NearForm

Enterprise Grade DevOps

With a focus on security

4th of December, 2019

Today: First step is to CI/CR/CD but...

What about security?

- Many enterprises require undergoing infosec review for releases
- Regulated industries have very tight security requirements
- Delivering with confidence is important

Our Key takeaways from consulting...

Security has to be "pushed left"

- No final review but a "continuous review" process
- Developers need to be security savvy
- DevOps/SRE need to be security savvy
- Security needs to be development/operations savvy

DevSecOps

Why?

The cost of fixing a bug

Increases with every step on the pipeline. Security bugs are not a exception
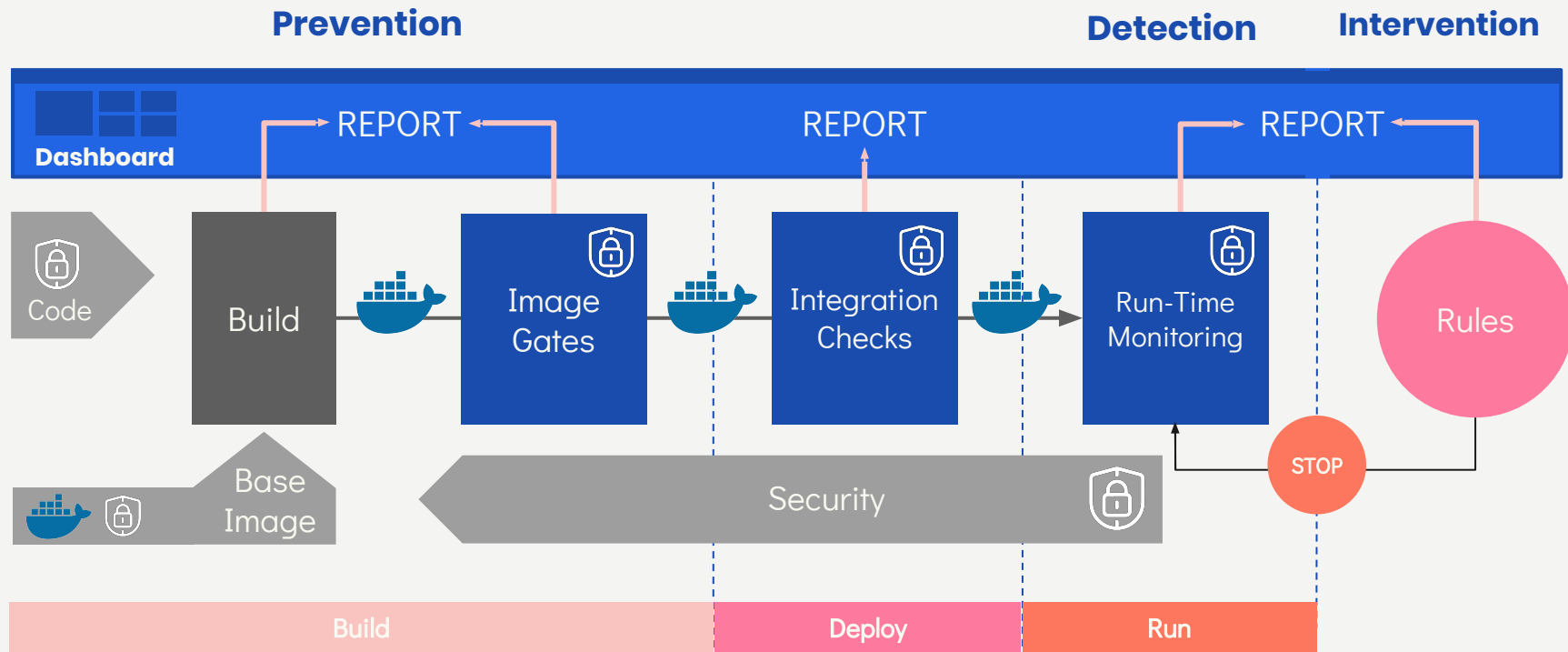
Security bugs can go unnoticed on normal operation

XSS vulnerabilities, security misconfigurations might not cause operations
to fail until it is too late (someone has exploited them.

Visibility is important: gets stakeholders in charge

Stakeholders might decide to not take the risk of deploying software with certain vulnerabilities

NearForm's Accelerators

What accelerates us?

- Customers want speed and we want to **avoid boilerplate consulting**
- Lift and shift patterns: **distilled experience**
- Every engineer in NearForm contributes to them and follows the **best practices with the available information**
- They **solve known architectural problems**

Titus: App Development best practices

What is Titus?

- Node.js application with high grade of modularity
- Showcase of **custom built components** ready to 'lift and shift'
- Provider agnostic Identity and Access Controls
- App with Hapi/Fastify + React + Material Design
- **Built at NearForm**

NOISE: NearForm Opinionated Infrastructure Stack for Enterprise

What is NOISE?

- A collection of patterns for h**ighly scalable and highly observable infrastructure**
- **Cloud Agnostic**
- Provider agnostic Identity and Access Controls
- Empowered standards

Our Method

Assess

- Take our survey for a high-level assessment
- Remote engagement to explore your needs
- On-site discovery workshops

Implement

- Assemble team of experts
- Deliver on a detailed workplan
- Embedded engagement
- Knowledge transfer

Direct

- Pro-active partnership
- Evolving tools and best practices
- On-going support and consultancy

NearForm effective DevOps

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Some discussion

Let's discuss;

- What do we do with CAB?
- Can Security be part of every step?
- SRE or DevOps? What is better suited to the Enterprise?

Questions?

Thanks for coming!

Keep in touch

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