

Lessons learned while
being on-site

About me

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Zabbix **consultant** = Zabbix **expert**

Areas:

Initial Zabbix installation

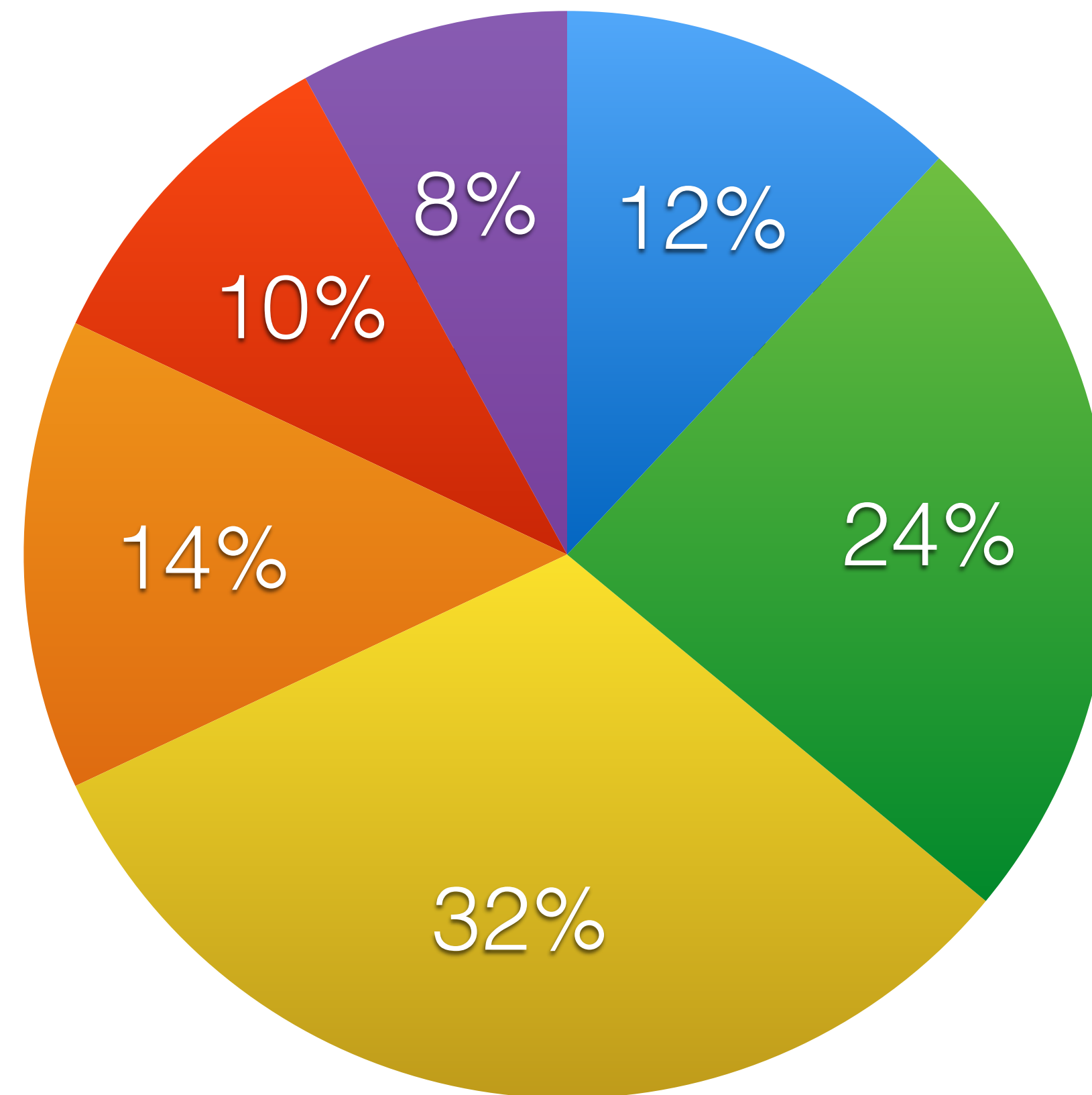
Environment review and performance tuning

Migration and upgrade

High availability, distributed setup, scalable solution

Other projects requiring expertise in Zabbix (e.g. DB partitioning, architecture planing, DB recovery, etc.)

- Initial installation
- Migration and upgrade
- Partitioning
- Envonment review and performance tuning
- HA Cluster
- Other



7 Lessons I Learned

Lesson 1: Expectations prior
and during the engagement

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What setup do you need? HA cluster? DB replication?
Proxies? Custom templates? Performance tuning?

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It's important to understand what exactly do you need to ensure the solution reflects it!

Lesson 2: failing to properly document requirements

Example

Agenda for a consultancy session:

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- configure some devices monitoring
- configure reports and notifications

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- install Zabbix
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My estimate: stand-alone installation, adding devices, show available reports, configure email/sms notifications

His estimate: HA cluster for Zabbix, custom templates, push notifications, custom printable reports

Lesson 3: sometimes, even a tiny
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savings in terms of cost and performance

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problems

Example

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Reason: incorrect value for a PHP parameter

Solution: use default value for that PHP parameter

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Solution: custom script and Zabbix API to clean up DB

Lesson 4: most customers don't
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Instead they wait

try to fix it themselves

enlist the assistance of the local computer geek/staff

Lesson 5: do not overestimate
your DBA skills

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Solution: add missing index and register new feature request to share your ideas

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Solution: make sure you know what you're doing! Test your solution and set up monitoring

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Solution: configure partitioning for the tables

Note, changes like these are easy to make early on - but very hard to carry out when you need to make database changes in a live environment storing huge amount of data

Lesson 6: do not store trash in
Zabbix DB

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Result: DB size is **2.3TB** (storage is almost full, DB is slow)

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Solution: improve partitioning script and delete old partitions

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Solution: use less sensitive triggers/analyze history

Lesson 7: monitoring is crucial - the more coverage you have, the quicker you can identify issues that arise

Use **Zabbix** to monitor hardware, software and
services

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Zabbix (**App** and **Team**) will help you:

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Zabbix (**App** and **Team**) will help you:
troubleshoot issues
even avoid issues

Every day is a school day

Thank you