

Monitoring Elixir With OpenTelemetry



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whoami



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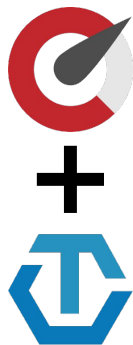
Agenda

1. What is OpenTelemetry?
2. What is it *not*?
3. How does it differ from previous work?
4. What are its components?
5. How to use it in Elixir [DEMO]?
6. Are we there yet?

What is OpenTelemetry?

OpenTelemetry is a set of APIs, SDKs, tooling and integrations that are designed for the creation and management of telemetry data such as traces, metrics, and logs.

source: <https://opentelemetry.io/docs/>



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CLOUD NATIVE
COMPUTING FOUNDATION

What is it *not*?

Not an APM solution.



Not a replacement for Telemetry.

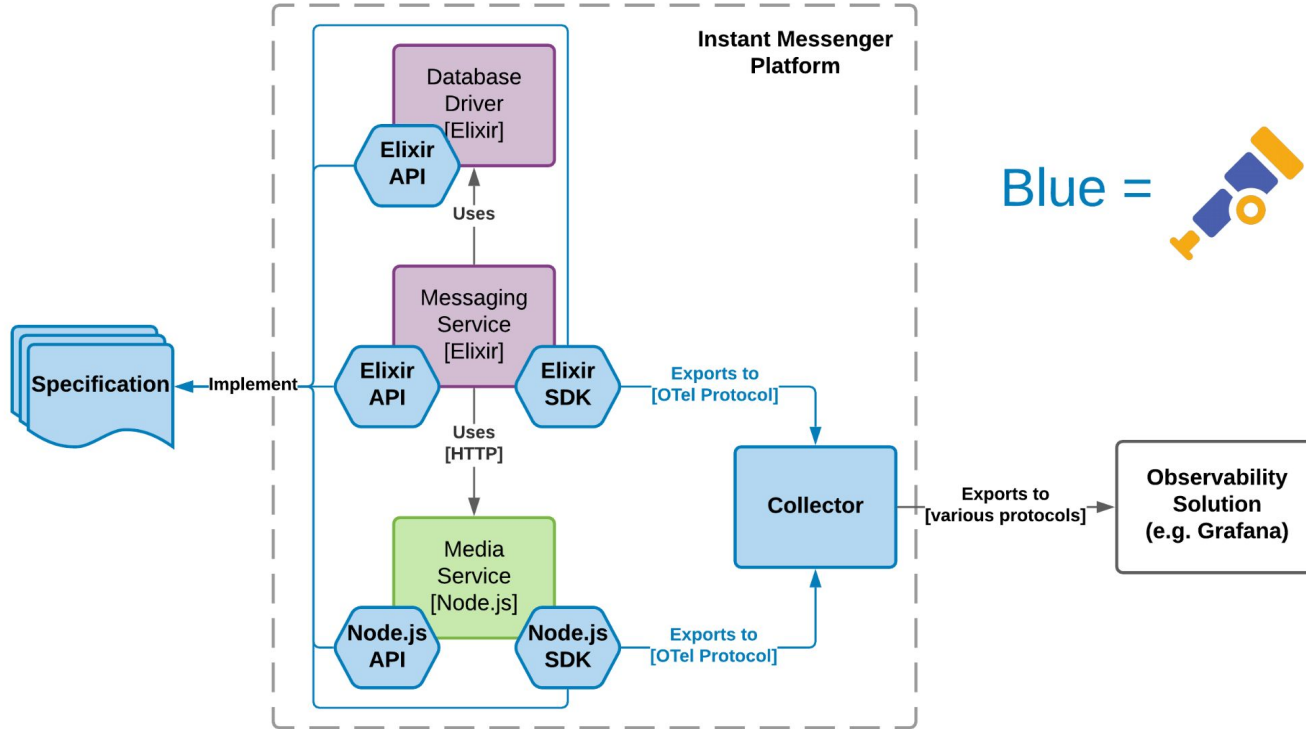
```
:telemetry.execute(  
  [:web, :request, :done],  
  %{latency: latency},  
  %{request_path: path, status_code: status}  
)
```

How does it differ from previous work?

- Covers traces, metrics, and logs.
- Separates API from SDK.
- Is language agnostic.



What are its components?



How to use it in Elixir?

DEMO!

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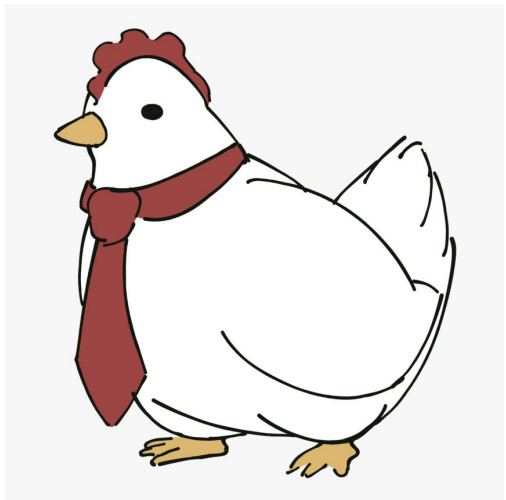
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How to use it in Elixir?

DEMO!

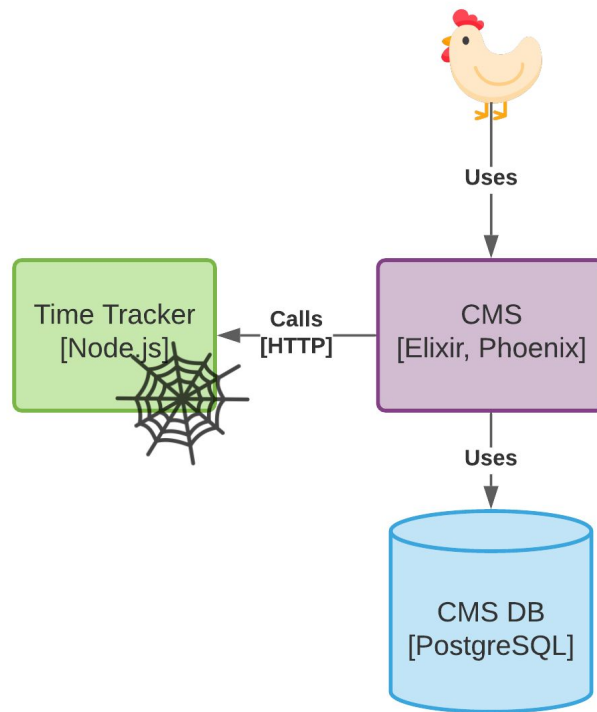


CHICKEN
MANAGEMENT
SYSTEM



[/kamilkowalski/opentelemetry-demo](https://github.com/kamilkowalski/opentelemetry-demo)

What the Cluck?



Are we there yet?

- Traces - ✓
- Metrics - 🚧
- Logs - ✗


Special thanks

- Tristan Sloughter ([tsloughter](#))
- EEF [Observability Group](#)

Thank you! 🙏

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