

Thriving in the Digital Age with Business Agility

SAFe® Course – Attending this course gives learners access to the SAFe Agilist exam and related preparation materials.

SA SAFe^o 5

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Welcome to the course! Make the Most of Your Learning





Access the SAFe Community Platform

Manage your member profile, access videos and training resources, join Communities of Practice, and more.



Prepare Yourself

Access your learning plan featuring your digital workbook, study materials, and certification practice test



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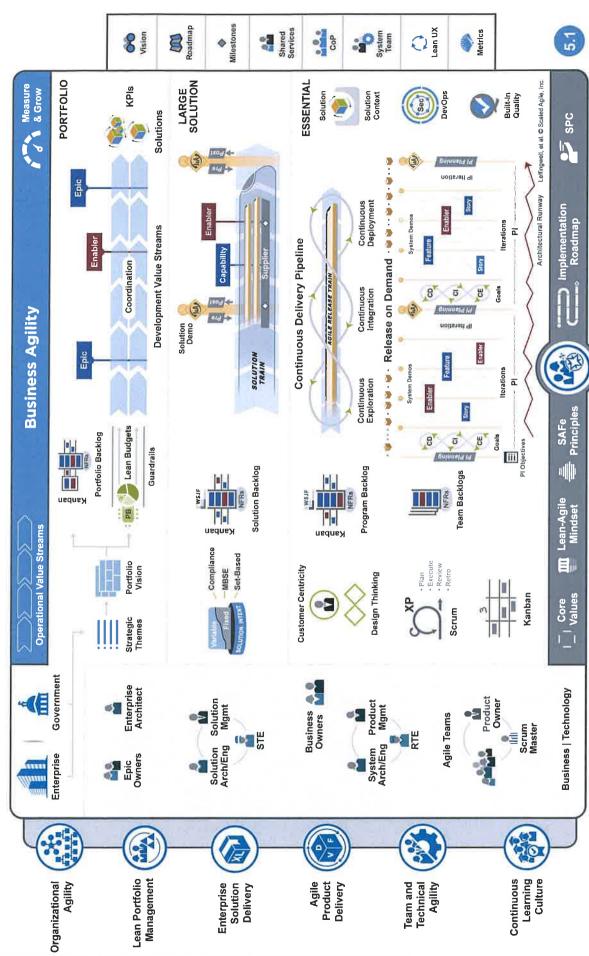
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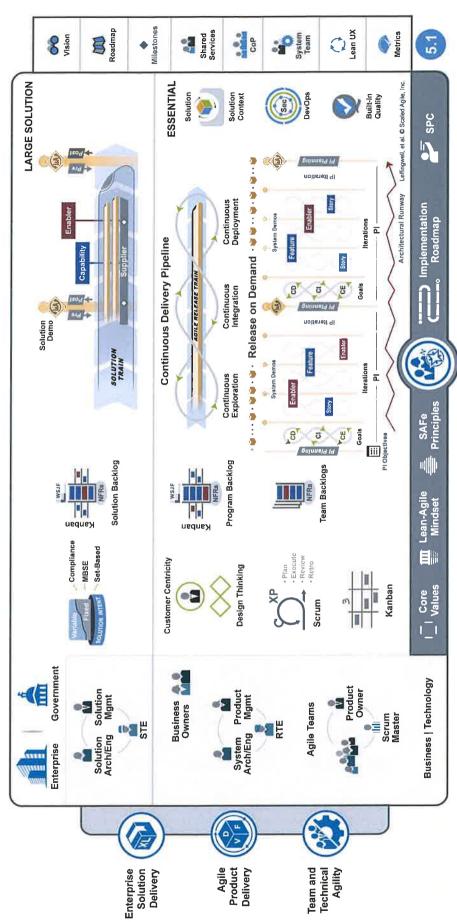
community.scaledagile.com



Lean-Agile Leadership

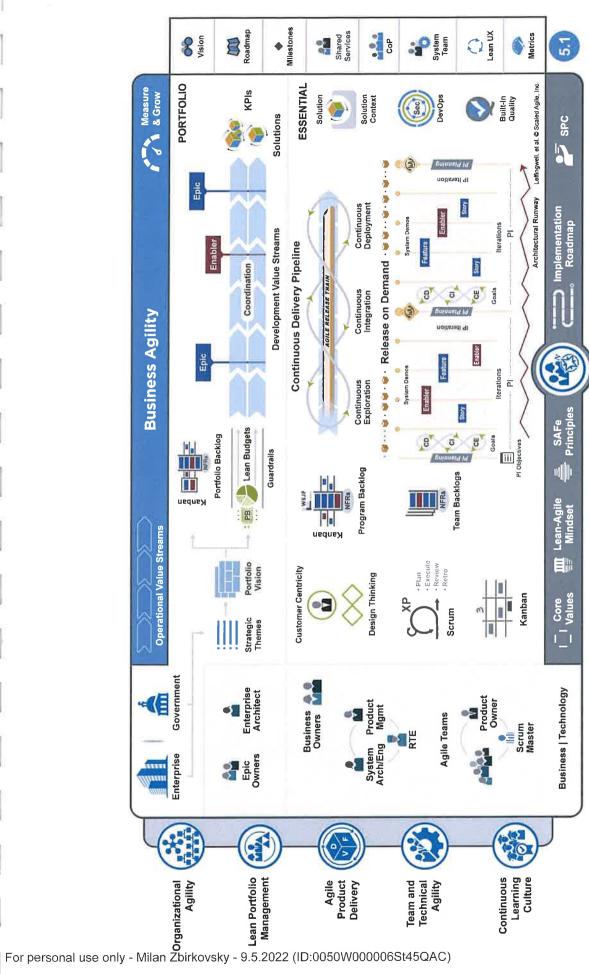


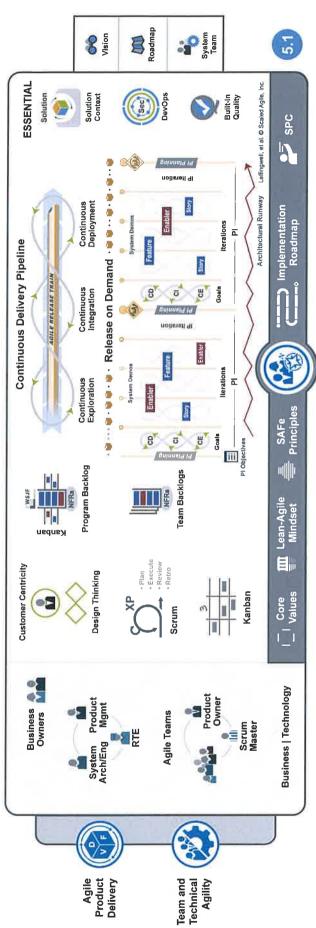
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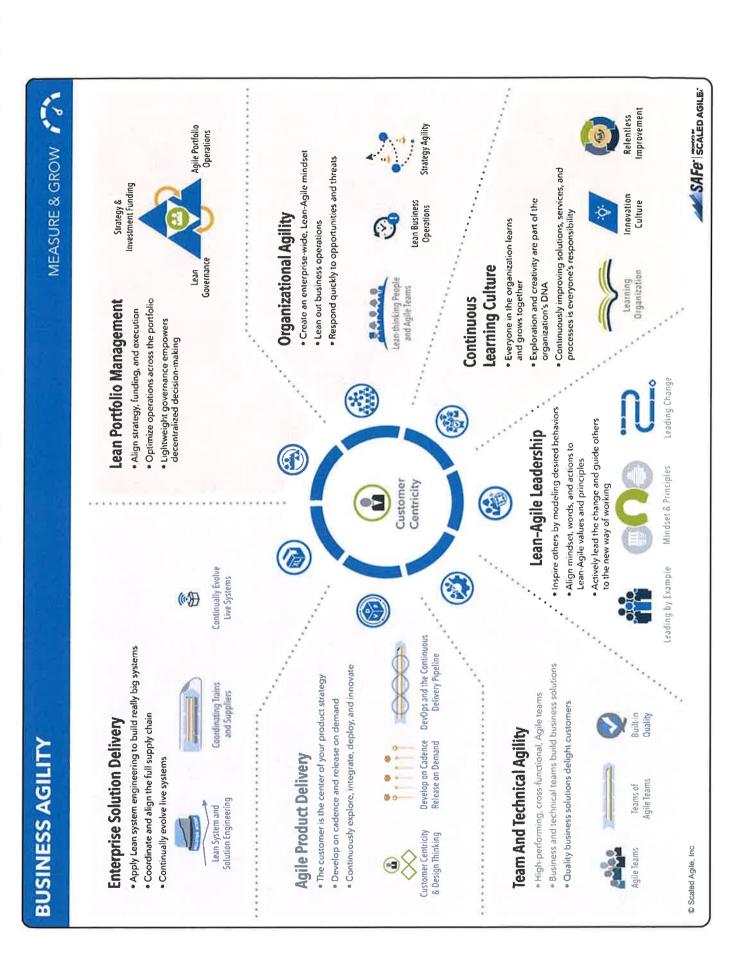
Lean-Agile Leadership

Lean-Agile Leadership





Lean-Agile Leadership



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scaledagileframework.com/implementation-roadmap

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SAFe® Courses and Certifications

Course	Description	Certification
Leading SAFe*	Thriving in the Digital Age with Business Agility	with SAFe® 5 Agilist Certification
Implementing SAFe*	Achieving Business Agility with the Scaled Agile Framework	with SAFe* 5 Program Consultant Certification
SAFe* for Government	Applying Lean-Agile Practices in the Public Sector with SAFe®	with SAFe® 5 Government Practitioner Certification
Lean Portfolio Management	Aligning Strategy with Execution	with SAFe® 5 Lean Portfolio Manager Certification
SAFe* Product Owner/Product Manager	Delivering Value through Effective Program Increment Execution	with SAFe® 5 Product Owner/Product Manager Certification
Agile Product Management	Using Design Thinking to Create Valuable Products in the Lean Enterprise	with SAFe® 5 Agile Product Manager Certification
SAFe* Scrum Master	Applying the Scrum Master Role within a SAFe® Enterprise	with SAFe® 5 Scrum Master Certification
SAFe* Advanced Scrum Master	Advancing Scrum Master Servant Leadership with SAFe®	with SAFe® 5 Advanced Scrum Master Certification
SAFe* Release Train Engineer	Facilitating Lean-Agile Program Execution	with SAFe® 5 Release Train Engineer Certification
SAFe* for Architects	Architecting for Continuous Value Flow with SAFe®	with SAFe® 5 Architect Certification
SAFe* DevOps	Optimizing Your Value Stream	with SAFe® 5 DevOps Practitioner Certification
SAFe* for Teams	Establishing Team Agility for Agile Release Trains	with SAFe® 5 Practitioner Certification
Agile Software Engineering	Enabling Technical Agility for the Lean Enterprise	with SAFe® 5 Agile Software Engineer Certification

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Logistics

- ► Course meeting times
- ▶ Breaks
- ▶ Facilities
- ► Technology requirements
- ▶ Working agreements

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Discussion: Introductions



- ▶ **Step 1**: Introduce yourself to your group
- ▶ Step 2: Share something you know about SAFe and the role of the Lean-Agile leader



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Course outline

- ▶ Lesson 1: Thriving in the Digital Age with Business Agility
- ▶ Lesson 2: Becoming a Lean-Agile Leader
- ▶ Lesson 3: Establishing Team and Technical Agility
- ▶ Lesson 4: Building Solutions with Agile Product Delivery
- ▶ Lesson 5: Exploring Lean Portfolio Management
- ▶ Lesson 6: Leading the Change
- ▶ Lesson 7: Practicing SAFe

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Activity: Course outline overview



- ▶ **Step 1:** Review the course outline
- ▶ **Step 2:** Place a dot on the topics that are most relevant to you. You have three votes in total.

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Activity: Access the Class Page

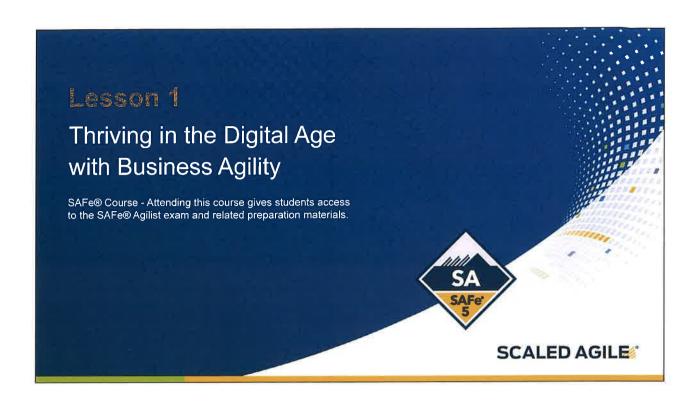


- ► Step 1: Navigate to the Class Page on the SAFe Community Platform
- ► Step 2: Select Learn, then My Classes, then Leading SAFe
- ► Step 3: Click on the link to Download the Leading SAFe Digital Workbook



Visit the Leading SAFe class page to download the workbook.

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Learning objectives

At the end of this lesson, you should be able to:

- ▶ Describe what is necessary to thrive in the digital age
- ▶ Recognize SAFe as an operating system for Business Agility
- ► Summarize the seven core competencies of Business Agility

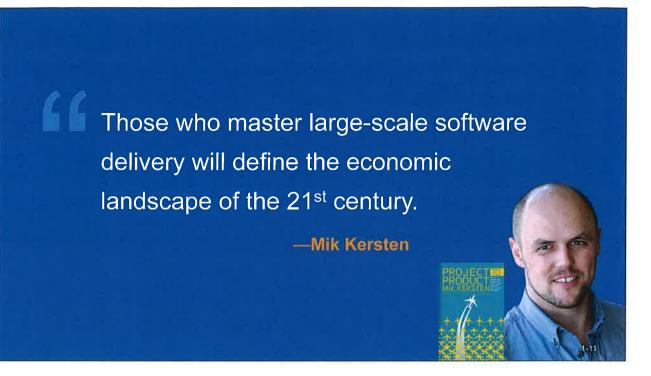
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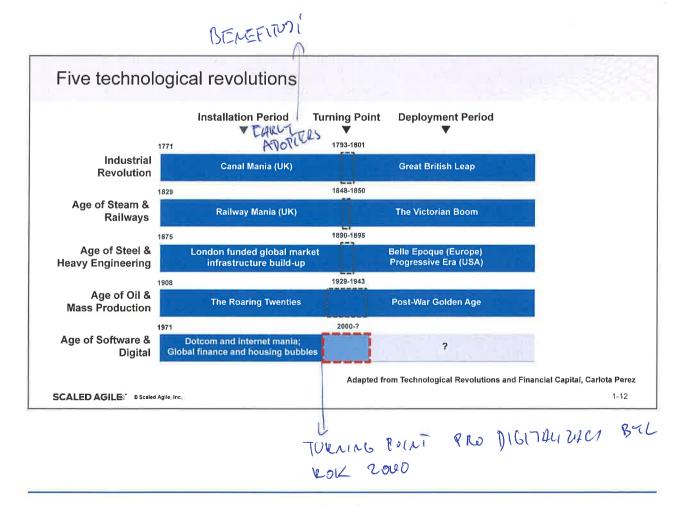
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1.1 Thriving in the digital age

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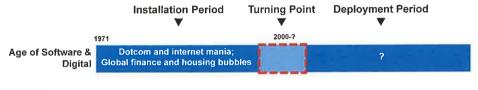




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Production capital follows financial capital

- ► Installation Period New technology and financial capital combine to create a 'Cambrian explosion' of new market entrants, disrupting entire industries from the previous age
- ► Turning Point Existing businesses either master the new technology or decline and become relics of the last age
- ▶ **Deployment Period** Production capital of the new technological giants start to take over



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What stage are we in?

- ▶ "BMW Group's CEO expects that in their future more than half of its research and development staff will be software developers." (Mik Kersten, *Project to Product*)
- ► The market cap of Tesla (\$464B market cap, \$24B revenue) now exceeds the market cap of Ford (\$33B market cap, \$156B revenue) at a 14:1 value ratio (November 2020)
- ► Apple is now the biggest watchmaker in the world (Investopedia 2019)

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Competing in the age of software

The problem is not with our organizations realizing that they need to transform; the problem is that organizations are using managerial frameworks and infrastructure models from past revolutions to manage their businesses in this one.

-Mik Kersten

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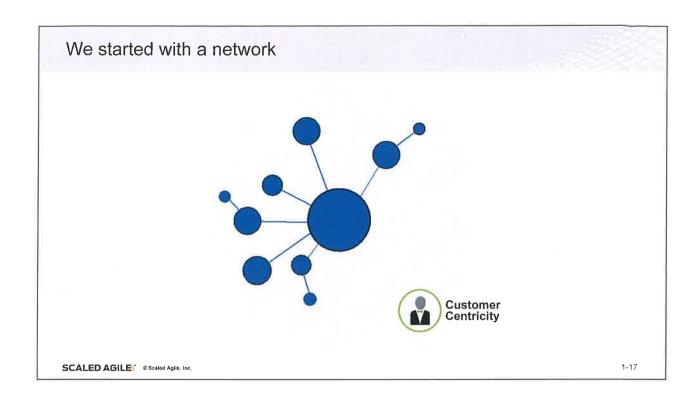
Rethinking the organization

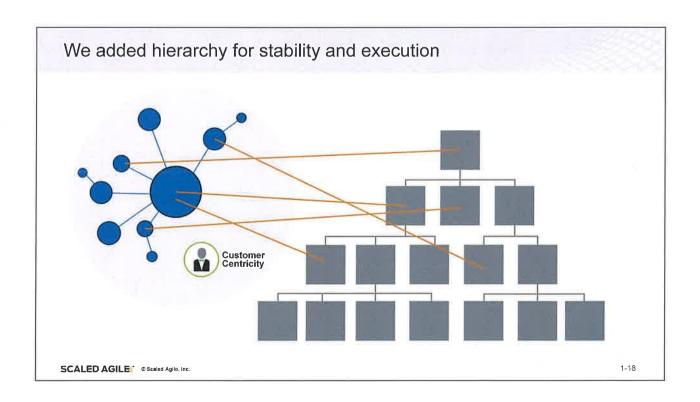
The world is now changing at a rate at which the basic systems, structures, and cultures built over the past century cannot keep up with the demands being placed on them.

—John P. Kotter

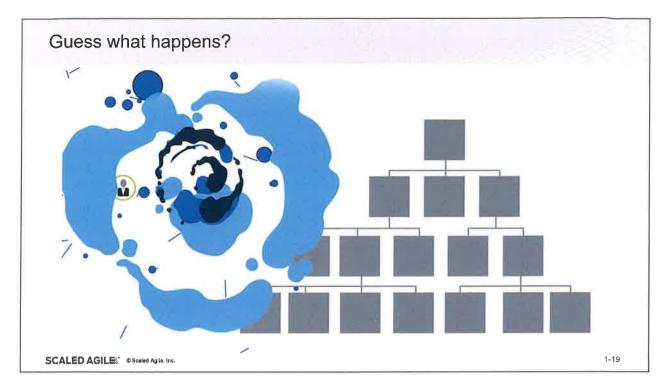


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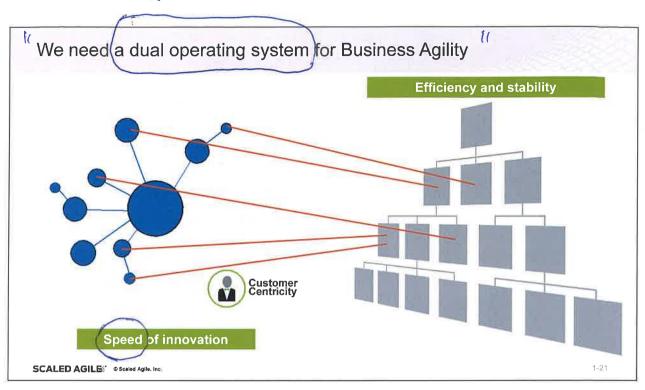
The solution is not to trash what we know and start over but instead to reintroduce a second system—one which would be familiar to most successful entrepreneurs.

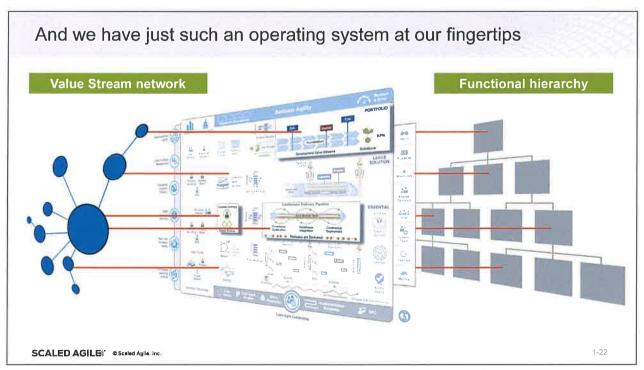
—John P. Kotter

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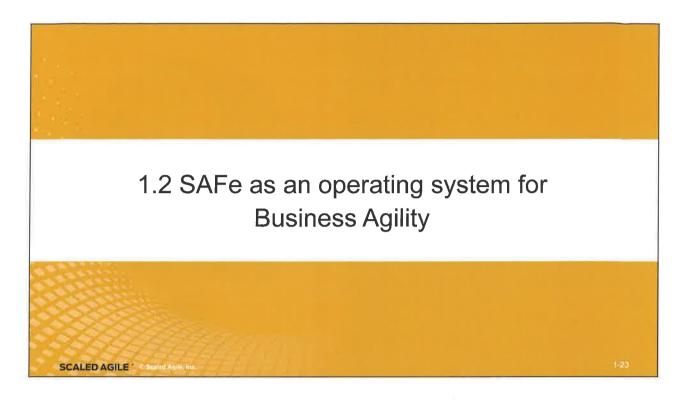




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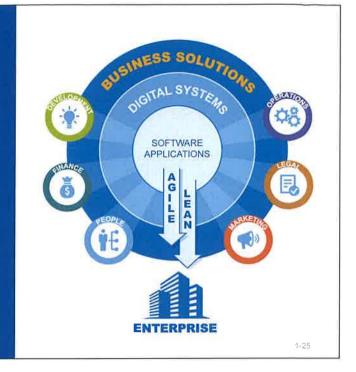
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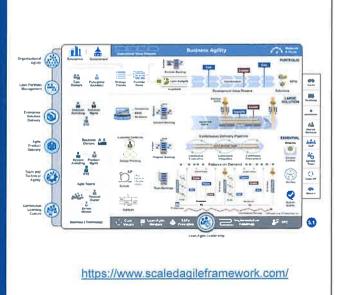
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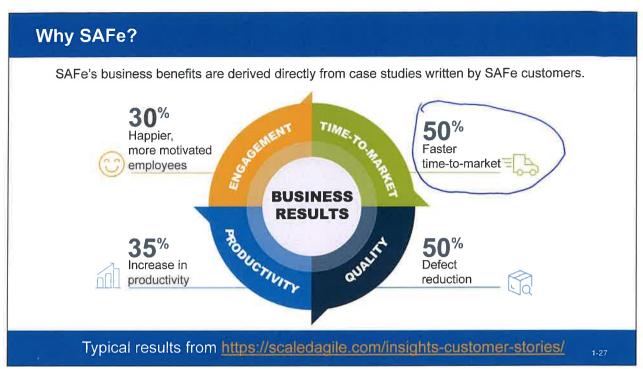
Business Agility requires technical agility and a business-level commitment to product and Value Stream thinking.

And it requires that everyone involved in delivering business solutions uses Lean and Agile practices.

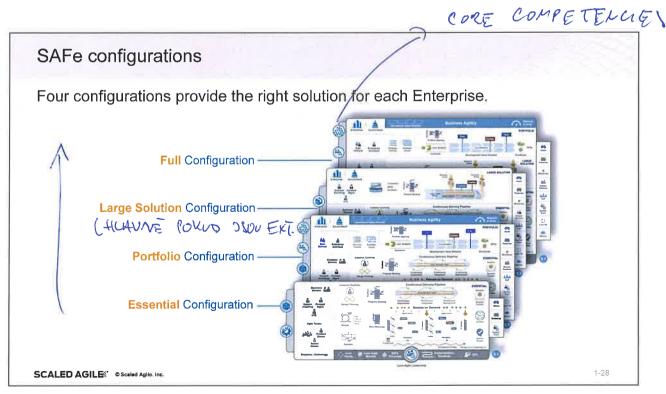


SAFe® 5 for Lean Enterprises is a knowledge base of proven, integrated principles, practices, and competencies for achieving Business Agility by implementing Lean, Agile, and DevOps at scale.





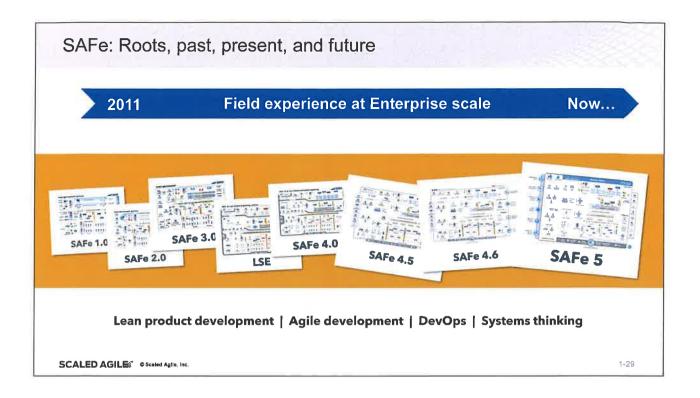
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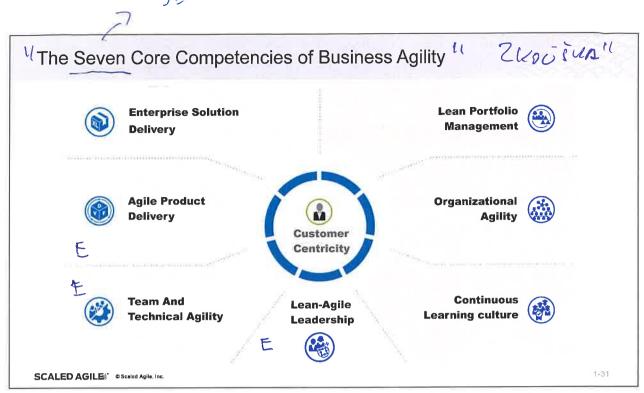
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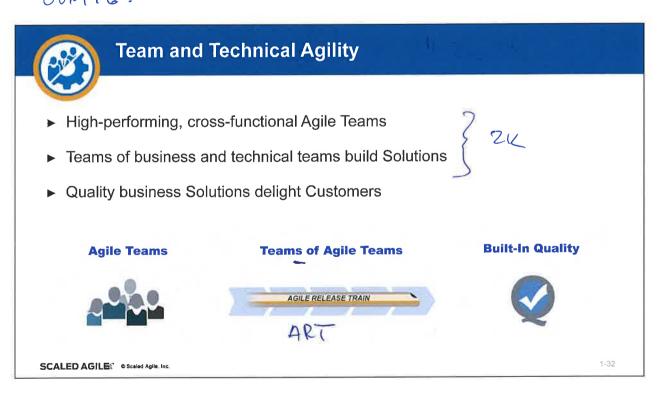




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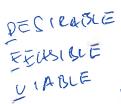


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Agile Product Delivery

- ▶ The Customer is the center of your product strategy
- Decouple the release of value from the development cadence
- Continuously explore, integrate, deploy, and release

Customer Centricity and Design Thinking



Develop on cadence



DevOps and the and release on demand Continuous Delivery Pipeline



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Enterprise Solution Delivery

- ▶ Apply Lean system engineering practices to build really big systems
- Coordinate and align the full supply chain
- Continue to enhance value after release

Lean System and Solution Engineering



Coordinate Trains and Suppliers



Continually Evolve Live Systems



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Lean Portfolio Management

- Align strategy, funding, and execution
- Optimize operations across the portfolio
- ► Lightweight governance empowers decentralized decision-making



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Organizational Agility

- Create an enterprise-wide, Lean-Agile mindset
- ▶ Map and continuously improve business processes
- ▶ Respond quickly to opportunities and threats

Lean-thinking People and Agile Teams



Lean Business Operations



Strategy Agility



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Continuous Learning Culture

- ► Everyone in the organization learns and grows together
- Exploration and creativity are part of the organization's DNA
- Continuously improving Solutions, services, and processes is everyone's responsibility

Learning Organization

Innovation Culture

Relentless Improvement







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THINK OUT OFTHE BOX

INSPECT AND ADUPT



Lean-Agile Leadership

- ▶ Inspire others by modeling desired behaviors
- ▶ Align mindset, words, and actions to Lean-Agile values and principles
- Actively lead the change and guide others to the new way of working

Leading by Example

Mindset & Principles

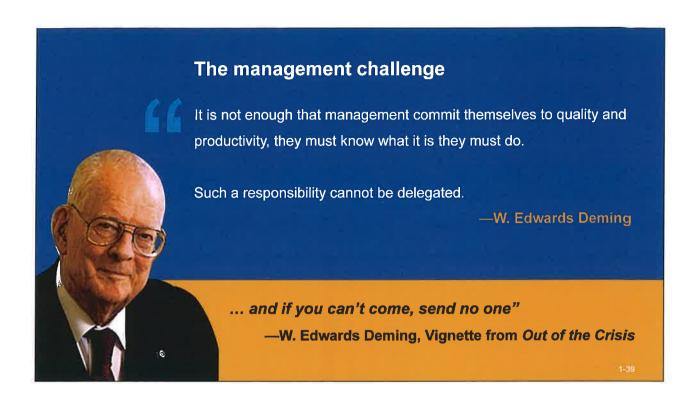
Leading Change







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Measure and Grow toward Business Agility **Business Agility Assessment** Measure and Grow is the way each portfolio evaluates their progress toward Team and Technical Agility (TTA) Business Agility and determines their next improvement steps: Continuous Learning Culture (CLC) Agile Product Delivery (APD) Create a high-level summary using the Business Agility assessment Go deeper with the Seven Core Enterprise Organizational Competency assessments Solution Delivery (ESD) Analyze results and identify opportunities to improve Lean-Agile Access the Online Assessments: https://bit.ly/Community-MeasureAndGrow SCALED AGILE Scaled Agile, Inc 1-40

COMPETEUCIES

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Lesson review

In this lesson you:

- ► Described what is necessary to thrive in the digital age
- ▶ Recognized SAFe as an operating system for Business Agility
- ► Explored the seven core competencies of Business Agility

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Articles used in this lesson

Read these Framework articles to learn more about topics covered in this lesson

- ► "SAFe for Lean Enterprises" https://www.scaledagileframework.com/safe-for-lean-enterprises/
- "Business Agility" https://www.scaledagileframework.com/ /business-agility/
- "Measure and Grow"
 https://www.scaledagileframework.com/
 /measure-and-grow/



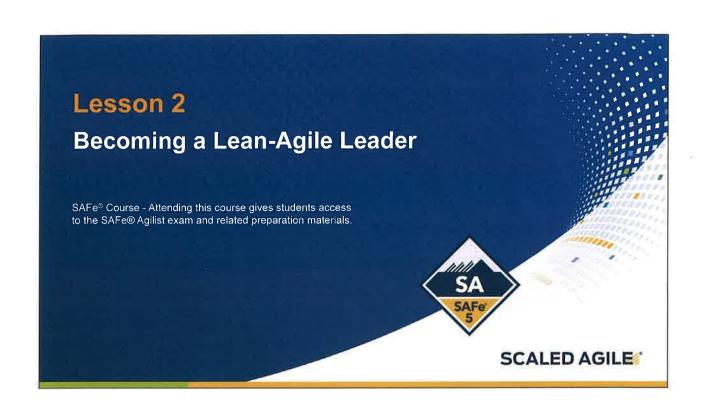
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Continue your SAFe journey with the following resources Watch this 18-minute video to hear Watch this three-minute video to learn Why SAFe? is the world's most widely how to Navigate the Big Picture, used framework for Business Agility: exploring the various elements of SAFe: https://bit.ly/Video-WhySAFe https://bit.ly/Video-**NavigatingTheBigPicture** Watch this five-minute video to review Run the SAFe Business Agility the Seven Core Competencies of the Assessment to create the urgency for Lean Enterprise: change: https://bit.ly/Videohttps://bit.ly/Community-SAFeOverviewin5Minutes MeasureAndGrow 1-43

Lesson notes

Enter your notes below. If using a digital workbook, save your PDF often so you don't lose any of your notes.

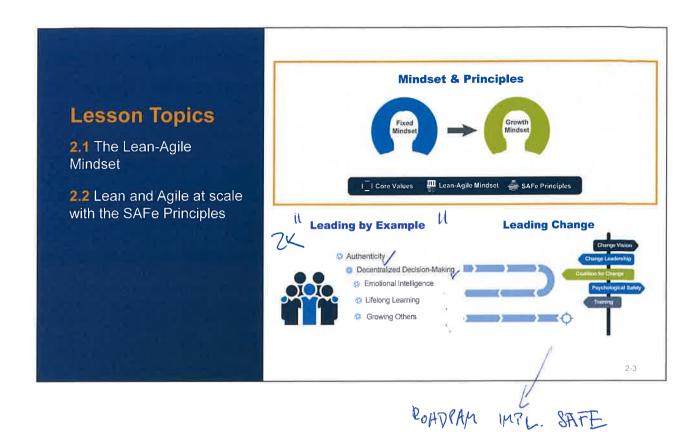
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Why Lean-Agile Leadership?

An organization's managers, executives, and other leaders are responsible for the adoption, success, and ongoing improvement of Lean-Agile development and the competencies that lead to Business Agility. Only they have the authority to change and continuously improve the systems that govern how work is performed.



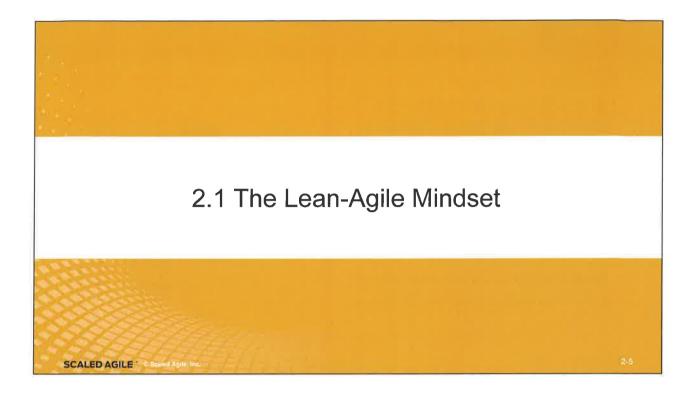


Learning objectives

At the end of this lesson you should be able to:

- ► Embrace the Lean-Agile Mindset
- ► Apply the SAFe Lean-Agile Principles

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Exemplifying SAFe core values

11 4 CORE VACUES!

Alignment

- ▶ Communicate the mission, vision, and strategy
- Provide briefings and participate in PI Planning
- ▶ Participate in backlog review and preparation
- ▶ Organize around Value Streams
- ► Constantly check for understanding

Built-in Quality

- ► Refuse to accept low-quality work
- ▶ Support investments in technical debt reduction
- ► Ensure UX, architecture, operations, security, compliance, and others are part of the flow of work

Transparency

- ► Visualize all relevant work
- Take ownership and responsibility for errors
- Admit your own mistakes
- ▶ Support others who acknowledge and learn from their mistakes—never punish the messenger

Program Execution

- ▶ Participate as an active Business Owner
- Celebrate high quality and predictably delivered
- Aggressively remove impediments and demotivators

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2-6

4 CORE VALUES

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MARN. XP EXTERNE PROCEAMING FRAME ROCK



Action Plan: Exemplifying SAFe's core values



- ➤ **Step 1:** Individually choose one of SAFe's four core values: Alignment, Transparency, Built-In Quality, or Program Execution
- ➤ **Step 2:** In your group, discuss how you can exemplify that core value in your organization
- ► **Step 3:** Write down one example in the Action Plan in your workbook



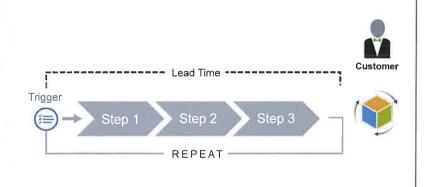
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Lean thinking

- Precisely specify value by product
- Identify the Value Stream for each product
- Make value flow without interruptions
- Let the Customer pull value from the producer
- ✓ Pursue perfection

Lean Thinking: Banish Waste and Create Wealth in your Corporation, James Womack and Daniel Jones





Action Plan

Exemplifying SAFe's core values

DEVELOPMENT VALUE STREAM

VALUE STEEPN MAPPING

SAFe House of Lean

The Lean thinking mindset is embodied in the SAFe House of Lean



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Value

Achieve the shortest sustainable lead time with:

- ► The best quality and value to people and society
- High morale, safety, and Customer delight



There is only one boss. The customer.

And he can fire everybody in the company.

-Sam Walton

Respect for people and culture

- ► Generative culture
- ▶ People do all the work
- Your Customer is whoever consumes your work
- Build long-term partnerships based on trust
- ► To change the culture, you have to change the organization



Culture eats strategy for breakfast.

-Peter Drucker

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2-11

Flow

- Optimize sustainable value delivery
- ► Build in quality
- Understand, exploit, and manage variability
- ► Move from projects to products



Operating a product development process near full utilization is an economic disaster.

—Don Reinertsen

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Innovation

- ▶ Innovative people
- Provide time and space for innovation
- Go see
- Experimentation and feedback
- Innovation riptides
- Pivot without mercy or guilt



Innovation comes from the producer.

-W. Edwards Deming

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2-13

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YTECAL! Rel

>Relentless improvement

- ► A constant sense of danger
- ▶ Optimize the whole
- ▶ Problem-solving culture
- Base improvements on facts
- ► Reflect at key Milestones



Those who adapt the fastest win.

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Leadership

- ▶ Lead by example
- Adopt a growth mindset
- Exemplify the values and principles of Lean-Agile and SAFe
- ▶ Develop people
- ▶ Lead the change

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Foster psychological safety

Respect for people and culture people and culture Flow Innovation Relentless improvement

People are already doing their best; the problems are with the system. Only management can change the system.

-W. Edwards Deming

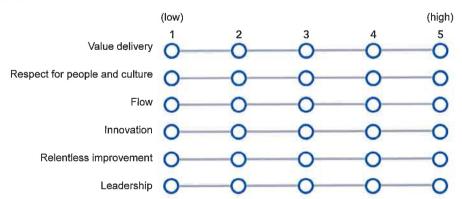
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Activity: Assessing a Lean mindset

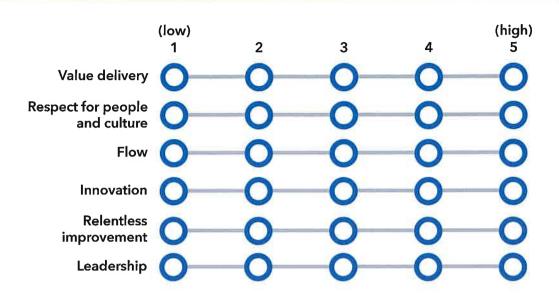


- ▶ Step 1: Assess where your organization stands in embracing a Lean mindset.
- ► Step 2: Discuss the results of the self-assessment. Do you have similar low or high scores?



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Assessing a Lean Mindset



Notes

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Action Plan: Improving the Lean-Agile mindset





- ► Step 1: Select one of the lowest scores in the assessment.
- ▶ **Step 2:** Brainstorm one to three actions you could take to improve this area.
- Step 3: Share your ideas with your group. Give and receive constructive suggestions on how the ideas offered can improve the mindset scores.
- Step 4: Write down one idea in your Action Plan and be prepared to share.



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2-17

The Agile Manifesto

We are uncovering better ways of developing software by doing it and helping others do it.

Through this work we have come to value:

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CORE

Individuals and interactions over processes and tools

Working software over comprehensive documentation

Customer collaboration over contract negotiation

Responding to change over following a plan

That is, while there is value in the items on the right, we value the items on the left more.

http://agilemanifesto.org/

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Action Plan

Improving the Lean-Agile mindset

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The Agile Manifesto principles

- Our highest priority is to satisfy the customer through early and continuous delivery of valuable software.
- Welcome changing requirements, even late in development. Agile processes harness change for the customer's competitive advantage.
- 3. Deliver working software frequently, from a couple of weeks to a couple of months, with a preference for the shorter timescale.
- 4. Business people and developers must work together daily throughout the project.

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2 10

The Agile Manifesto principles

- 5. Build projects around motivated individuals. Give them the environment and support they need and trust them to get the job done.
- 6. The most efficient and effective method of conveying information to and within a development team is face-to-face conversation.
- 7. Working software is the primary measure of progress.
- 8. Agile processes promote sustainable development. The sponsors, developers, and users should be able to maintain a constant pace indefinitely.

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The Agile Manifesto principles

- Continuous attention to technical excellence and good design enhances agility.
- 10. Simplicity—the art of maximizing the amount of work not done—is essential.
- 11. The best architectures, requirements, and designs emerge from selforganizing teams.
- 12. At regular intervals, the team reflects on how to become more effective, then tunes and adjusts its behavior accordingly.

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2-21



Activity: Agile principles at scale





- ▶ Step 1: Review the principles behind the Agile Manifesto
- ▶ Step 2: Select one principle per group
- ▶ Step 3: Categorize as:
 - Works as is
 - Not applicable
 - Requires rethinking for scale
- ▶ Step 4: Share your findings with the class