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Who we are



Ocado Technology is transforming the future of online grocery retail through serial technology innovation



600,000+ last-mile routing adjustments made per second*



Seven development centres in the UK and Europe



200 patents granted and counting...



International partners in eight countries globally



20 million demand forecasts made each day







The Ocado Smart Platform

The most advanced eCommerce, logistics and fulfilment platform for groceries in the world.

Modular and scalable, our solution includes everything from:

- · Webshop and mobile apps
- Automated fulfilment
- Store pick
- Routing and deliveries

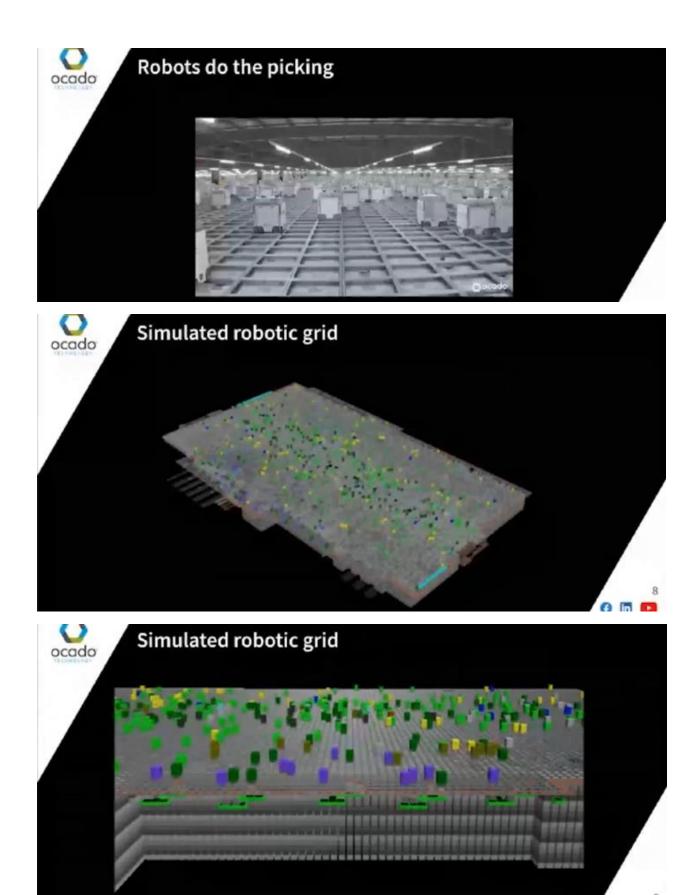






Robots do the picking





How do we monitor all of it?









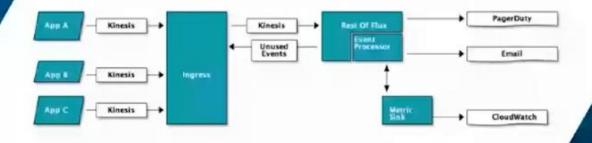
Why do we bother having own monitoring system?



Complex aggregated metrics on business event patterns

- Ratio of certain order funnel paths
- Order abandonment rate
- Number of route calculation started but not finished within the deadline

So, who watches the watchmen?









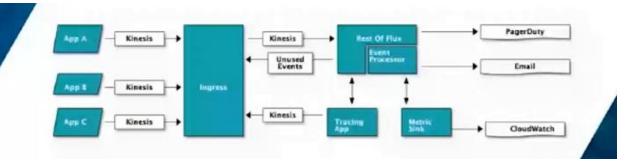


We use Micrometer for generating custom metrics



Monitoring CEP System (RED metrics for streaming)

- Rate
- Loss
- Delay







Why do we use Micrometer

- Mature framework with easy to use interfaces
- Custom metrics are part of the code
- Centered around dimensional metrics
- Works great with Spring Framework providing a wealth of metrics out of the box
- Has integrations with all major monitoring platforms





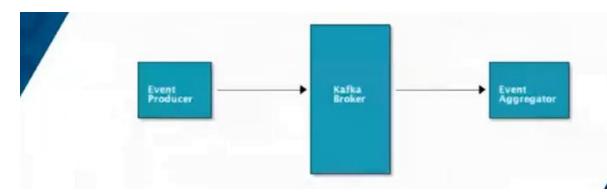
Dimensional metrics

- Metric value a scalar or vector of double values
- Tags arbitrary set of key value pairs

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Base metrics types

- Counter
- Gauge
- Timer
- Distribution Summary



Demo time!

Source code at: https://github.com/amalinovskiy/sample-streaming-system

