Novacoast

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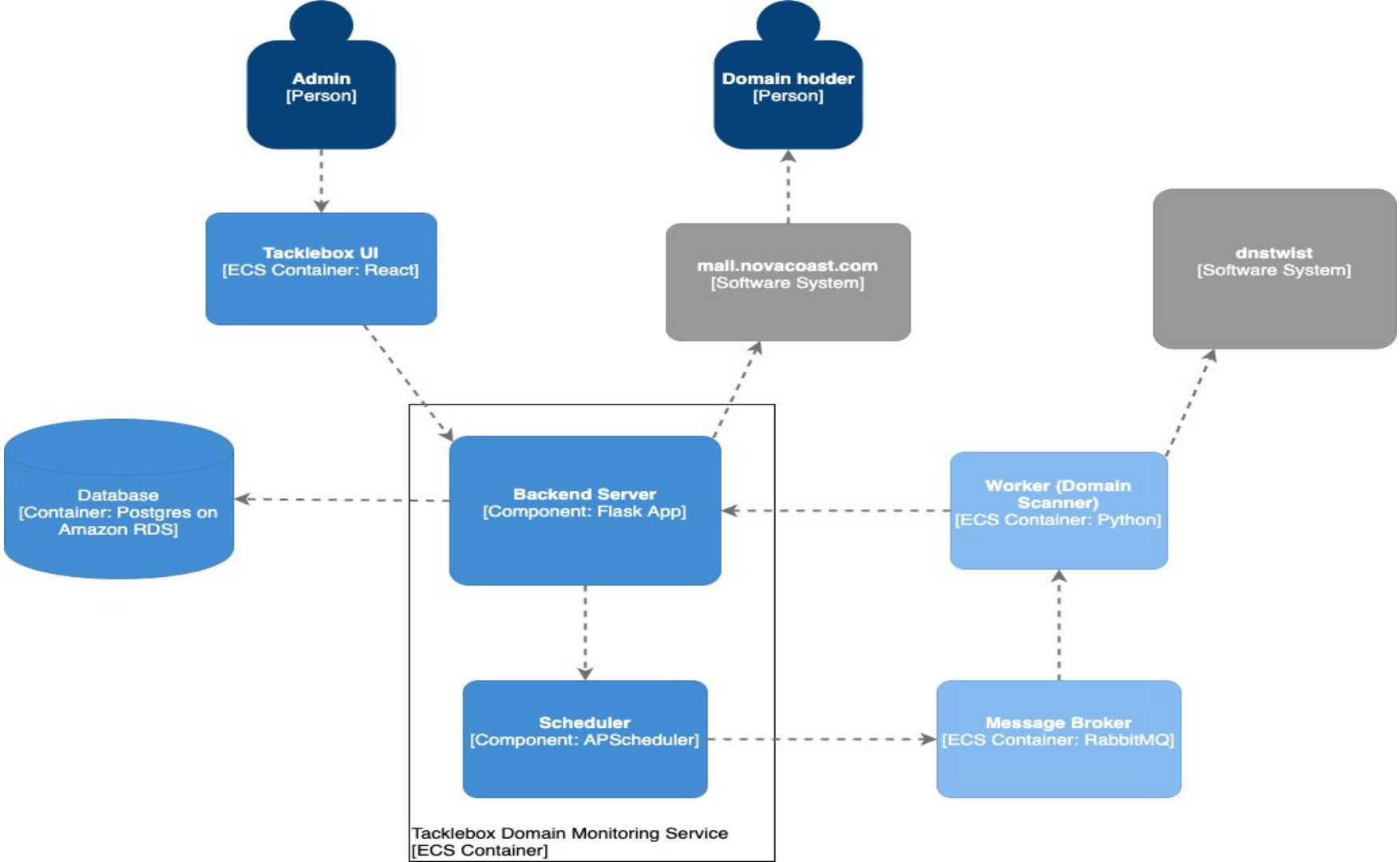
Phishing Websites

- Increase in frequency and sophistication of cybersecurity attacks
- Where's the weakest link?
- Financial Cost

TackleBox

- Why TackleBox?
- Domain monitoring service
  - Register Domains
  - Execute scans and provide reports on a dynamic cadence
- Hosting on AWS and CI/CD

Tacklebox Demo


Admin
[Person]
Domain holder
[Person]
Tacklebox UI
[ECS Container: React]
mail.novacoast.com
[Software System]
dnstwist
[Software System]
Database
[Container: Postgres on Amazon RDS]
Backend Server
[Component: Flask App]
Worker (Domain Scanner)
[ECS Container: Python]
Scheduler
[Component: APScheduler]
Message Broker
[ECS Container: RabbitMQ]
Tacklebox Domain Monitoring Service
[ECS Container]

Plans for CS189B

- Risk assessment per website
- Screenshots over time
- Authentication
- Emails
- Better frontend experience
- Performance improvements
- End to end testing