Scaled Agile Framework (SAFe)
from zero to hero

⚠️ what is SAFe

  ↳ a development framework that combines principles and philosophy of LEAN, Agile Scrum, DevOps on a scale

⚠️ SAFe makes use of ASF (Agile Scrum framework) without any modifications

⚠️ SAFe adds more artifacts, roles and meetings on top of ASF

⚠️ in SAFe, everything is built around the product Increment

⚠️ SAFe is used for large scale solutions where numerous teams work together towards common business objectives

⚠️ Agile Release Train (ART)

  ↳ many the agile teams that work in a parallel towards a common goal + management on top of them

⚠ There is a strong connection between the ASF of each agile team and the ART level meetings

⚠ SAFe uses the term "Iteration" instead of "sprint"

no difference

⚠ Business Owner
- key stakeholders of the ART
- responsible for the ART's business outcome
- responsible for providing maximum value to customer
- making sure that the product roadmap is followed
- participate in preparation and execution of PI Planning event itself
- align constantly with customer & the PM throughout the whole PI
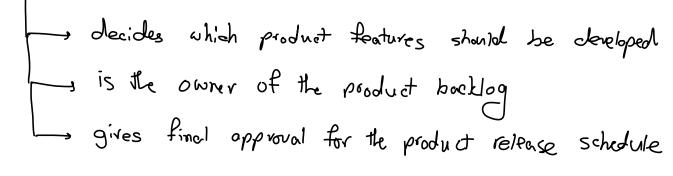- prepare the ground for future activities / product development

⚠ Product Manager in SAFe
- is like the project manager in other FWKs
- is responsible for meeting business goals set by the BOs
- Creates the product vision

- → decides which product features should be developed
- → is the owner of the product backlog
- → gives final approval for the product release schedule

⚠ Release Manager (RM)

- → when is each product release going to happen
- → what is the goal/scope of each product release
- → what are the product's components/features that will be included in each product release

⚠ Release Train Engineer (RTE)

- → facilitate and organize all the events & activities on ART level
- → coach the ART in terms of SAFe and Agile Scrum
- → escalation of important blocking points to ART's mng.
- → monitoring and managing ART's risks

⚠ system Architect

- → reassure feasibility of the product
- → keep track of implementation status of every subsystem / component of the product
- → support ART's management in defining product's roadmap from a technical perspective

⚠️ Story
  └→ a short description of a feature of the product, from and end user's perspective

⚠️ Epic > Capability > Feature > Story

⚠️ Feature
  ├→ describes a product functionality
  ├→ is comprised of many stories
  └→ is developed by one ART

⚠️ Capability
  ├→ is comprised of many features
  └→ can be developed by many ARTS in parallel

⚠️ The owner of product capabilities and features is the PM

⚠️ Epic
  ├→ is a placeholder for a very big development initiative
  ├→ spans over numerous PIs
  ├→ includes numerous features & capabilities
  ├→ bring business value to the company
  └→ Epic's ower : PM

⚠ Sprint backlog

↳ All the items + sprint goal for the upcoming sprint

⚠ program backlog

↳ All the user stories of every feature that the ART is going to work on during the PI

⚠ PI objectives

↳ a group of business and technical goals that each team and the ART set per PI

⚠ set business objectives meeting

→ happens on the 3rd iteration of current PI
→ signals the start of planning activities for the next PI
→ host : RTE and BOs
→ Participants : PM, QM, POs

⚠ S.M.A.R.T objectives

→ specific
→ measurable
→ achievable
→ relevant
→ time-bound

⚠ The program backlog presentation meeting serves as a kickoff for the planning activities of the teams

⚠ PI Planning meeting
- the most important meeting of SAFe
- happens on 2nd week of 5th iteration of current PI
- Aligns business goals with the team's objectives
- creates bonds within the ART

⚠ Capacity
- the total amount of plannable hours of the team for a specific iteration
- $= (\text{Max Plannable Hours}) - (\text{Vacations}) - (\text{Trainings}) - (\text{Public holidays}) - (\text{time for scrum activities})$

⚠ Load
- The amount of planned work of the team for a specific iteration

⚠ Risk Categories (ROAM)
- Resolved : no longer a threat
- Owned : to be monitored closely by an assignee
- Accepted : the impact is accepted
- Mitigated : applied a solution to minimize probability

⚠ 7 Core competency of SAFe

- → Enterprise Solution Delivery
- → Agile Product Delivery
- → Team and technical agility
- → LEAN portfolio management
- → organizational agility
- → continous learning culture
- → LEAN Agile Leadership