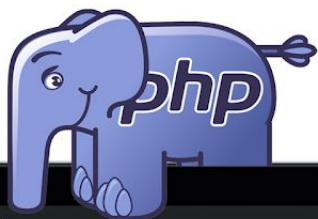




MONITORING INTRODUCTION



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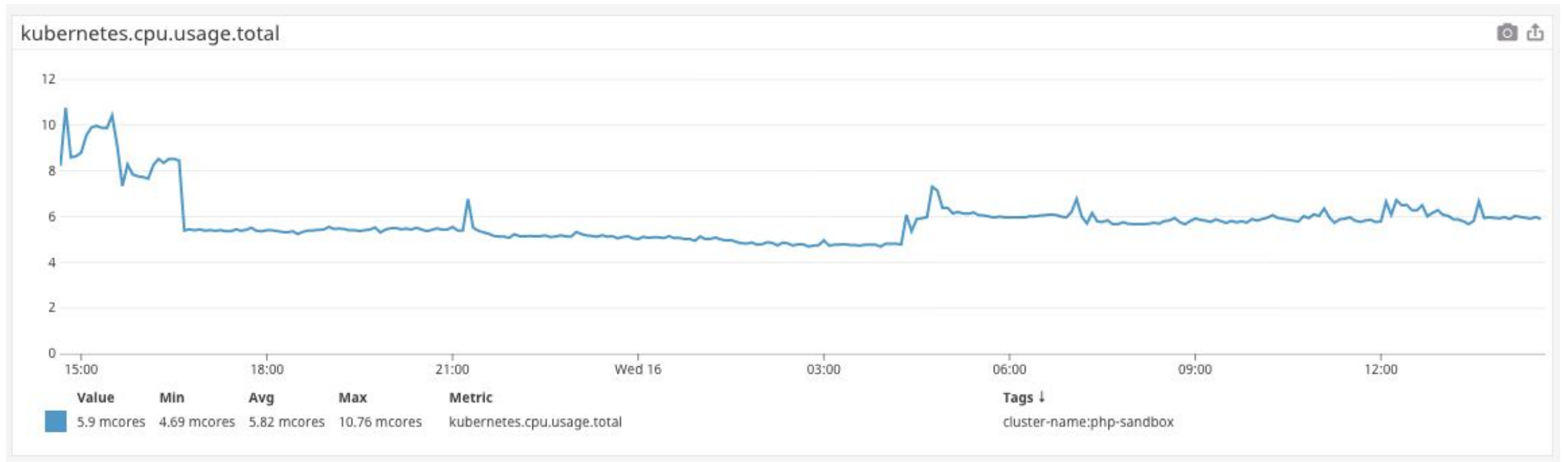
Kiwi.com, Brno

16. 10. 2019

METRICS

Metrics are measures of quantitative assessment commonly used for assessing, comparing, and **tracking performance** or production.

METRICS

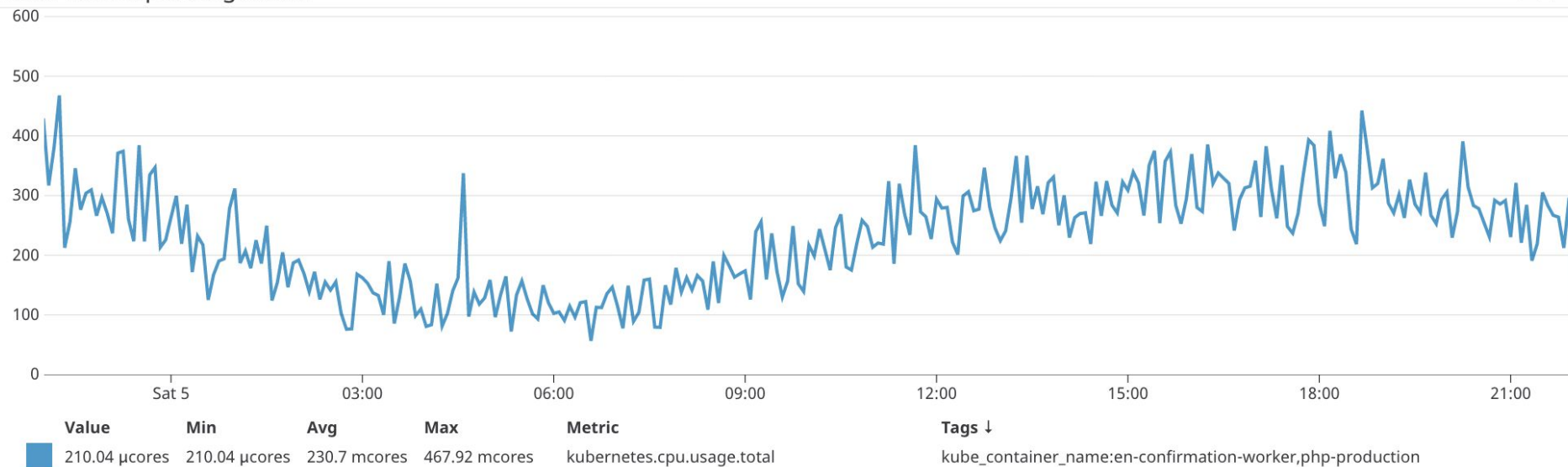


RED

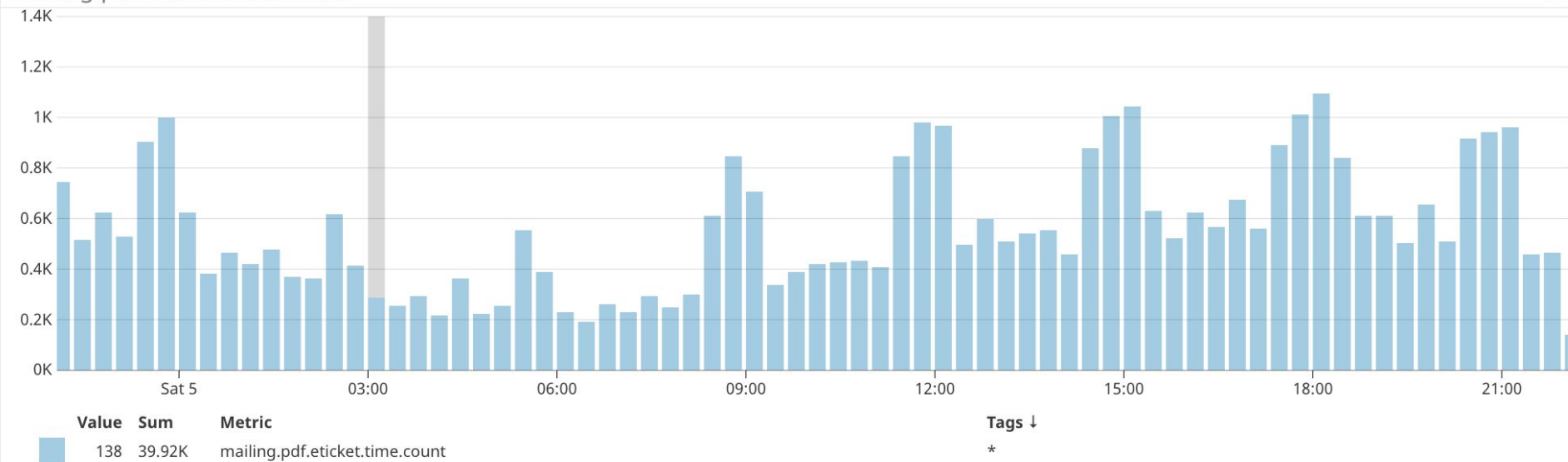


- **Rate**
The number of requests, per second, your services are serving.
- **Errors**
The number of failed requests per second.
- **Duration**
Distributions of the amount of time each request takes.

kubernetes.cpu.usage.total



mailing.pdf.eticket.time.count



```
$flags = [  
    'method' => 'GET',  
    'path' => 'api/v1/order/[ORDER_ID]',  
    'response_code' => 500,  
];
```

```
$collector->counter('be.api.example-com.counter', 1, $flags);  
$collector->histogram('be.api.example-com.timer', 2.34, $flags);
```

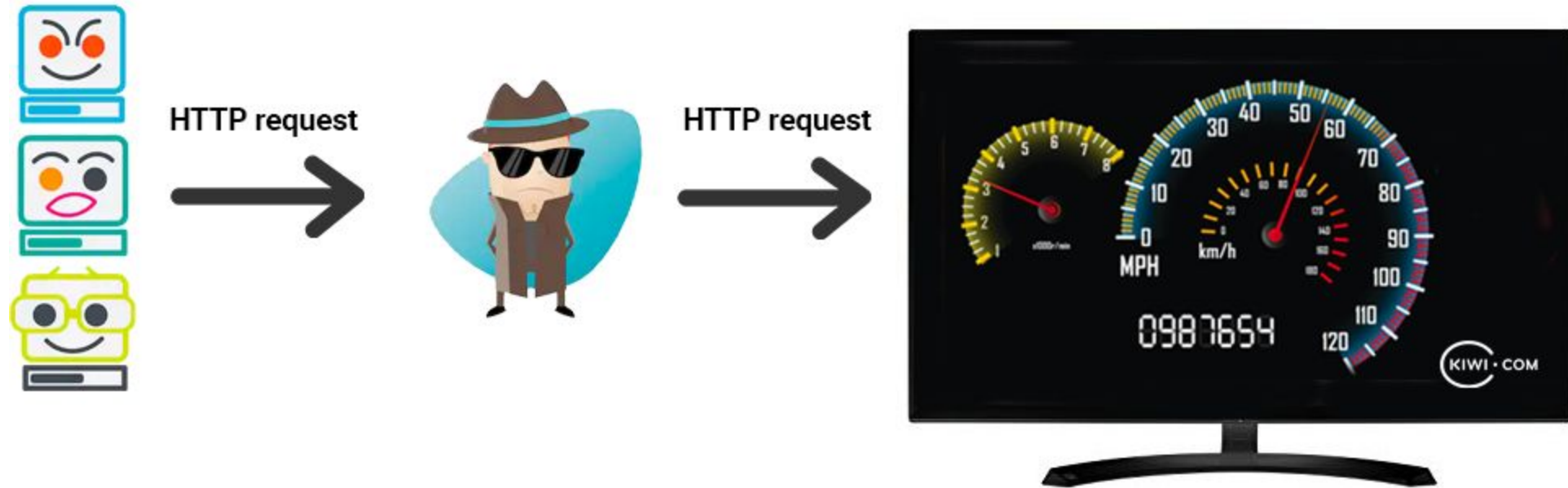
Push method



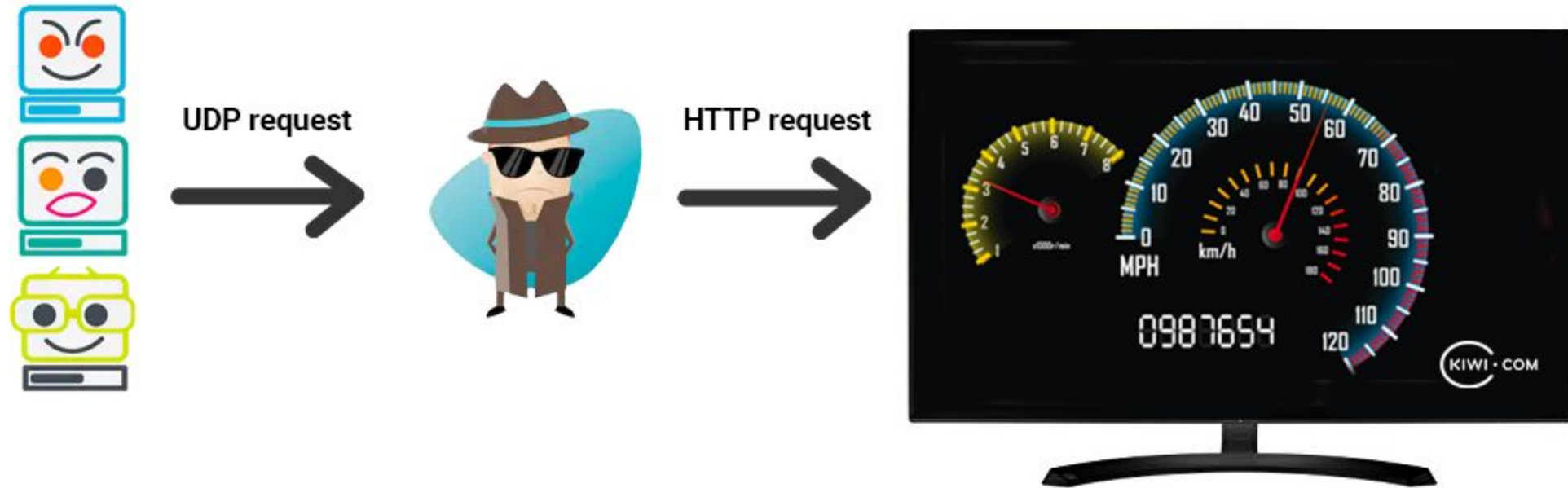
HTTP request



Push method



Push method



Pull method



GET /metrics



```
$client = new \GuzzleHttp\Client([
    'base_uri' => 'https://example.com',
]);

$startTime = hrtime(true);
$response = $client->get('/api/v1/order/10427879');
$duration = (hrtime(true) - $startTime) / 1e6;

$flags = [
    'method' => 'GET',
    'path' => 'api/v1/order/[ORDER_ID]',
    'response_code' => $response->getStatusCode(),
];

$collector->counter('be.api.example-com.counter', 1, $flags);
$collector->histogram('be.api.example-com.timer', $duration, $flags);
```

APM

- **Datadog**

Apache, PHP-FPM, CakePHP,
CodeIgniter, Curl, ElasticSearch,
Guzzle, Laravel, Lumen, Memcached,
Mongo, Mysqli, PDO, Predis, Slim,
Symfony, WordPress, ZendFramework

- **New relic**

Apache, PHP-FPM, CakePHP,
CodeIgniter, Drupal, Joomla, Laravel,
Megento, Guzzle, PDO, Memcached,
Postgres, MongoDB, Predis, Redis,
MySQL

Distributed tracing



That's it!

<https://gitlab.com/kozaktomas/talk-dd-apm>

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