

Use Visual Studio to Scale Agile in Your Enterprise

Richard Hundhausen
Consultant/Trainer
Accentient



About Me

- From Boise, Idaho, USA
- President of Accentient
- Microsoft Regional Director
- Microsoft MVP (Visual Studio ALM)
- Professional Scrum Developer
- Professional Scrum Trainer
- Co-creator of the Nexus
- richard@accentient.com

 @rhundhausen



First, do you *need* to scale?

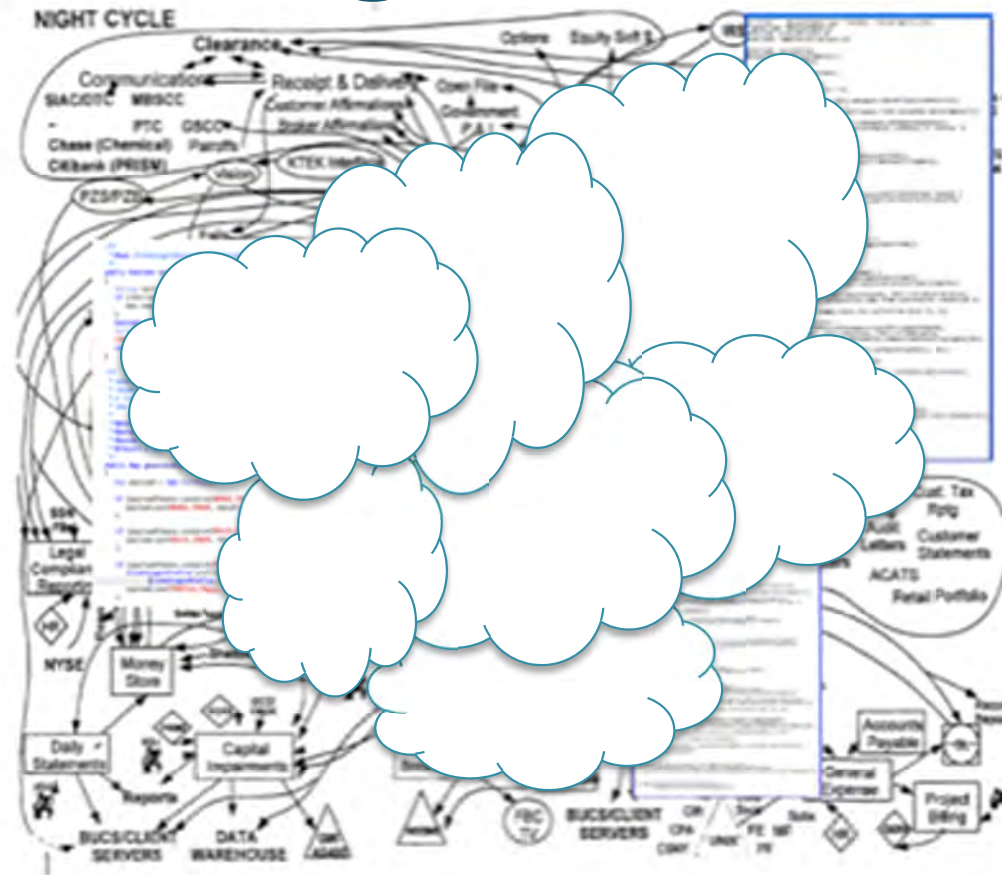
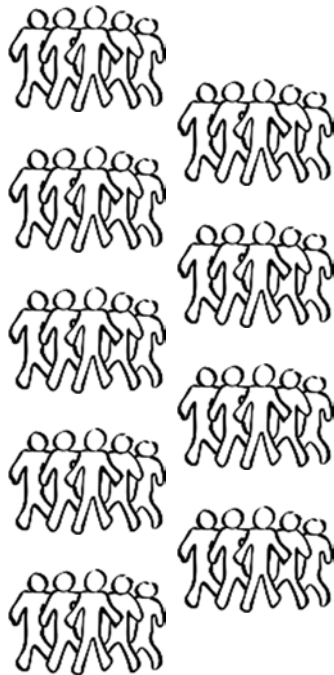
Organizations Want to Scale

- They see great results with small initiatives and want similar benefits from larger initiatives
- They are looking for a straightforward approach that builds on their current knowledge and skills

[illegible]



Nine Teams Doing Work



Scaled Agile Development is ...

- Multiple teams working on a single product
- Ideally with ...
 - A single Product Backlog
 - A single Product Owner
 - Cross-functional “feature” teams
 - Teams on the same cadence

Scaled Agile Development is not ...

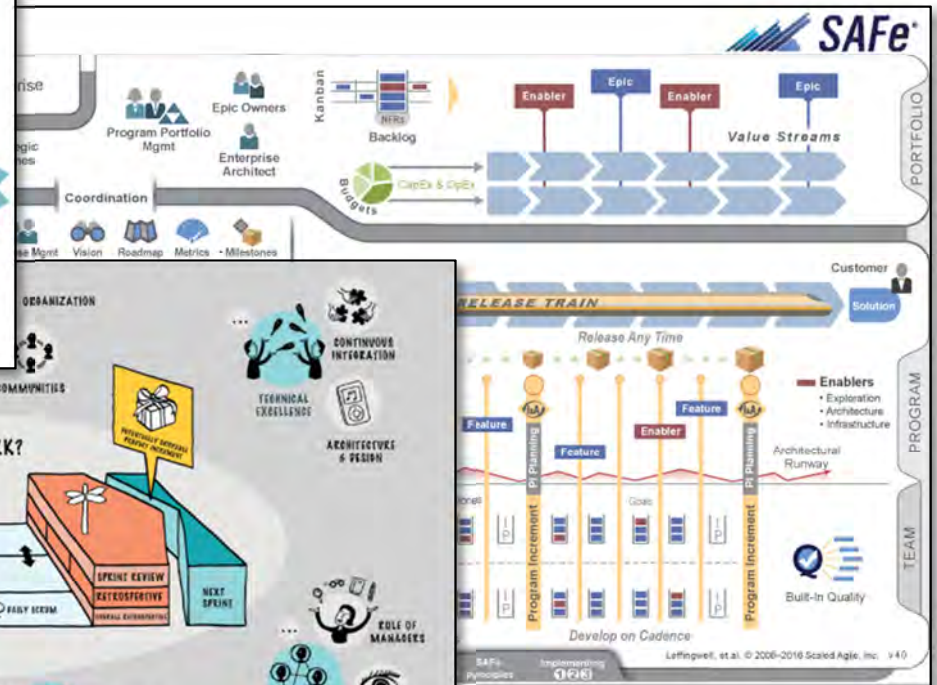
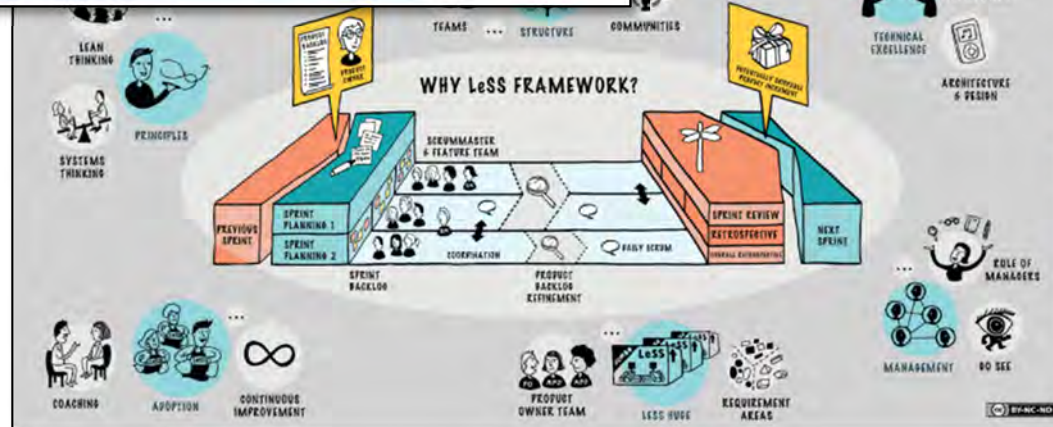
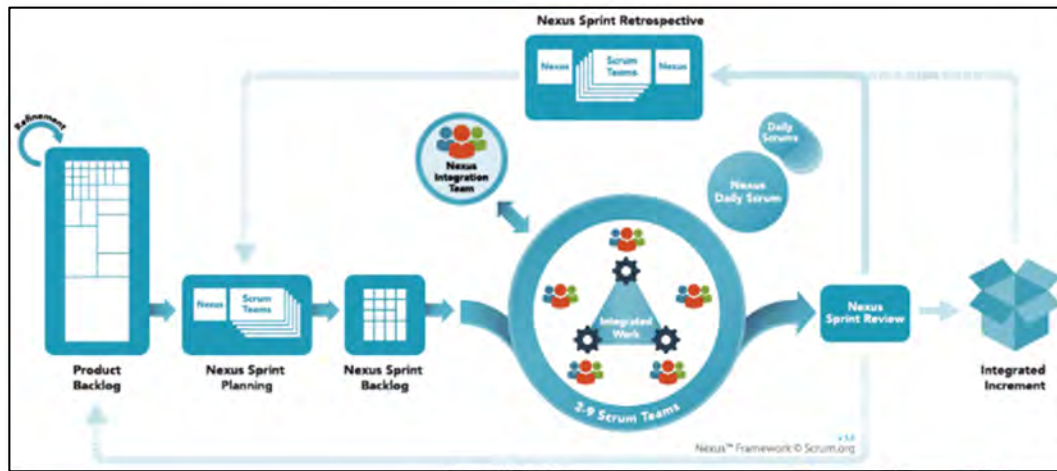
- Organizational transformation
 - “My organization wants to be more agile”
- Spinning up more agile teams
 - “IT is using Scrum so we should try it in our group”
- Adding more people
 - “That team is always behind, add more resources”

Ironically ...

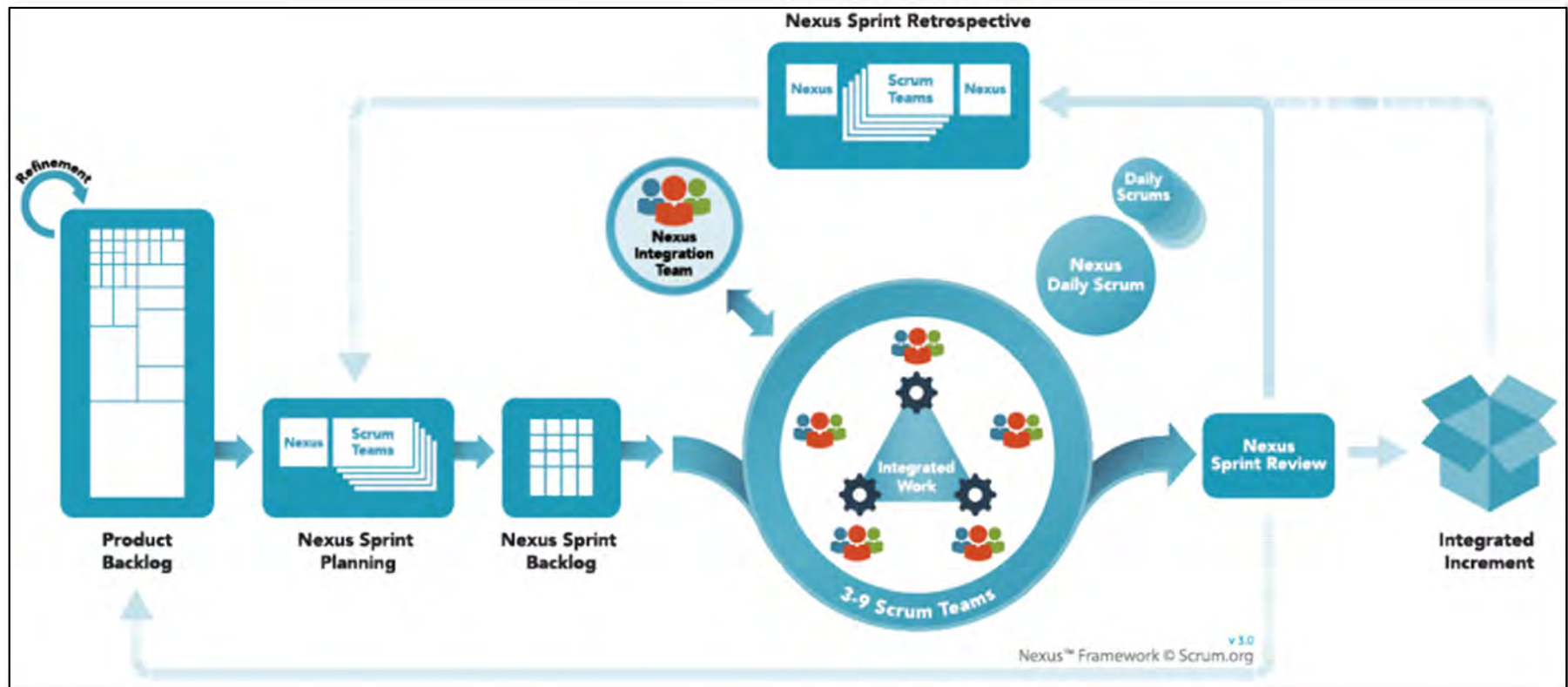
- It might be that you can do more with less
 - Removing teams
 - Removing people
 - Removing management
- Get a good Scrum Master or coach!

**Next, do you have a *framework*?
(or at least some proven
experiments)**

Nexus, LeSS, SAFe, SoS, RYO



Scaled Professional Scrum (The “Nexus”)

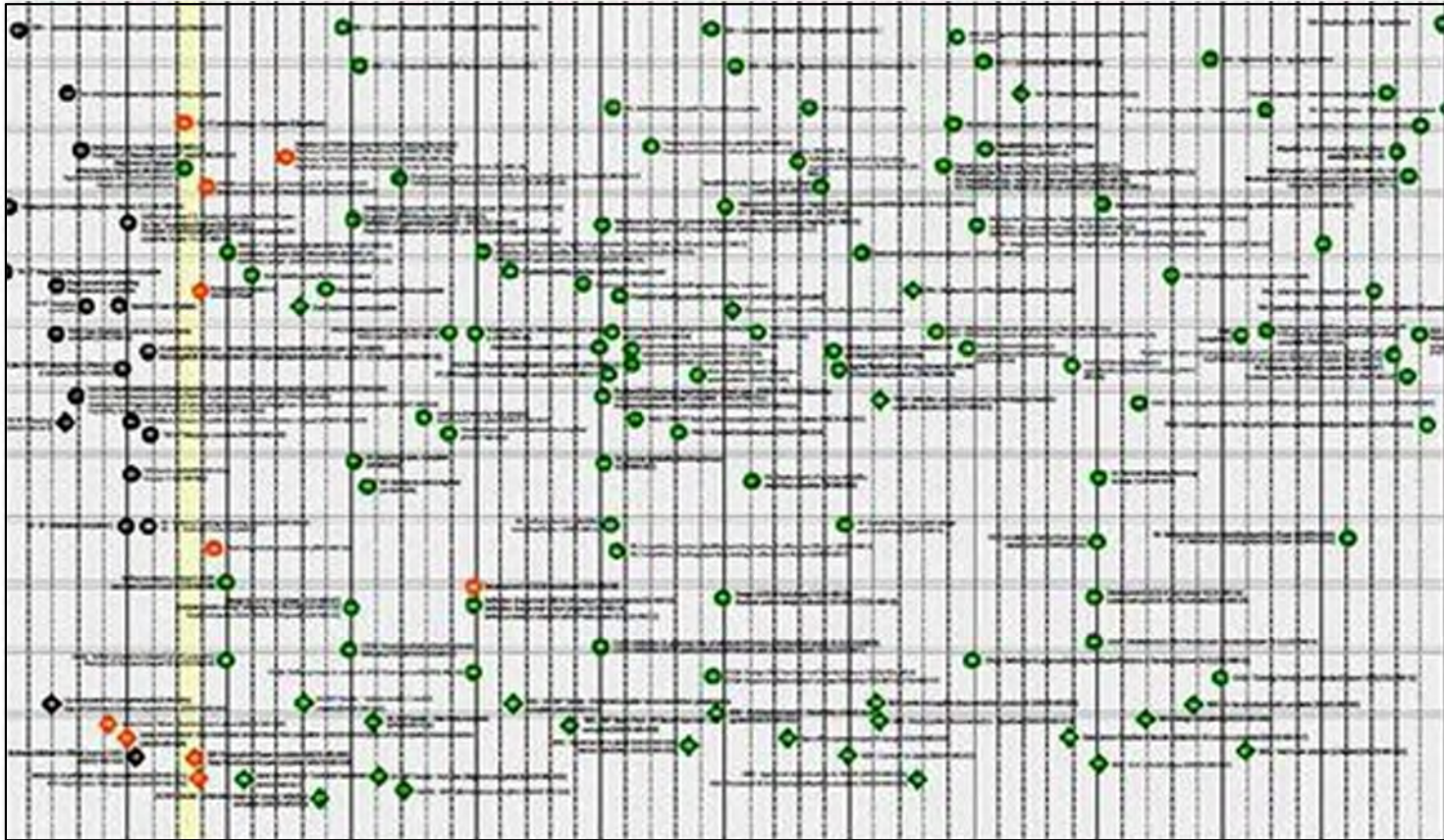


All Process Templates Support Scaling

- VSTS and TFS support scaled software development
 - Maybe not every details of a specific framework
- All process templates support scaling
 - Multiple and hierarchical product backlogs
 - Additional metadata fields on requirement and bug work item types

Do you have a *product*?

Or just a bunch of projects ...



Product != Project

- It can be hard to identify the product behind all of your projects (and Visual Studio projects)
- Try asking ...
 - Your customers, users, stakeholders
 - Your codebase
 - Your UI

Start as Broadly as Possible

- Is your organization the product?
- Are multiple value streams the product?
- Is a single value stream the product?
- Is there an existing product manager/owner?
- Is there a cool acronym? (e.g. WOPR)

Example: Where's the Product?

The screenshot displays the Microsoft SQL Server Enterprise Manager interface. On the left, the 'Object Explorer' shows the 'Northwind' database structure, including tables like 'Employees', 'Orders', 'Products', and 'Suppliers'. The central pane shows a SQL query executed against the 'Northwind' database:

```
SELECT Employees.EmployeeID, Employees.FirstName, Employees.LastName, Orders.OrderID, Orders.OrderDate
FROM Employees JOIN Orders ON (Employees.EmployeeID = Orders.EmployeeID)
WHERE Orders.orderdate > '5/5/1998'
ORDER BY Orders.OrderDate
```

The 'Results' pane below the query shows the output of the query, which is a table with 5 columns: EmployeeID, FirstName, LastName, OrderID, and OrderDate. The results are as follows:

	EmployeeID	FirstName	LastName	OrderID	OrderDate
1	7	Robert	King	11074	1998-05-06 00:00:00.000
2	8	Laura	Callahan	11075	1998-05-06 00:00:00.000
3	4	Margaret	Peacock	11076	1998-05-06 00:00:00.000
4	1	Nancy	Davolio	11077	1998-05-06 00:00:00.000

The 'Messages' pane at the bottom shows the status of the query execution: 'Query executed successfully.' and 'The thread 'ACER [63]' (0x76c) has exited with code 0 (0x0).'.

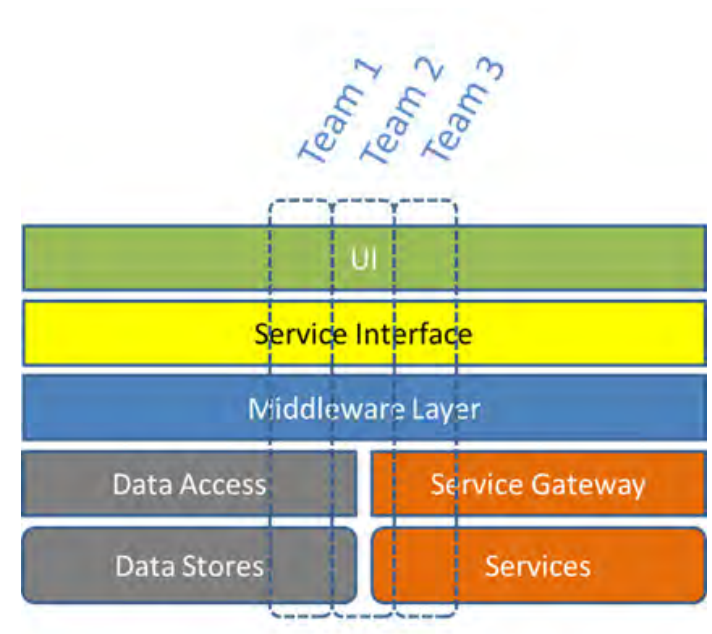
Product Areas

- In a large software development effort, the product may have many perspectives:
 - Platforms
 - Technologies
 - Geographical location
 - Specialties
 - Layers
 - Components
 - Features

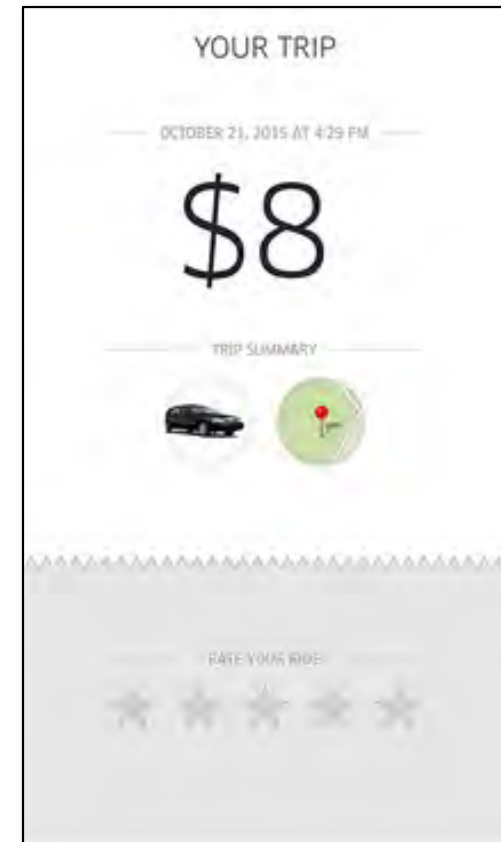
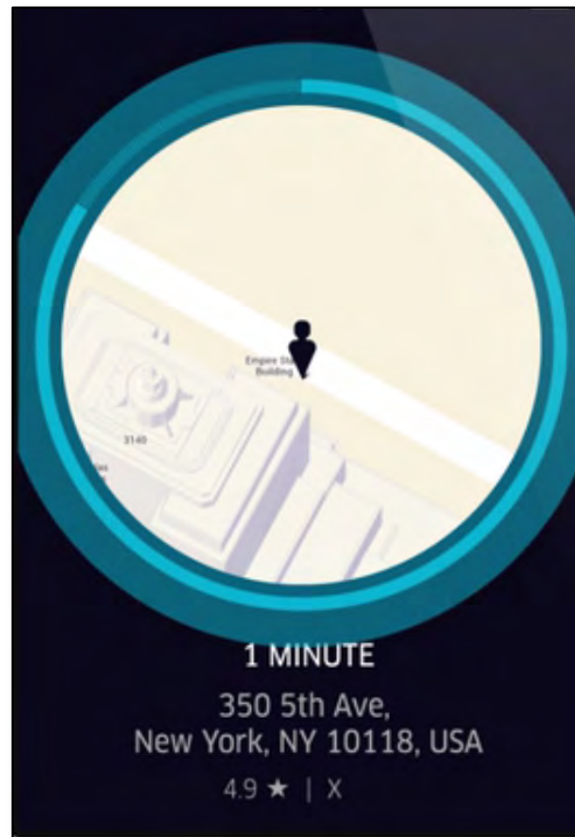
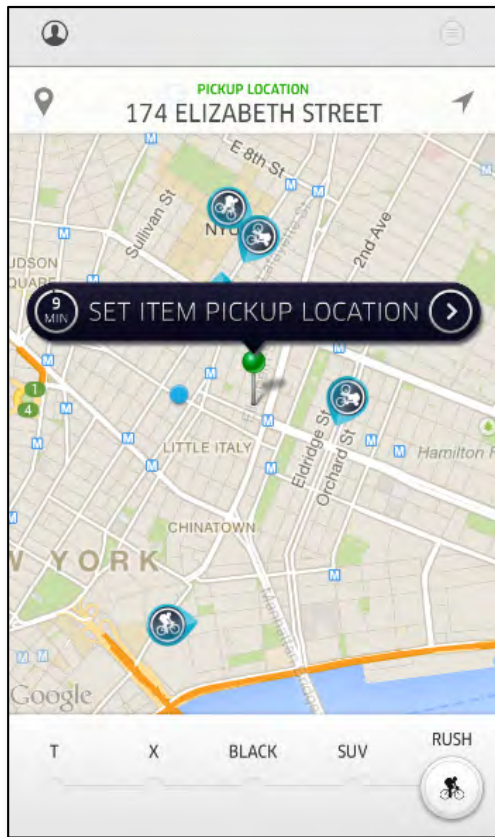
Do you have *teams*?

Strive for Feature Teams

- Each team has all skills to turn Product Backlog items into increments of working software
- Vertical slicing; work is divided by end-user functionality
- Work is integrated continuously within each Sprint



Consider Persona Teams



Multiple Teams in VSTS/TFS

- Create the teams
- Create a respective area path for each team
 - On-prem TFS can use a custom Team field and a global list instead <http://bit.ly/20Xz0CJ>
- Add team members

<http://bit.ly/1Q55dAh>

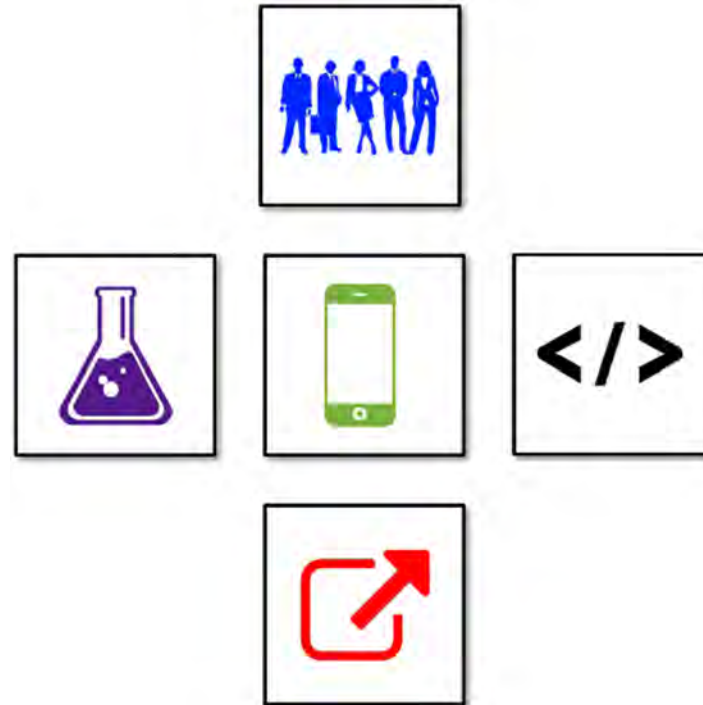
Are you *refining* the backlog?

Product Backlog Refinement

- Should be done regularly
- Should be done by the entire team
- Helps the Product Owner know the “cost”
- Helps identify dependencies early

Watch Out For Dependencies

- People
- Domain
- Technology
- Software
- External





**DONE IS
BETTER
THAN
PERFECT**

Done () ;

(thank you)

richard@accentient.com | @rhundhausen