



Monitoring Your Python Application

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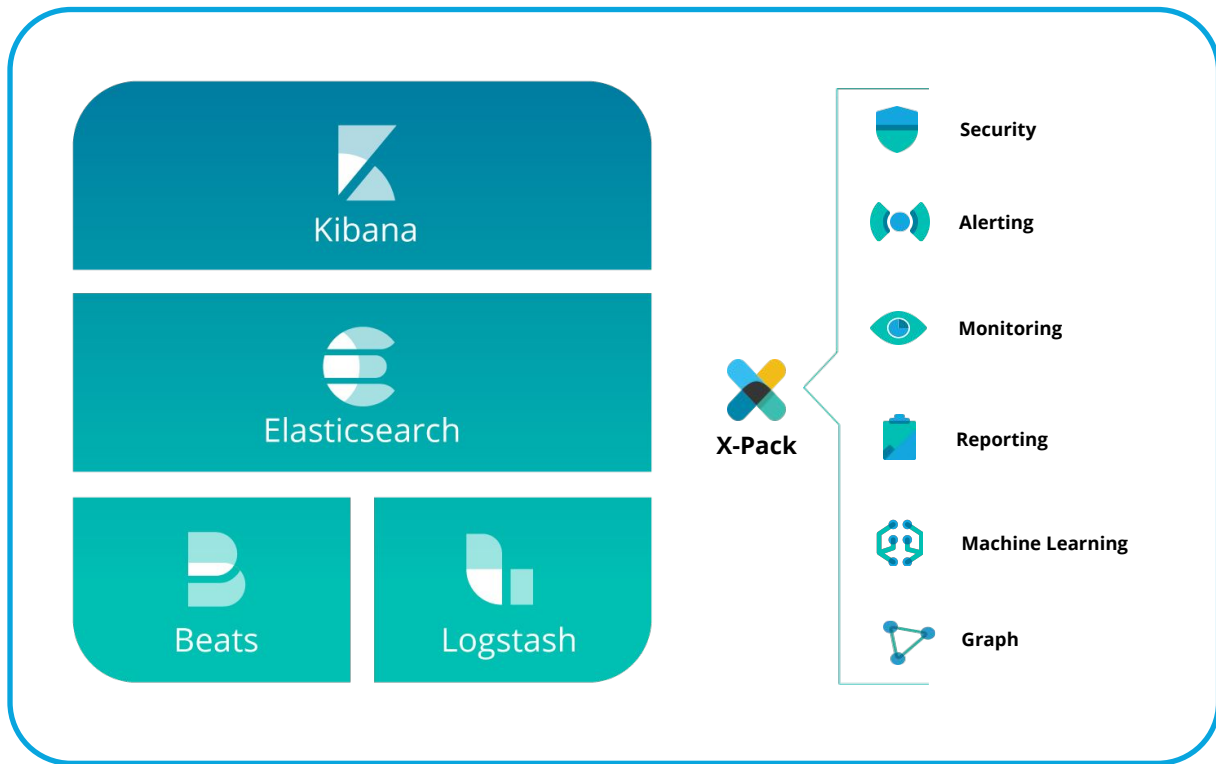
What's Up

- The Stack
- What is APM?
- Why APM?
- What it can do?
- Demo



Elastic Stack

No **enterprise** edition
All new versions with 6.3



**SECURITY
ANALYTICS**

**LOG
ANALYTICS**

**METRICS
ANALYTICS**

**BUSINESS
ANALYTICS**

SEARCH

APM



Protect your
data



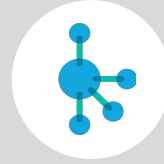
Be alerted on
changes



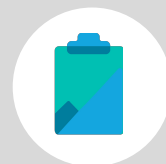
Detect anomalies



Monitor your
Elastic Stack



Find links in
your data

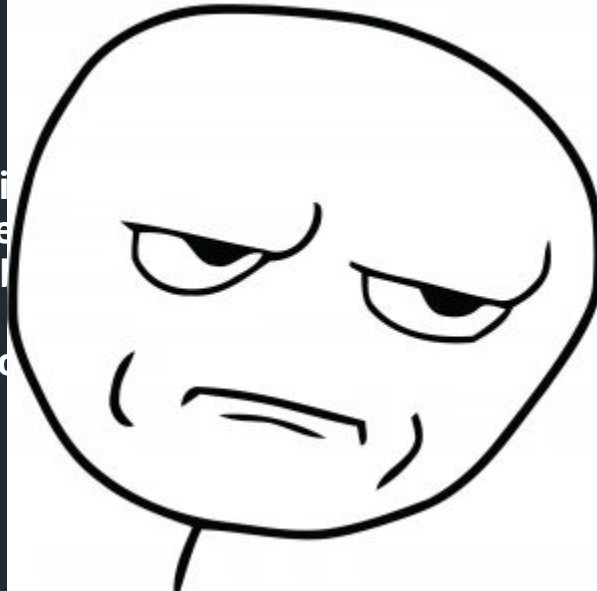


Share your
insights

What is APM?

In the fields of information
performance management,
performance and availability

APM is "the translation of



management, application
management of

ing ([i.e.] value)."

-Wikipedia



Internal Server Error

The server encountered an internal error or misconfiguration and was unable to complete your request.

Please contact the server administrator, webmaster@gs-example.com and inform them of the time the error occurred, and anything you might have done that may have caused the error.

More information about this error may be available in the server error log.



.. and when this happens...



you open these...

This image is a collage of various technical screenshots. The top-left section shows a terminal window with a large block of shell script code, likely for system configuration or automation. The top-right section displays a network diagram with nodes and connections, possibly representing a cloud or data center topology. The middle-left section contains a terminal window showing a series of log messages, including timestamps and status updates. The middle-right section features a terminal window with a large block of shell script code, similar to the one in the top-left. The bottom-left section shows a terminal window with a large block of shell script code, continuing the theme of automation. The bottom-right section displays a terminal window with a large block of shell script code, also continuing the theme of automation. The bottom-center section shows a terminal window with a large block of shell script code, continuing the theme of automation. The bottom-right section shows a terminal window with a large block of shell script code, continuing the theme of automation. The bottom-right section shows a terminal window with a large block of shell script code, continuing the theme of automation.

A close-up of Aragorn from The Lord of the Rings. He has a weary expression, his face is dirty with ash or blood, and he has a small wound on his cheek. The background is a bright, orange-red fire.

ITS DONE...

DEBUGGING IS DONE



Open Source Application Performance Monitoring

Already housing logs and system metrics in Elasticsearch? Expand to application metrics with Elastic APM. Four lines of code lets you see a bigger picture to quickly fix issues and feel good about the code you push.



- 100% Open Source
- Readymade UI in Kibana
- Language Agents

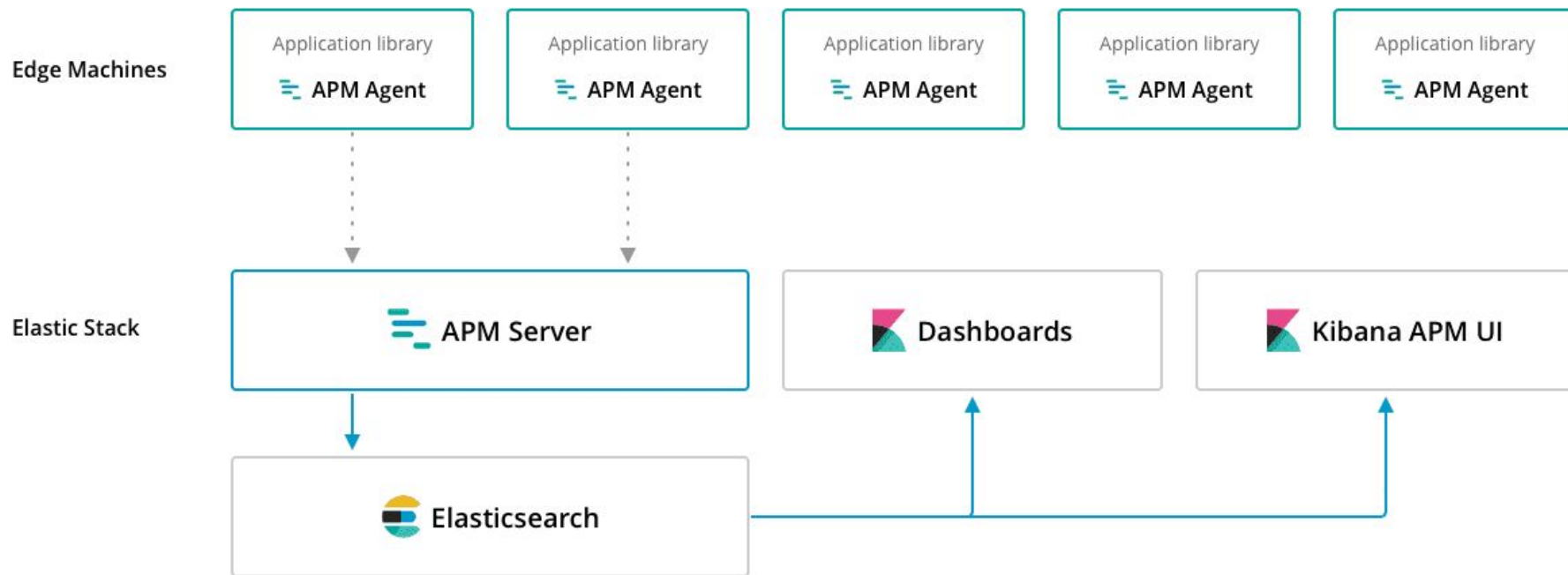


Flask

django



How it works



What APM can do?

- Monitor your application
- Trace your code
- Reduce overall debugging time

DEMO

What you can't do with APM?

- Infrastructure Monitoring
- Log analytics
- Detect Security Attacks

How Elastic Stack can help you?



APM

Real User Monitoring (RUM)



APM

Application-level monitoring



Beats

Server-level monitoring



Beats



Logstash

Logging

References

- <https://github.com/elastic/apm-server>
- <https://github.com/elastic/opbeans-python>
- <https://www.elastic.co/webinars/elasticsearch-apm-overview>
- <https://discuss.elastic.co/c/apm>

bit.ly/PyConThai

Fin!



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