

A Practical Guide to Dashboarding



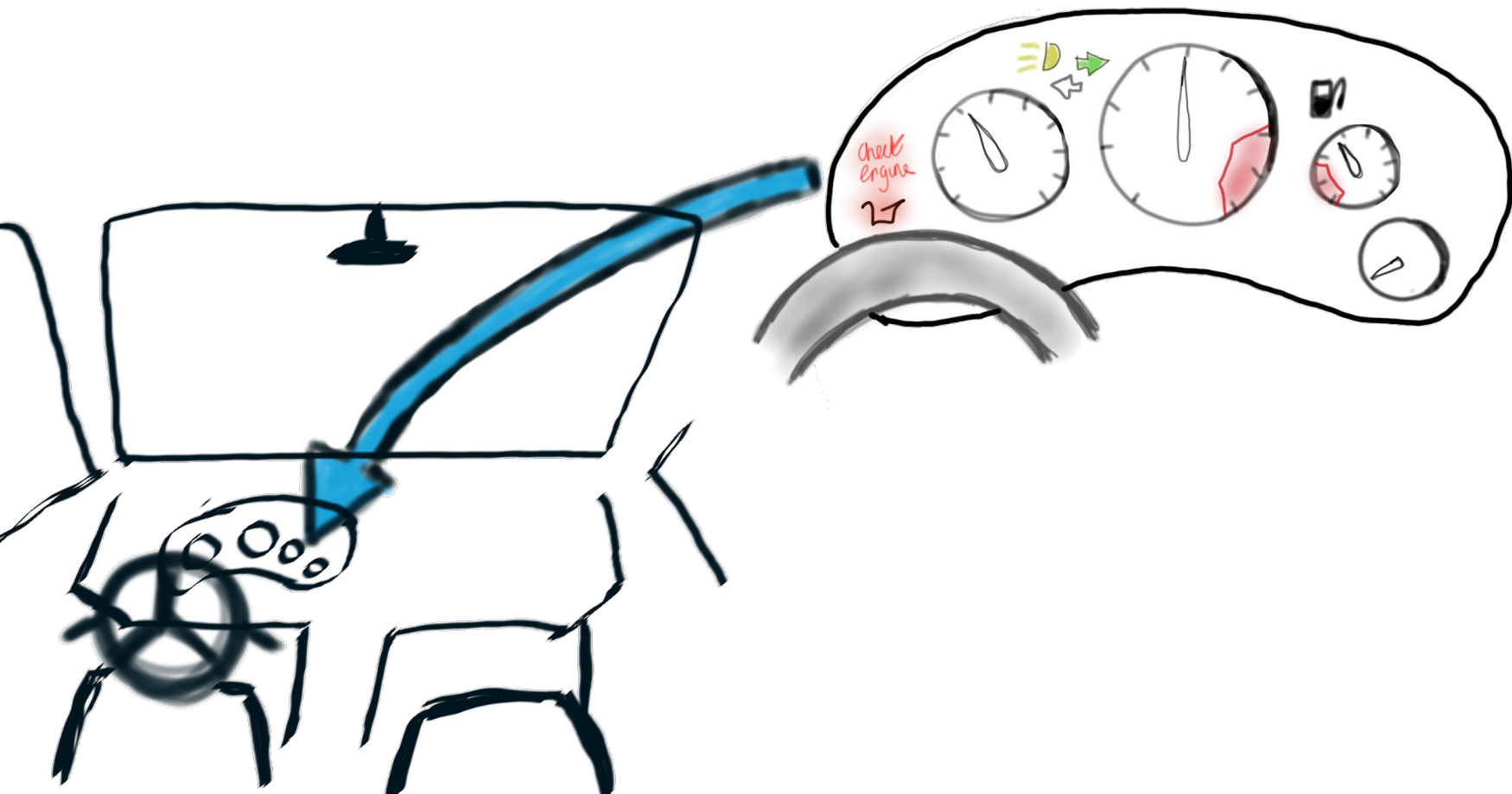
Jessica White

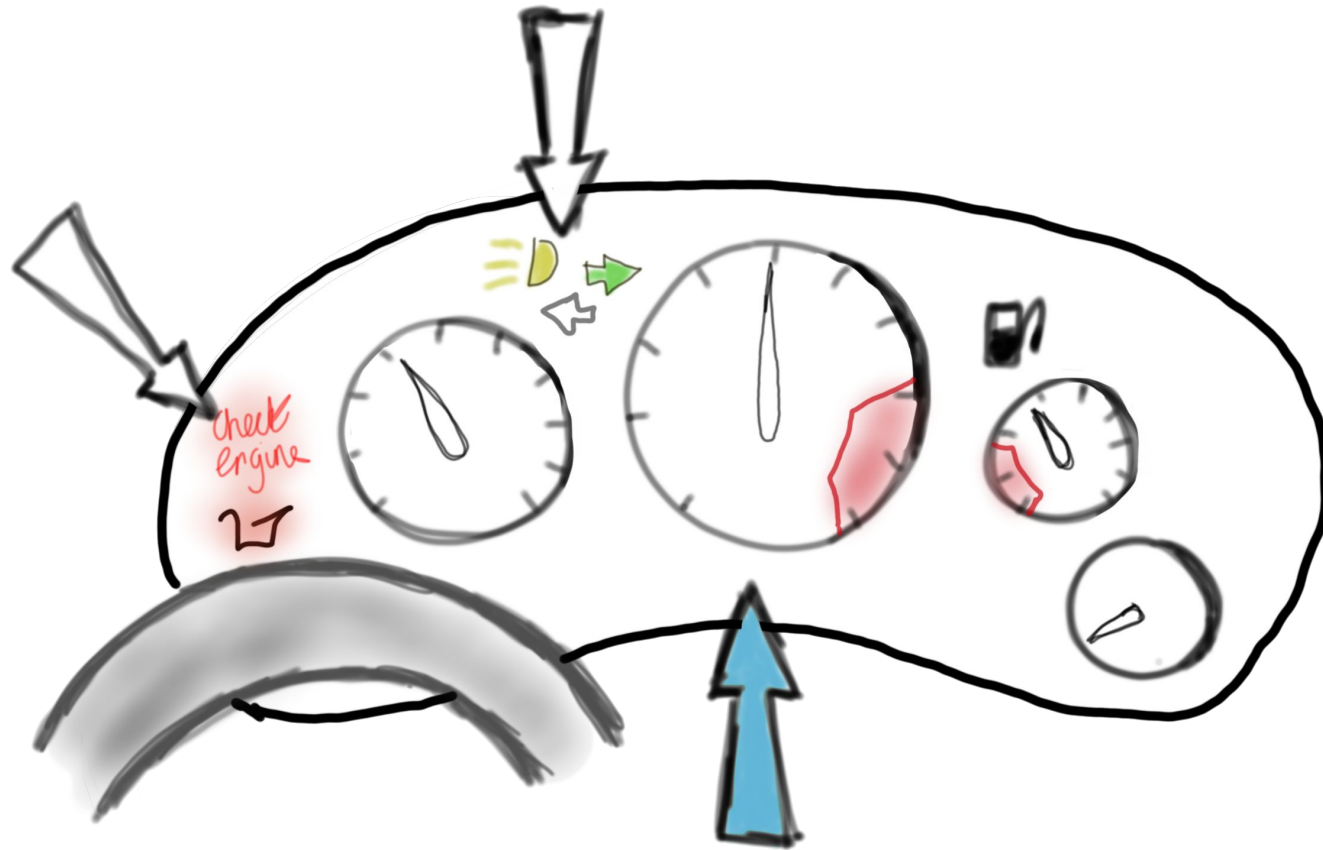
Software Engineer at

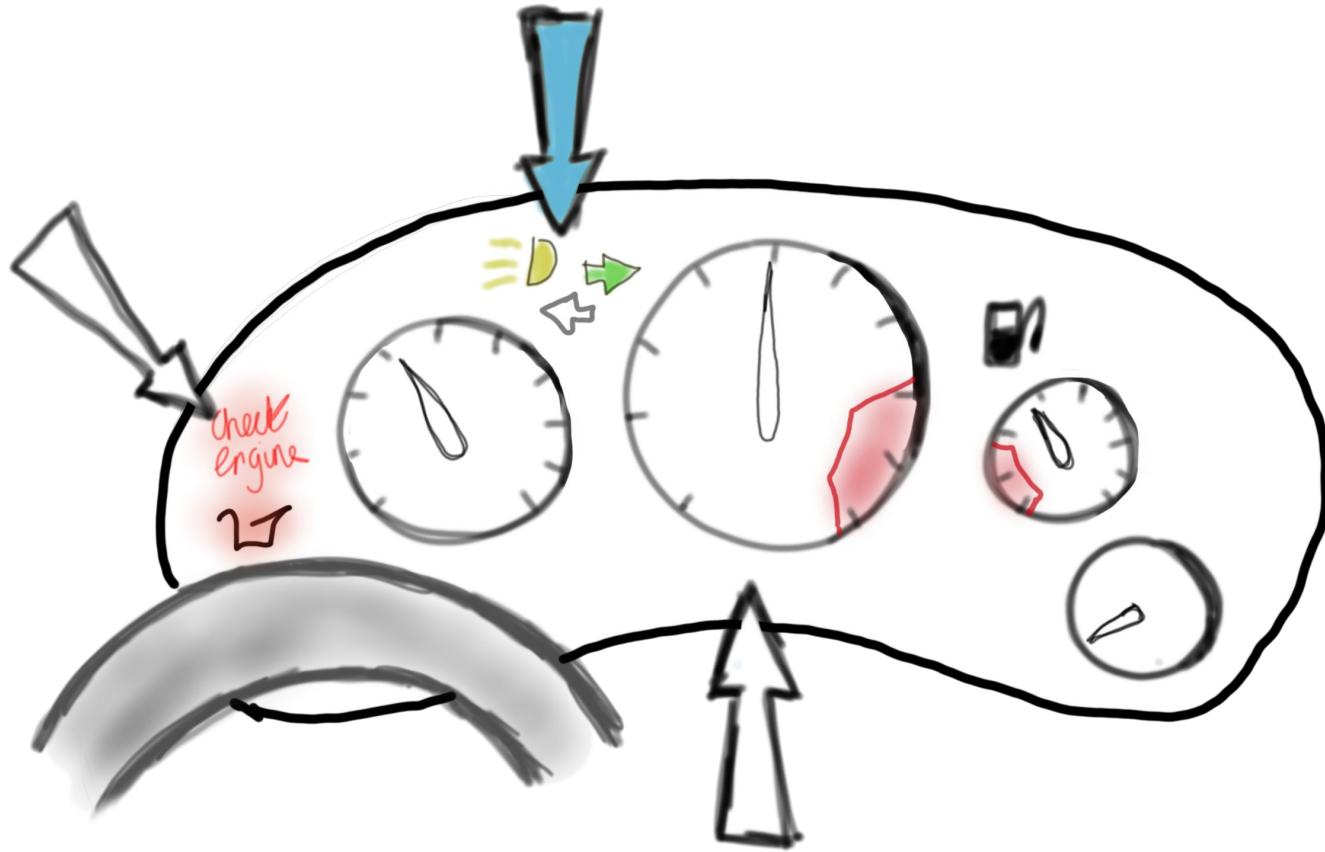
UNiDAYS

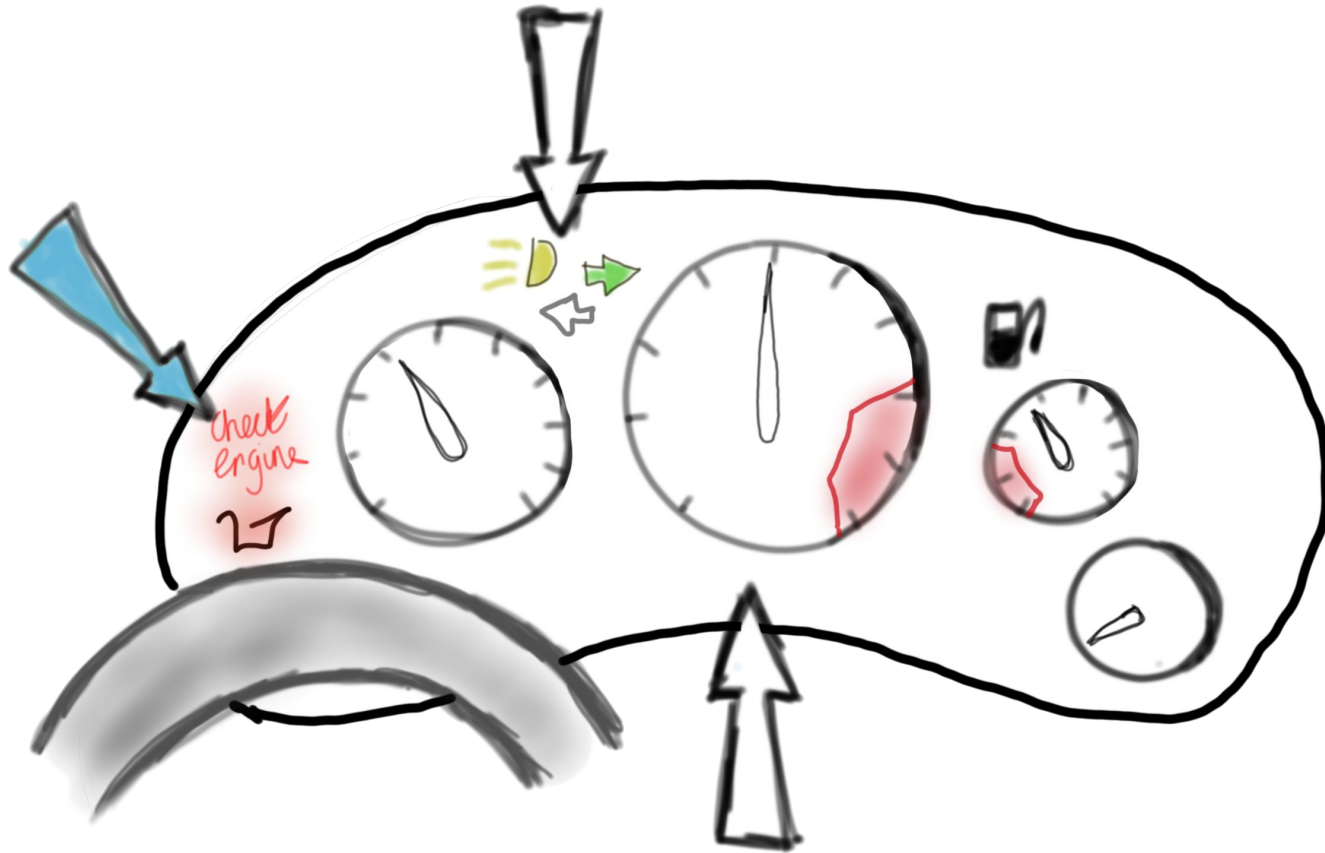
What Is A Dashboard & Why Should I Care?











Suggested Baselines





Metrics VS Diagnostics

- High level view
- For assessing a system & spotting issues
- Kept in present view

- Log analytics
- For tracing & debugging
- Used when fixing issues

Services



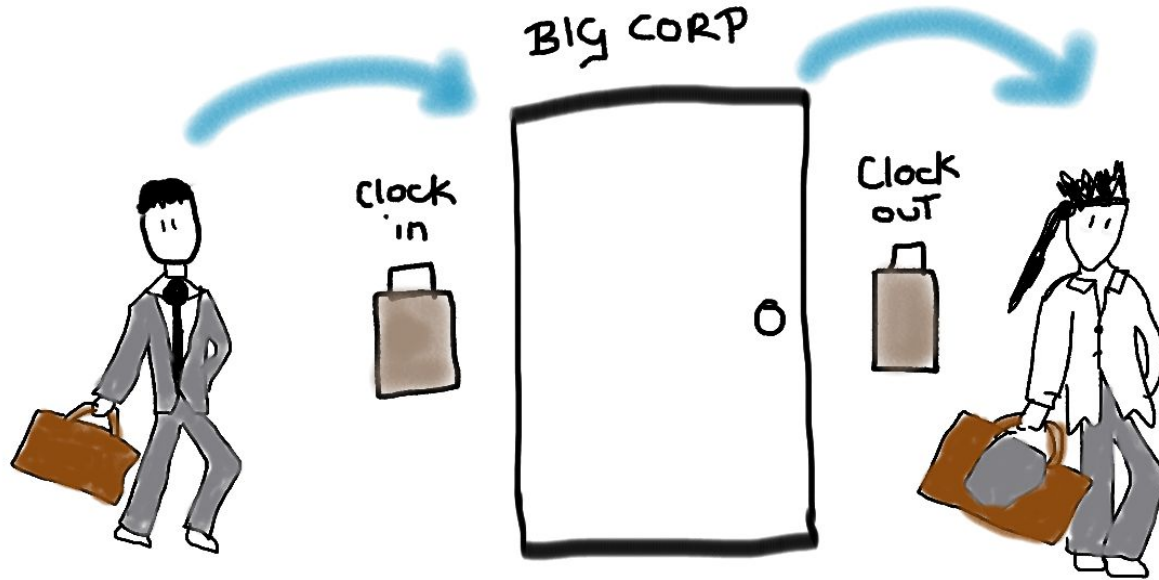


U.S.E - Brendan Gregg

Utilisation
Saturation
Error

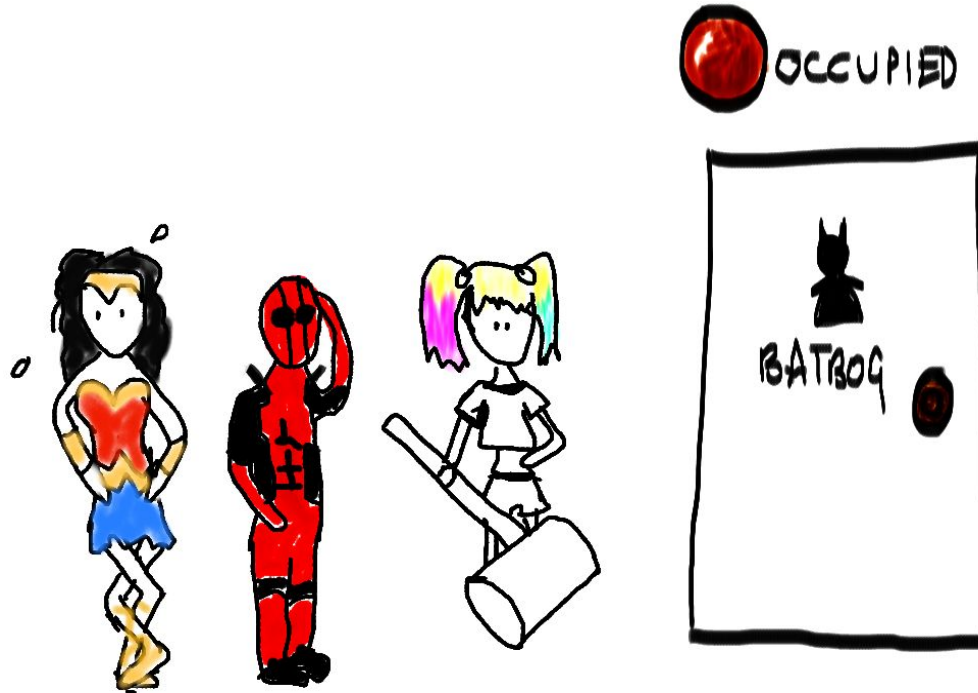


Utilisation



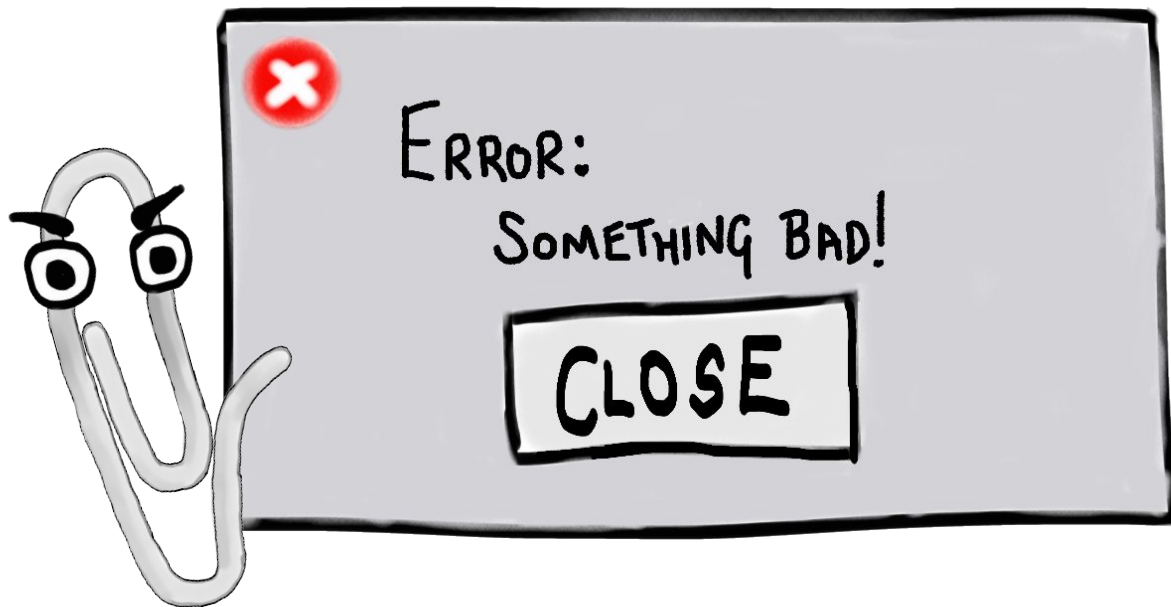


Saturation





Error



APIs





Four Golden Signals - Google

Traffic

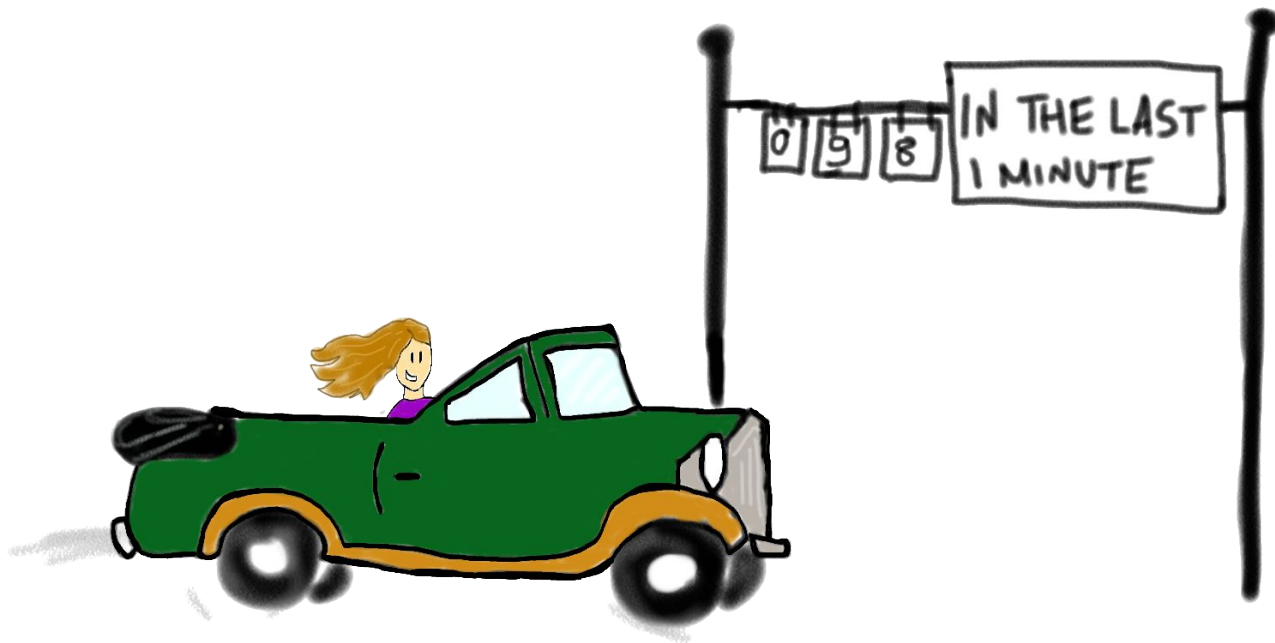
Error

Latency

Saturation



Four Golden Signals - Google

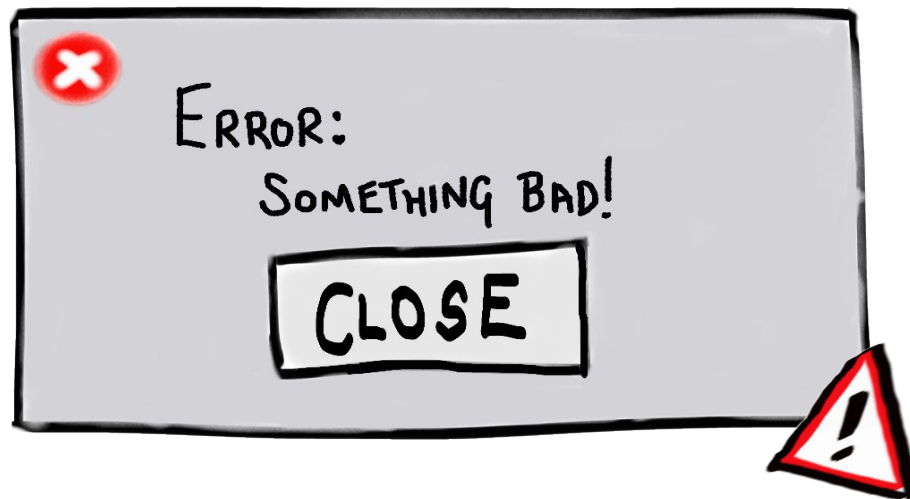


Traffic





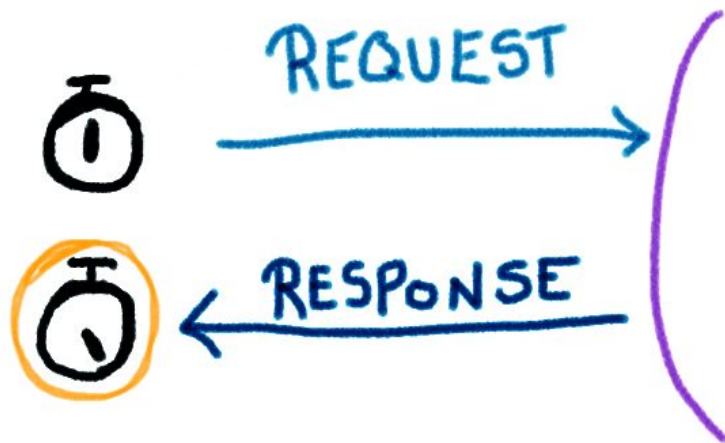
Four Golden Signals - Google



Error



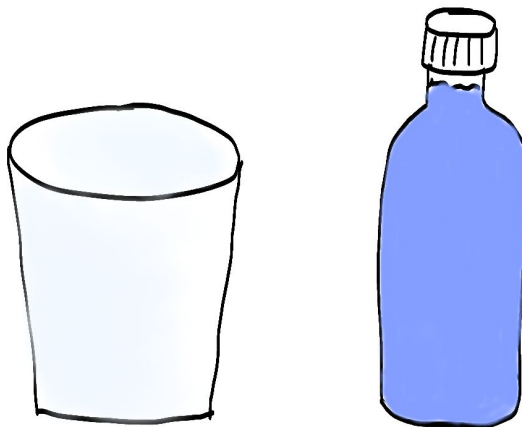
Four Golden Signals - Google



Latency



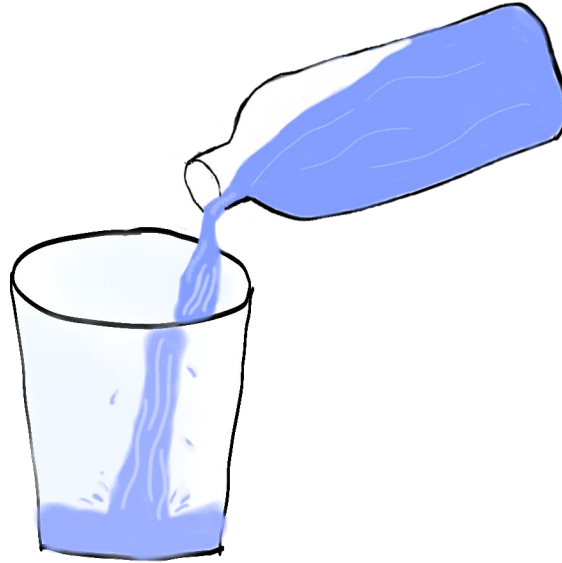
Four Golden Signals - Google



Saturation



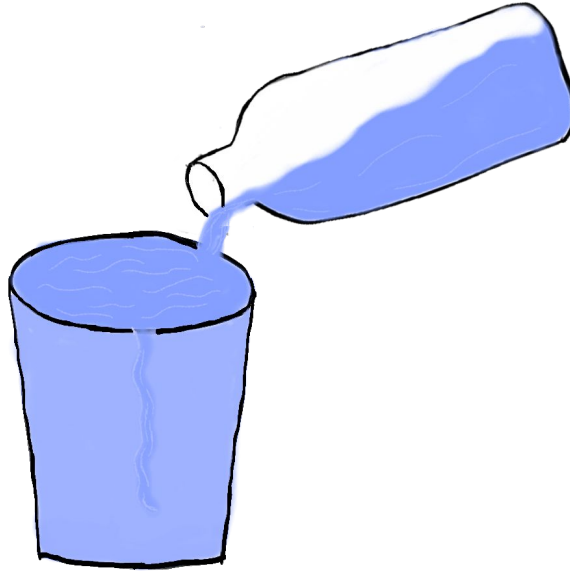
Four Golden Signals - Google



Saturation



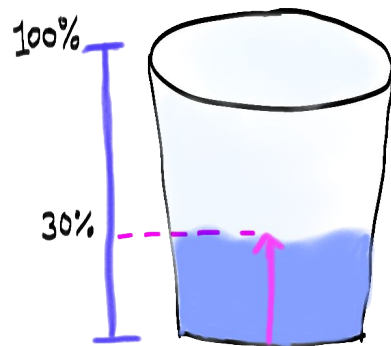
Four Golden Signals - Google



Saturation



Four Golden Signals - Google



Saturation



@JessPWhite
@LondonDotNet

R.E.D

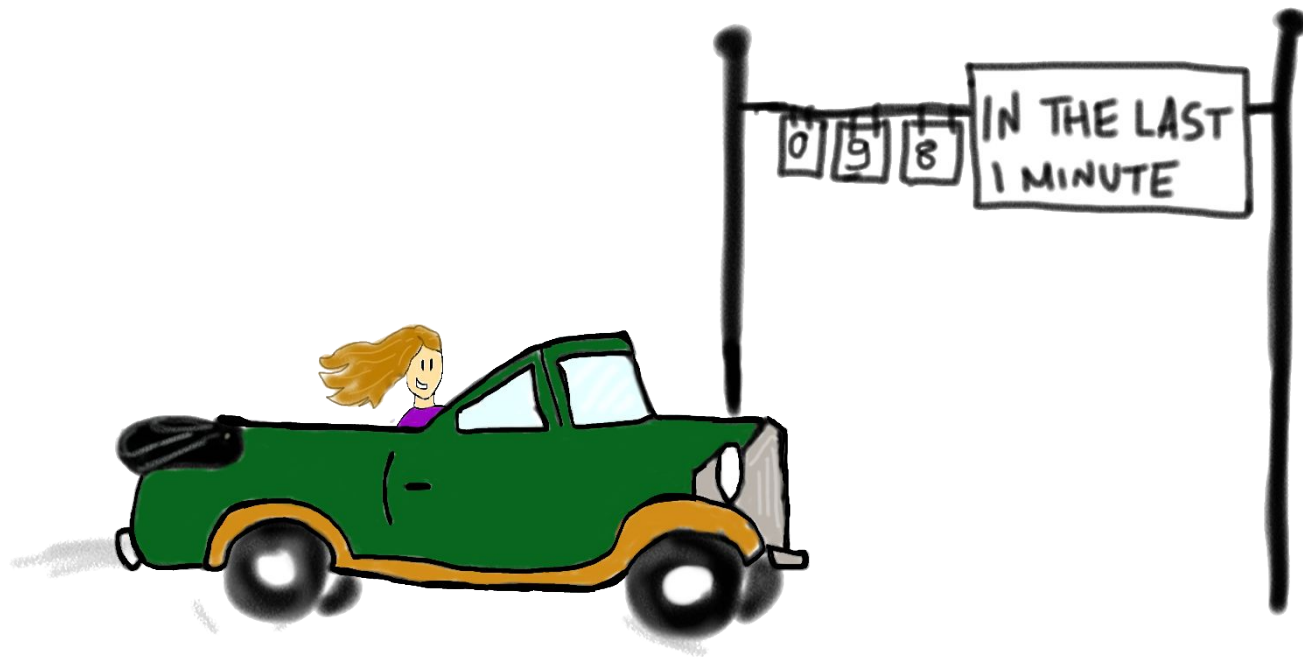
Rate

Error

Duration



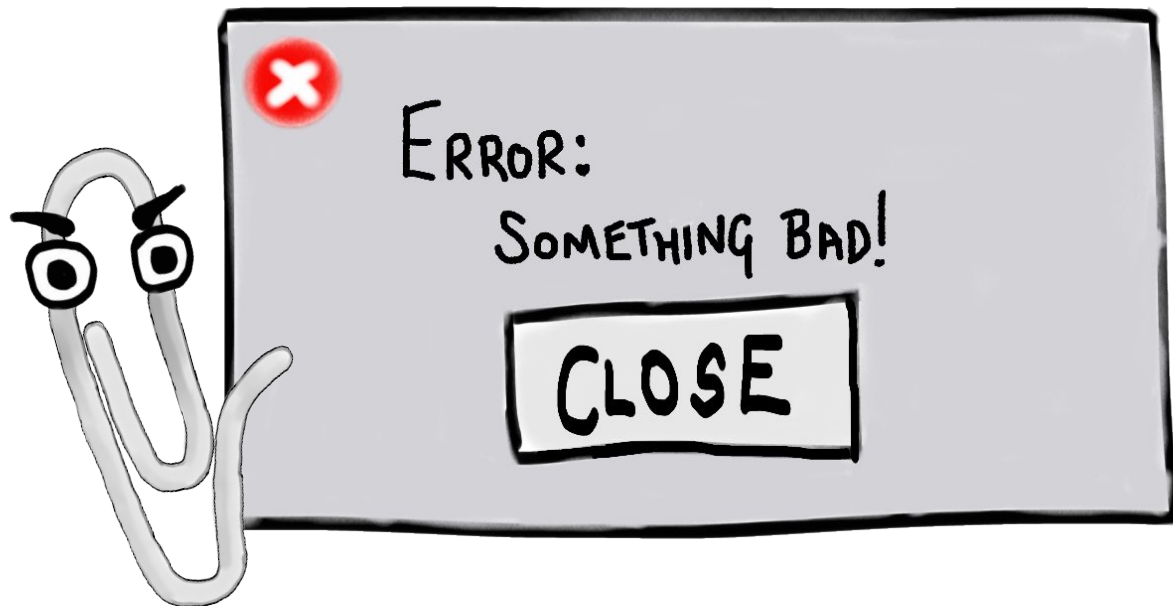
R.E.D



   Rate   



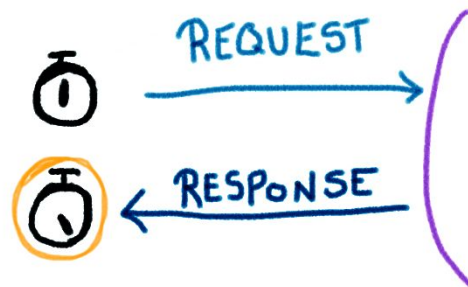
R.E.D



Error



R.E.D



Duration



Rate

Traffic

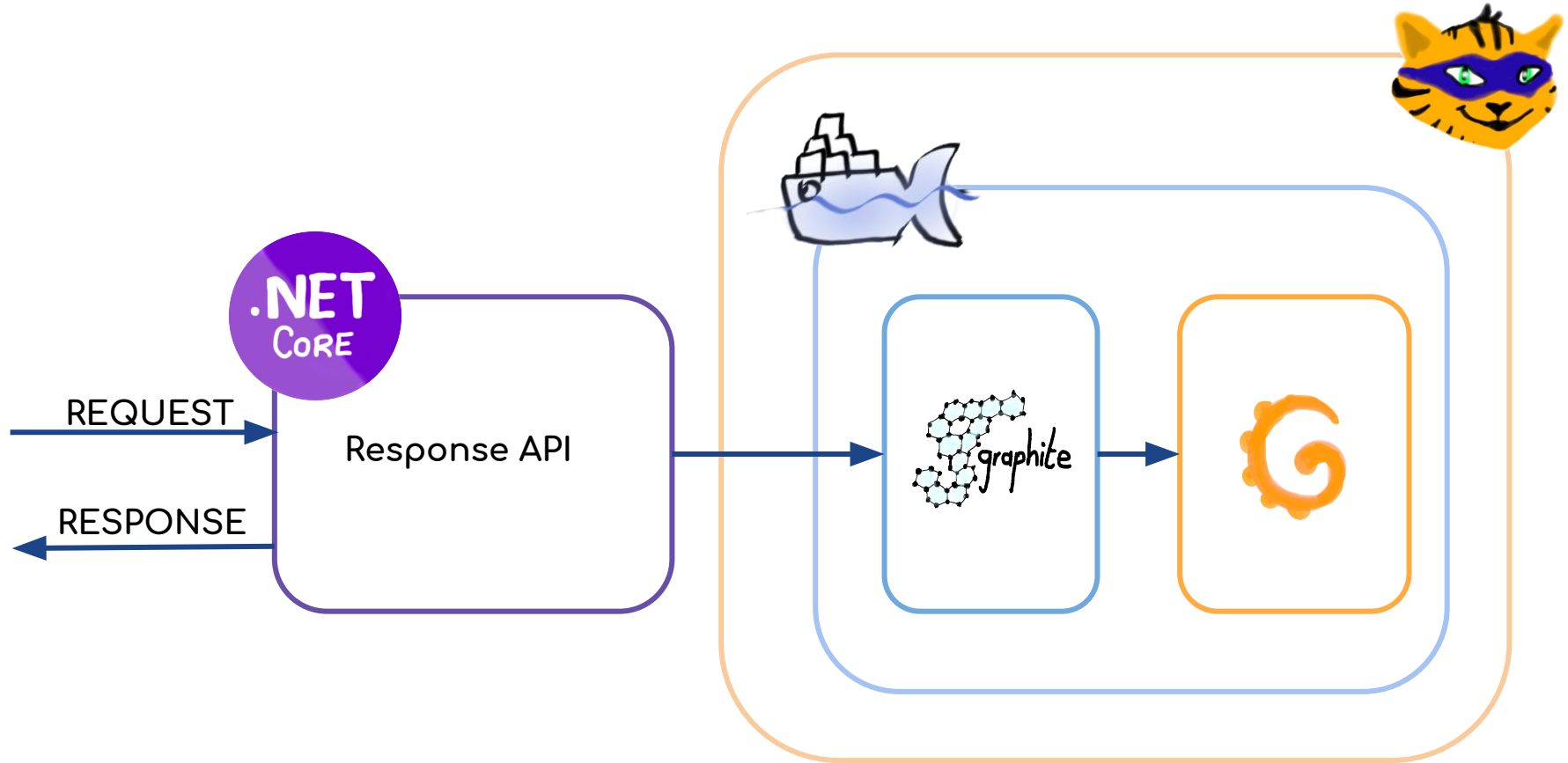
Error

Error

Duration

Latency

~~Saturation~~

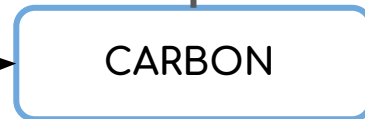
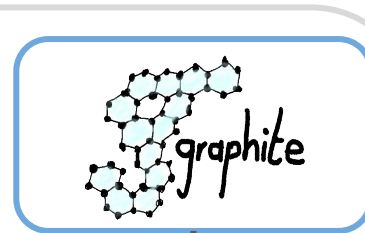
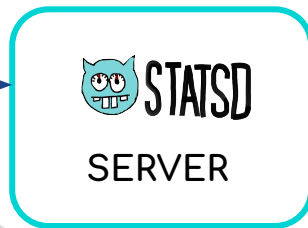




Response API

Includes calls to
the  **STATSD**
server

UDP



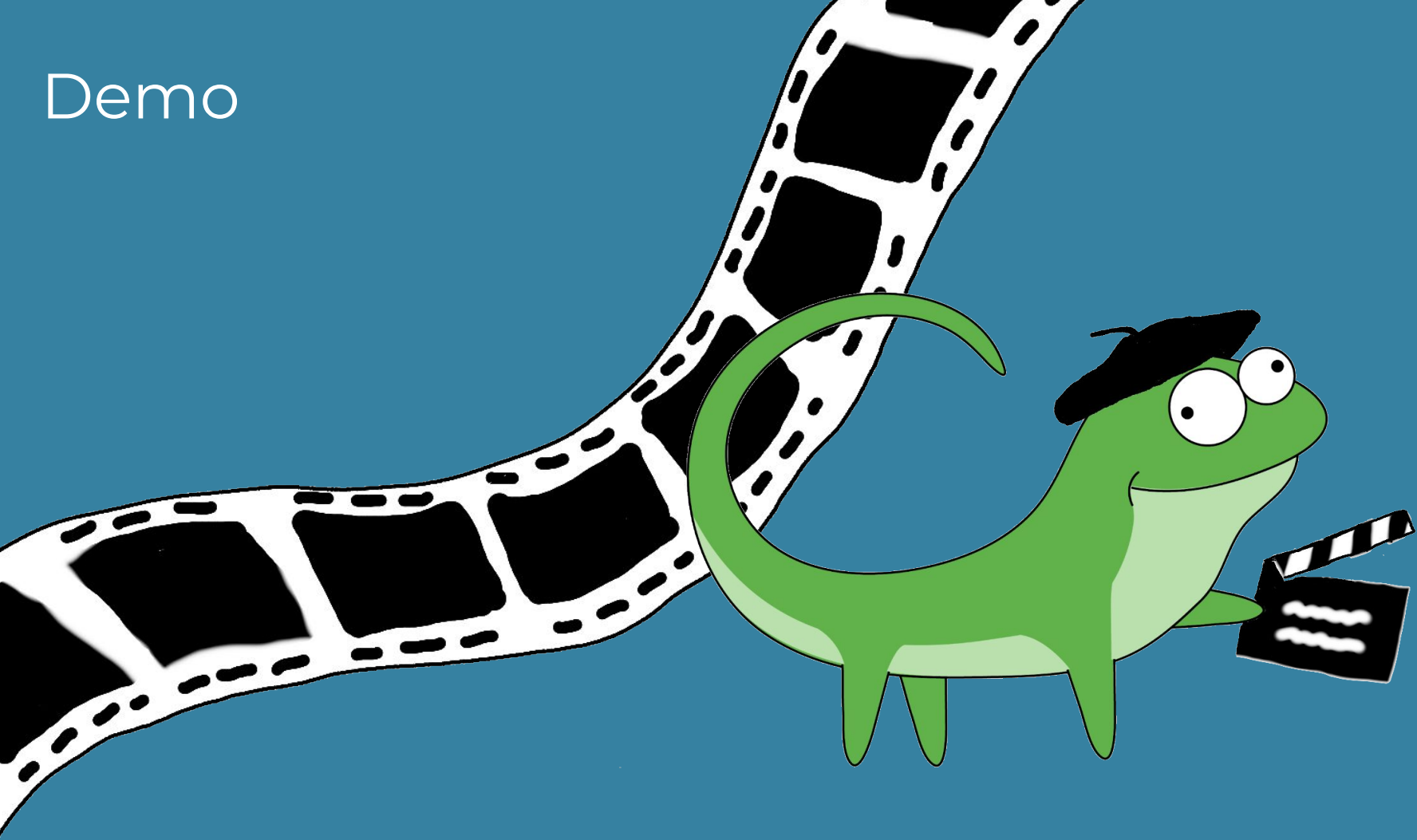


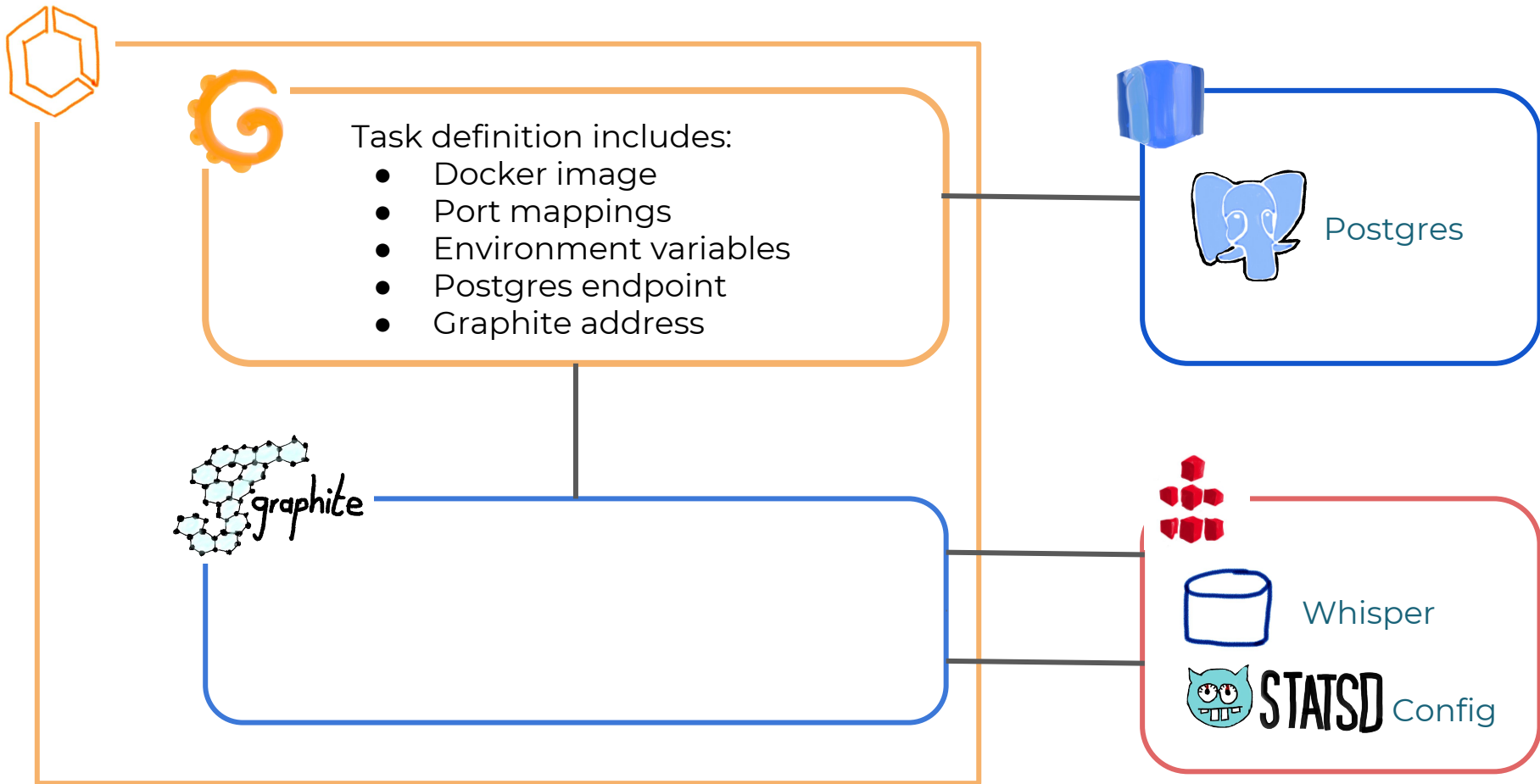
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Raw Blame History

```
1 using JustEat.StatsD;
2 using Microsoft.AspNetCore.Builder;
3 using Microsoft.AspNetCore.Hosting;
4 using Microsoft.Extensions.Configuration;
5 using Microsoft.Extensions.DependencyInjection;
6
7 namespace response_api
8 {
9     public class Startup
10     {
11         public Startup(IConfiguration configuration)
12         {
13             Configuration = configuration;
14         }
15
16         public IConfiguration Configuration { get; }
17
18         public void ConfigureServices(IServiceCollection services)
19         {
20             services.AddMvc();
21         }
22
23         public void Configure(IApplicationBuilder app, IHostingEnvironment env)
24         {
25             if (env.IsDevelopment())
26             {
27                 app.UseDeveloperExceptionPage();
28             }
29             var statsDConfig = new StatsDConfiguration{
30                 Host = "graphite"
31             };
32             var statsDPublisher = new StatsDPublisher(statsDConfig);
33
34             app.Use(async (context, next) =>
35             {
36                 using (var timer = statsDPublisher.StartTimer("thing"))
37                 {
38                     await next();
39                     timer.StatName = $"response-api.code.{context.Response.StatusCode}";
40                 }
41             });
42
43             app.UseMvc();
44         }
45     }
46 }
```

Demo



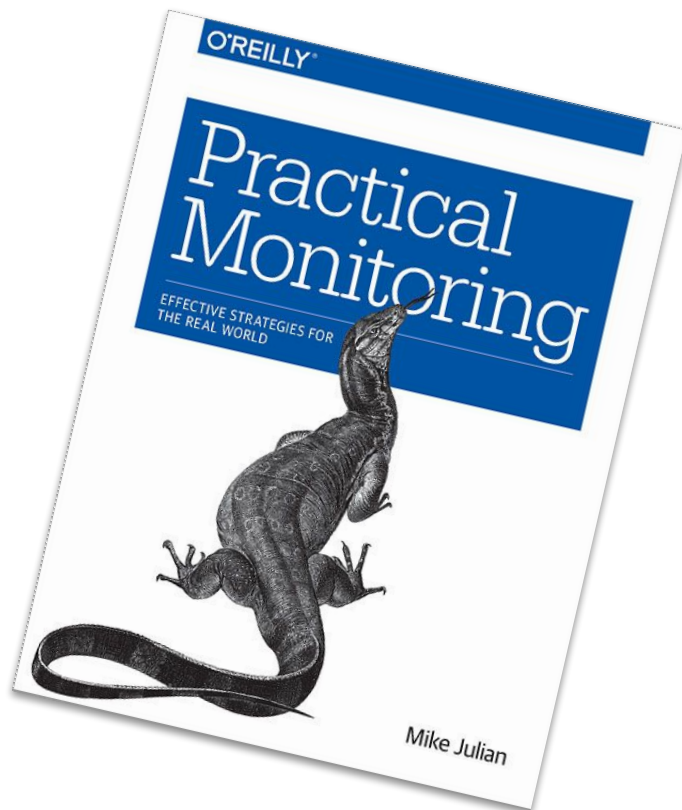


Where Can I Learn More?





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HEY!
TECH
CHATTER...

MORE EQUALLY
AWESOME
CHATTER!





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Thank you for listening

