



### Scrum in 100 words

- Scrum is an agile process that allows us to focus on delivering the <u>highest business value</u> in the shortest time.
- It allows us to <u>rapidly</u> and repeatedly inspect actual working software (every two weeks to one month).
- The <u>business sets the priorities</u>. Teams self-organize to determine the <u>best way to deliver</u> the highest priority features.
- Every two weeks to a month anyone can see real working software and <u>decide to release it</u> as is or continue to enhance it for another sprint.

### Scrum has been used for:

- Commercial software
- In-house development
- Contract development
- Fixed-price projects
- Financial applications
- ISO 9001-certified applications
- Embedded systems
- 24x7 systems with 99.999% uptime requirements
- the Joint Strike Fighter

- Video game development
- FDA-approved, life-critical systems
- Satellite-control software
- Websites
- Handheld software
- Mobile phones
- Network switching applications
- ISV applications
- Some of the largest applications in use







## Sprints

- Scrum projects make progress in a series of "sprints"
  - Analogous to Extreme Programming iterations
- Typical duration is 2–4 weeks or a calendar month at most
- A constant duration leads to a better rhythm
- Product is designed, coded, and tested during the sprint





















# <section-header> The daily served Parameters Daily 15-minutes Stand-up Not for problem solving Whole world is invited Only team members, ScrumMaster, product owner, can talk

Helps avoid other unnecessary meetings













A sample product backlog	
Backlog item	Estimate
Allow a guest to make a reservation	3
As a guest, I want to cancel a reservation.	5
As a guest, I want to change the dates of a reservation.	3
As a hotel employee, I can run RevPAR reports (revenue-per-available-room)	8
Improve exception handling	8
	30
	50







# Scalability

- Typical individual team are 7 ± 2 people
  - Scalability comes from teams of teams
- Factors in scaling
  - Type of application
  - Team size
  - Team dispersion
  - Project duration
- Scrum has been used on multiple 500+ person projects









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