

Introduction to Zabbix

The Universal Open Source Enterprise Level Monitoring Solution

Who am I?

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Zabbix is a universal open
source enterprise level
monitoring solution

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Zabbix team

45 members working full-time

Offices in **Riga**
(Headquarters), **Tokyo** and
New-York

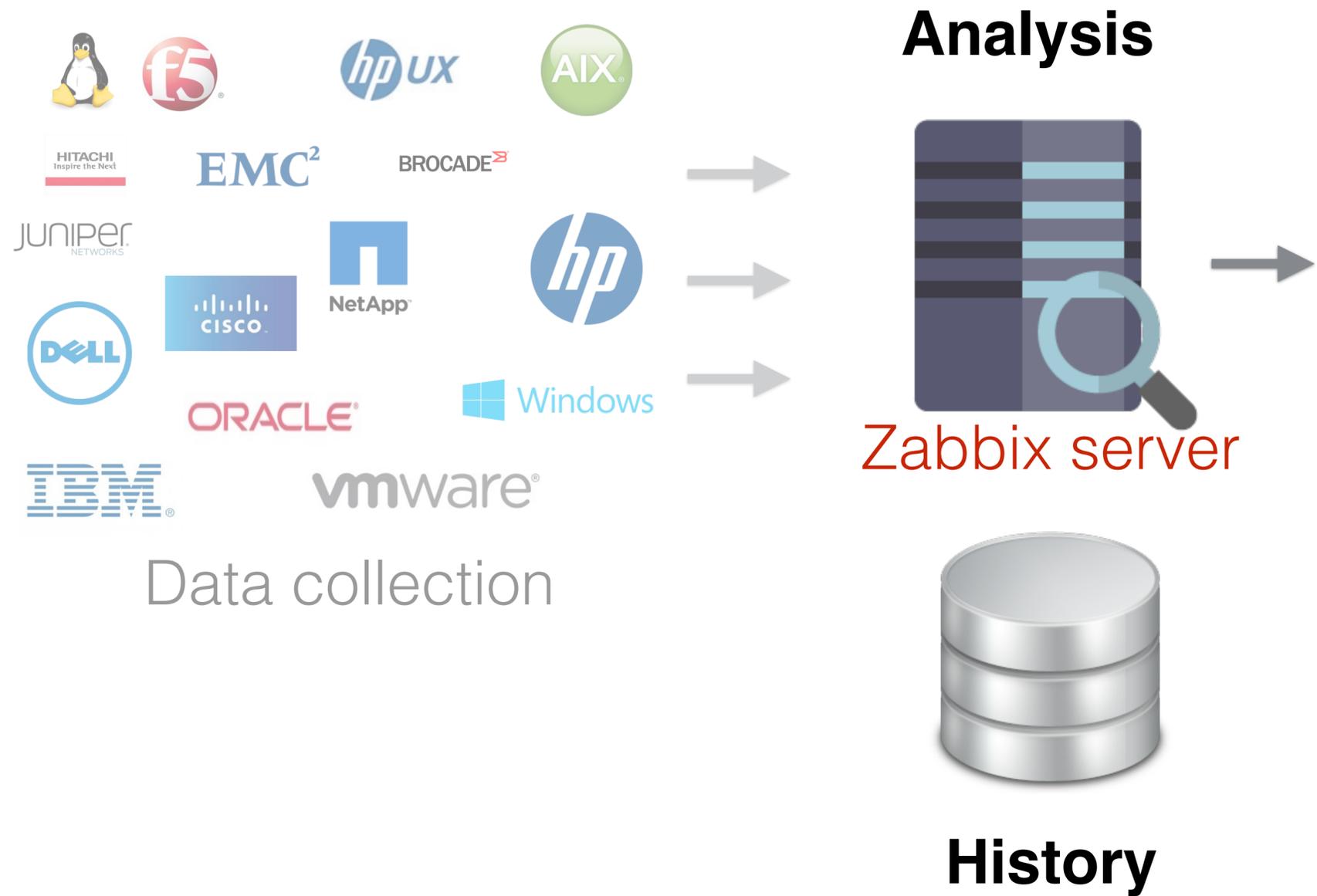
24x7 support for our
customers



Zabbix Architecture



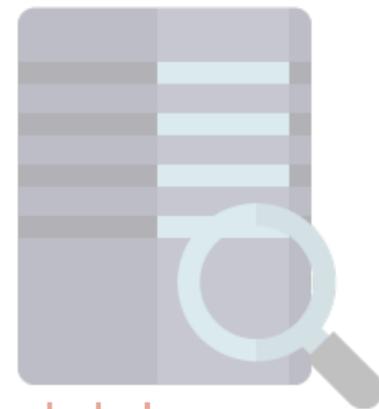
Data collection





Data collection

Analysis



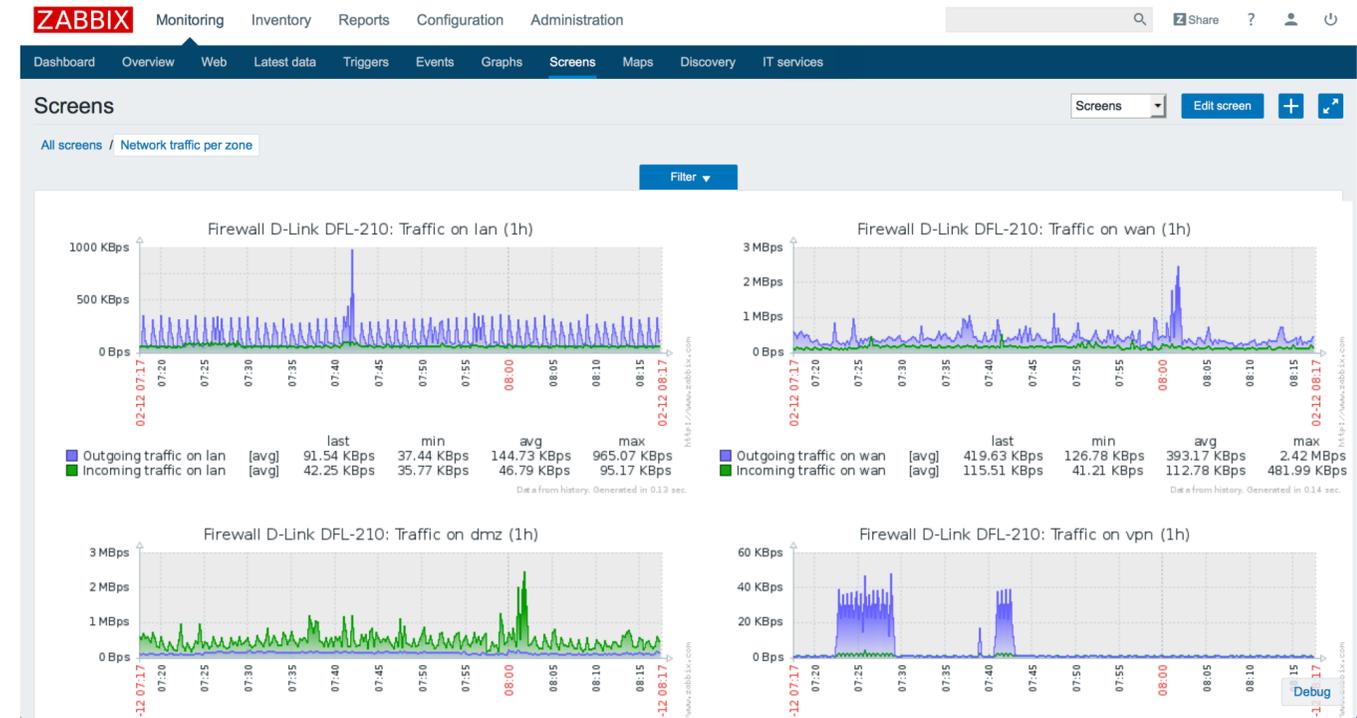
Zabbix server



History



Reaction:
Alerts
Automatic actions



WEB UI:
Visualization
Management

Custom dashboards

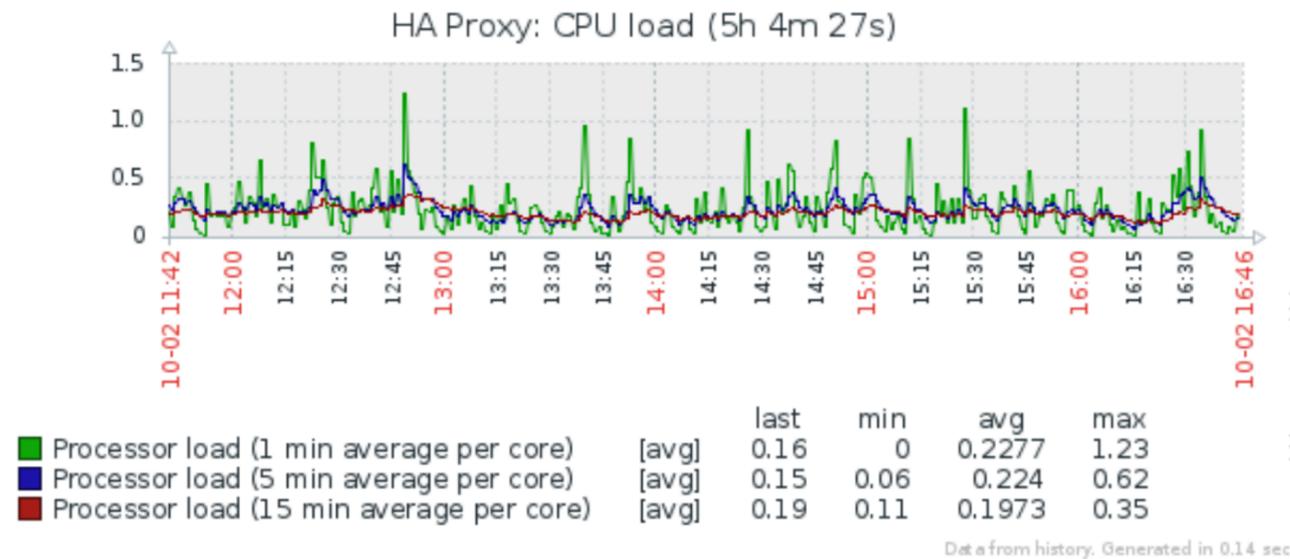
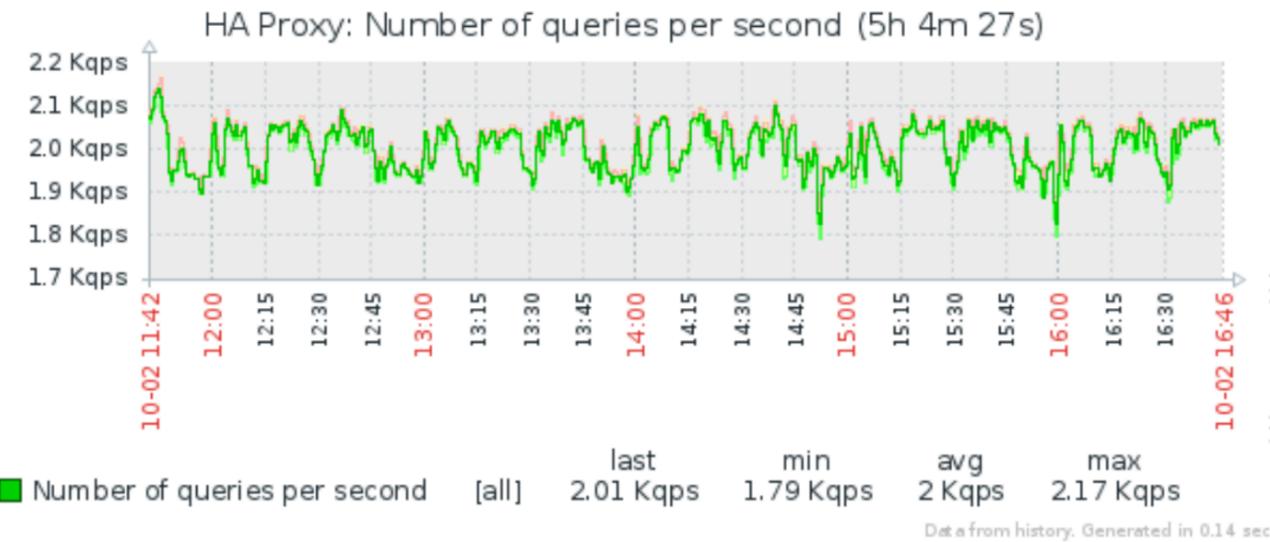
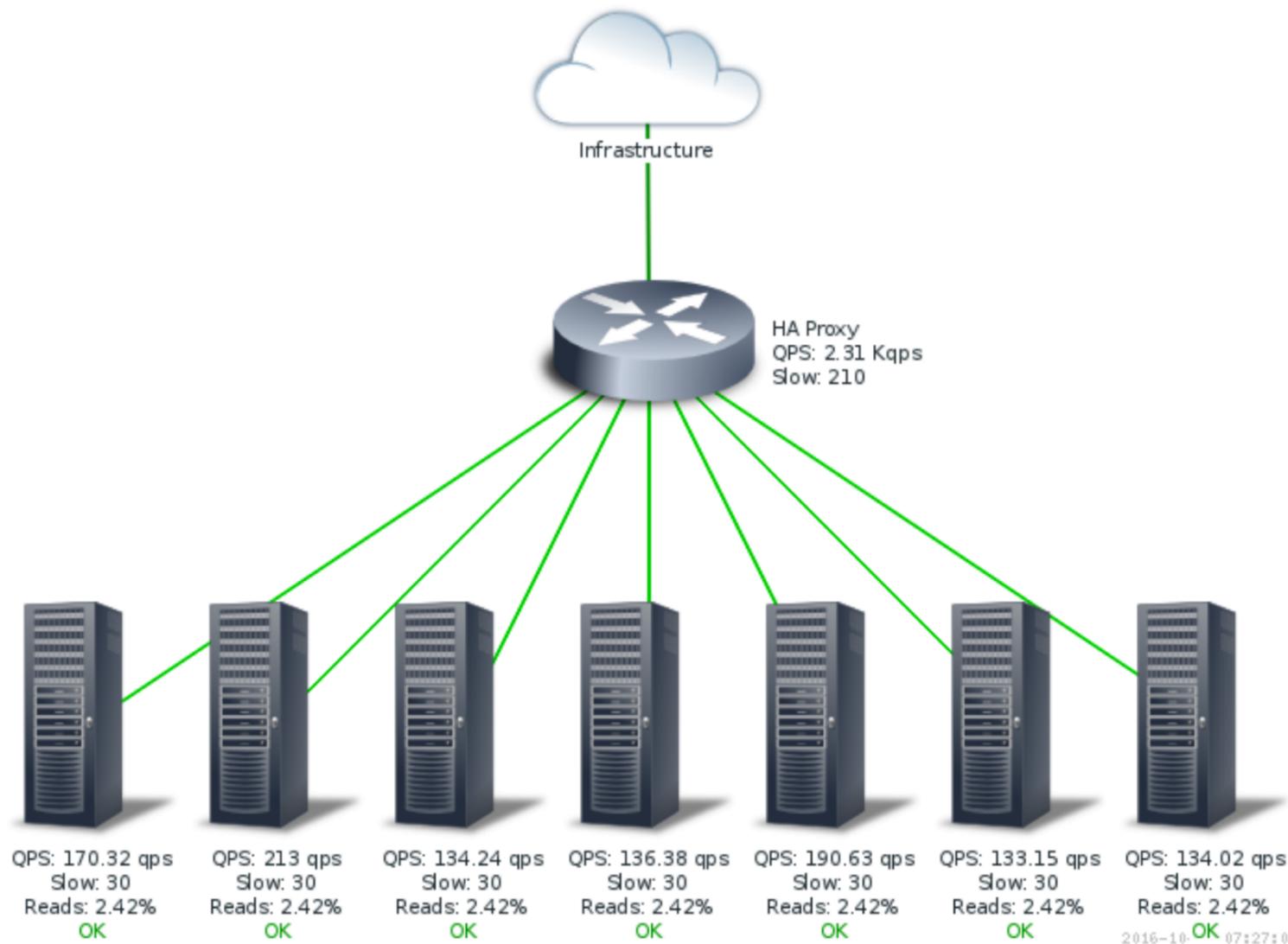
Screens

Screens Edit screen Star Refresh

All screens / Database performance

Filter

Database cluster



Problems

Export to CSV

Filter

Time	Severity	Recovery time	Status	Info	Host	Problem	Duration	Ack	Actions	Tags
11:59:31 AM	Average		PROBLEM		Linux900	Too many queries per second	1m 23s	Yes 1	Done 1	Datacenter: NY1 Env: Production Service: HTTP balancer
11:58:55 AM	Average		PROBLEM		Linux902	Too many transactions per second	1m 59s	No	Done 1	Datacenter: FR2 Env: Staging Service: Oracle
11:00										
10:13:32 AM	High		PROBLEM		Linux009	Service RestAPI stopped	1h 47m 22s	Yes 1		Datacenter: FR2 Env: Staging Service: RestAPI
10:11:06 AM	High		PROBLEM		Linux005	Service Redis stopped	1h 49m 48s	Yes 1		Datacenter: FR2 Env: Staging Service: Redis
Today										
09/13/2016 11:01:08 PM	Information		PROBLEM		Linux007	Slow query execution time	12h 59m 46s	No		Datacenter: NY1 Env: Production Service: AWS Dynam...
09/13/2016 10:48:24 PM	Average		PROBLEM		Linux903	Too many transactions per second	13h 12m 30s	No		Datacenter: FR2 Env: Staging Service: Oracle
09/13/2016 10:47:27 PM	Average	11:59:19 AM	RESOLVED		Linux900	Too many queries per second	13h 11m 52s	Yes 2		Datacenter: NY1 Env: Production Service: HTTP balancer
09/13/2016 10:47:04 PM	Average		PROBLEM		Linux009	Too many queries per second	13h 13m 50s	No		Datacenter: NY1 Env: Production Service: HTTP balancer
Yesterday										
09/07/2016 05:09:38 PM	Information		PROBLEM		Linux008	Low CPU utilization on host machines	6d 18h 51m	Yes 1		Datacenter: FR2 Service: Kubernetes
09/07/2016 09:58:08 AM	Average		PROBLEM		Linux001	Too many transactions per second	7d 2h 2m	Yes 1	Failures 1	Datacenter: FR2 Service: Oracle

Displaying 10 of 10 found

0 selected Bulk acknowledge

All parts of infrastructure



Trusted by



ZABBIX

**OVER
2 000 000
DOWNLOADS YEARLY**

**MORE THAN
18
YEARS OF
EXPERIENCE**

**TRANSLATED IN TO
15
LANGUAGES**

**MONITOR OVER
100 000
DEVICES**

**COLLECT OVER
10 000 000
METRICS**

**TRUE
100%
OPEN-SOURCE**

Why Zabbix?

All-in-one solution

Data collection	Agent based monitoring	Scalability	Centralized management	User permissions
Trend prediction	Service checks	Visualization	Maintenance	Integration with AD, OpenLDAP
Problem detection	Encryption	Auto discovery	Trigger dependencies	LLD
Automatic actions	Anomaly detection	Event correlation	IoT and embedded	Agent-less monitoring
Distributed monitoring	Zabbix API	Alerting	Escalations	... and more

Benefits of Zabbix

Free and Open Source Software

Extremely flexible monitoring platform

Easy to **adopt**, use commercial services if needed

No License Fees

Extremely low TCO

No vendor lock in

Thank you!

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The screenshot displays the Zabbix monitoring dashboard with the following sections:

- System status:** A table showing the overall health of the system.

HOST GROUP	DISASTER	HIGH	AVERAGE	WARNING	INFORMATION	NOT CLASSIFIED
Zabbix servers	0	0	1	2	0	0
- Host status:** A table showing the status of individual hosts.

HOST GROUP	WITHOUT PROBLEMS	WITH PROBLEMS	TOTAL
Zabbix servers	0	1	1
- Last 20 issues:** A list of recent system issues.

HOST	ISSUE	LAST CHANGE	AGE	INFO	ACK	ACTIONS
Zabbix server	Zabbix discoverer processes more than 75% busy	2015-06-26 18:53:35	22s		No	
Zabbix server	Lack of free swap space on Zabbix server	2015-06-26 18:53:30	27s		No	
Zabbix server	Processor load is too high on Zabbix server	2015-06-26 18:53:16	41s		No	
- Discovery status:** A table showing the status of discovery rules.

DISCOVERY RULE	UP	DOWN

Learn more at [Zabbix booth](#) or www.zabbix.com

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