



# Files.fm experience from Zabbix 3 to Zabbix 7.2

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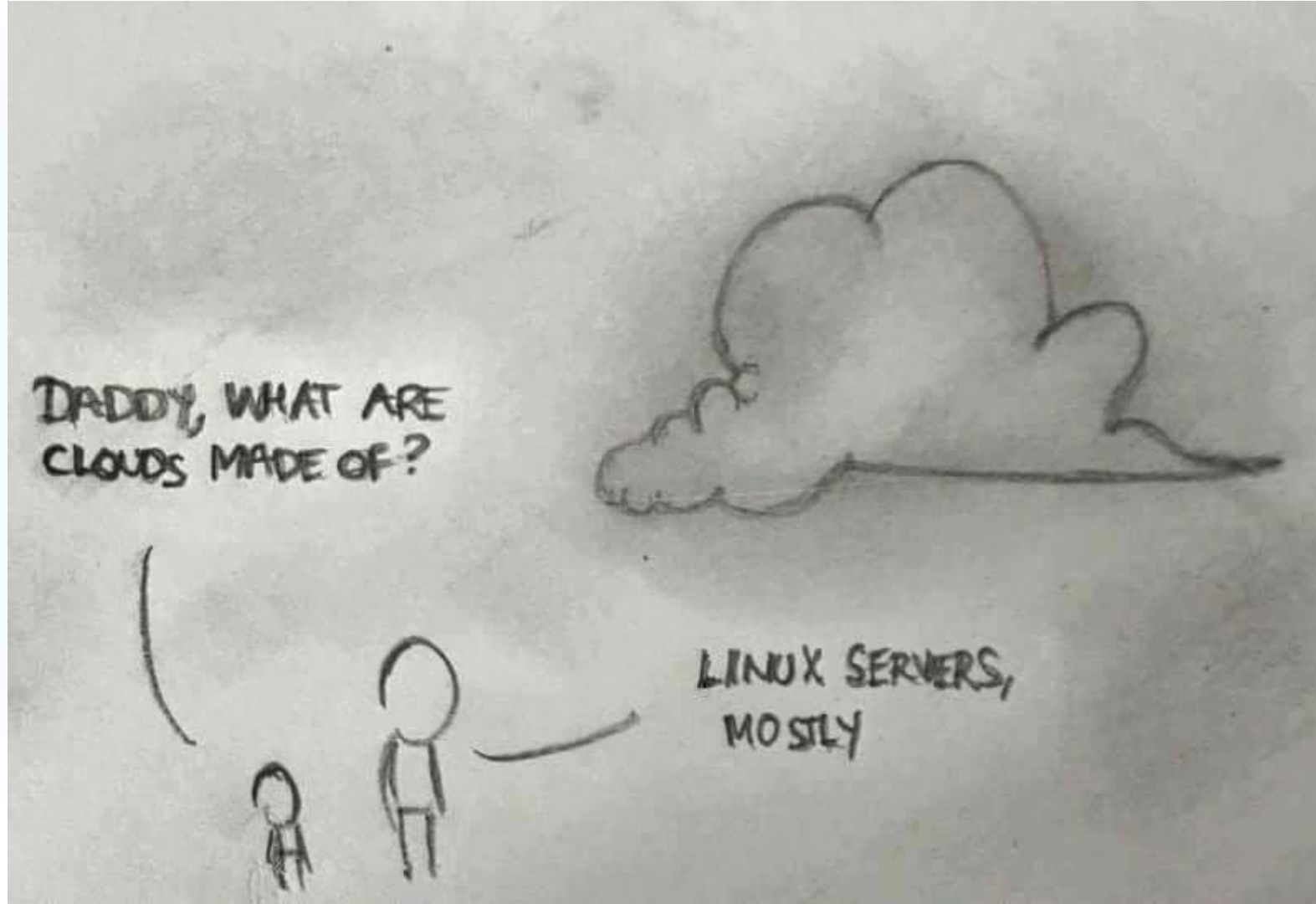


# Cloud storage platform to **Store, Share and Manage** content

- ✓ 2,000,000+ monthly web visitors worldwide
- ✓ 15+ years of experience in IT development of 24/7 SaaS cloud services for B2B and B2C
- ✓ Hosted in Europe and GDPR compliant
- ✓ Accessible worldwide



# Where's the data?



# Why to monitor?

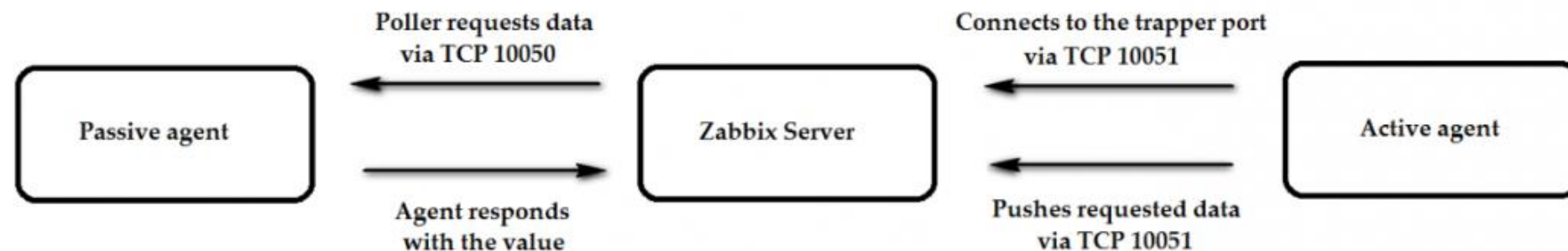
- **Prevent downtime** – Catch issues before impact to users
- **Improve performance** – Identify bottlenecks, optimize usage
- **Ensure reliability** – Keep systems stable and predictable over time
- **Respond faster** – Trigger alerts for critical failures or anomalies
- **Capacity planning** – Forecast resource needs and avoid overprovisioning
- **Track changes** – Detect configuration drift or unexpected behavior
- **Support compliance** – Maintain audit trails and demonstrate visibility

# What to monitor?

- **Physical and Virtual servers** – temperature, power status
- **CPU, RAM, LOAD** – System load trends, memory usage, spikes
- **Disk usage and I/O** – Free space, read/write speed, ZFS health, SMART
- **Network interfaces** – Bandwidth usage, packet errors, connectivity
- **Web serving: Haproxy > Apache** – Availability, response time, requests/sec
- **MariaDB**– Query performance, connections, slow queries
- **ZFS storage pools** – Capacity, Cache usage, IO
- **Services & Processes** – Ensure critical daemons are running

# Zabbix 3 to Zabbix 7

- 2 Instances: Zabbix 3, Zabbix 7 on Rocky 9
- 2 Different data centers
- 2 Hours to setup
- 2 Agents
- 2 modes: Passive vs Active



# Zabbix Agent 2 setup

- **rpm -Uvh** `https://repo.zabbix.com/zabbix/7.2/release/rhel/7/noarch/zabbix-release-latest.el7.noarch.rpm`
- **yum install zabbix-agent2 -y**
- **sed -i -E \**
  - `-e 's/^[[:space:]]*Hostname=.*/#Hostname=Zabbix server/' \`
  - `-e 's/^[[:space:]]*Server=.* /Server=zabbix7.failiem.lv/' \`
  - `-e 's/^[[:space:]]*ServerActive=.* /ServerActive=zabbix7.failiem.lv/' \`
  - `-e 's/^[[:space:]]*#?[[:space:]]*ListenPort=10050/ListenPort=10052/' \`
  - `-e 's/^[[:space:]]*#?[[:space:]]*HostnameItem=.* /HostnameItem=system.hostname/' \`
- `/etc/zabbix/zabbix_agent2.conf`
- **grep -vE '^(#|\$)'** `/etc/zabbix/zabbix_agent2.conf` # check values
- **systemctl enable zabbix-agent2.service;** `systemctl start zabbix-agent2.service;` `systemctl status zabbix-agent2.service`
- **firewall-cmd --zone=trusted --permanent --add-source=10.0.xxx.xxx;** `firewall-cmd -reload`
- `StartAgents=3` not needed anymore..?

# Key Takeaways & Final Thoughts

- Zabbix is powerful, flexible and fully **open-source**
- It helped Files.fm to optimize **performance** and incident **response**
- Monitoring is about **insights, speed** and confidence
- Start simple, build gradually, use templates and discovery to scale. **Check logs.**
- Alerts done right — save time and prevent outages. Triggers > Remote cmd
- Zabbix 7.2 gains in usability and performance
- Invest in monitoring early — it always pays off