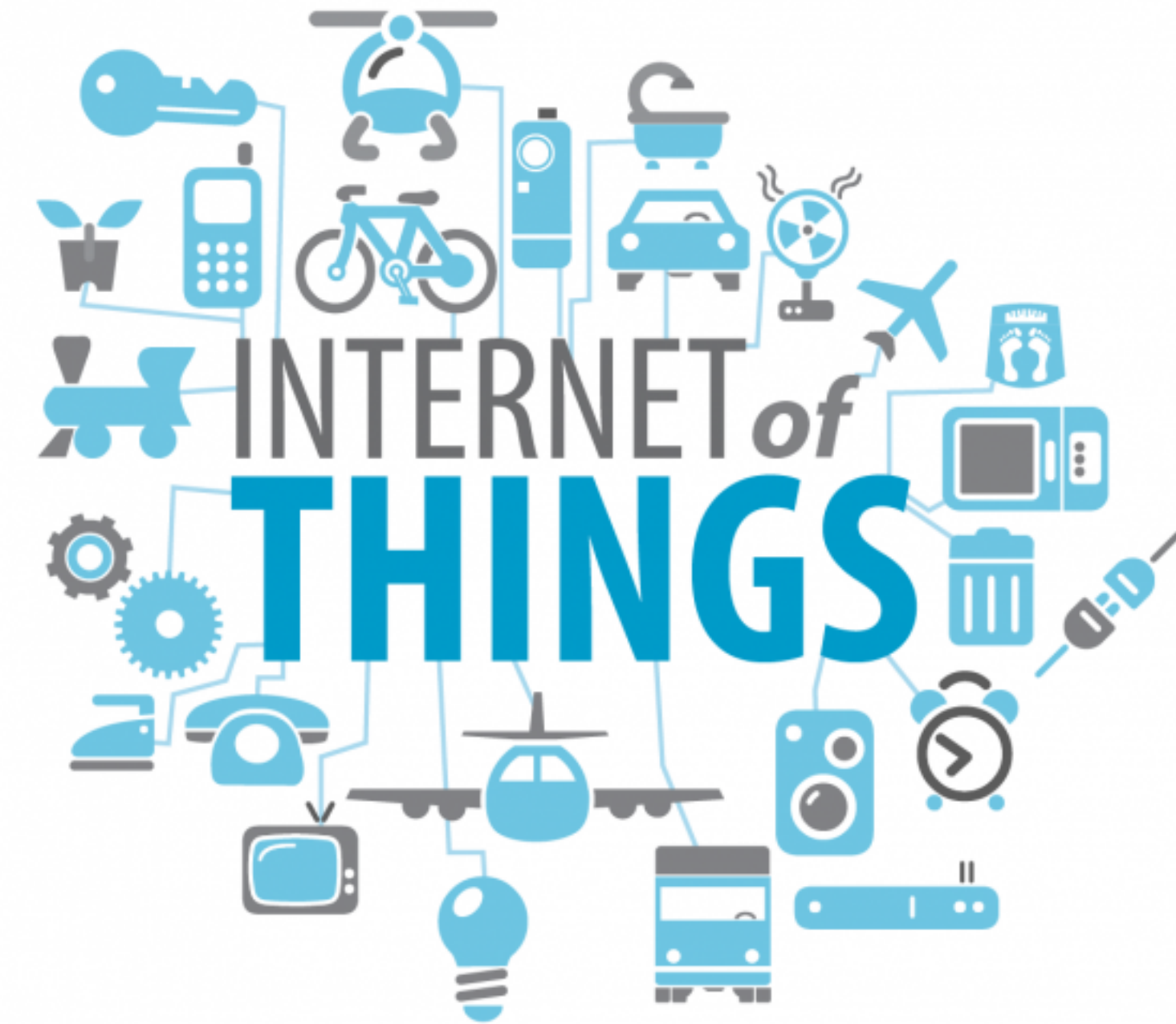
Updated: 13:14:21



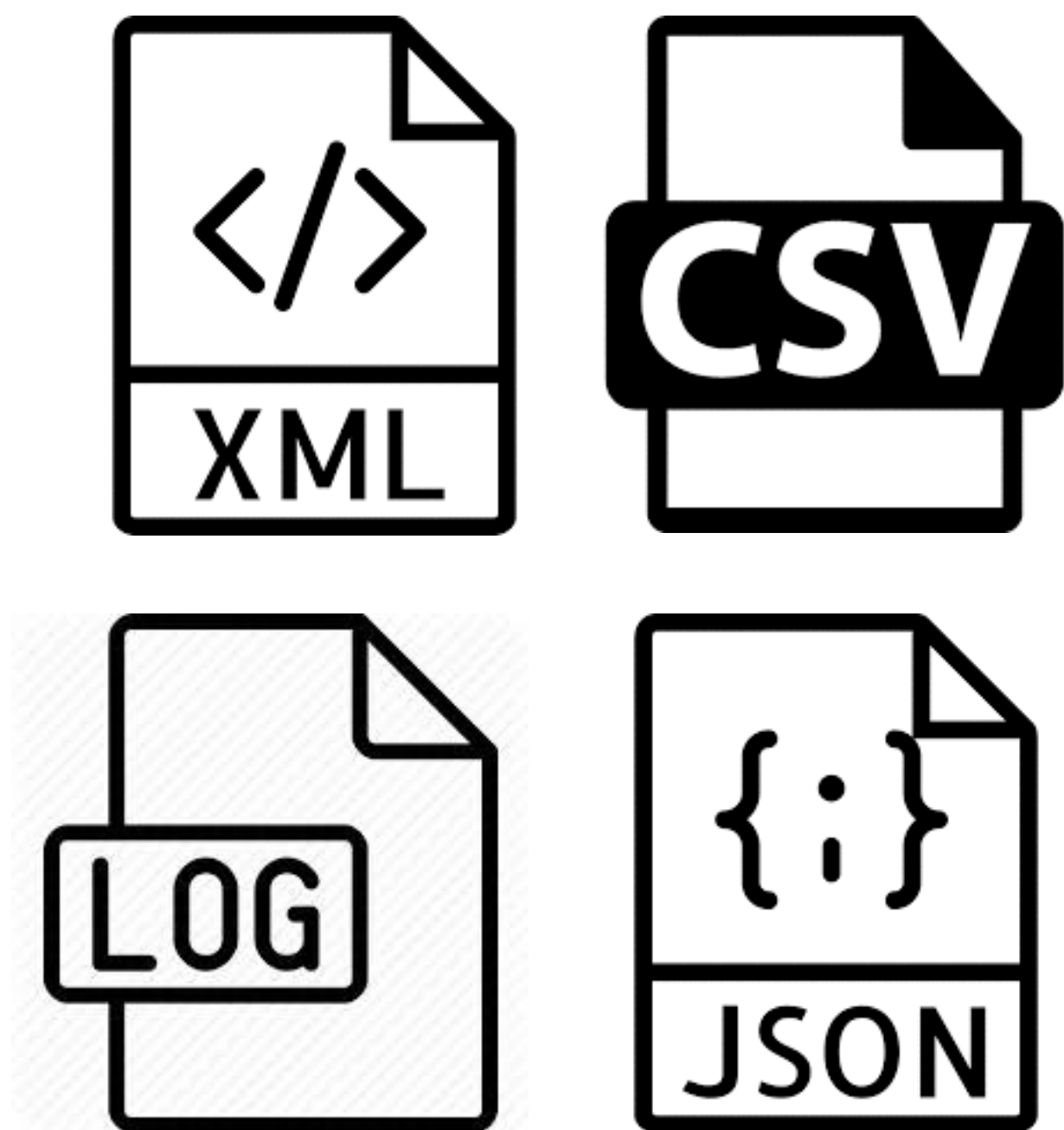
# Maps



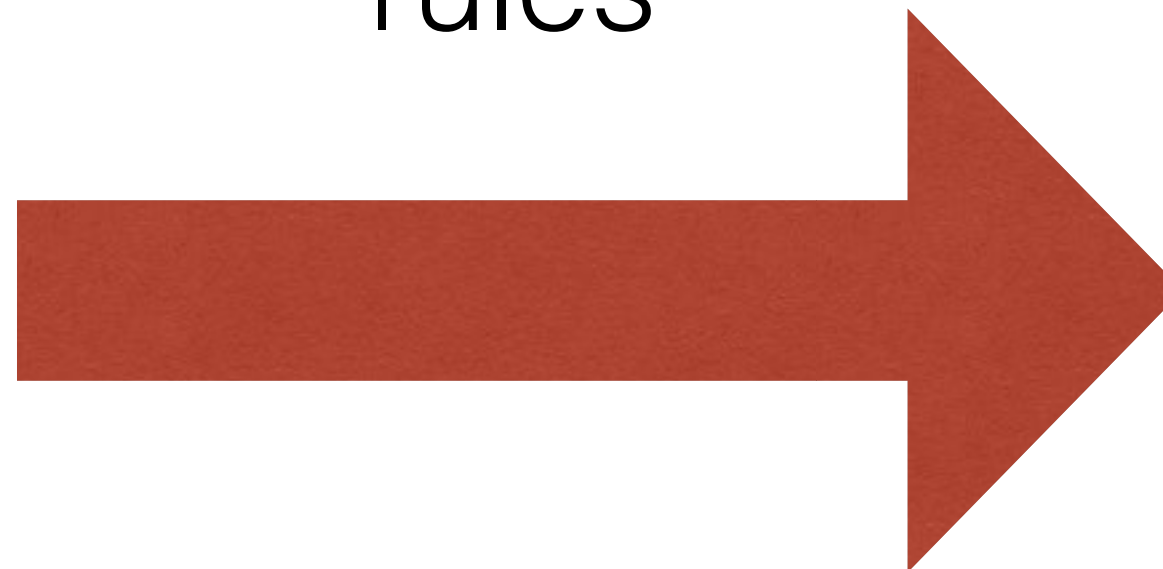
Ability to process  
any data efficiently



# Metrics



Transformation  
rules



.....  
Available memory  
CPU utilization  
Response time  
TPS  
Network utilization  
SSL certificate expiry date  
.....

Or any other format



Less time spent on Zabbix  
administration

Macros, LLD, pre-processing, etc

More details on Zabbix 3.4  
are coming today...

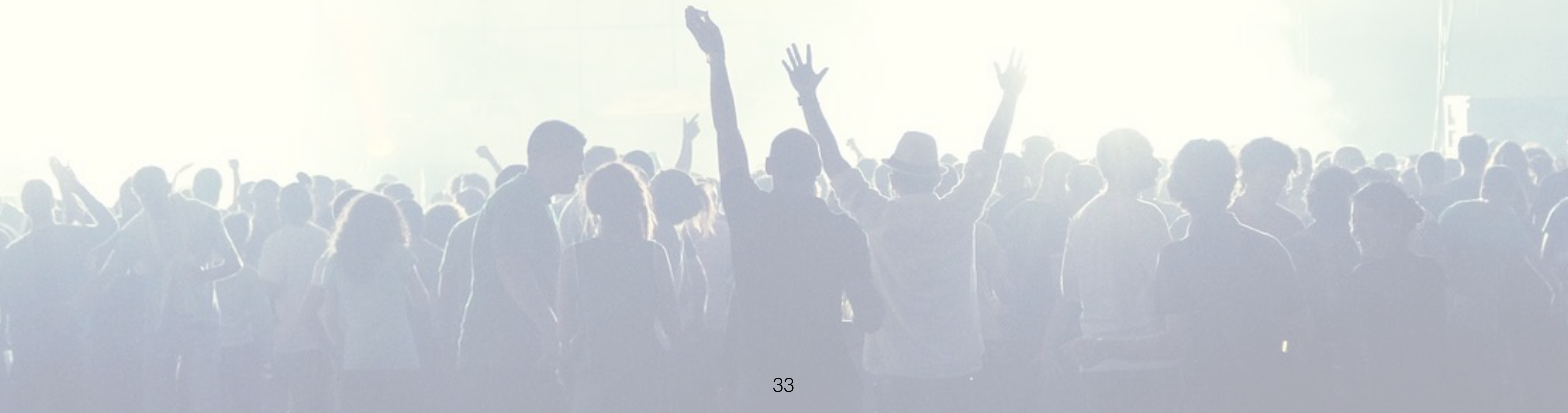
# Thinking about future

Zabbix 4.0, 4.2 and beyond



# What is missing in Zabbix?

Community: “Well, at least  
**2000** features are missing.”

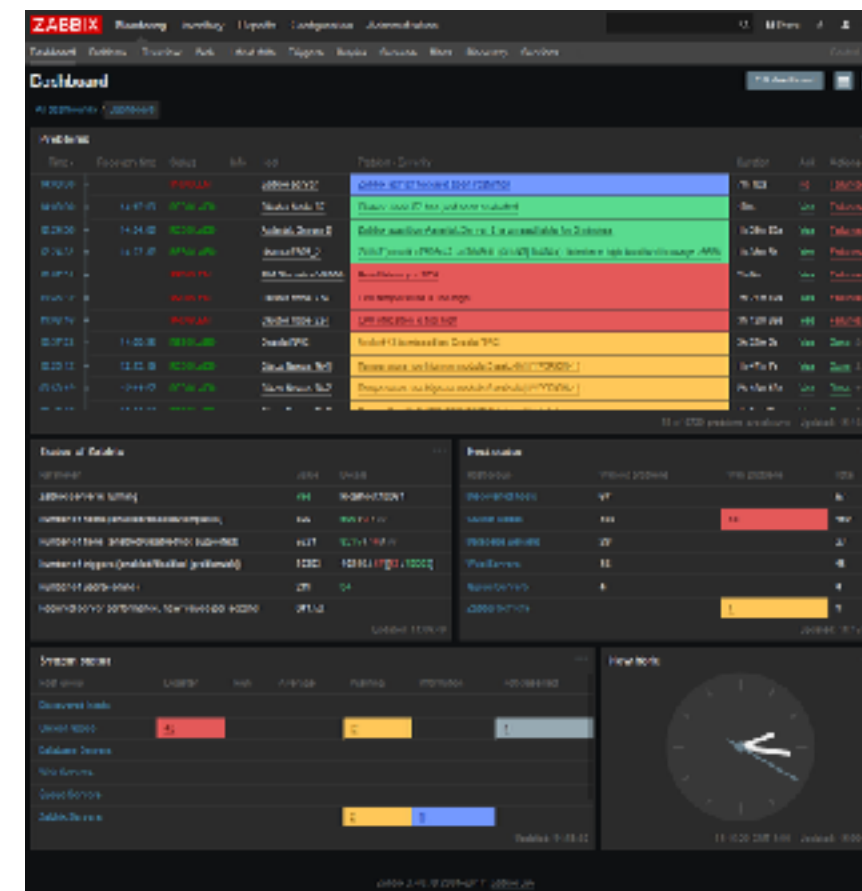


# Single pane of glass





**Hewlett Packard  
Enterprise**



Unified dashboard



# Root cause analysis

## 3.4

# Root cause analysis

Trigger dependencies  
Event correlation



3.4

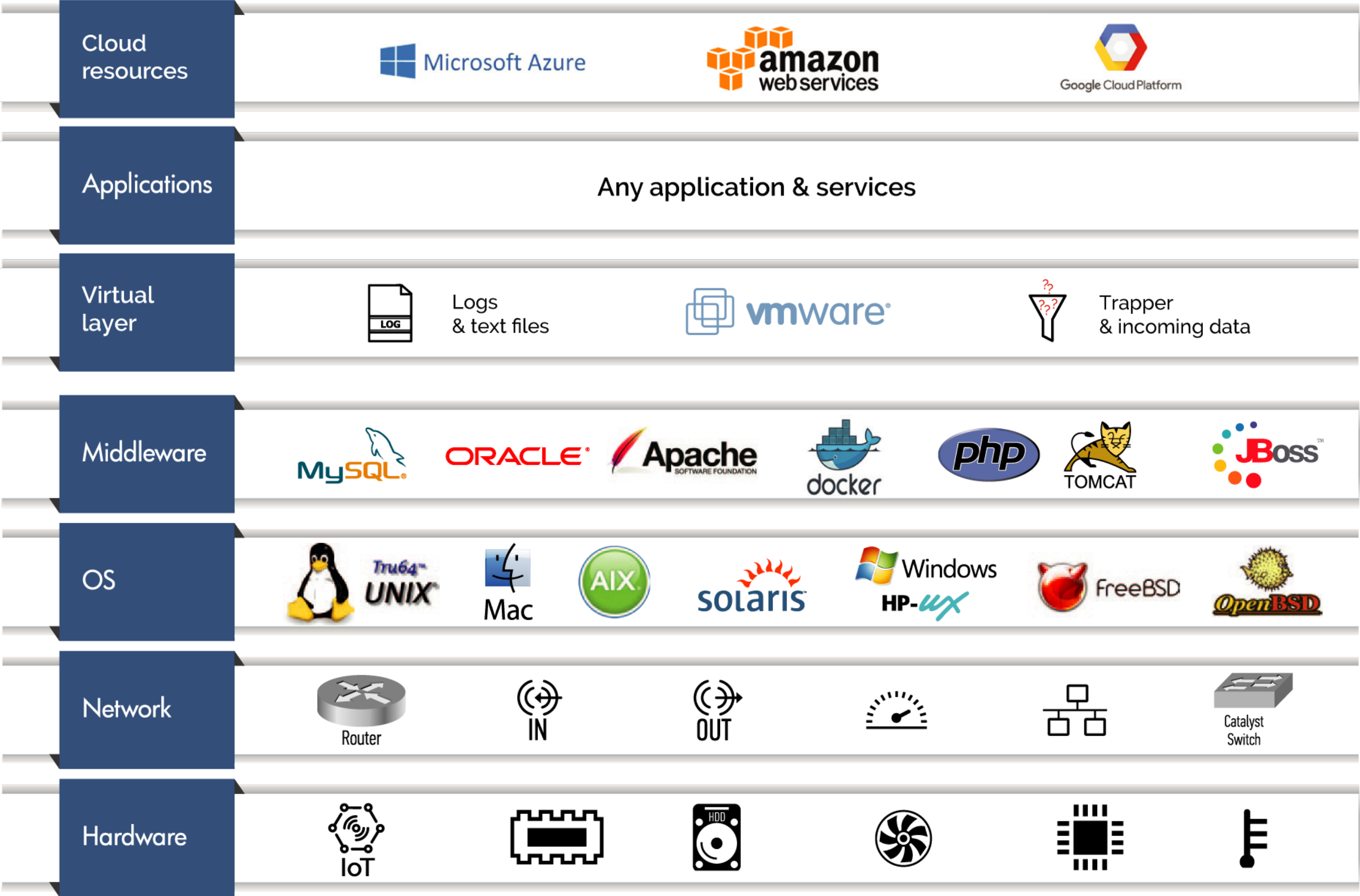
Trigger dependencies  
Event correlation

4.x

Relationship between problems  
Complex event processing  
(de-duplication, filtering,  
enrichment)

# Root cause analysis

# Service as a first class citizen





# Out of the box monitoring



# Performance

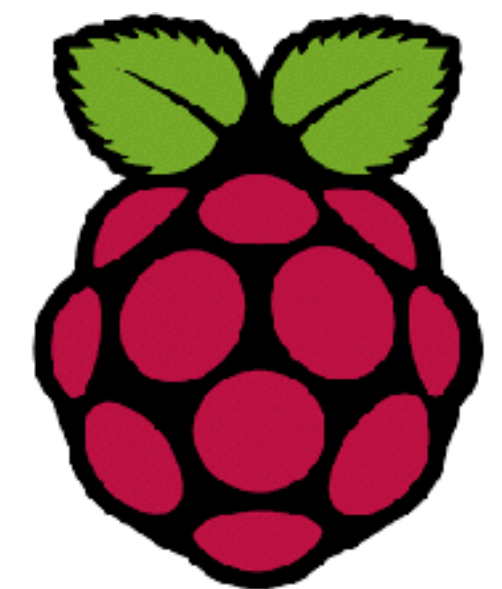
Zabbix 3.4

50.000 NVPS with history & triggers

300.000 NVPS no history & no triggers



# Minimizing delivery time



Official packages for **more hardware and cloud platforms**

# Zabbix: giving more freedom to users, efficiently

Software, supported platforms, services, modules, templates

# Enjoy the conference!

Thank you for your support!

