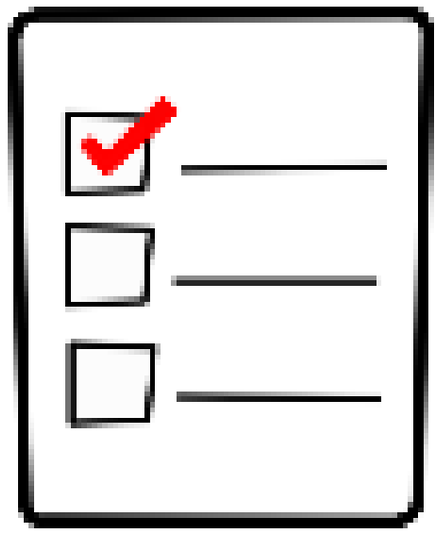
Scrum : Quality Matters

Harrisburg University Agile Summit 2016

Agenda

Today we'll explore quality in Scrum and the significance of:

- Cross-Functional Teams
- The Definition of Done
- Developer Feedback Loops



"Bugs in your product are a symptom of bugs in your process -- if you focus on fire prevention, you'll reduce the need to fight fires"

Henrik Kniberg, Lean from the Trenches

What is Quality?

Cross-Functional Teams

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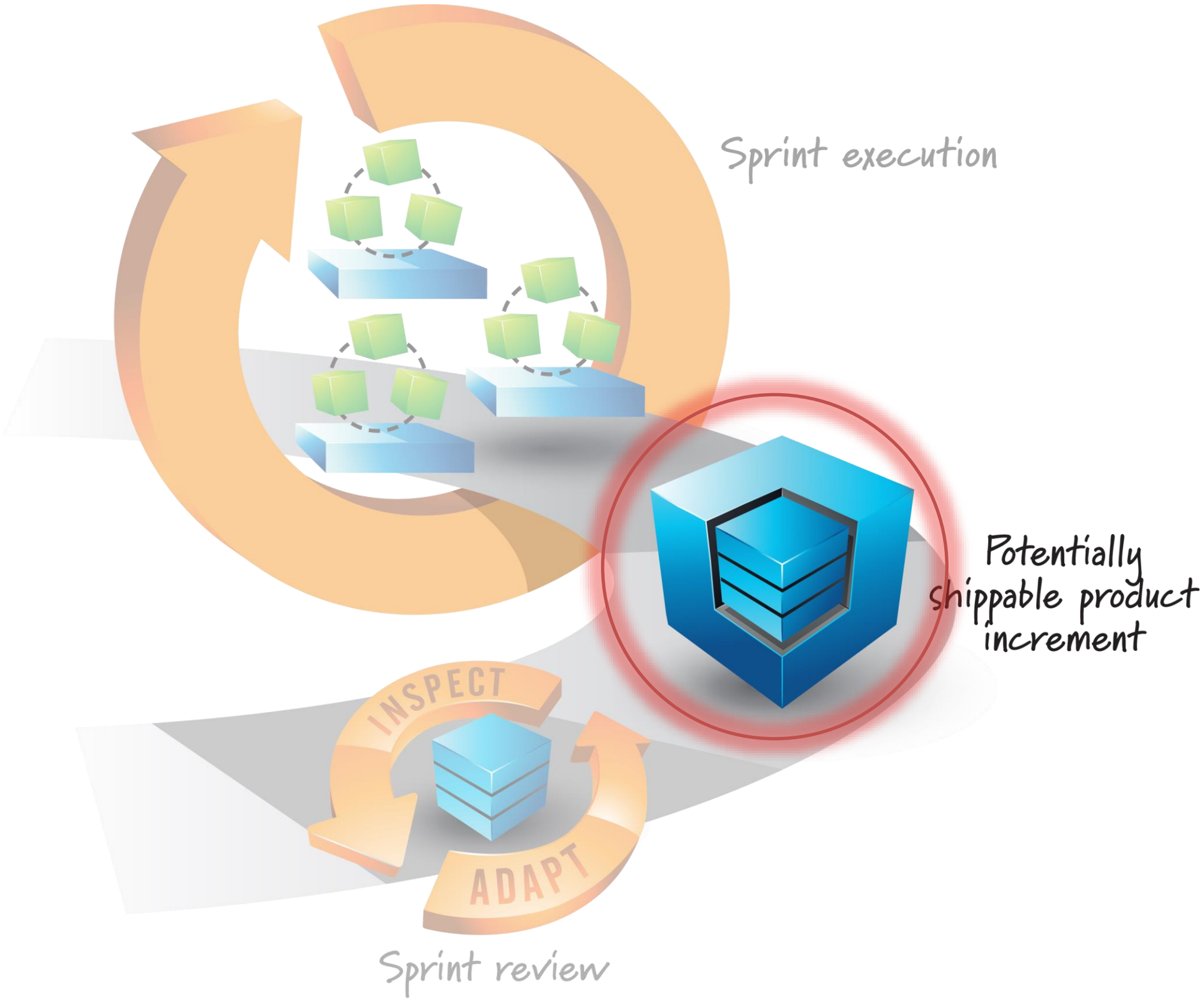
WHAT'S HOLDING YOU BACK?

In Scrum, what is the primary reason for having a team that is cross-disciplinary?



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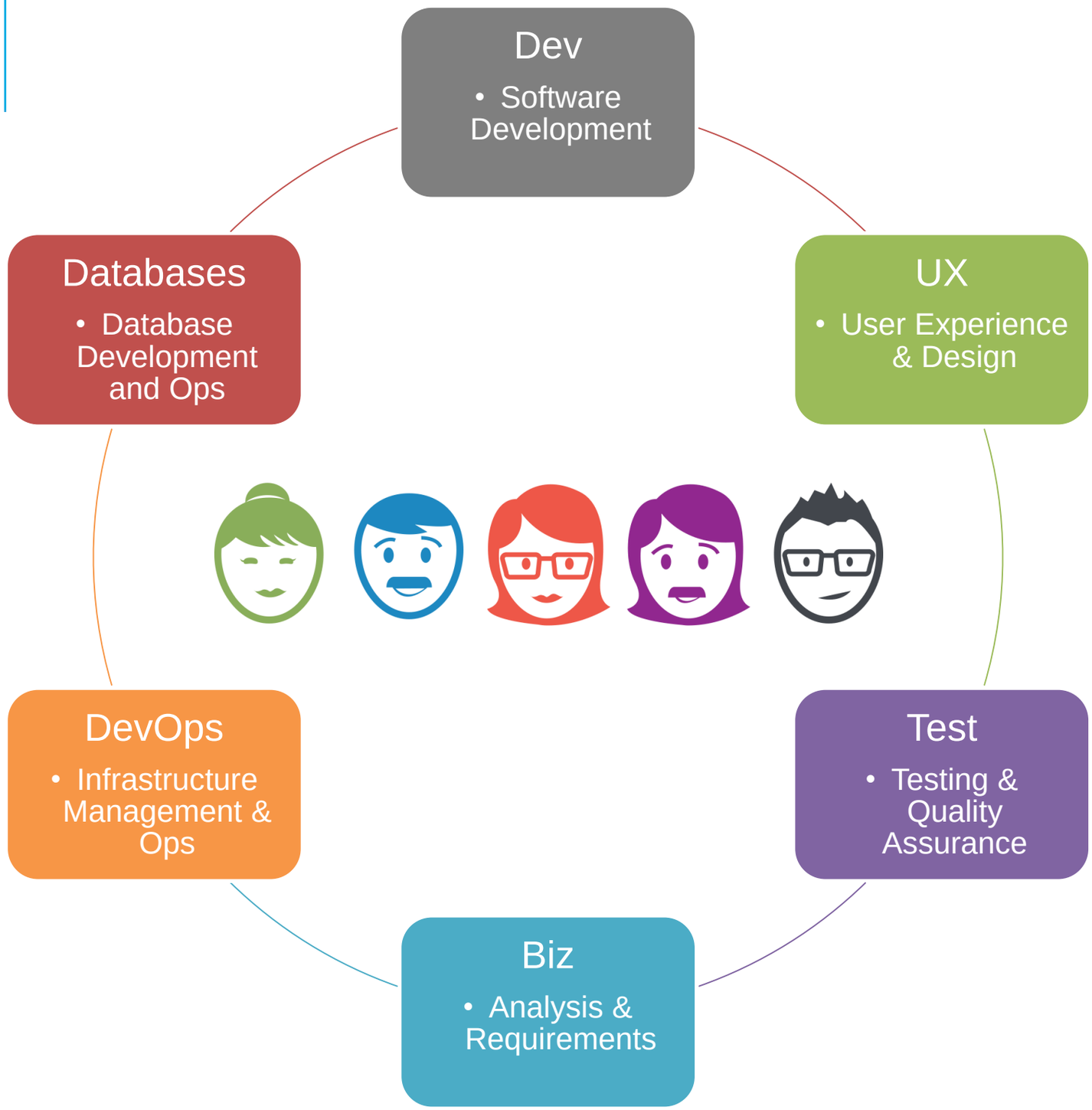
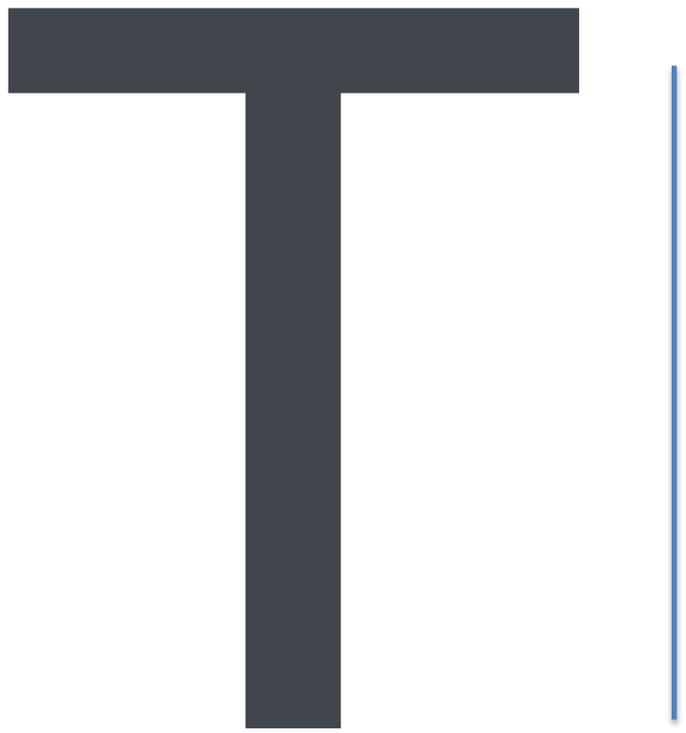
Cross-Functional Team



T-Shaped Developer



Is an increment possible without a Cross-Functional team?

Definition of Done

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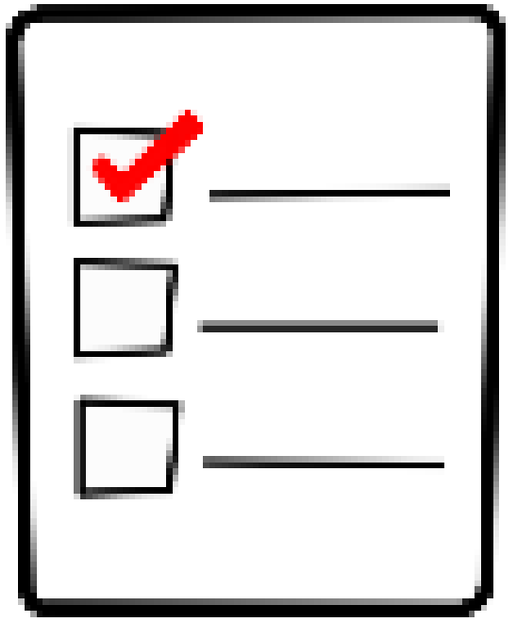
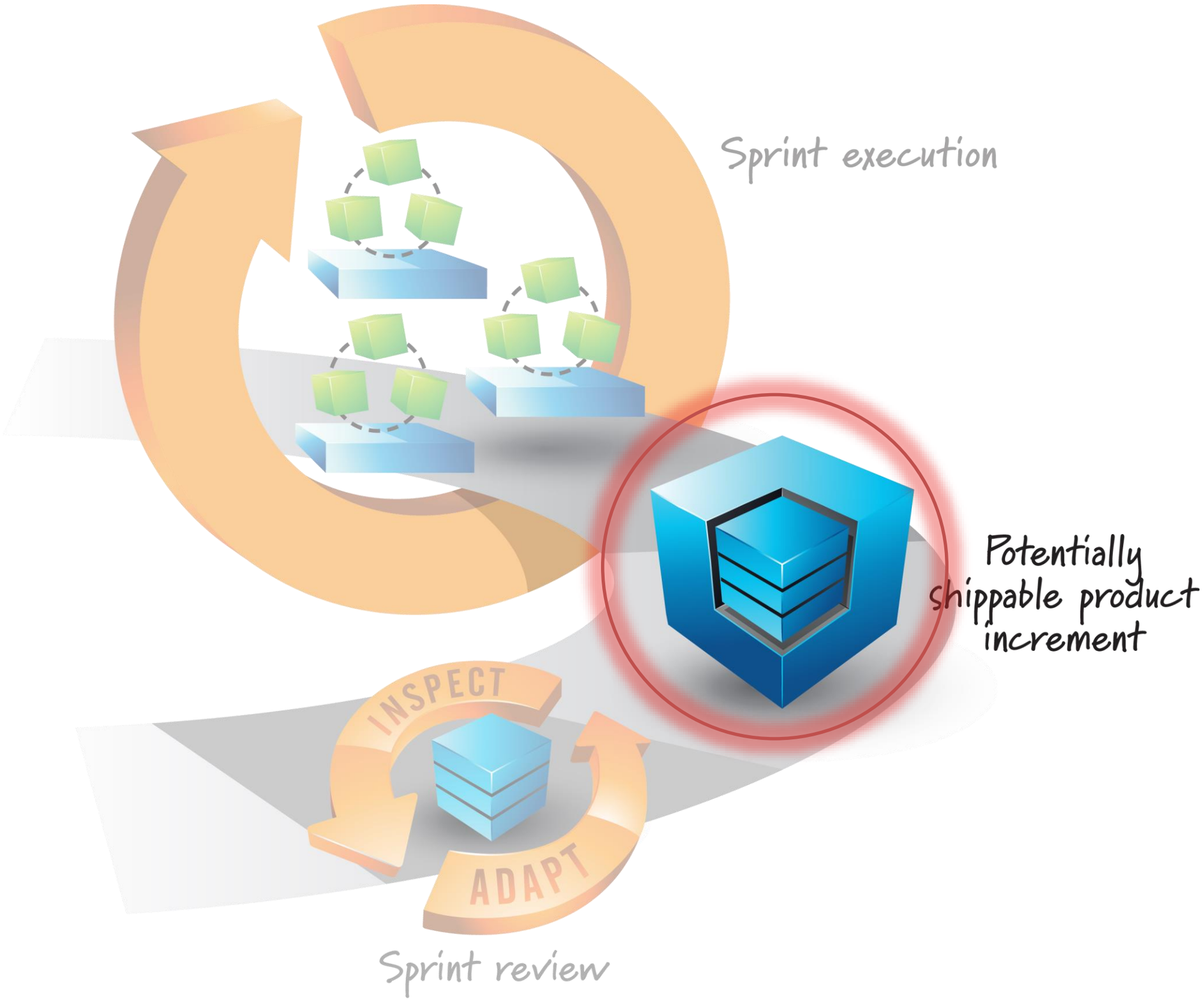
WHAT'S HOLDING YOU BACK?

What is the Definition of Done?

- Done - The state at which something (the increment) becomes releasable.
- Definition of Done
  - A simple checklist
  - Describes what “Done” means
  - Ensures transparency
  - Influences Sprint Planning
  - Helps to avoid “undone” work
- Example items on a DoD:
  - Automate Testing at the appropriate levels
  - The PO likes it
  - All acceptance criteria has been met
  - No known bugs
  - Code has been peer reviewed





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If we don’t know what done is who defines what the definition of quality is?

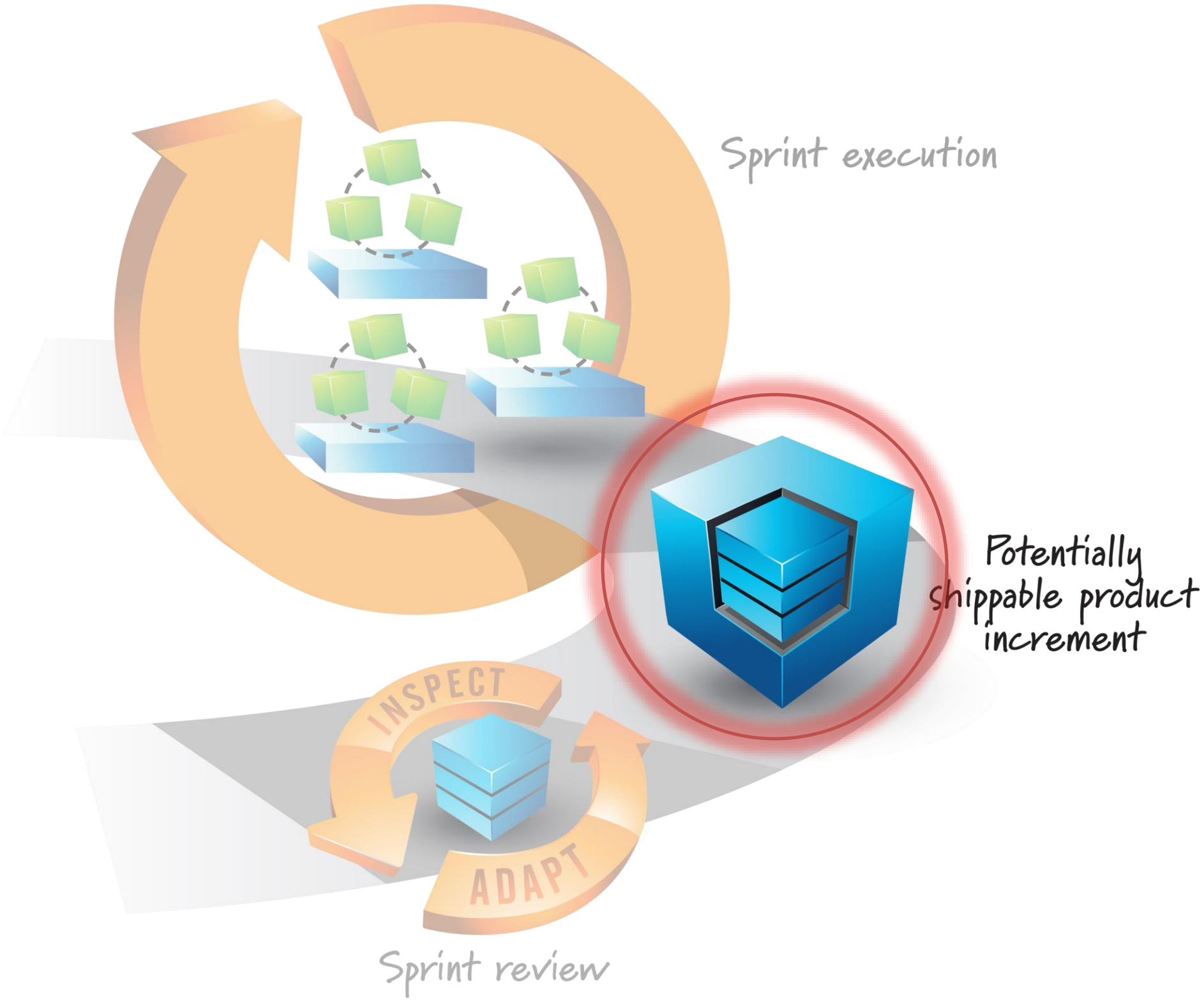
Developer Feedback Loops

Empirical Process Control

- Empirical - Derived from or guided by experience
  - Inspection, Adaption, Transparency
- Scrum Events
  - Sprint
  - Sprint Planning
  - Daily Scrum
  - Sprint Review
  - Sprint Retrospective

Supporting Practices

- Automated Testing
  - Unit
  - Integration
  - UI
  - Acceptance
  - Etc.
- Continuous:
  - Integration
  - Deployment
  - Delivery
- Pair Programming
- Code Analysis



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Why is it important to increase feedback loops to developers?

Conclusion

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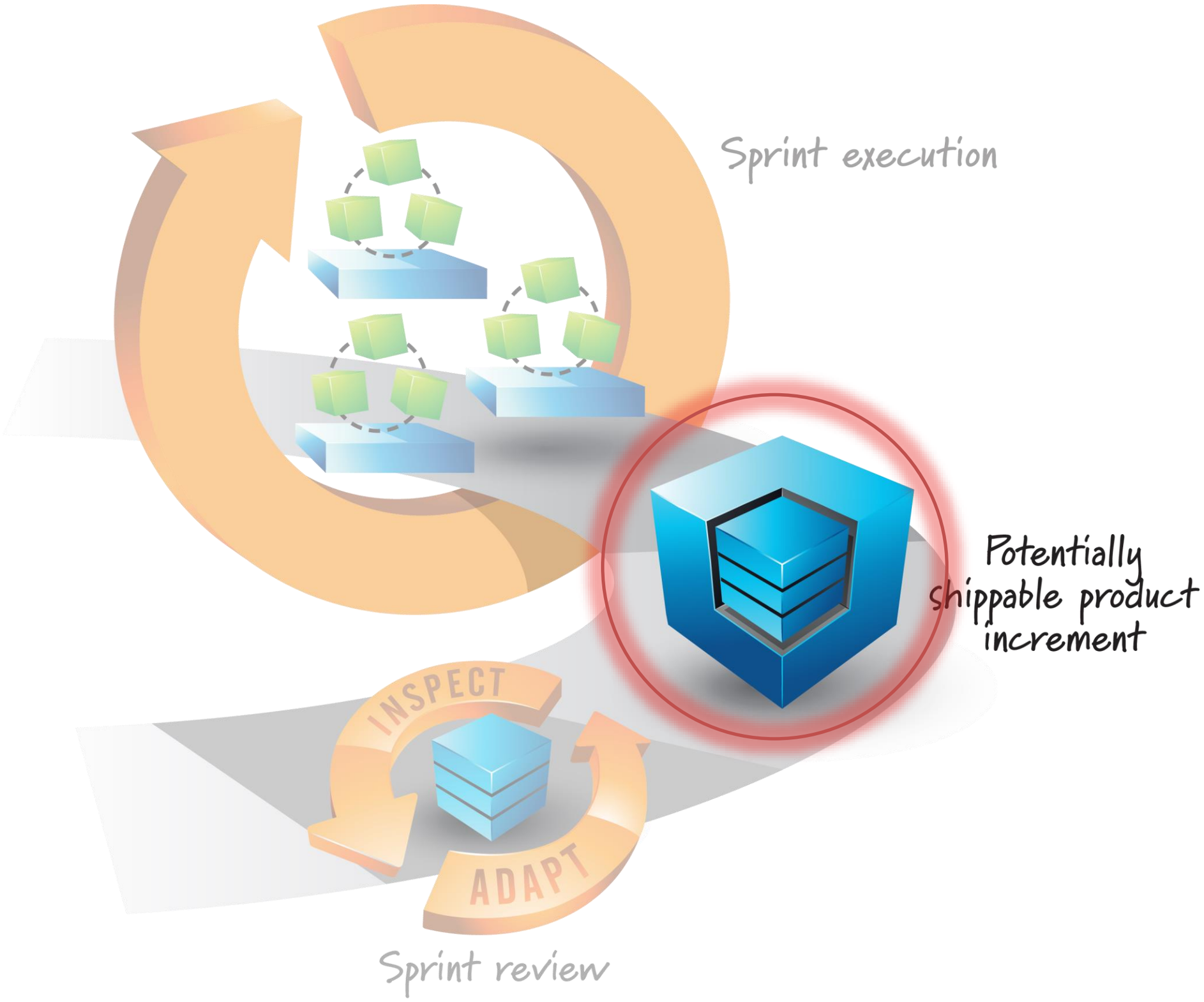
WHAT'S HOLDING YOU BACK?



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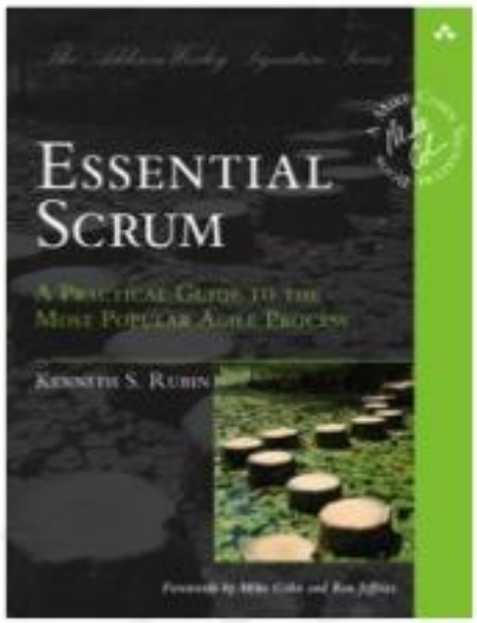

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