

Agile, DevOps & QA Conference



ZENPOSIUM 2017



The Software Delivery
Experts

Bugfest!

*Exterminating Pesky Bugs using Kanban
Techniques*



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Agenda

- What is a Bugfest
- Kanban Primer
- Is a Bugfest right for you
- Squashing Bugs with Kanban Techniques
- Q & A

What is a bugfest?

- First introduced in 2002
- Brief period of time in a project when the project team concentrates on identifying and eliminating “old” bugs

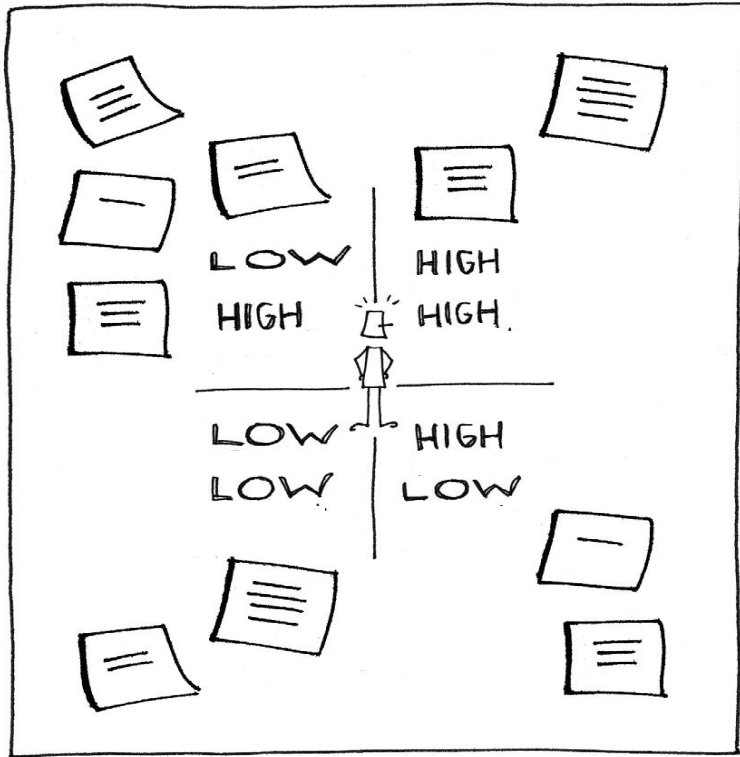


How does it work?

- Generate existing bug reports (1 day)
- Testers review and categorize based on (1 week)
 - Severity
 - Frequency
 - Age
 - Other

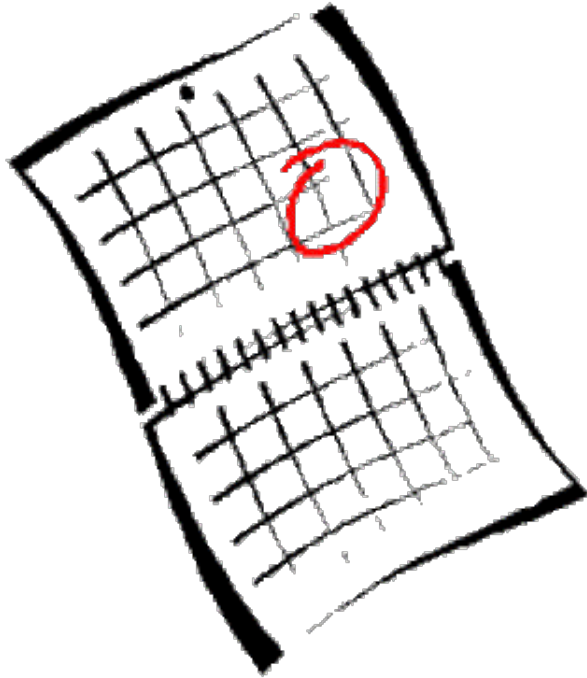


How does it work?



- Gather input from key stakeholders (2 weeks)
 - Users
 - Support
 - Developers
 - Other

How does it work?



- Determine rough prioritization of bugs (1 day)
- Set the date for the bugfest (1 day)

How does it work?

- Analyze, correct, and test the bugs (1-2 days)
 - Bring donuts and coffee
 - Order pizza
 - Fix bugs
 - Ring bell!



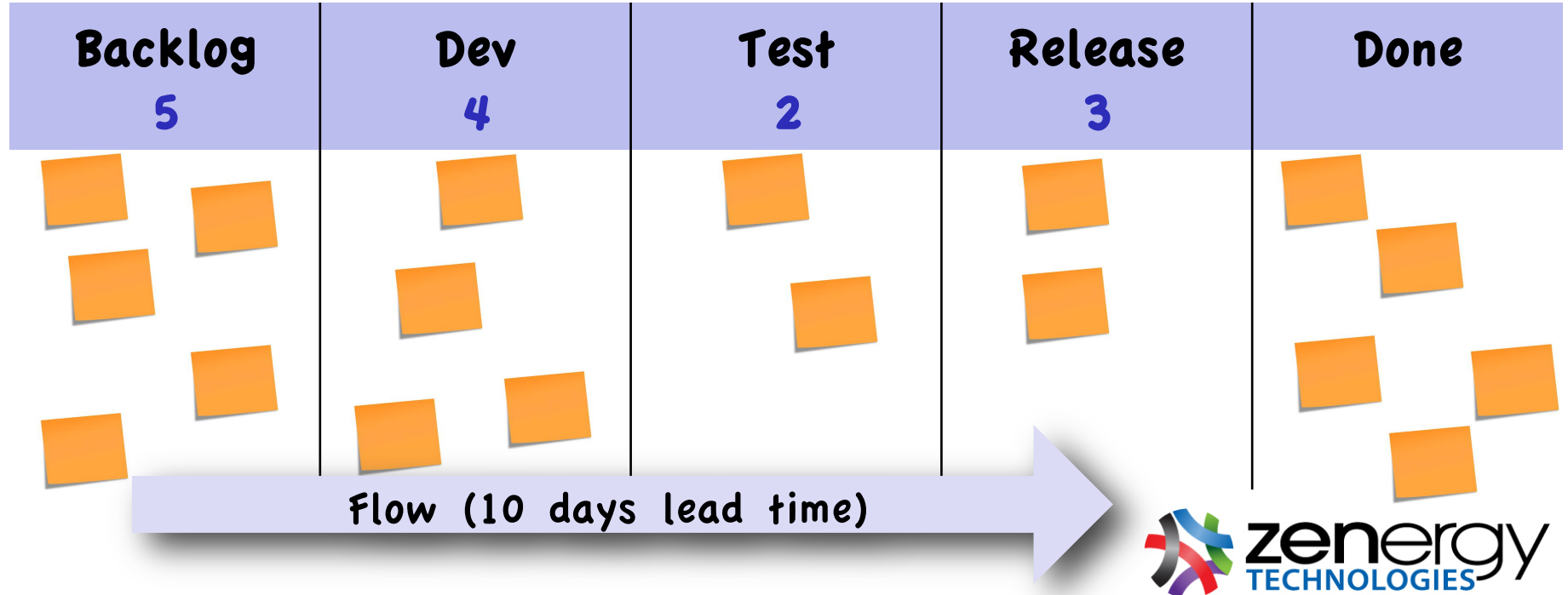
Kanban Primer

- Originally a scheduling system used in manufacturing processes developed by Taiichi Ohno at Toyota in 1953
- Introduced in 2004 by David Anderson for use in software development



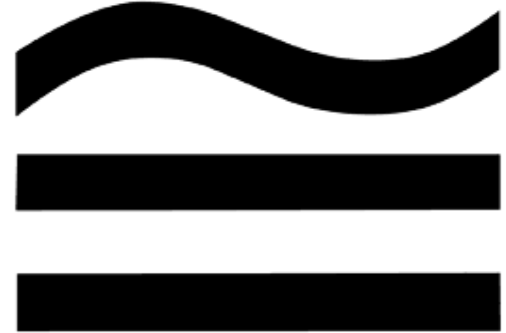
Kanban Principles

- Visualize the workflow
- Limit WIP (work in progress)
- Measure and improve the flow



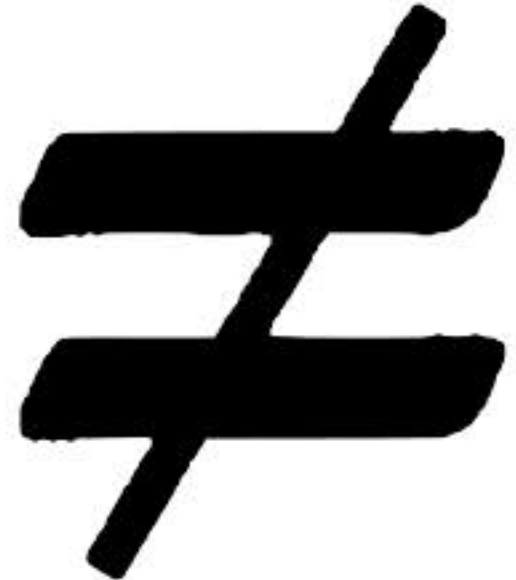
Kanban Concepts

- Similar to Scrum
 - Release software early and often
 - Utilize self-organized, collaborative teams
 - Work is “pulled” through the system
 - WIP is limited
 - Transparent progress and process improvement
 - Regularly reflect on ways to become more effective



Kanban Concepts

- Different from Scrum
 - No prescribed roles vs. SM, PO, TM
 - Allow changes at any time vs. no changes mid-sprint
 - Continuous deliver vs. time-boxed sprints
 - Single piece workflow vs. batch workflow
 - Track cycle time vs. velocity



Is a Kanban Bugfest right for you?

- Is your team open to trying new ideas?
- Do you have an existing log of known production bugs?
- Do the existing bugs limit your ability to support, enhance, or improve your application?
- Has your team been focused on new functionality/features and using work arounds for issues discovered in production?
- Are you currently operating in an agile development environment or moving towards agile?



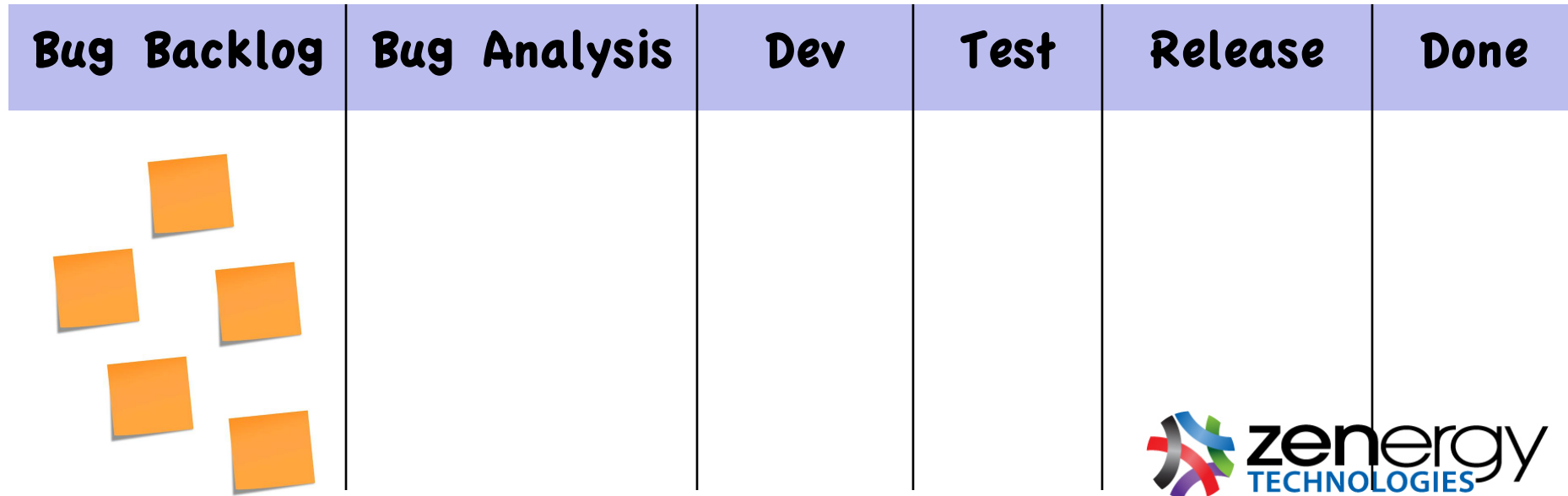
Bugfest with Kanban

- Not pure Kanban; usually done in conjunction with other development methodologies
- If using Scrum perform Bugfest during 1 sprint/iteration
- Determine workflow for Bugfest Kanban board

Bug Backlog	Bug Analysis	Dev	Test	Release	Done

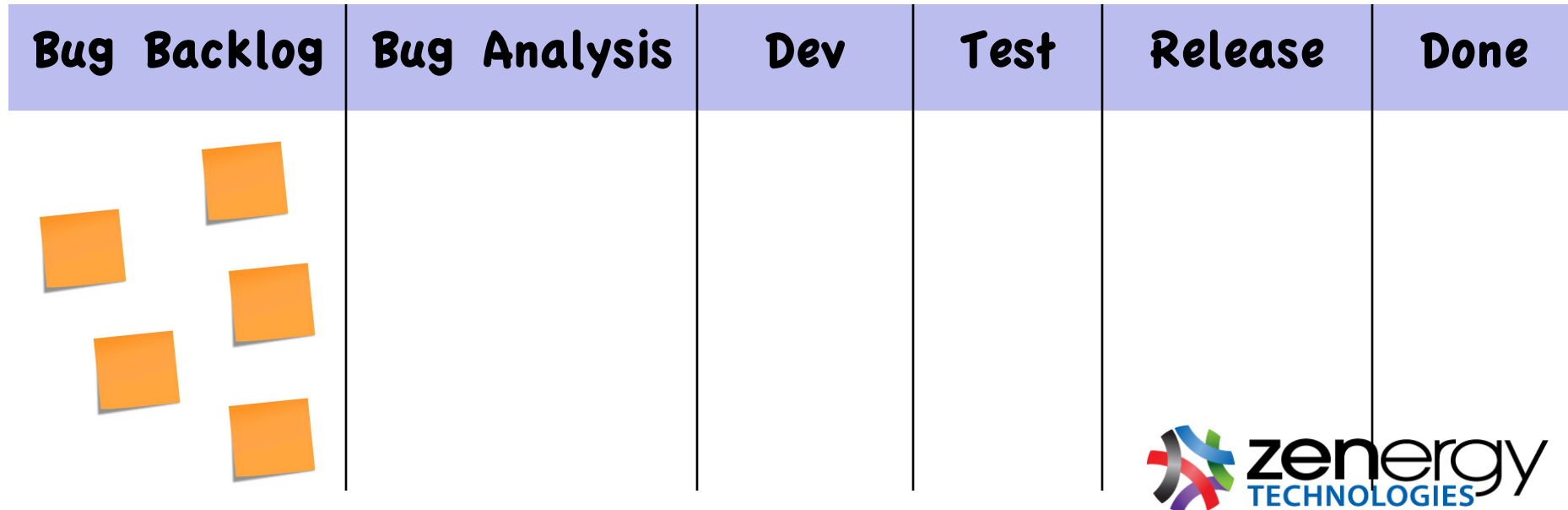
Bugfests with Kanban

- Sprint planning consists of identifying old bugs for the bugfest sprint backlog
- Bugs go on the “backlog” column
- Have “stakeholders” prioritize bugs on the backlog



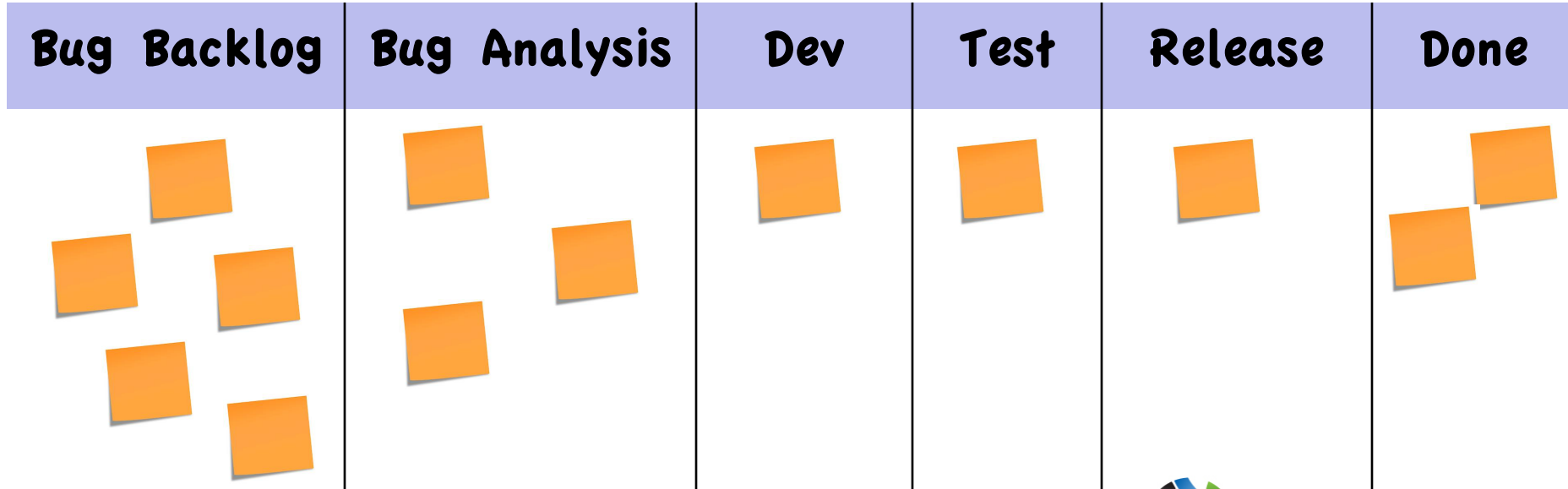
Bugfests with Kanban

- Pull bugs into analysis to determine
 - Is the bug still a problem?
 - How can it be fixed?
- Fix, test, and release the code correction



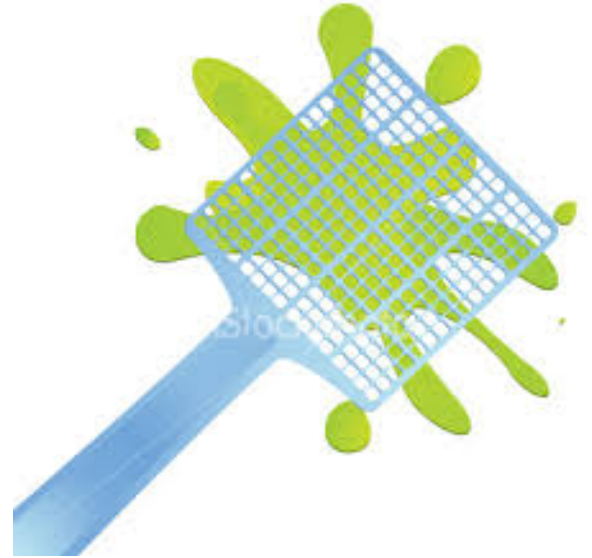
Bugfests with Kanban

- Complete as many bug fixes as possible during the sprint
- Release based on your normal release plan/schedule



Final Thoughts

- Some organizations find it necessary to run a couple of bugfests to clear out the backlog of issues sufficiently
- We have seen organizations use this technique and then create a whole support team which uses this concept
- Have fun squashing bugs!



Questions?

- Final questions or discussion?

Thank you!



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