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ZABBIX

How Zabbix can solve monitoring challenges for businesses

Ronald Schultz

Head of Sales

ZABBIX MISSION

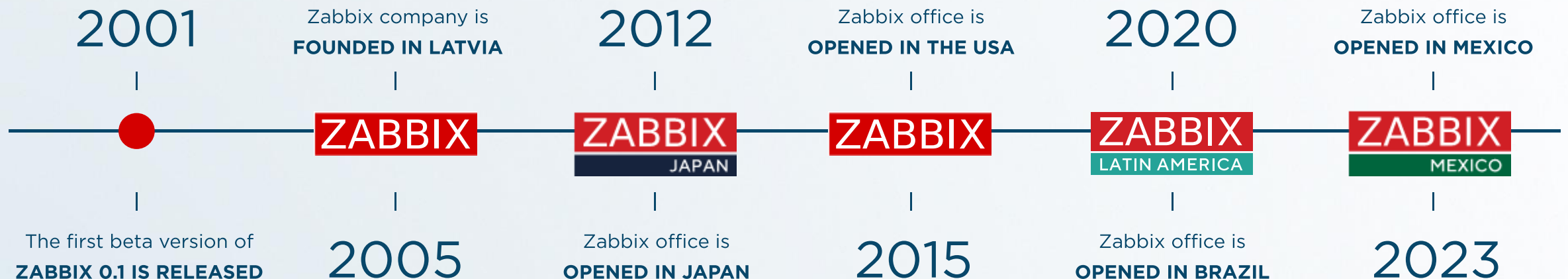
Our dream is
a world without
interruptions.



Company

About Zabbix

- Our story began in 1997 with a small group of passionate individuals who dared to challenge the status quo of monitoring solutions.



About Zabbix

ZABBIX

ZABBIX is an open-source, enterprise-level monitoring solution designed to monitor millions of metrics in real time, collected from tens of thousands of servers, virtual machines, network devices, and applications.



T-Systems



- ✓ Over 4 000 000 downloads worldwide.
- ✓ Over 300 000+ installations worldwide.
- ✓ ZABBIX is trusted by customers all over the globe.

Zabbix global offices

- We are headquartered in Riga, but over the years we have added offices in Tokyo, New York, Porto Alegre, and Mexico City.



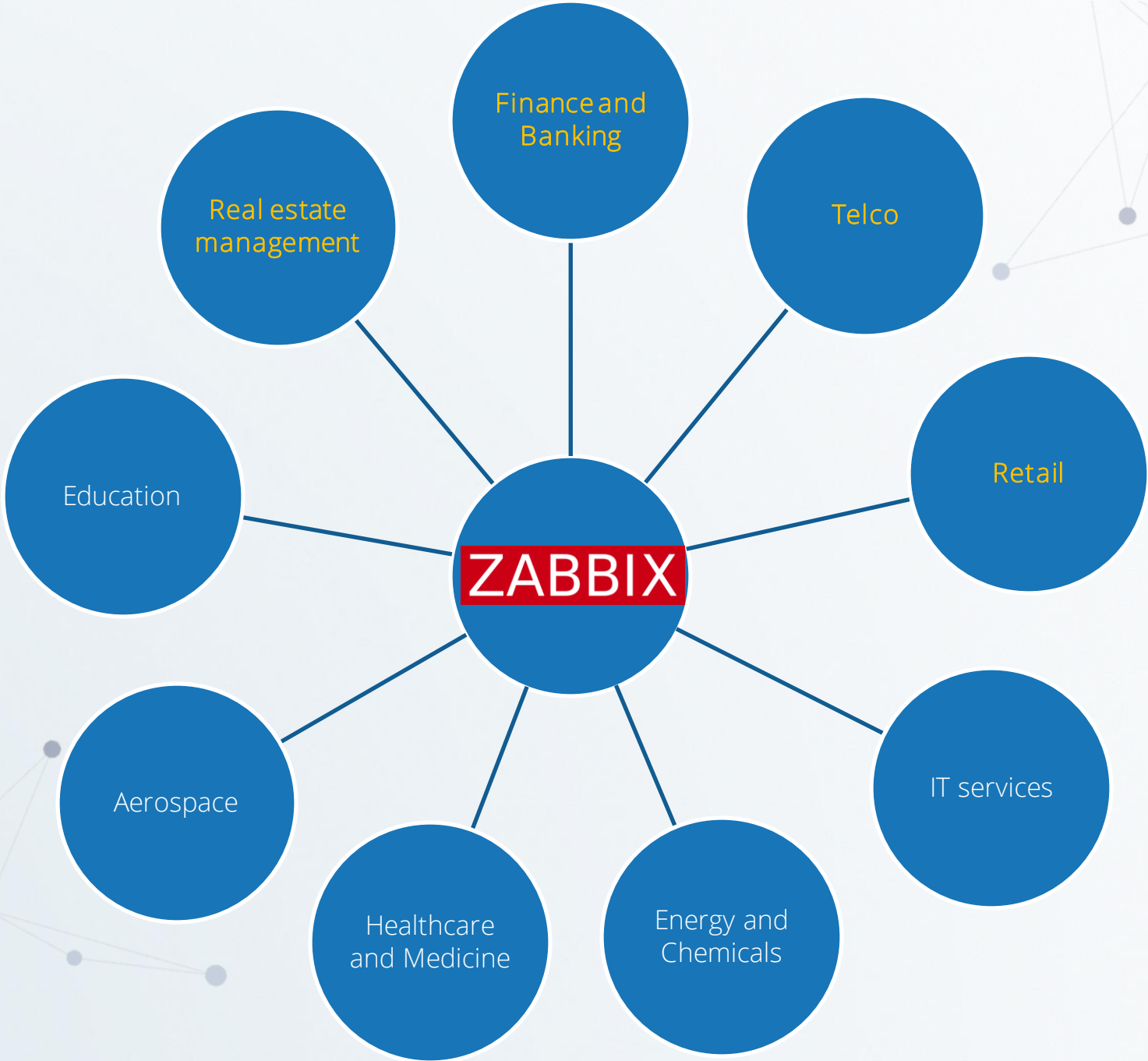
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How Zabbix can solve monitoring challenges for businesses



Banking and Finance



Challenges

- Secure and stable network availability to deliver authorization requests between the bank, subsidiaries and the ATM
- IT infrastructure component availability and resource utilization
- ATM hardware and software status and availability
- Software system availability:
 - Internetbank
 - Payment card system
 - Core banking system
 - KYC systems
 - AML solutions

Risks

- Reputation issues, due to inability to provide financial services 24x7
- Limited operations - ATM unavailability can cause service interruption for customers, which can lead to customer migration to other bank service providers.
- Financial risk of lost business – Network, payment card system or banking core system unavailability can lead to a massive loss of unprocessed business
- Legal - payment card system unavailability can revoke visa / mastercard license

Solution

- Collect and store performance and availability information from all hardware and software elements used in the financial industry.
- Process millions of checks per minute, considering very complex dependencies between different elements of infrastructure.
- Work with distributed architecture, including remote offices, branches, and ATMs.
- Analyze user experience 24 hours a day, 365 days a year.
- Notify specific people within departments about any issues or malfunctions.

Retail



Challenges

- Process automation – ERP, warehouses, logistics, and other related business software availability.
- Temperature-sensitive product storage.
- Tracking of online / offline visitor count and real time reaction in case of sudden changes.
- Payment card system availability.
- Employee time shift / store working time management.
- Cash availability in physical stores.

Risks

Financial risk:

- Missed business due to product unavailability during peak season.
- Lost business due to payment systems not working.
- Lost business due to cash unavailability in physical stores.
- Overall poor customer experience.

Solution

- Integration with ERP software to ensure uptime.
- Control and monitoring of operations for all equipment.
- Automation of system functionalities.
- Alarms if any involved unit is broken or damaged.
- Notification in case of delays or time shifts.
- Monitoring of cash terminals and the amounts in them.
- Monitoring of access system log entries.

Real Estate Management



Challenges


























- Keeping maintenance costs low.
- Tracking property maintenance data in real time.
- Predicting potential issues.
- Automatically alerting the right person in case of emergency.

Risks

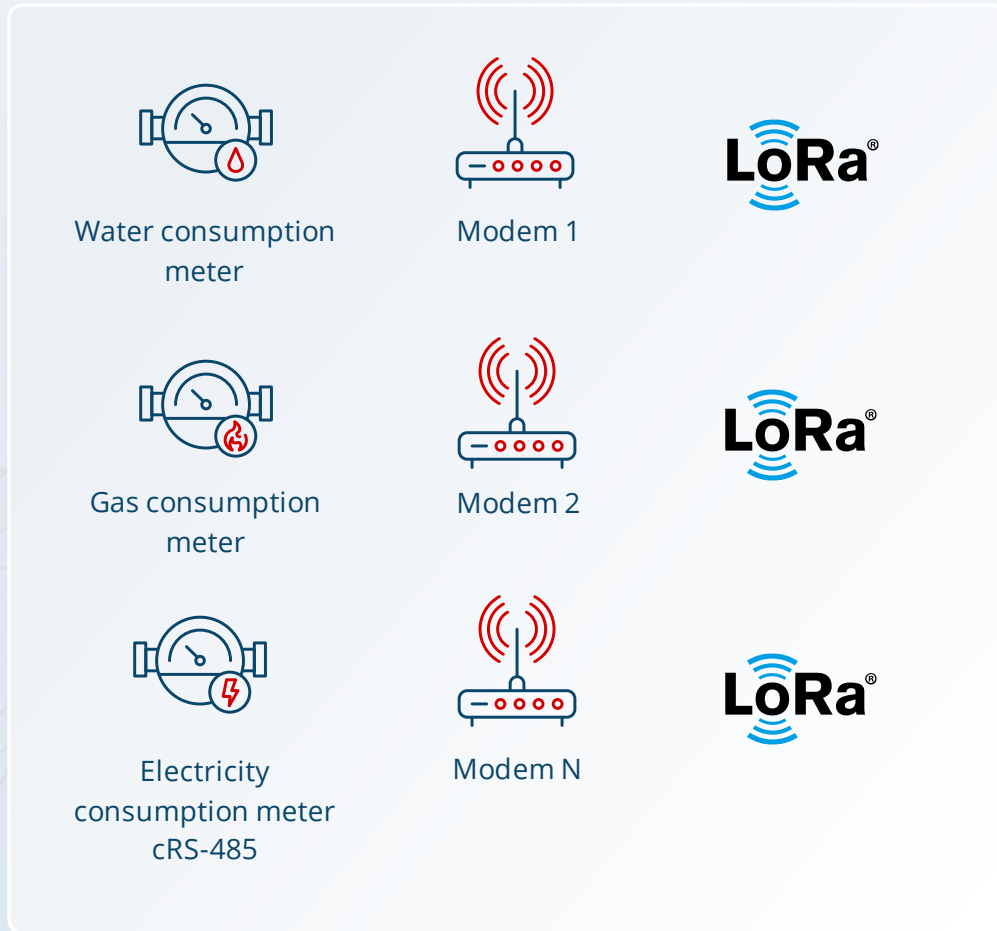
- Equipment / property downtime: a failure to proactively solve potential issues can result in long-term downtime for manufacturing equipment, rooms, working spaces, or entire buildings.
- User experience: regular resource downtime can cause dissatisfied users to look for alternative solutions.
- Financial risk:
 - Inflated costs of gas, electricity, water, and other property expenses
 - Additional repair costs
 - Lost customers / lessors

Solution

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 Airco	 AKCP	 Aranet	 Arduino	 Audemat
 AVTECH	 Brrr	 DCM	 Fronius	 GridDB
 Hitachi	 HW group	 intellect-module	 ITWatchDogs	 Lantronix
 Modbus protocol	 Morningstar	 MQTT	 Nature Remo	 Pró-Digital
 Raspbian	 Schneider Electric	 ServersCheck	 Shelly	 Teracom

Solution



Distance of up to 2Km in clear line of sight and 300m in-doors.

Telecommunications Companies



Challenges

- High availability: Providing service 24 hours a day, 7 days a week, and 365 days a year.
- The ability to fix problems before the customer becomes aware of their existence.
- Large amounts of data transferred and analyzed.
- Automations: Integrations between multiple hardware and software solutions.

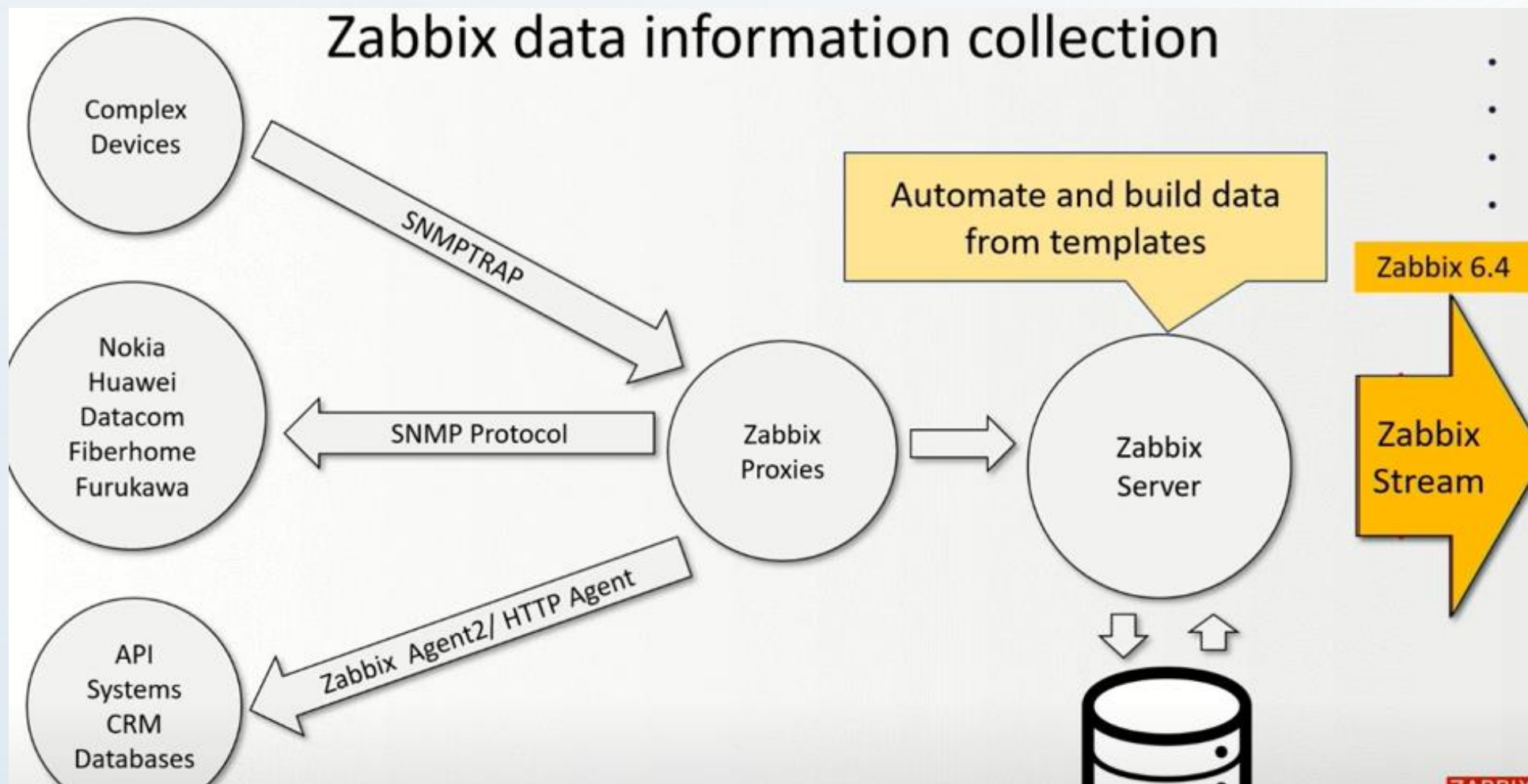
Risks

- Technical: service interruption can cause system errors and the loss of important data.
- User experience: regular interruptions and service unavailability can cause dissatisfied users.
- Financial: poor service can lead to a drop in new customers, a loss of existing customers, and eventual bankruptcy.

Solution

- Real-time monitoring of all areas, from network and routing topology to server hardware to processes and backups.
- Native HA setup, which ensures 24/7 uptime for Zabbix.
- Telecommunications infrastructure topology visualization.
- Monitoring everything from errors on switch ports to connection pool utilization in Java application servers.
- Zabbix Stream: Data export from Zabbix to third-party solutions for complete process automation.

Solution



Main benefits of using Zabbix

- Open-source – download for free.
- Leverage a single pane of glass for your entire infrastructure.
- Enterprise-grade security.
- Keep control of your infrastructure by collecting any metric from any source.
- Transparency and control of all processes.
- Detect problems instantly.
- Be alerted on critical issues.
- Gain additional insights and extend observability via powerful data visualization.
- Save time and money with Zabbix.

Contact us

USA

Phone +1 877-4-ZABBIX
+1 877-4-922249 (Toll-free)
Email sales@zabbix.com

EUROPE

Phone +371 6778-4742
Email sales@zabbix.com

JAPAN

Phone +81 3-4405-7338
Email sales@zabbix.co.jp

CHINA

Phone +86 021-6978-6188
Email china@zabbix.co.jp

LATIN AMERICA

Phone Argentina | Buenos Aires +54 113989-4060
Brazil | Sao Paulo +55 11 4210-5104
Chile | National +56 44 890-9410
Colombia | Bogota +57 1 3819310
Mexico | Mexico City +52 55 8526-2606
Email sales.latam@zabbix.com





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Thank you!
Q&A

Ronald Schultz
Head of Sales

Email: ronald.schultz@zabbix.com

EU phone: +371 6778-4742

US phone: +1 877-4-922249