Beyond string-based logging

Structured-logging with Serilog



log.info("Home page for customer %s loaded in %d ms", customerName, duration)

```
2012-12-12 11:51:11,332 [main] INFO: App is starting
2012-12-12 11:56:19,643 [Cart] INFO: Customer john@doe.com added 5 items to the cart
2012-12-12 11:56:19,902 [Home] INFO: Home page for customer john@doe.com loaded in 3 ms
2012-12-12 11:57:32,042 [Cart] INFO: Customer john@doe.com added 1 items to the cart
2012-12-12 11:58:17,902 [Home] INFO: Home page for customer paul.smith@gmail.com loaded in 1 ms
2012-12-12 11:59:13,631 [Cart] INFO: Customer paul.smith@gmail.com added 1 items to the cart
2012-12-12 11:59:43,902 [Home] INFO: Home page for customer paul.smith@gmail.com loaded in 4 ms
```

log.info("Home page for customer %s loaded in %d ms", customerName, duration)

```
2012-12-12 11:51:11,332 [main] INFO: App is starting
2012-12-12 11:56:19,643 [Cart] INFO: Customer john@doe.com added 5 items to the cart
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2012-12-12 11:59:13,631 [Cart] INFO: Customer paul.smith@gmail.com added 1 items to the cart
2012-12-12 11:59:43,902 [Home] INFO: Home page for customer paul.smith@gmail.com loaded in 4 ms
```

Can you tell me the customers for which the home page took >3 ms to load today, please?

Text-based logging



Structured-logging

Write log events

Write log messages

9,902 [Home] INFO: Home page for customer john@doe.com loaded in 3 ms

timestamp : "2012-12-12 11:56:19,902"

level : "Information"

module : "Home"

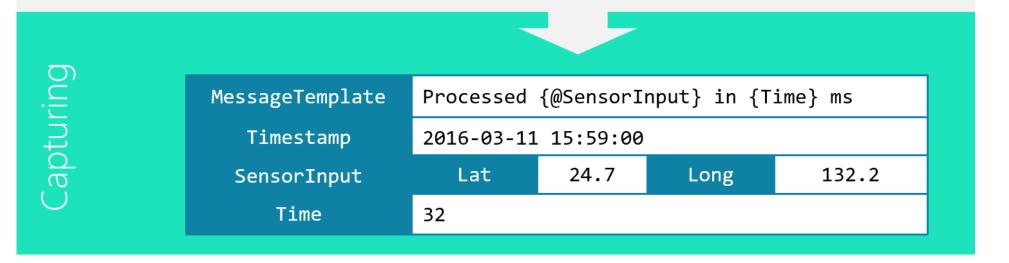
msg : "Home page for customer %s loaded in %d ms"

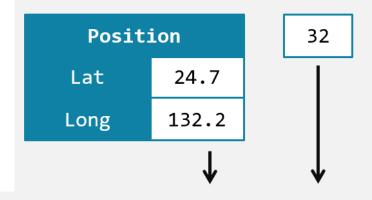
customerName : "john@doe.com"

duration: "3"

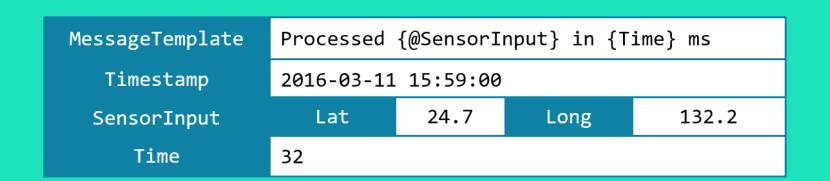












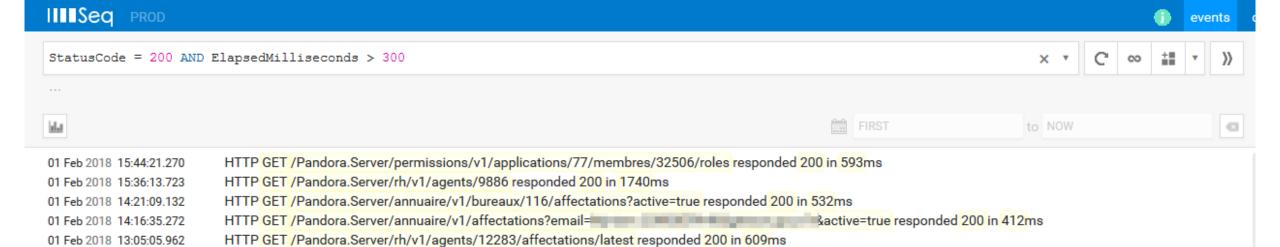
Rendering

Flat log file

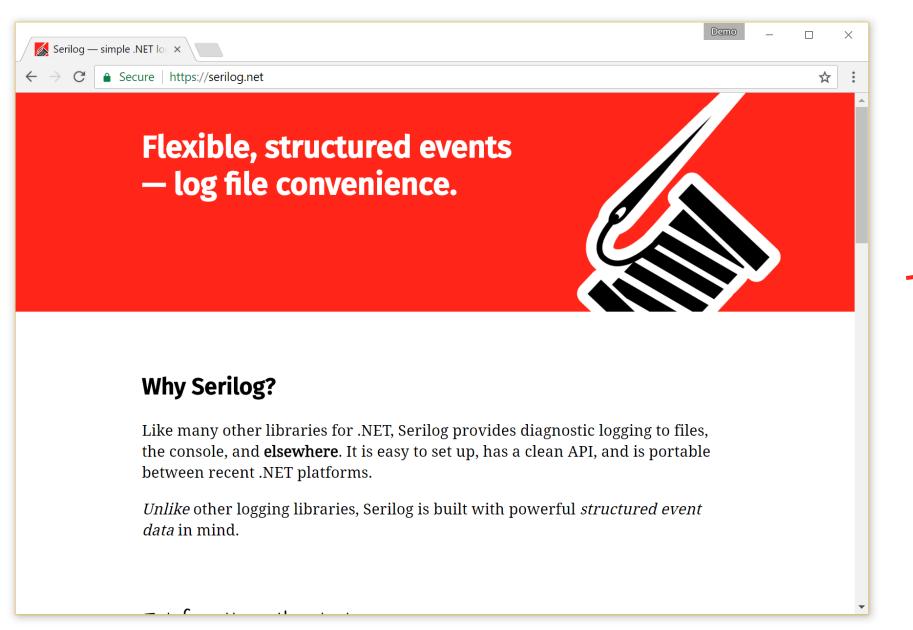
[2016-...] Processed Lat: 24.7, Long: 132.2 in 32 ms

JSON file Document

{ ...



01 Feb 2018 12:39:43.953 HTTP GET /Pandora.Server/annuaire/v1/bureaux/1122/chef responded 200 in 411ms
01 Feb 2018 12:39:43.390 HTTP GET /Pandora.Server/annuaire/v1/bureaux/287/parents responded 200 in 329ms



About Serilog

OSS/Apache 2.0 License

.NET Framework & Core

4 years active development

2.5M∓ package downloads

6.7M+

80+ contributors

100+ sinks

Made with 💙

More info:

https://serilog.net https://github.com/serilog https://messagetemplates.org/

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