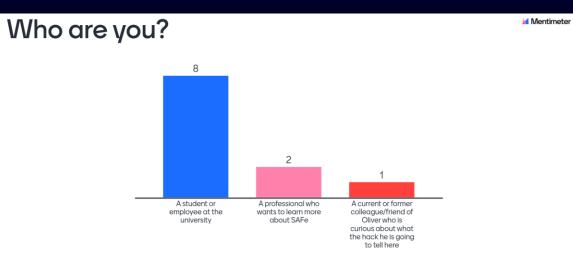
# Saling Agile with SAFe®

How to work agile in an enterprise environment AMOS course – January 2022

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## Welcome to today's talk.



## What do you hope to learn more about in today's talk?

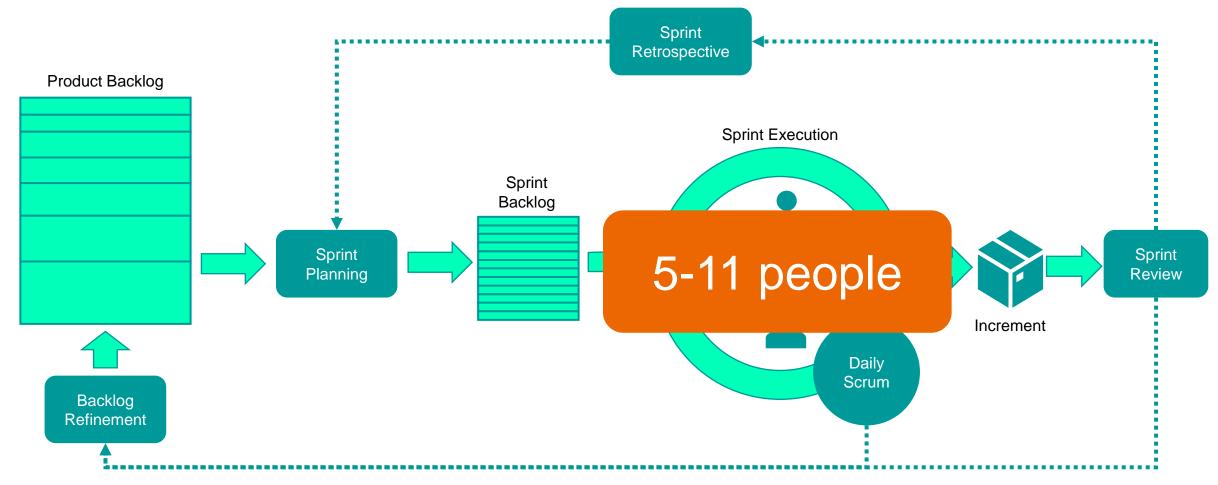


🕍 Mentimeter

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## SCRUM is widely used in the industry for agile teams



Sources and further reads:

https://www.scaledagileframework.com/agile-teams/

<u>https://scrumguides.org/scrum-guide.html</u>

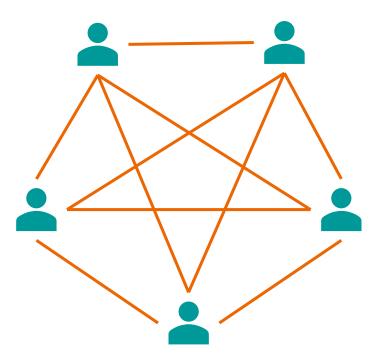
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## Smaller Team Size Fosters Trust: The rule of 5, 15 & 150

Around **five** is the limit of people with whom we can hold close personal relationship and working memory

Relationships to maintain:



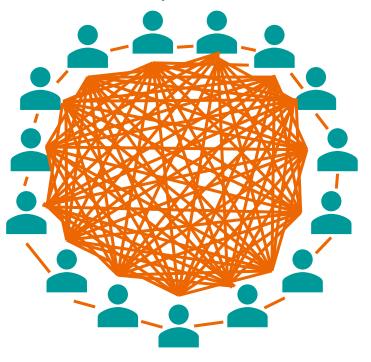
- <u>https://www.cognitive-edge.com/logn-0-093-3-389-logcr-1-r20-764-t3410-35-p0-001/</u>
- Team topologies, Matthew Skelton and Manuel Pais, p. 33 et seq.
- <u>https://agilepainrelief.com/blog/scrum-team-size.html</u>



## Smaller Team Size Fosters Trust: The rule of 5, 15 & 150



## Relationships to maintain:



- <u>https://www.cognitive-edge.com/logn-0-093-3-389-logcr-1-r20-764-t3410-35-p0-001/</u>
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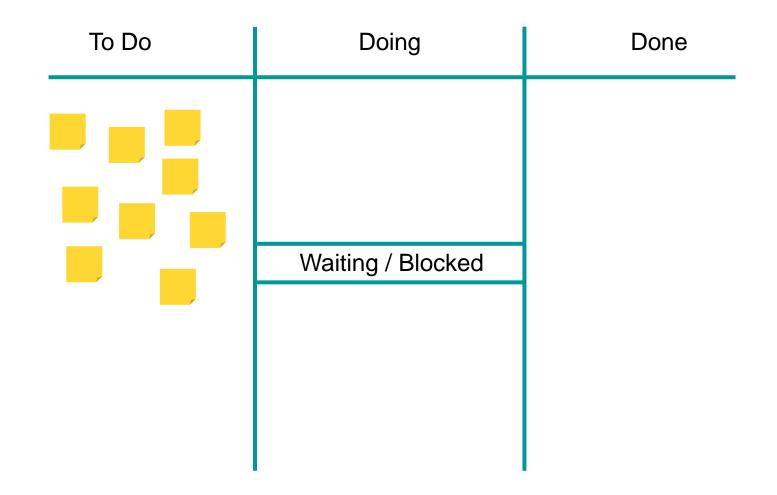
## Smaller Team Size Fosters Trust: The rule of 5, 15 & 150



- <u>https://www.cognitive-edge.com/logn-0-093-3-389-logcr-1-r20-764-t3410-35-p0-001/</u>
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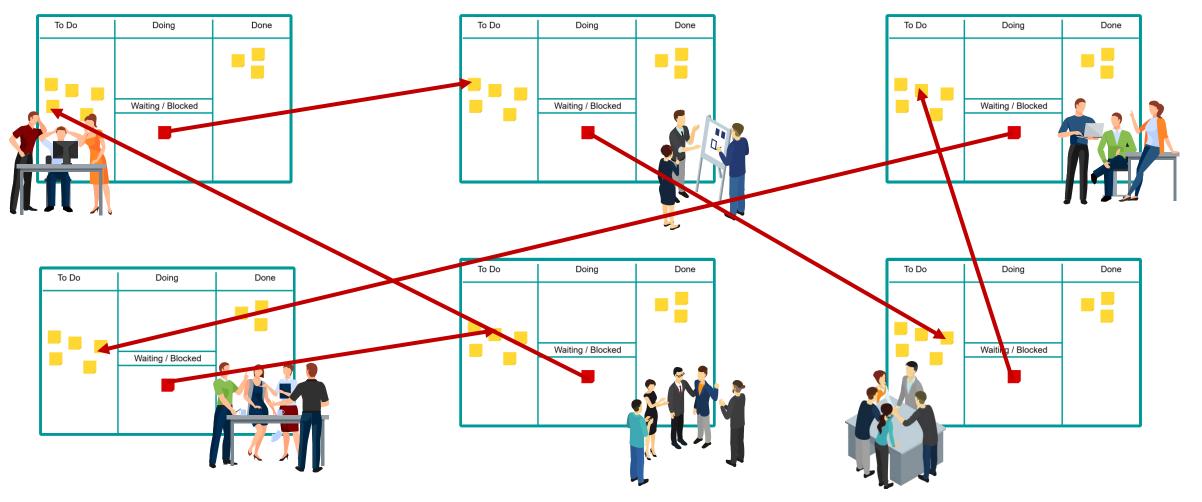


## Inter-team dependencies slow down value delivery



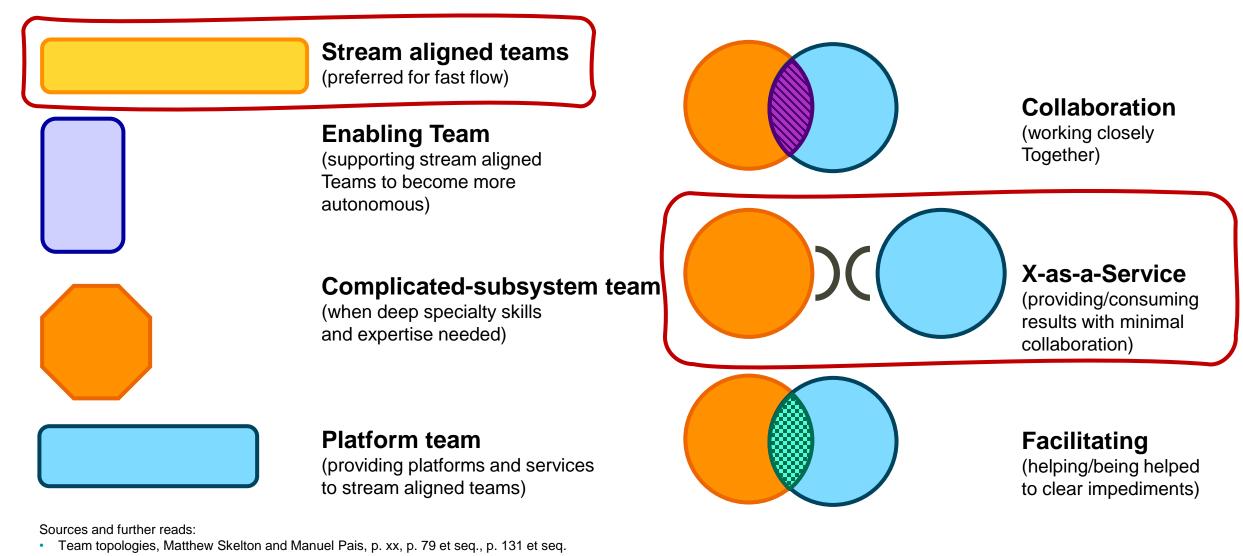


## Inter-team dependencies slow down value delivery



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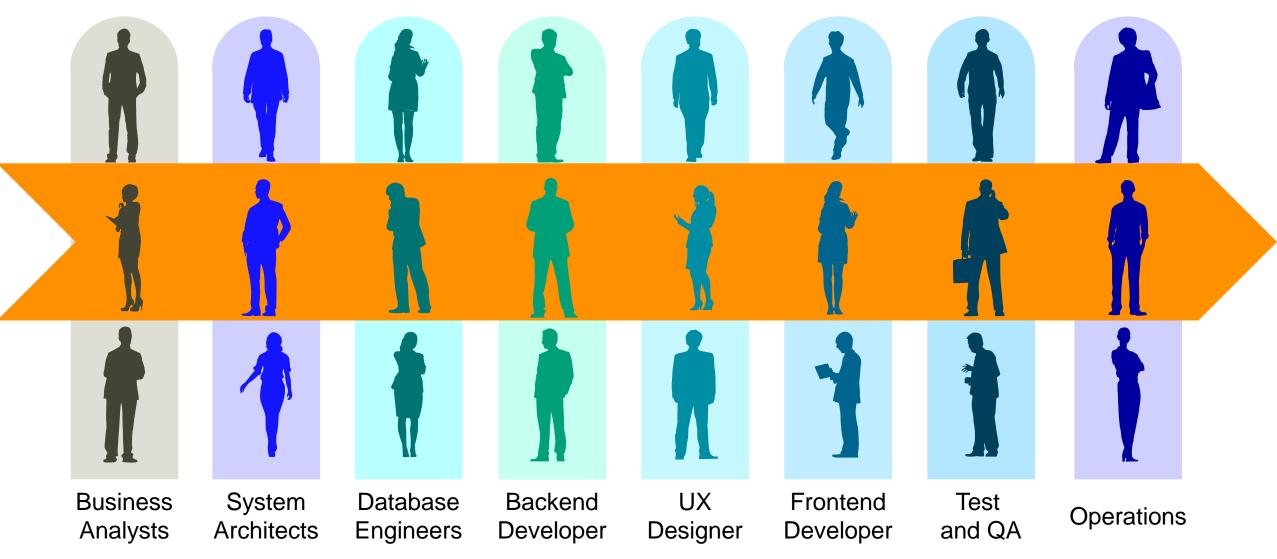
## **Team Topologies and interaction modes**



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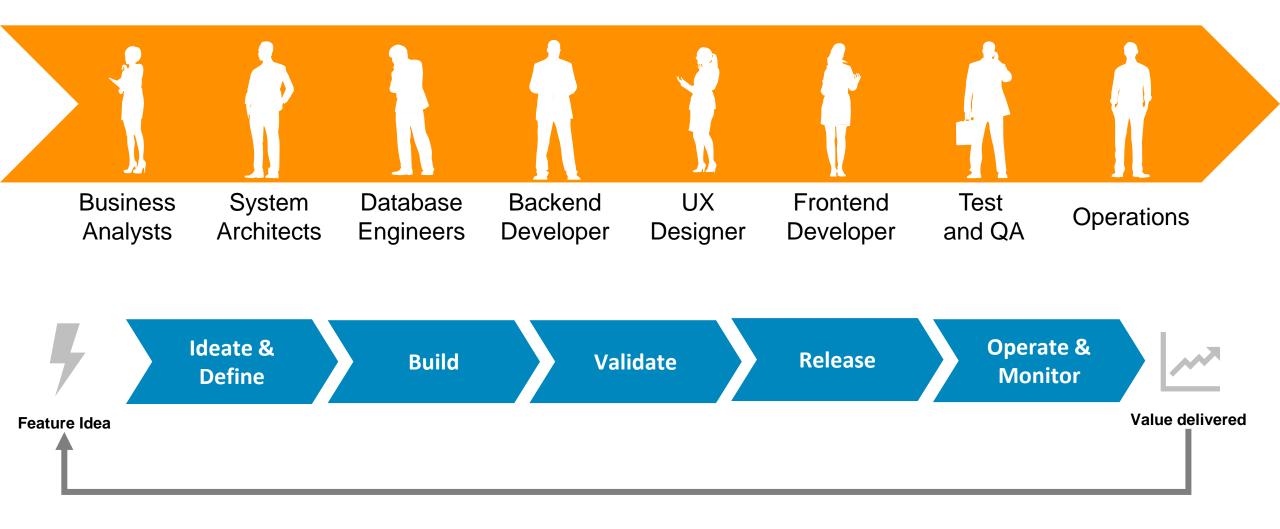
- <u>https://www.scaledagileframework.com/organizing-agile-teams-and-arts-team-topologies-at-scale/</u>
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# Form "Stream-aligned teams" which a cross functional and have an end-to-end responsibility

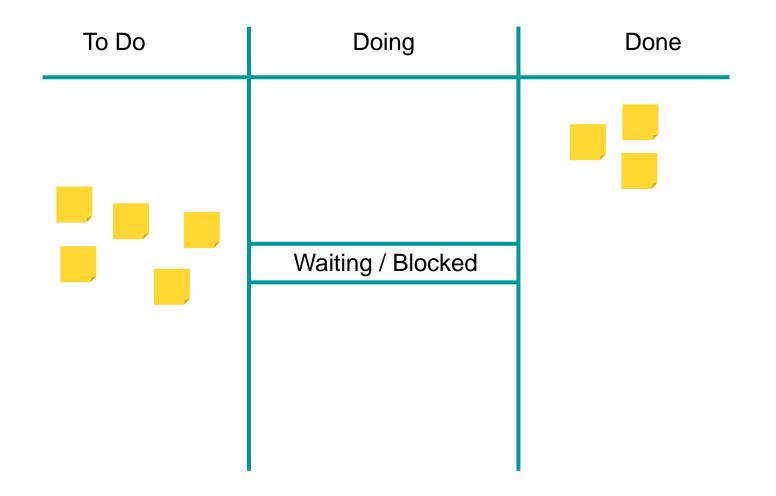


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## Form "Stream-aligned teams" which a cross functional and have an end-to-end responsibility along their development value stream

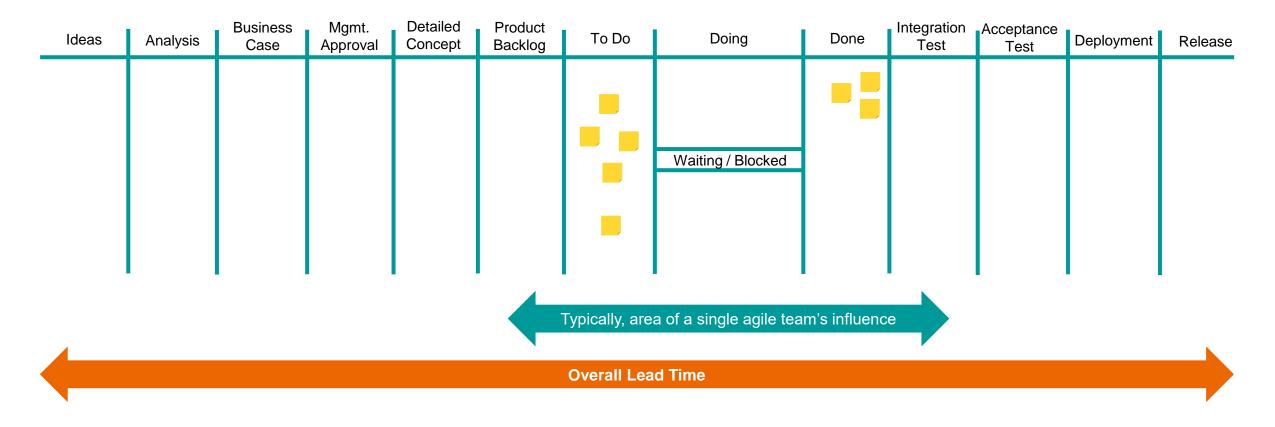


## **Consider the End-2-End Development Value Stream**



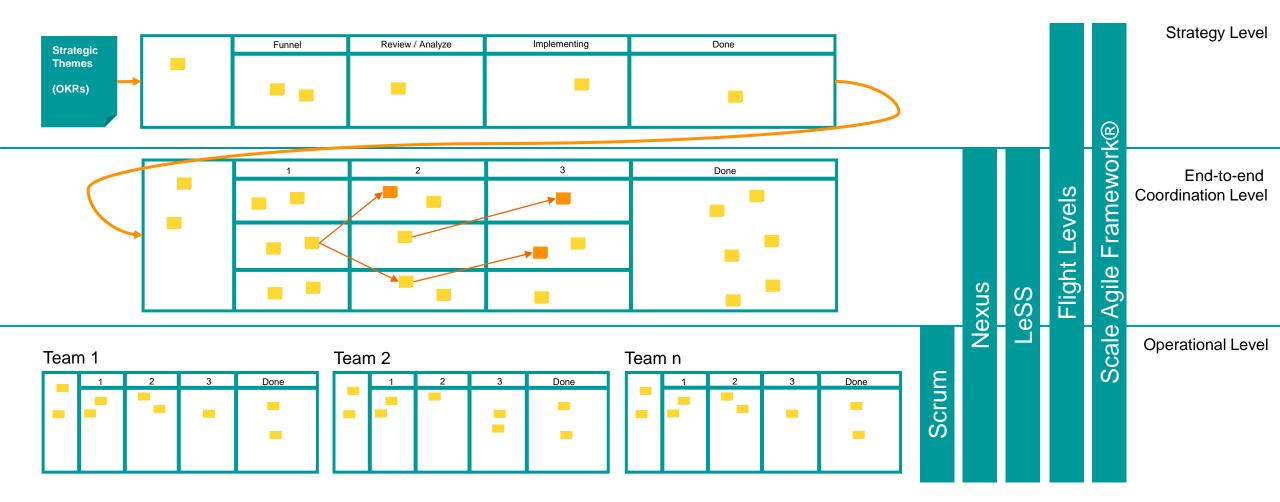


## **Consider the End-2-End Development Value Stream**





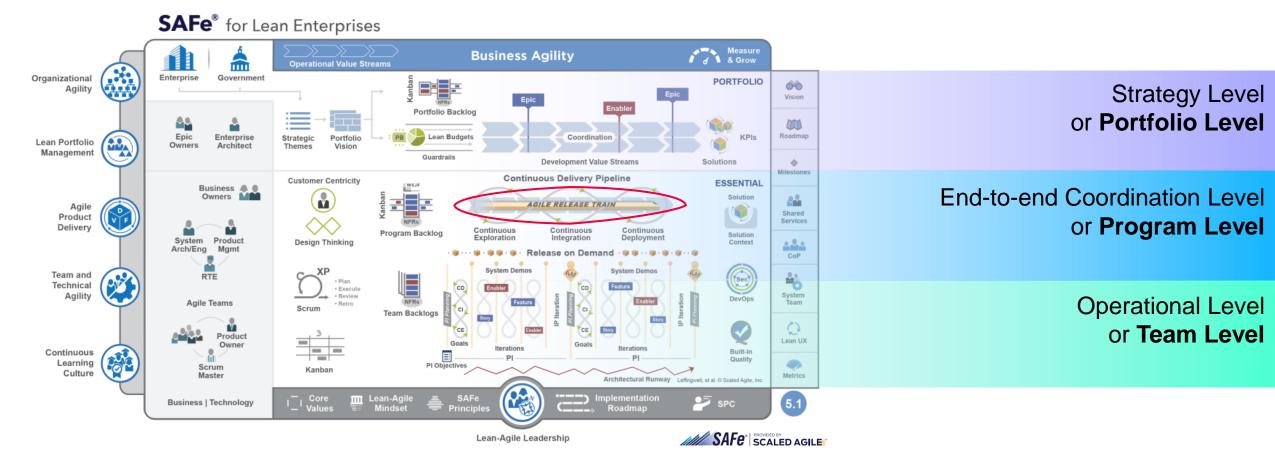
## **Consider the End-2-End Development Value Stream and manage Inter Team Dependencies**



- Rethink Agile Why agile Teams have nothing to do with Business Agility, Klaus Leopold
- https://www.scaledagileframework.com/



# The Scaled Agile Framework® has all these layers combined with a set of well proven tools and techniques

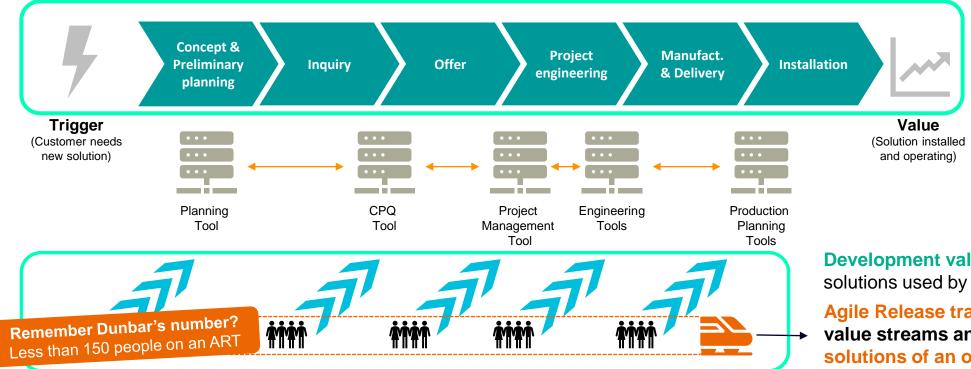


Sources and further reads:

<u>https://www.scaledagileframework.com/</u>



## Agile Release Trains (ARTs): Organized around business value



Operational Value Streams describe how value flows through

our organization to generate value for us and our end customers.

**Development value streams** develop the business solutions used by operational value streams

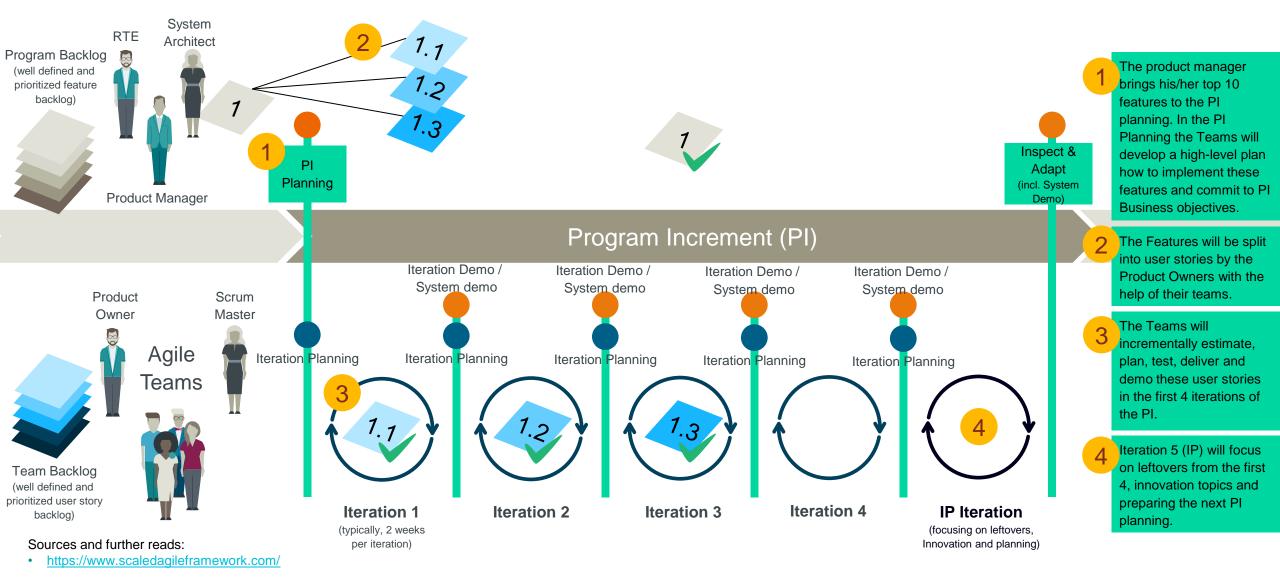
Agile Release trains group dependent development value streams and ensure interoperability between solutions of an operational value stream

An Agile Release Train (ART) is a long-lived team of Agile teams, which incrementally develops, delivers, and operates one or more solutions along an end-to-end operational value stream.





## Agile Release Trains (ARTs): How they deliver value



## Scrum Roles: Roles of the Scaled Agile Framework® (SAFe®) Team level

|   | R  | <u>S</u>  |
|---|--|---|
| Team  | Scrum Master   | Product Owner<br>Drives the Iteration   |
| <ul> <li>Create and refine<br/>user stories and<br/>acceptance criteria</li> <li>Define, build, test and<br/>deliver stories that are<br/>"done"</li> <li>Develop and commit<br/>to PI and iteration<br/>(sprint) plans</li> <li>5-11 members</li> <li>Owns estimation</li> </ul> | <ul> <li>Coaches the agile<br/>team and facilitates<br/>team meetings</li> <li>Removes<br/>impediments and<br/>protects team from<br/>outside influence</li> </ul> | <ul> <li>Owns and prioritizes<br/>the team backlog</li> <li>Defines and accepts<br/>stories</li> <li>Acts as the customer<br/>for developer<br/>questions</li> <li>Works with the<br/>product management<br/>to plan program<br/>increments (PI)</li> </ul> |

## Roles of the Scaled Agile Framework® (SAFe®) Program level

| R  | <u>S</u>   | R   | RR  |
|--|--|---|---|
| System Architect   | Release Train Engineer<br>(RTE)  | <b>Product Manager</b><br>Drives the PI and the Product   | <b>Business Owners</b>  |
| <ul> <li>Provides architectural guidance and technical enablement to the teams on the train</li> <li>Defines the architectural runway of the overall system</li> </ul> | <ul> <li>Acts as the chief<br/>Scrum Master for the<br/>train</li> <li>Facilitates optimizing<br/>the flow of value<br/>through the ART</li> <li>Manages<br/>dependencies</li> <li>Risk ROAMing</li> </ul> | <ul> <li>Owns and prioritizes<br/>the program backlog</li> <li>Defines features, PIs<br/>and releases</li> <li>Owns the vision,<br/>roadmap and ROI of<br/>the product</li> <li>Collaborates on<br/>enablers</li> </ul> | <ul> <li>Key stakeholders on<br/>the agile release train</li> <li>Typically steering<br/>committee members in<br/>traditional setups</li> <li>Subject matter experts</li> </ul> |

## SAFe® as a dual operating system

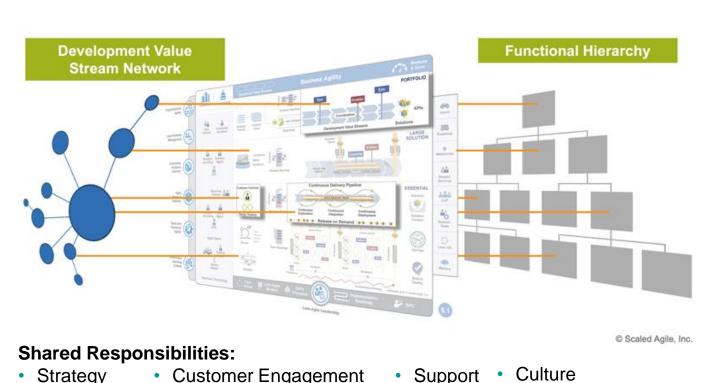


#### **Responsibilities:**

 Product research, development, delivery, support and evolution

## Purpose: Speed of Innovation

- Self organizing
- Constantly evolving
- Fast and furious
- Innovative / Experimental
- Fail fast
- Short-Term memory
- Exploit variability





### **Responsibilities:**

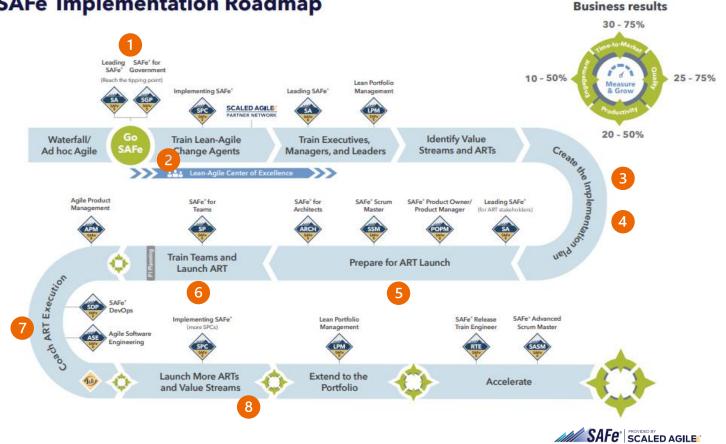
- Revenues & Costs
- Finance & Accounting
- Sales & Marketing
- Legal & Governance
- People & careers
- Production of goods and services
- Facilities

## Purpose: Efficiency and sustainability

- Standing organization
- Evolves as needed
- Steady
- Predictable/Reliable
- Don't fail
- Long-term memory
- Reduce variability

Source: https://www.scaledagileframework.com/advanced-topic-balancing-the-dual-operating-system/

## The SAFe® Implementation Roadmap



## SAFe<sup>®</sup> Implementation Roadmap

Sources and further reads:

- https://www.scaledagileframework.com/implementation-roadmap/
- Our Iceberg is Melting, John Kotter

## **Based on Kotter's Eight Step Process of Successful Change**

- 1. Create the Sense of Urgency
- 2. Pull Together the Guiding Team
- 3. Develop a Change Vision and Strategy
- 4. Communicate for Understanding and Buy-In
- 5. Empower other to act
- Produce Short-Term Wins 6

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- 7. Don't let up
- 8. Create a New Culture

## Why SAFe®? Pros & Cons

## Cons

- Rather prescriptive
- Focus on managing dependencies instead of removing them
- Introduces new roles and causes overhead to a certain degree
- Top heavy which might result in a lack of self management and waterfall-minded approaches
- Might be overwhelming in the beginning and cause people to focus too much on processes and framework adherence instead of the actual change of their behavior

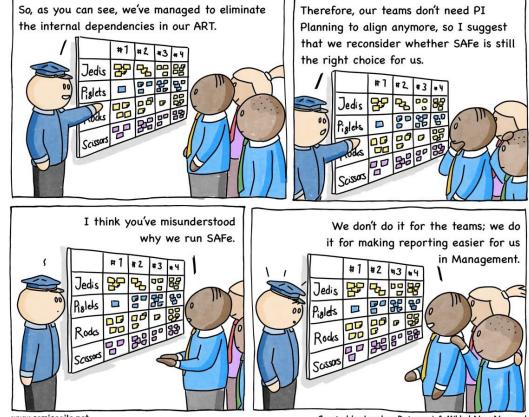
## Pros

- Rather prescriptive
- Widely spread and adapted in different markets
- Comprehensive role-based training and certification program
- Comprehensive set of tools and best practices from the world of lean and agile
- Goes beyond the team level and fosters business agility
- Fosters a common language and approach while still giving teams a certain degree of freedom

# Some tips for introducing SAFe®: Start with the why!

 Be clear on your motivation to introduce SAFe® and communicate it

## Comic Agilé



www.comicagile.net

Created by Luxshan Ratnaravi & Mikkel Noe-Nygaard

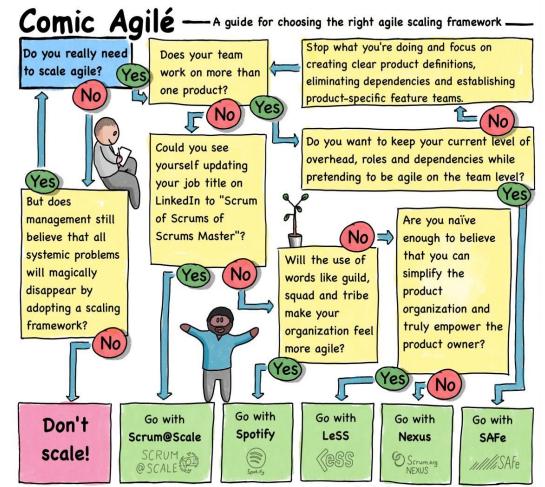
Sources and further reads:

<u>https://www.comicagile.net/comic/why-we-run-safe/</u>



## Some tips for introducing SAFe®: If it's over the top, don't do it!

 If SAFe® is over the top don't use it and look for other solutions (e.g., Team Topologies, Flight Levels, Nexus, LeSS or simply a Scrum of Scrums)



Created by Luxshan Ratnaravi & Mikkel Noe-Nygaard

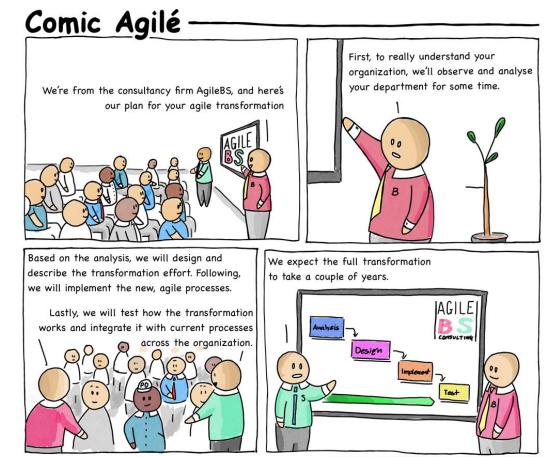
Sources and further reads:

https://www.comicagile.net/comic/guide-for-choosing-the-right-agile-scaling-framework/



## Some tips for introducing SAFe®: Take an agile implementation approach

 You cannot know the result of your transformation upfront, so where is the point in having a big upfront planning of it!



Created by Luxshan Ratnaravi & Mikkel Noe-Nygaard

Sources and further reads:

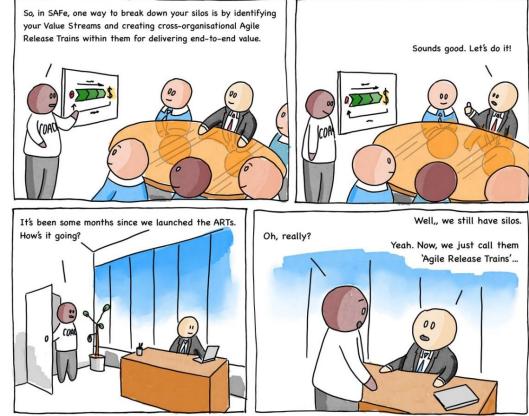
<u>https://www.comicagile.net/comic/the-agile-transformation-plan/</u>



## Some tips for introducing SAFe®: Identify your value streams!

 Identify your operational value streams before creating ARTs to avoid creating new Silos and dependencies in your organization

## Comic Agilé



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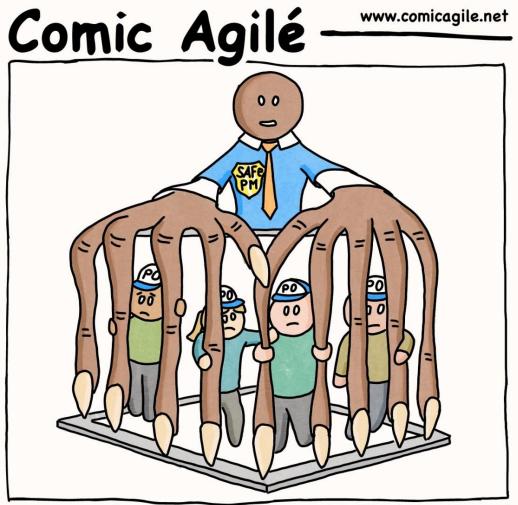
Sources and further reads:

https://www.comicagile.net/comic/silos/



# Some tips for introducing SAFe®: Start with the why!

 Be careful in just picking parts of the Framework unless you really know what to do: This might end in unwanted behaviors and results. (E.g., just implementing a Product Management on top of your Product Owners might limit empowerment of the POs without really gaining any benefits)



Created by Luxshan Ratnaravi & Mikkel Noe-Nygaard

Sources and further reads:

<u>https://www.comicagile.net/comic/agile-pm/</u>



## Some tips for introducing SAFe®: Form one guiding coalition!

 Form one guiding coalition which oversees and drives the transition. (Lean Agile Center of Excellence)



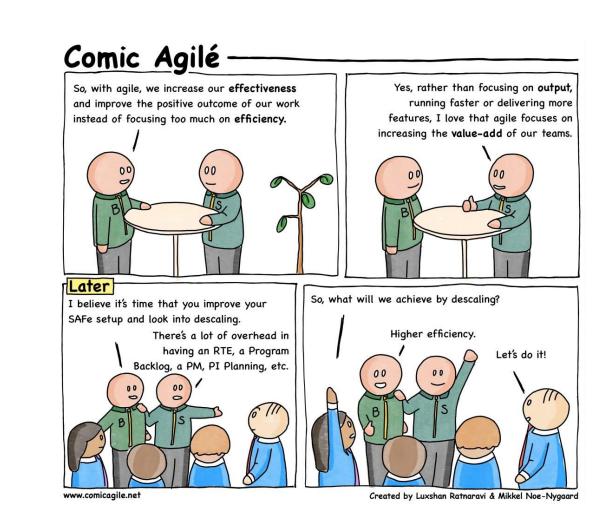
Created by Luxshan Ratnaravi & Mikkel Noe-Nygaard

Sources and further reads:

<u>https://www.comicagile.net/comic/lace/</u>

# Some tips for introducing SAFe®: SAFe® is not the holy grail!

 Relentless improvement might also mean moving away from SAFe® and descale once your organization reached a certain maturity and you eliminated enough dependencies.



Sources and further reads:

https://www.comicagile.net/comic/motivation-for-descaling/



# Thank you for your attention!

#### **Oliver Diller**

Agile Coach / Certified SAFe® 5 Program Consultant Smart Infrastructure - IT Excellence

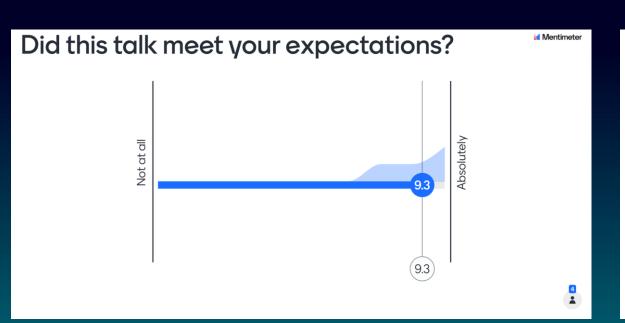
Mobile: +49 (173) 2505708 E-mail: <u>oliver.diller@siemens.com</u> LinkedIn: https://www.linkedin.com/in/oliver-diller/

Connect with me to learn more about our upcoming Agile Conference in March 2022

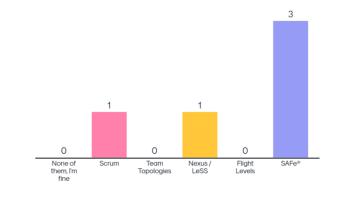




## How did you like the talk?



After having heard this talk which approaches/frameworks <sup>Mentimeter</sup> might you look into more deeply? (More answers possible)





# Questions and answers





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