



**Essence
Software Engineering Essentialized**

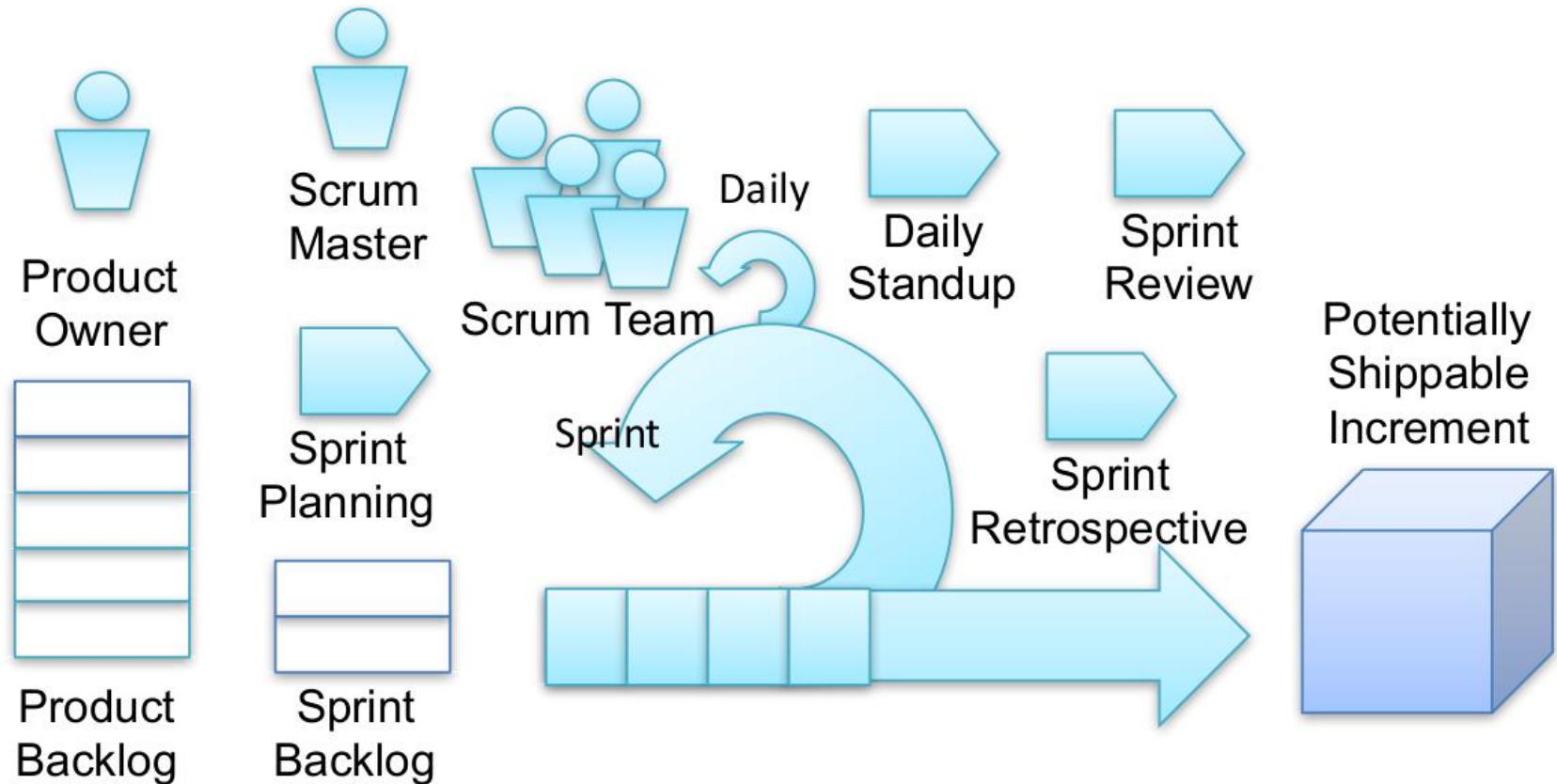
Running with Scrum

List of authors TBD

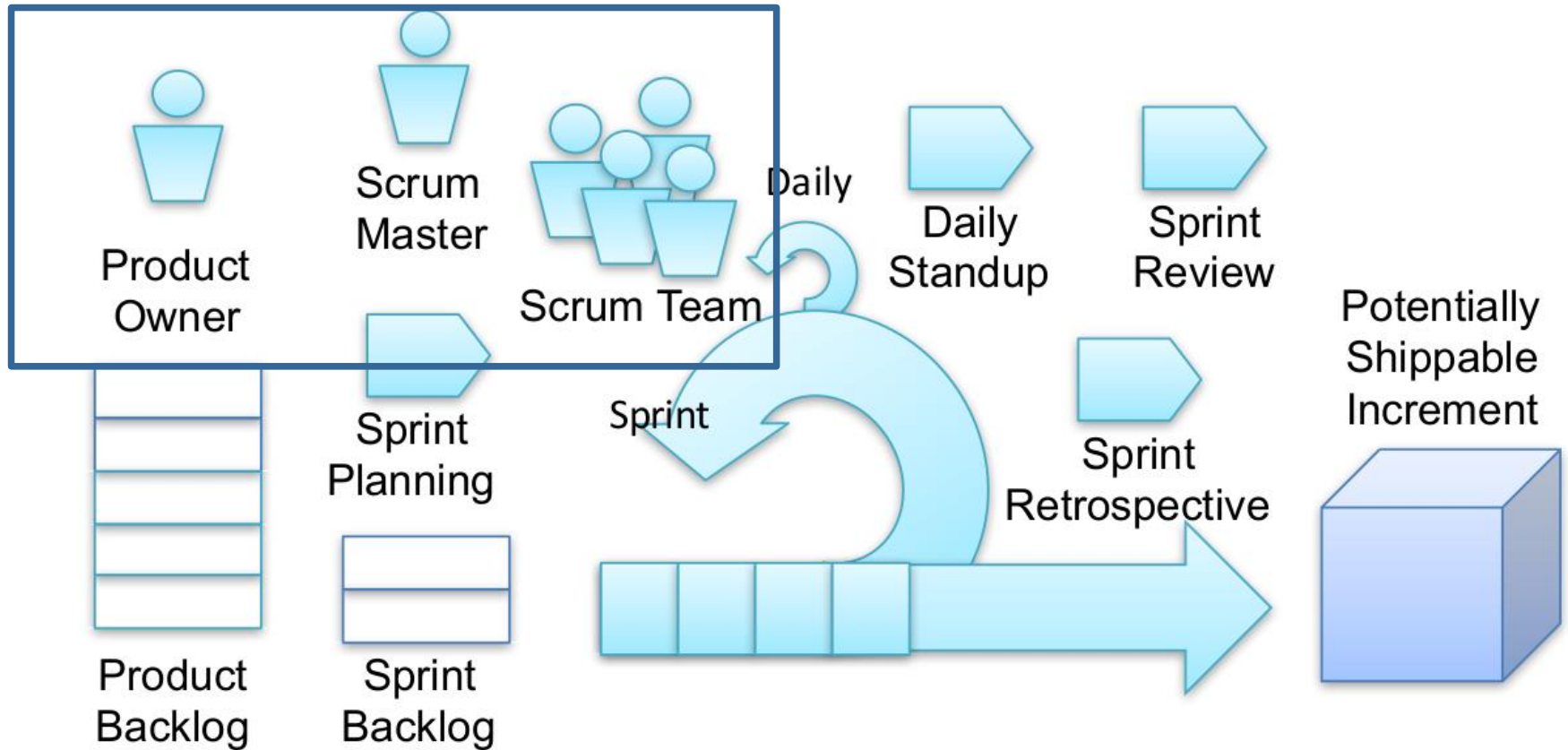
What is Scrum?

- Scrum is currently the most popular agile practice at the time of this writing.
- Jeff Sutherland and Ken Schwaber created Scrum to get teams to work iteratively and to collaborate more effectively by following a number of practical and proven activities.

Scrum Overview

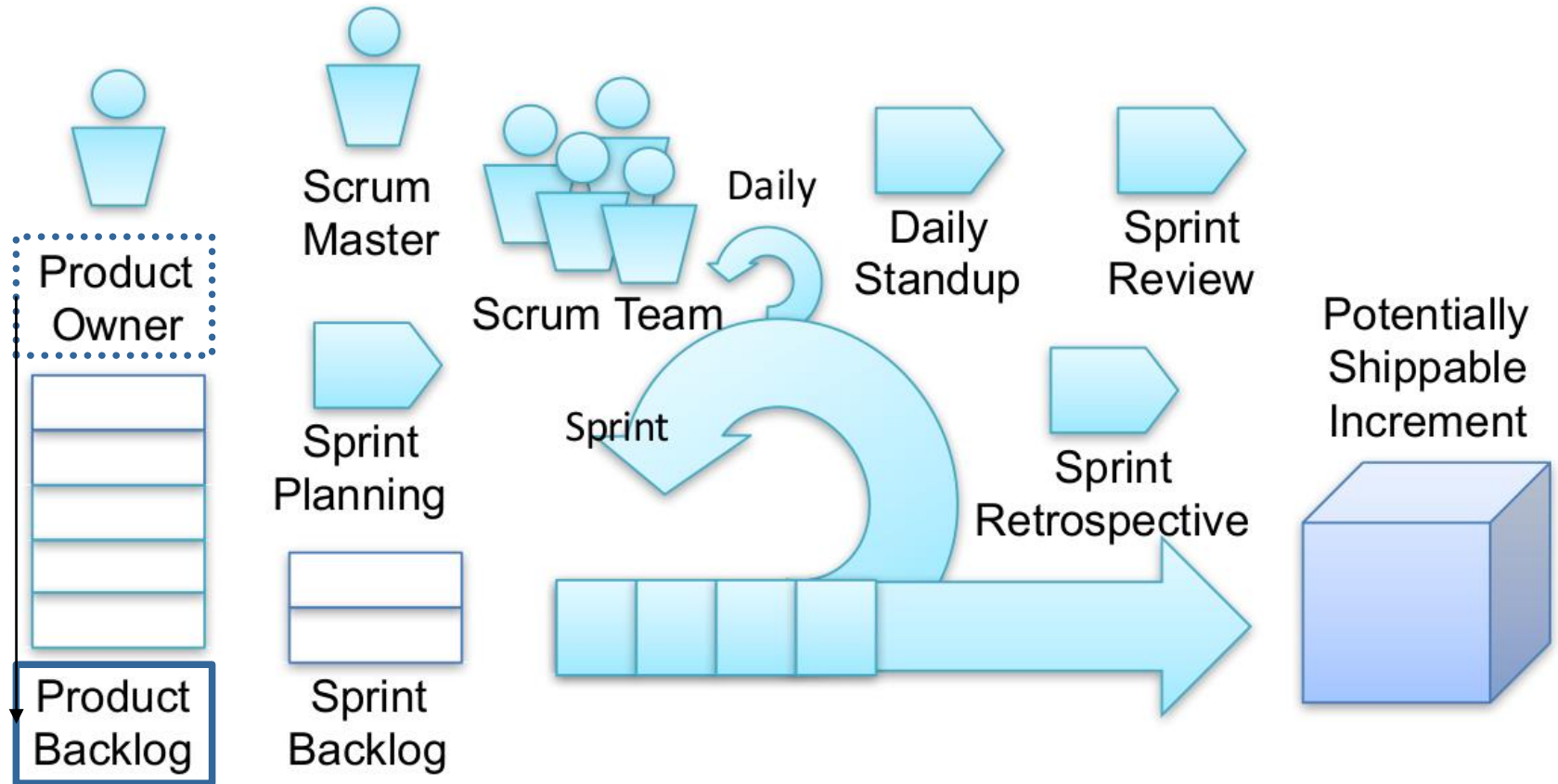


Scrum Team



Scrum targets a small development team with about 7 plus or minus 2 members working together.

Scrum Elements

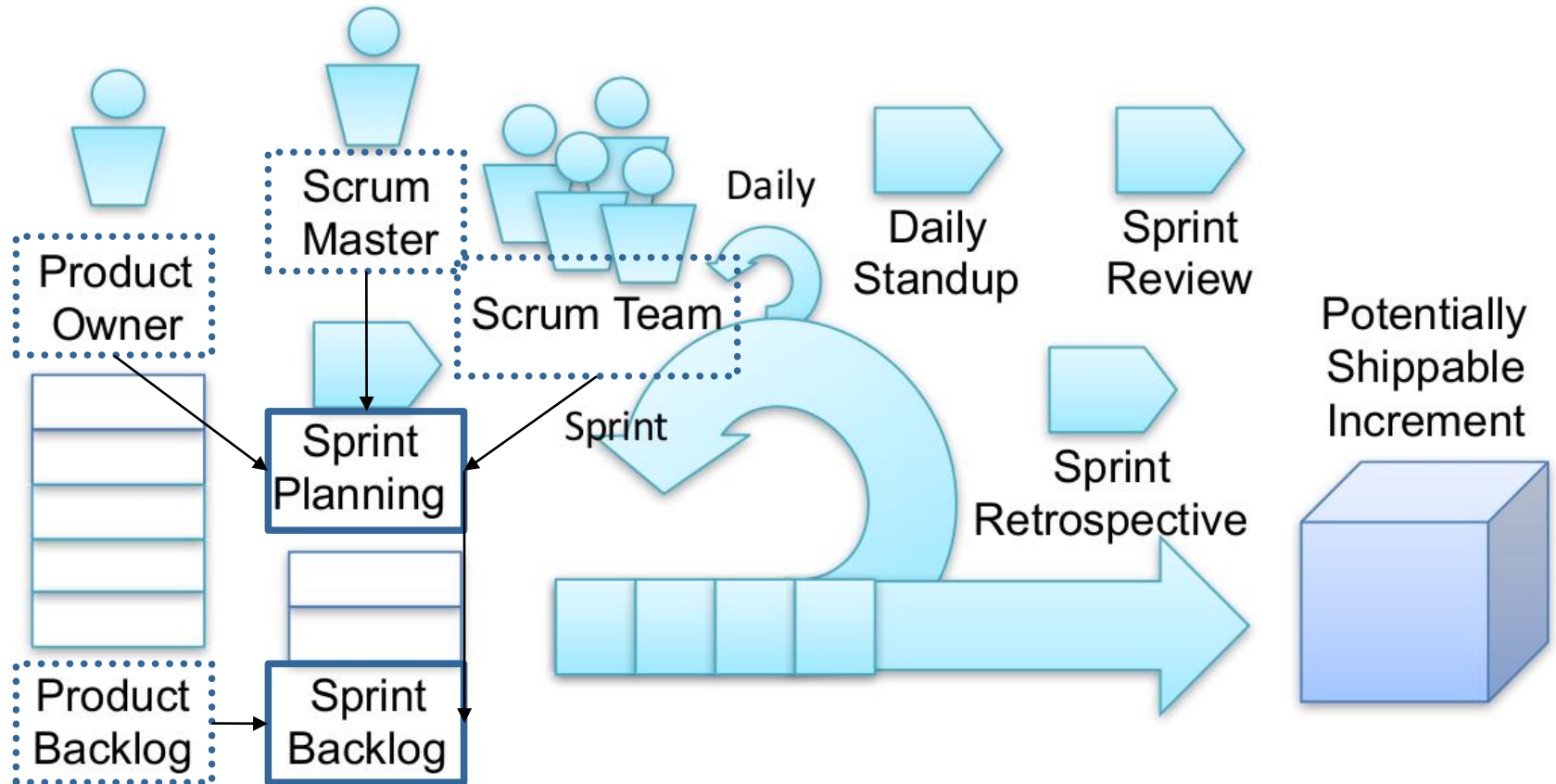


The **Product Backlog** is an ordered list of the things to do, sorted by importance. It is made up by Product Backlog Items (PBIs): a piece of a requirement, needed improvements or even defects to be fixed.

Scrum Roles in detail

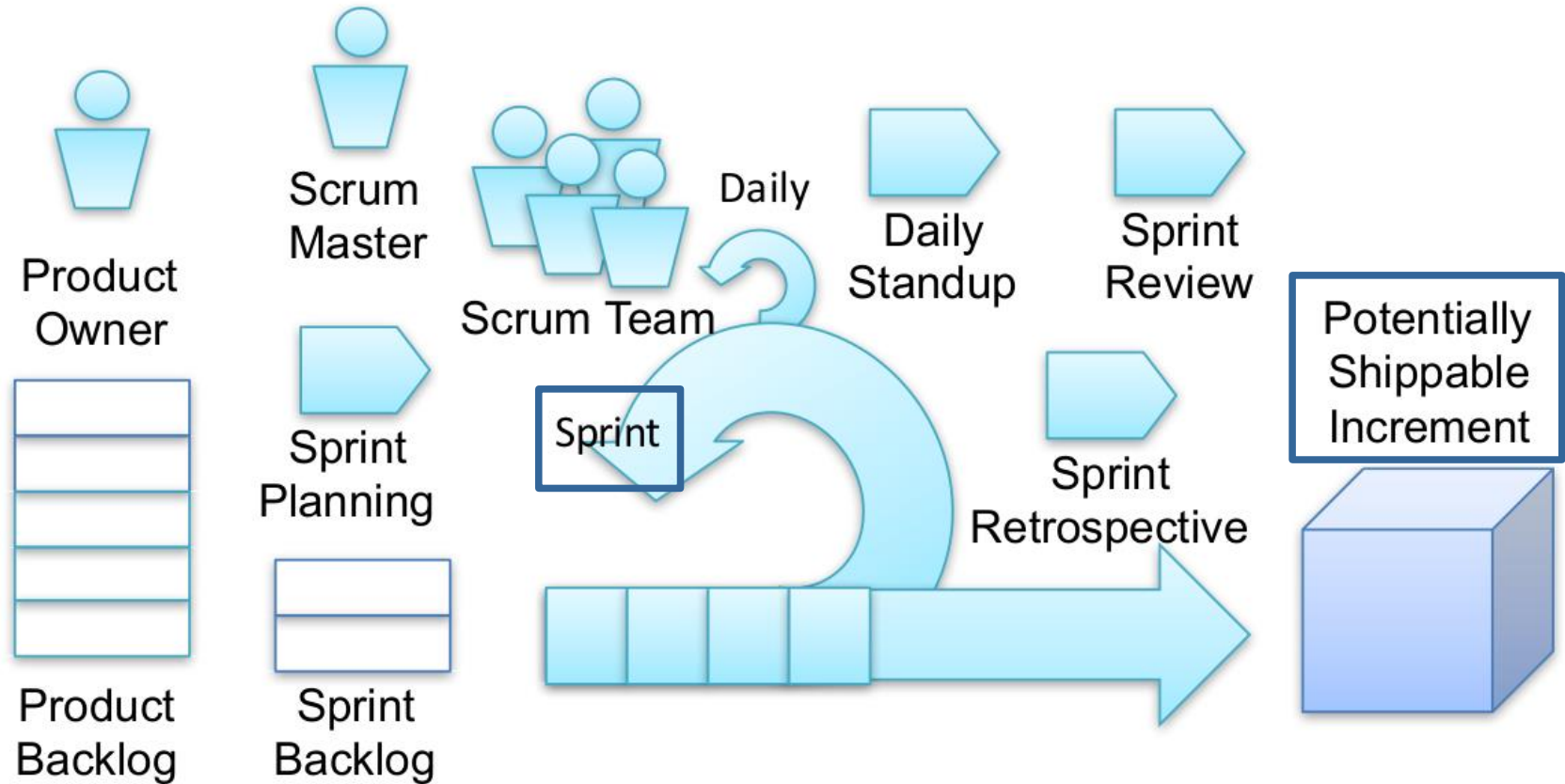
- **Team members:** cross-functional people responsible for estimating the effort for implementing PBIs and, of course, develop them.
- **Product Owner (PO)** : incarnates the Client's vision, is responsible for feeding the Product Backlog based on his interaction with customers and users. He also prioritizes the PBIs
- **Scrum master (SM)** : a servant
- leader, a person who facilitates the Scrum activities and motivates the team members to follow the Scrum activities. (problem-solver, team defender)

Scrum Elements



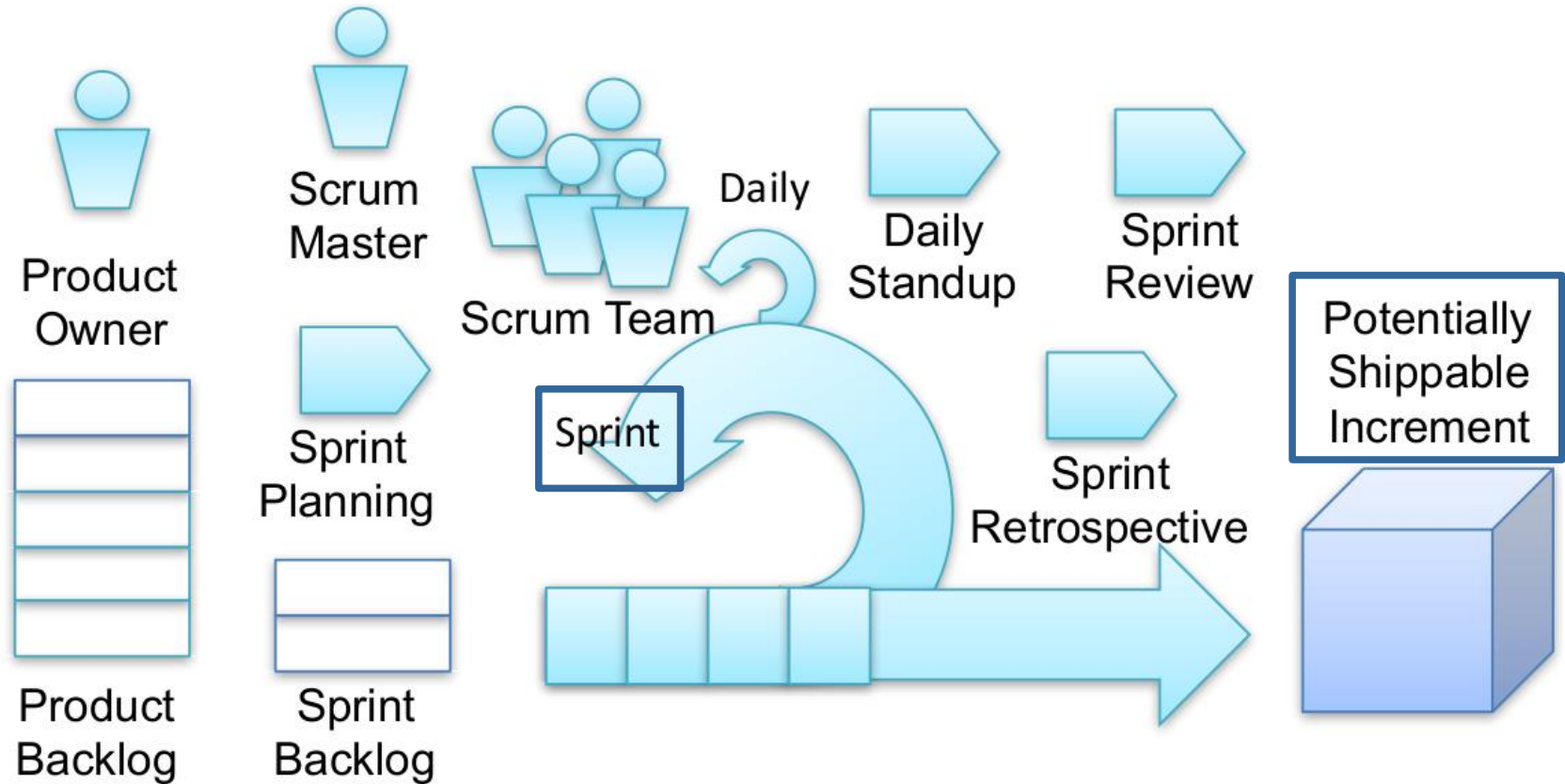
Th PBIs are moved from the Product Backlog to the **Sprint Backlog** by the whole team during the **Sprint Planning**. This determines what can be delivered in the next iteration (and how)

Scrum Elements



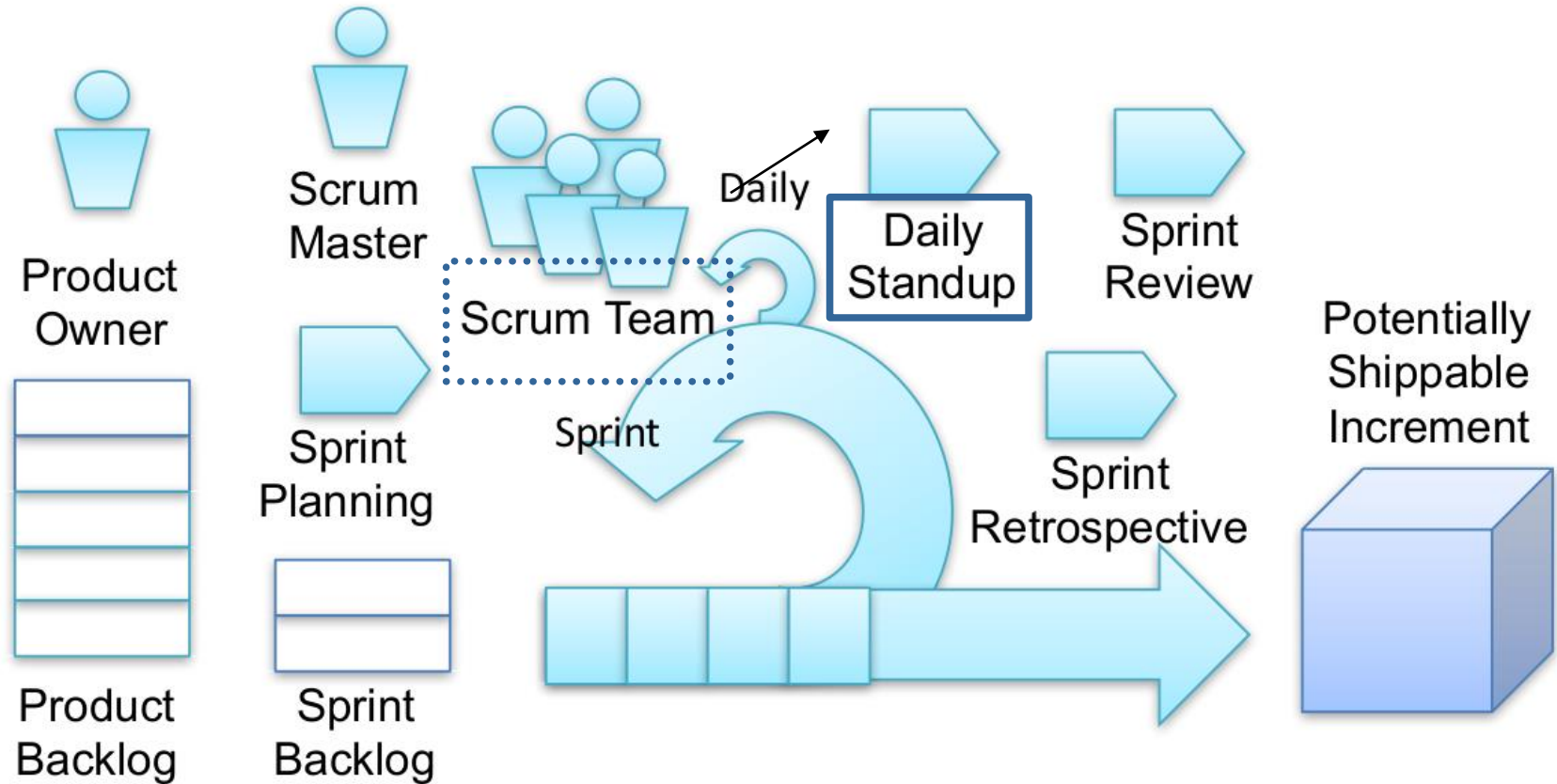
Sprint, a fixed length period of time, usually (1-4 wks), during which the team meets a certain goal. This includes producing a **Potentially Shippable Increment** of the product.

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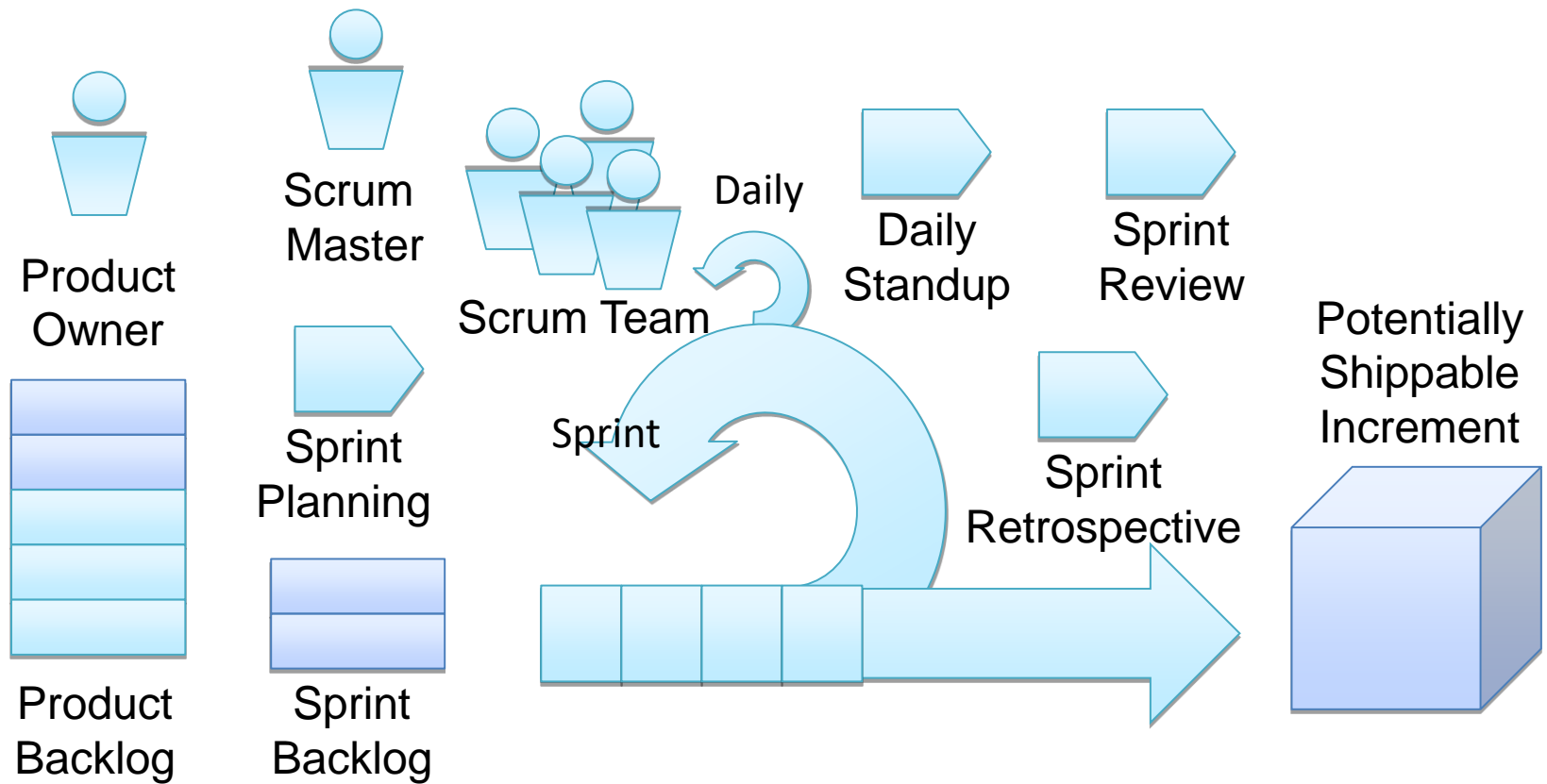


Each day, the team performs Daily Scrum, a 15-minute meeting. Here each team member explains what he/she did since the last meeting, what s/he plans to do today, and what is getting in her/his way.

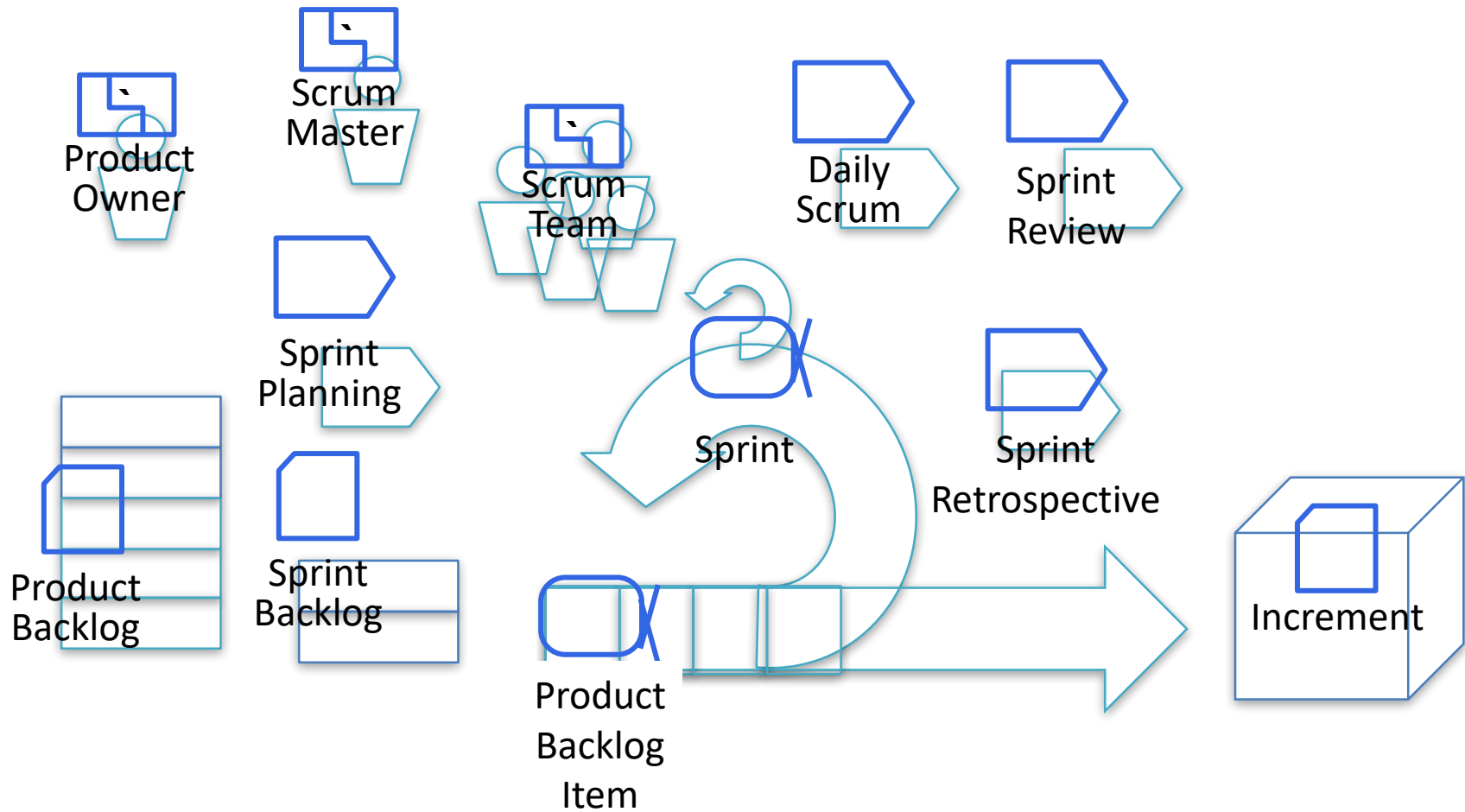
Scrum and Scrum Lite

Scrum a set of practices, i.e. a repeatable, systematic and verifiable approach to doing something with a specific purpose in mind. Scrum focuses on improving team collaborations and performance in order to conduct iterative development in a collaborative manner. Scrum is not a simple; therefore we introduce a simplified, single-practice version of Scrum, called **Scrum Lite**, that captures the core elements of Scrum.

Scrum



Essence elements within Scrum



For Next Time

- Review Essentials Ch. 14 Sections 1 – 5
- Review this Lecture
- Read Essentials Ch. 14 Sections 5 – 7
- Come to Lecture