From Testing to Observing: Synthetic Monitoring Unpacked

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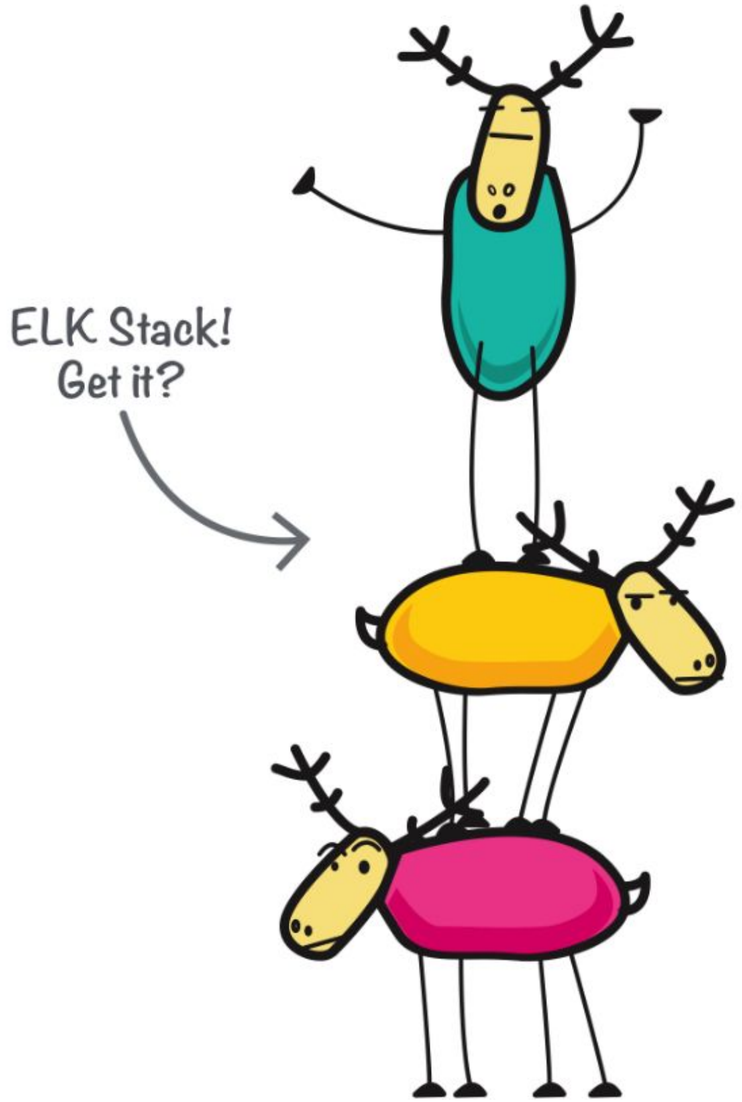

E Elasticsearch

L Logstash

K Kibana

What is Synthetic Monitoring?

Synthetic monitoring allows you to track user pathways using global testing infrastructure to gauge the influence of web and front-end performance on user experience.

How does synthetic monitoring relate to testing?

Both testing and synthetic monitoring emulate the user path. This tooling can be used to build tests that can also provide production monitoring in our web applications.

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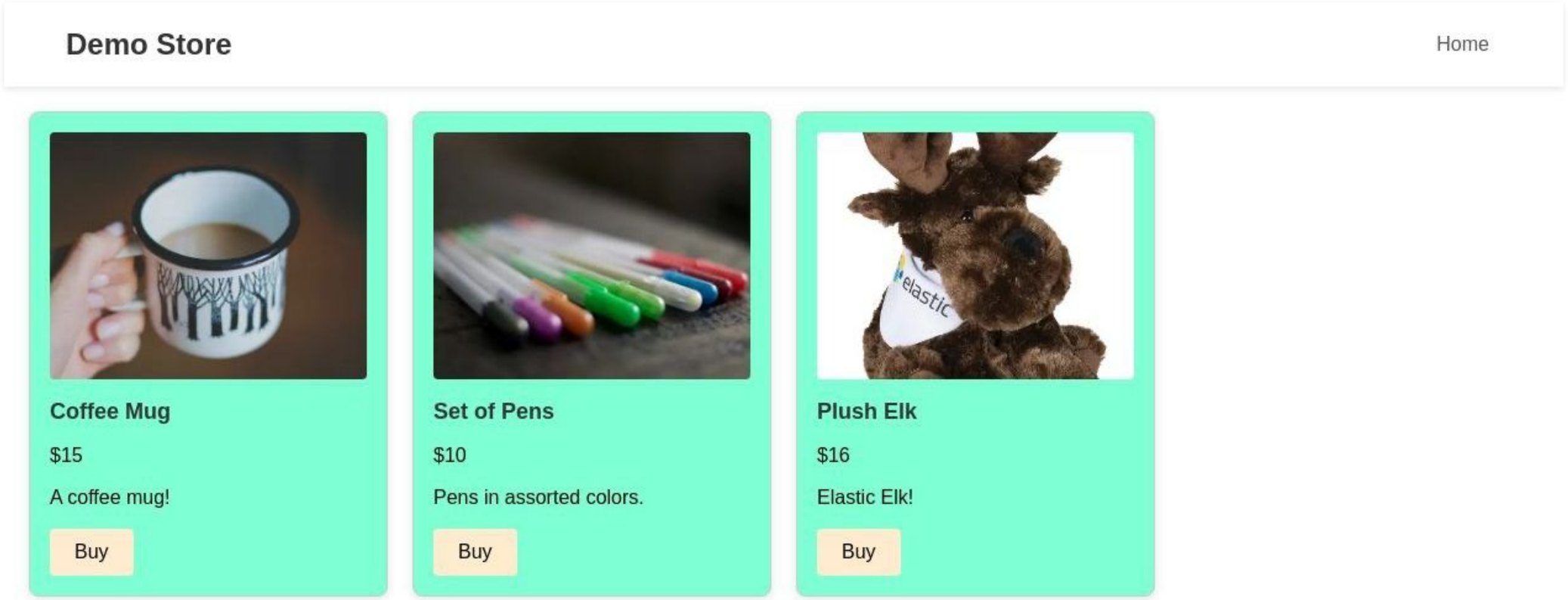
https://demo-store-ivory.vercel.app/



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Heartbeat

```
heartbeat.monitors:
- type: http
  name: Lightweight demo store
  id: demo-store-lightweight
  enabled: true
  urls: "https://demo-store-ivory.vercel.app"
  schedule: '@every 3m'
  timeout: 16s
  alert.status.enabled: true
```

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Elastic Synthetics 🤝 Playwright

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How to get started

```
npm install -g @elastic/synthetics
npx @elastic/synthetics init projects-test
```

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Key commands to keep in mind

Run synthetic tests:

```
npm run test
```

Push monitors to Kibana:

```
SYNTHETICS_API_KEY=<value> npm run push
```

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Let’s run our tests! 🧪

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Another option 😎

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Elastic Synthetics 🤝 Playwright

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Resources

Get started
https://www.elastic.co/guide/en/observability/current/synthetics-get-started-project.html

Two sides of the same coin: Uniting testing and monitoring with Synthetic Monitoring
https://www.elastic.co/observability-labs/blog/testing-monitoring-synthetic-monitoring

My coworker Carly's talk from DevOps.js
https://portal.gitnation.org/contents/synthetic-monitoring-and-e2e-testing-2-sides-of-the-same-coin-1979

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Speak at an Elastic User Group meetup

https://ela.st/present-at-a-meetup

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How to get involved in the Elastic Community

- [x] Interested in presenting? We would love to hear from your Elastic story. We welcome lightning talks, deep dives and everything in between.
- [x] Help us grow the user group! Bring a friend or colleague to our next meetup.
- [x] Is your company interested in hosting? We love working with local community members and their companies on joint events. Hosting a meetup is also a great recruiting opportunity. And as always, Elastic would cover the pizza, beer and swag! 🍻
- [x] Do you know of an affinity meetup chapter (a group for developers interested in various technology) that we could partner with for a joint event? Let us know. We love collaborating with local tech groups.
- [x] Something else? Feel free to reach out to us to chat more: meetups@elastic.co

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