New and Noteworthy Support for SAFe 6.0 in IBM Engineering Lifecycle Management

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IBM Engineering Lifecycle Management Enterprise Agile Planning using SAFe[®]

SAFe[®] is a knowledge base of proven, scalable, and configurable principles, practices, and competencies for Lean, Agile, and DevOps, no matter the organization's size, industry, or complexity.

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Get up and running quickly with outof-the-box infrastructure to implement all levels of SAFe

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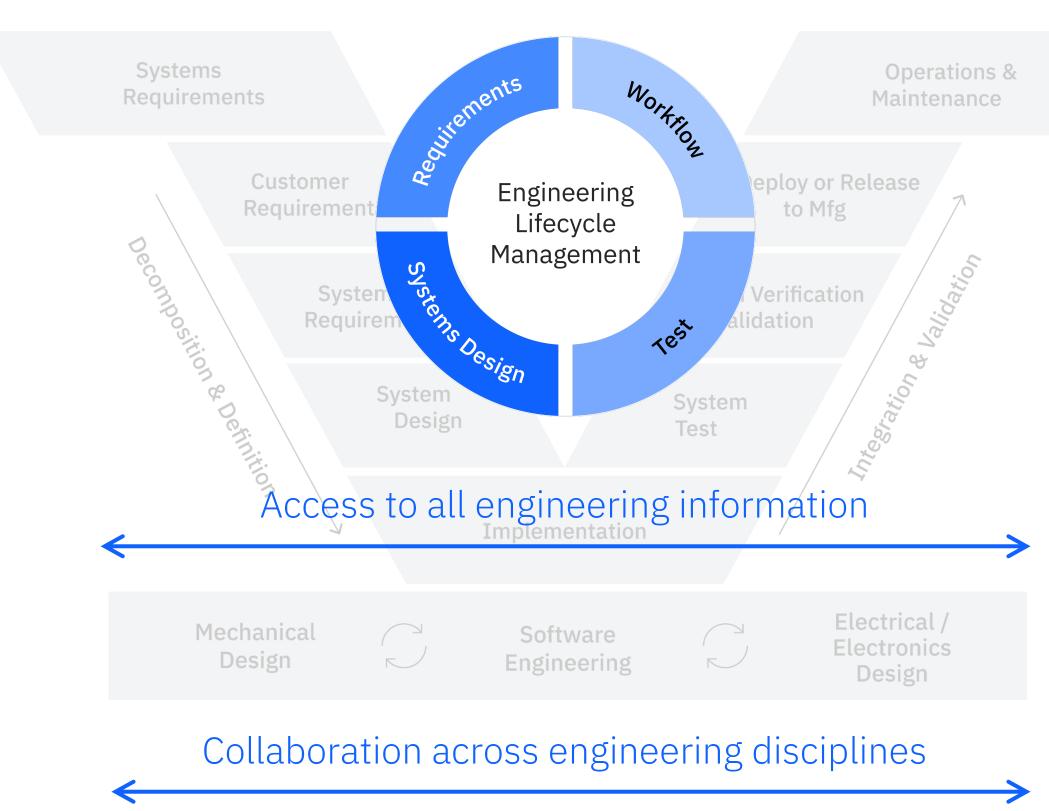
Simplify change to culture and process with quick and easy access to SAFe guidance

03

Improve agility and predictability with role-based dashboards

Easily customize to fit your specific needs and organization

Traceability across the lifecycle





ELM Templates for SAFe[®] 6.0

Use two predefined process templates that support Scaled Agile Framework (SAFe[®]) 6.0 to establish your tooling environment

Full SAFe 6.0

Use template to establish a tooling environment for:

Full SAFe: with the Portfolio Epic, Solution Epic and Capability

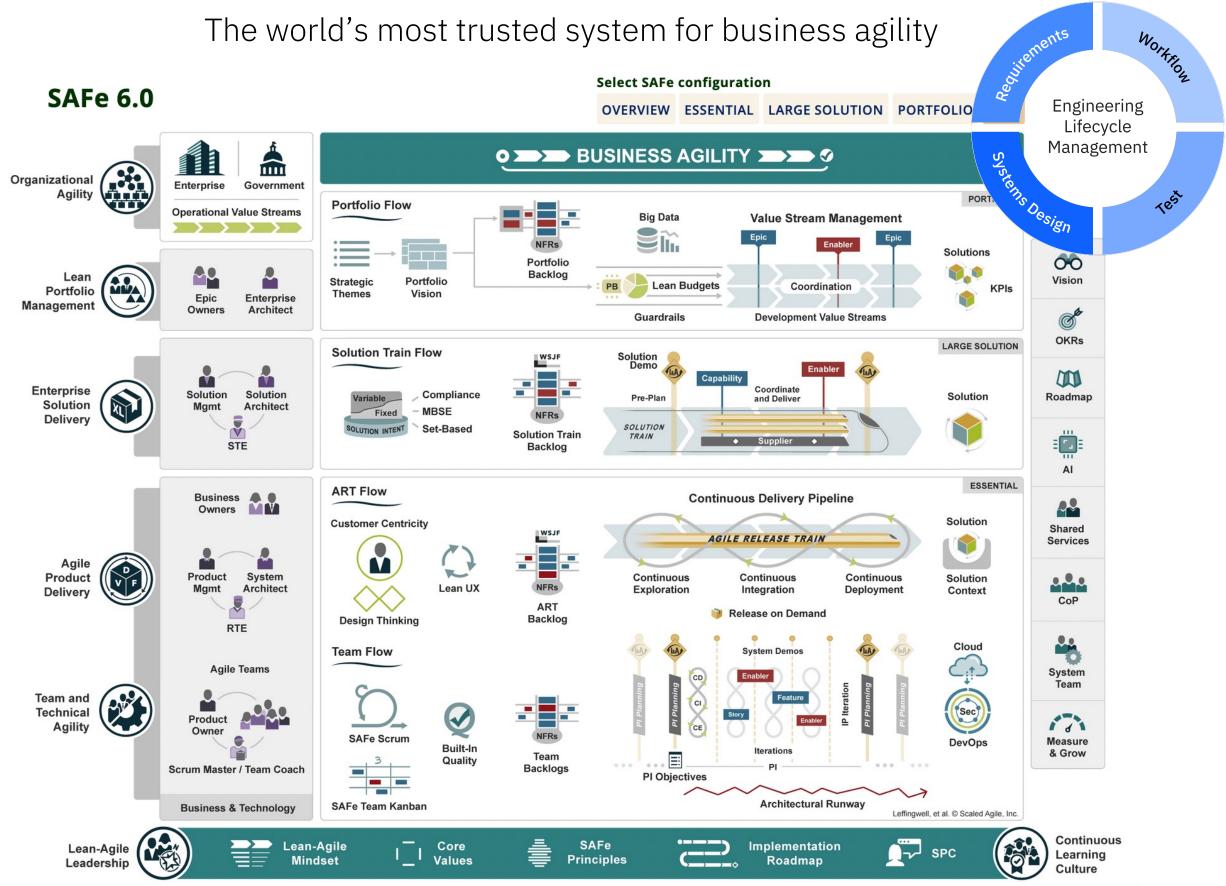
Large Solution SAFe: with Solution Epic and Capability.

Portfolio SAFe: with the Portfolio Epic, Solution Epic and Capability.

Essential SAFe 6.0

Use template to establish a tooling environment for an ART and its teams

These need to be associated with a Full, Large Solution or Portfolio SAFe tooling environments



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New and Noteworthy: Support for SAFe 6.0

Strategic Alignment

Reporting updates

Added new Work Item Types

- Strategic Theme: Value to Customer, Impact on Business, Impact on Competition
- Organization: Scope, Allocated Capacity, Allocated Investment, Budgeted Capacity, Budgeted Capacity, Total Market Opportunity
- Objective: Scope, Objective Type, Proposed
- Key Results: Scope, Business Value (planned), Business Value (Actual), Achieved Value (%)

Workflow Updates

Updated Retrospective workflow to include Reviewed state to the Implementation state group.

Added new Portfolio Management plan type with the following views:

- Strategic Themes to show only Themes and its impact
- Organization to show only Organization hierarchy along with budget details
- Objective Key Results to show Objectives and its alignment to Strategic Themes
- OKR Board to show Objective and child Key Results

have been added to the SAFe 6.0 reports.

Enterprise Scaled Agile reports

SAFe 6.0

- Program Budgeted report
- Solution (value stream) Investment & Opportunity

Changed tagging:

- PI burndown chart (weeks in PI) [DB2 Advanced SQL to Enterprise Agile Report]
- PI burnup chart (weeks in PI) [DB2 Advanced SQL to Enterprise Agile Report]
- Planned Features without associated Epic [PORTFOLIO safe] (Enterprise Agile Report to SAFe 6.0)

Terminology changes

- New 9 JRS reports to support Strategic alignment with OKRs
- New 7 Flow Metric reports have been added to the
- Updated 18 SAFe reports to support new data model for
- Deprecated 2 SAFe reports which are replaced by SAFe 6.0 report: Investment & opportunity (by Organization)

SAFe 6.0 recommends the following terminology changes::

- Program Increment with Planning Interval
- Solution with Solution Train
- Program with ART
- Solution Epic with Solution Train Epic
- Program Epic with ART Epic

The following artifacts were updated made to reflect the following terminology changes recommended by SAFe 6.0:

- Values of Scope enumeration
- Plan type and views names
- Work item templates
- Role names and permissions
- Timelines
- Artifact categories for test plans
- Artifact templates for SAFe related test plans
- Names, descriptions, and conditions of all existing reports

Updated Roles and permissions to empower teams and clarify responsibilities

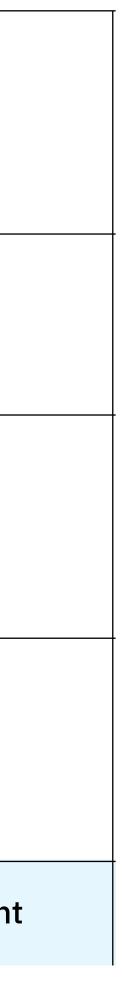
SAFe® Support - Taxonomy

Track & Plan

	Engineering Workflow Management	ERM – DOORS Next	Engineering Test Management
Team flow	– Ranked backlog – Kanban & Scrum boards – Task board – Dependency board	– User story elaborations – Supporting artifacts – Release collections	– Team test plan – Test cases – Test scripts
ART flow	– ART backlog – WSJF ranked list – Roadmap & Kanban – Dependency board	- Solution context - Rules / Personas - Lifecycle Scenarios (Acts, scenes, roles)	– ART test plan – Test cases – Test scripts
Solution Train flow	– Solution Train backlog – WSJF ranked list – Roadmap & Kanban	– Value stream Canvas – Solution intent	– Solution Train Test plan – Test cases – Test scripts
Portfolio flow	– Strategic theme – Objective & Key results (OKRs) – Lean budget – Portfolio backlog / Kanban	– Portfolio vision / Canvas – Lightweight business case	

Solution Analysis

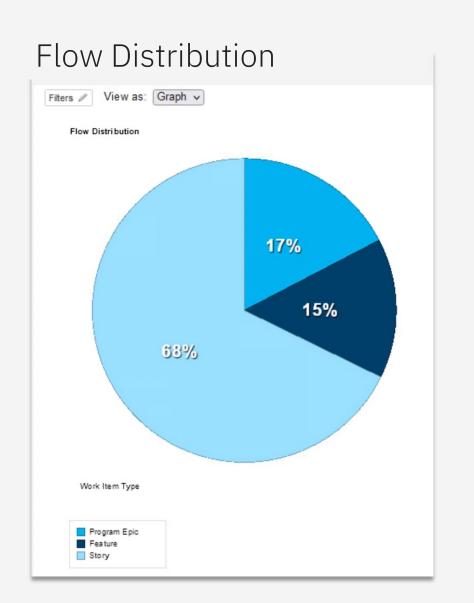
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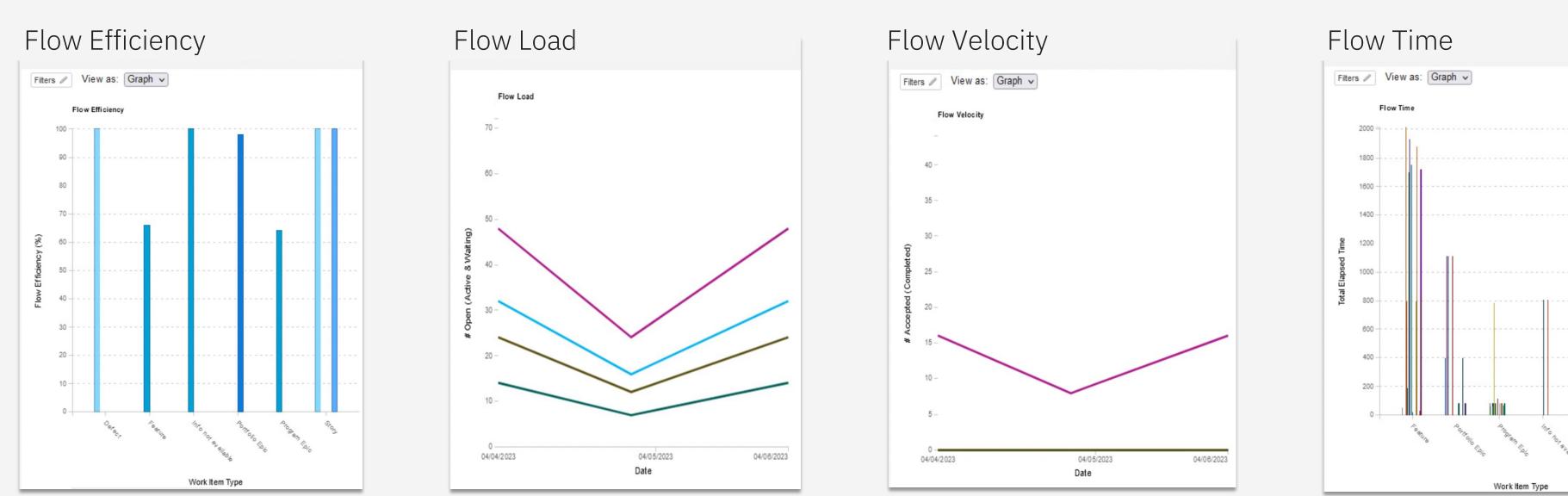
Measure flow of business value

Use Flow metric reports to measure effectiveness of an organization at delivering value. Measure how reliably teams and ARTs are achieving the objectives they set for themselves.

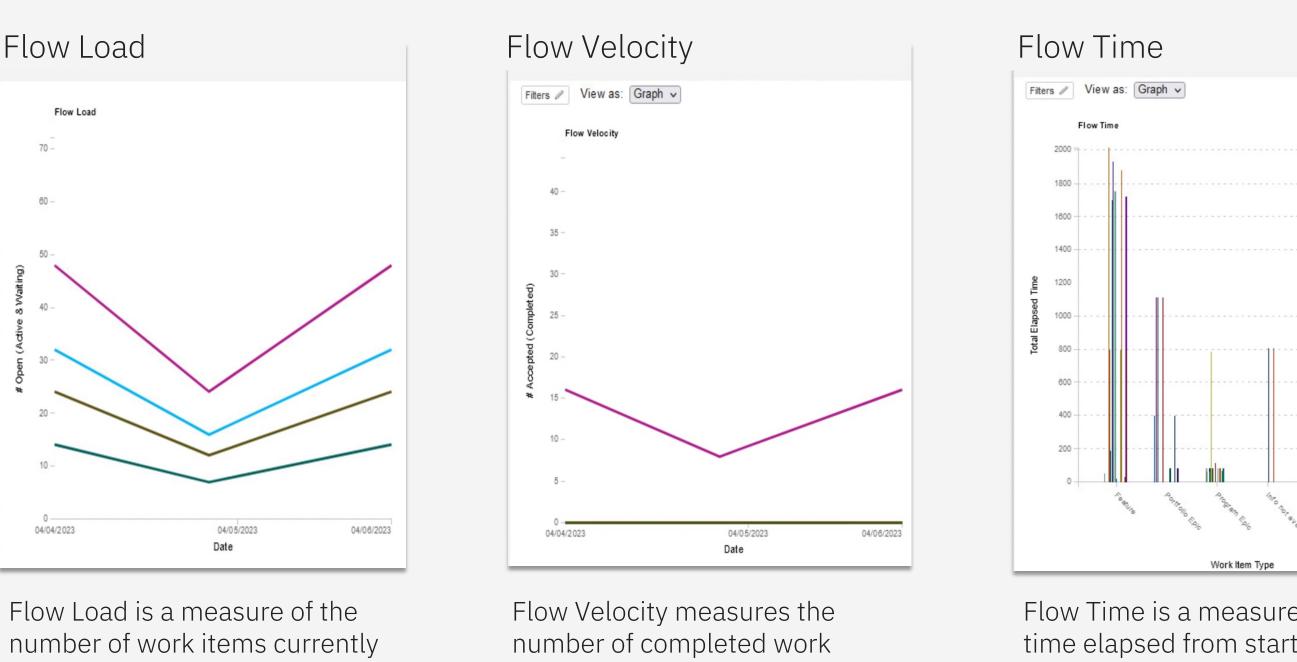
Identify opportunities for improvement at every level of the framework.



Flow Distribution is a measure of the proportion of work items by type in a system.



Flow Efficiency is the ratio of the total time spent in value-added work activities divided by the total flow time.



in progress (active or waiting).

items over a time period.

Flow Time is a measure of the time elapsed from start to completion for a given work item.

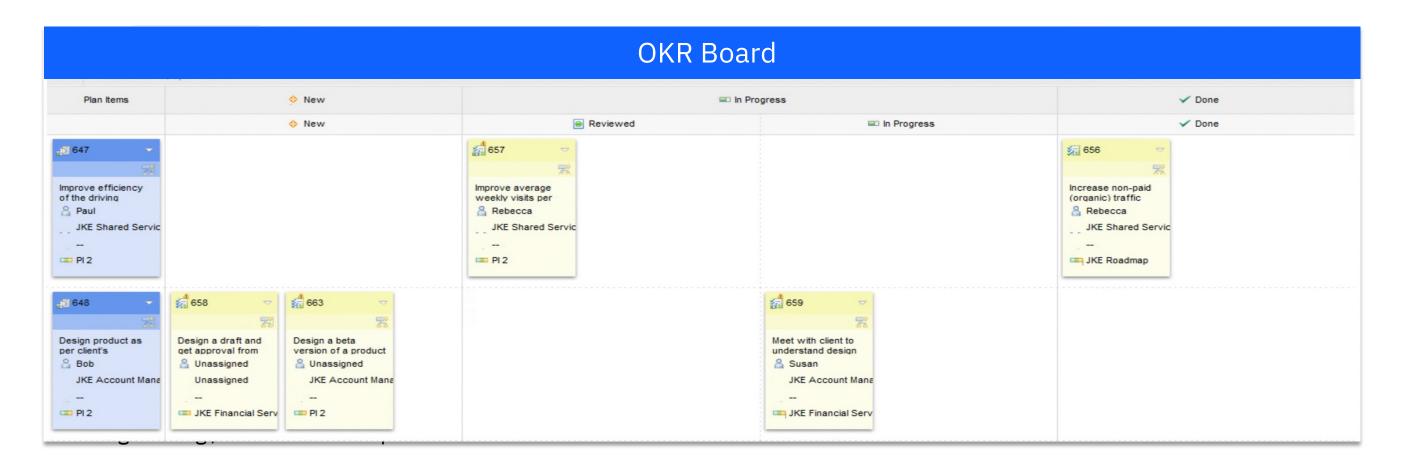


Establish clear goals and outcomes

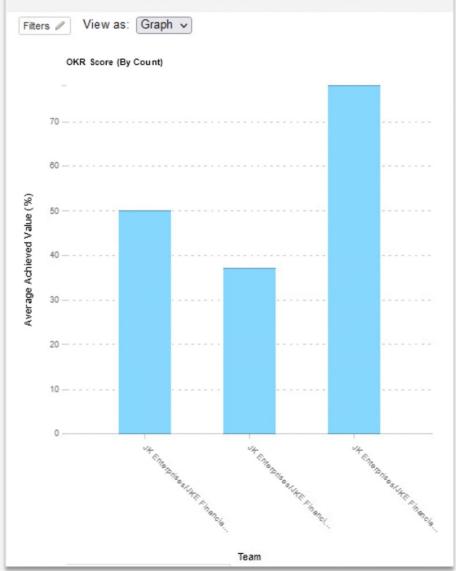
Use Objective-Key Results (OKRs) to:

- Enhance strategic alignment through specific and measurable actions. ۲
- Define business outcomes and effort for tracked epics in the Portfolio Kanban. •
- Set improvement goals and measure the success of a SAFe transformation. ullet

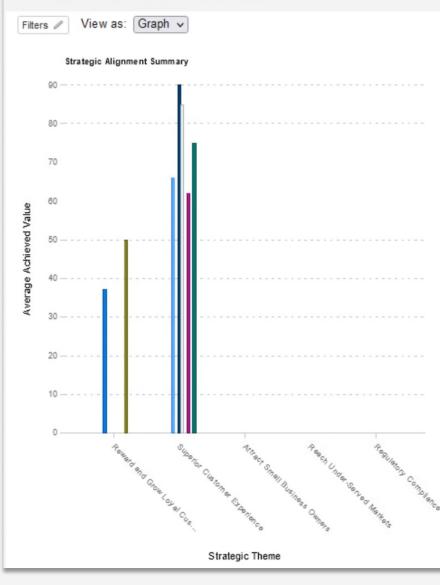
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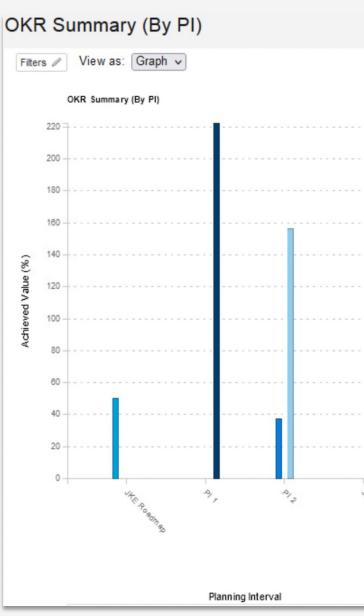


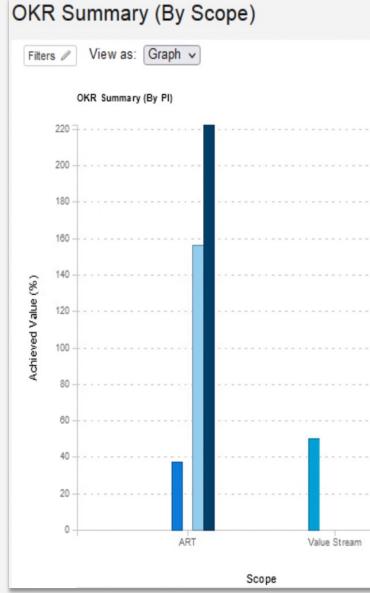














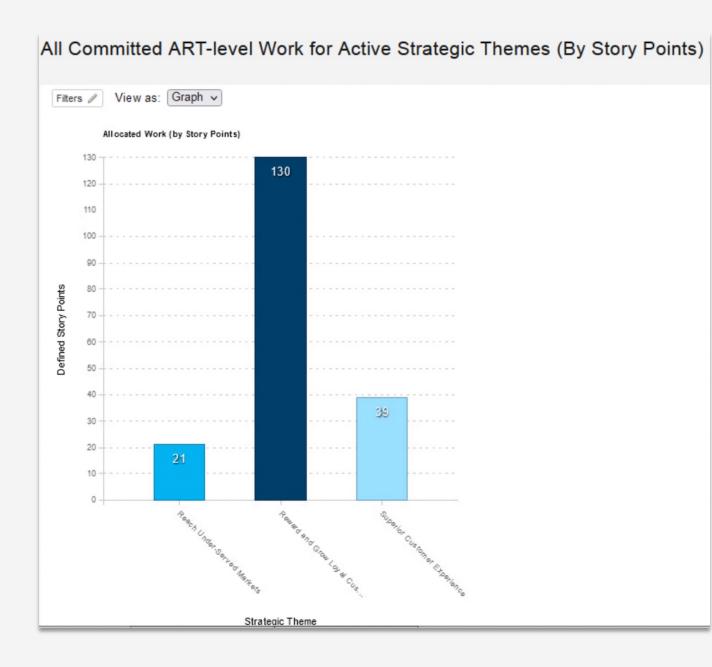
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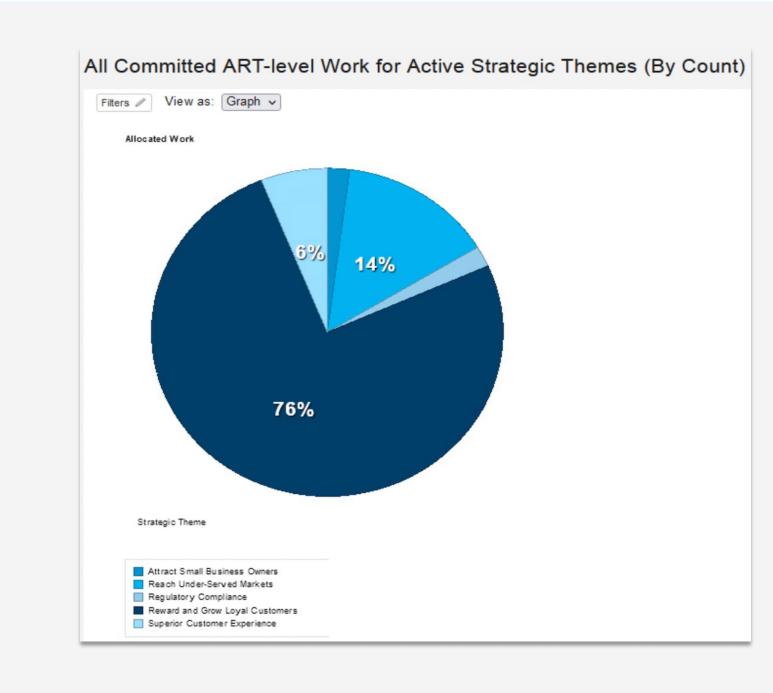


Align Portfolio to Strategic Themes

Provide business context for portfolio strategy and decision-making, representing aspects of the enterprise's strategic intent, through associations to related Organizations (Value Stream, Solution Train, or ART) and tracked Objectives at various levels of the organization.

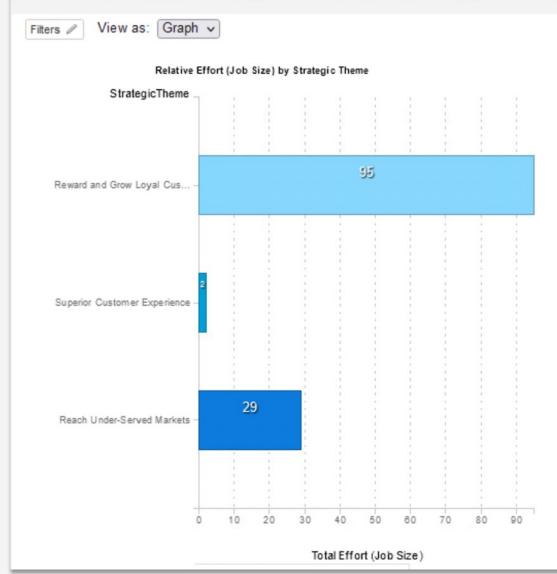
Strategic Themes								
Summary	Owned By	Status	Planned For	Value to Customer	Impact on Business	Impact on Competition	Tracks	Related
Reach Under-Served Markets	🔒 Paul	Approved	IKE Roadmap	60% - Moderate	20% - Very Low	40% - Low	🔊 660: Achieve rev	E Links (3):
Buperior Customer Experience	🔓 Rebecca	Approved	JKE Roadmap	40% - Low	20% - Very Low	20% - Very Low	🔊 662: Increase cu	E Links (3):
Reward and Grow Loyal Customers	🔒 Paul	Approved	IKE Roadmap	60% - Moderate	60% - Moderate	20% - Very Low	Enks (2): 1, 2	E Links (4):
Regulatory Compliance	🔒 Bob	Approved	JKE Roadmap	80% - High	20% - Very Low	20% - Very Low	E	🧮 644: JKE I

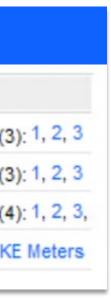




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Relative Effort by Strategic Theme (Features) [PORTFOLIO SAFe]





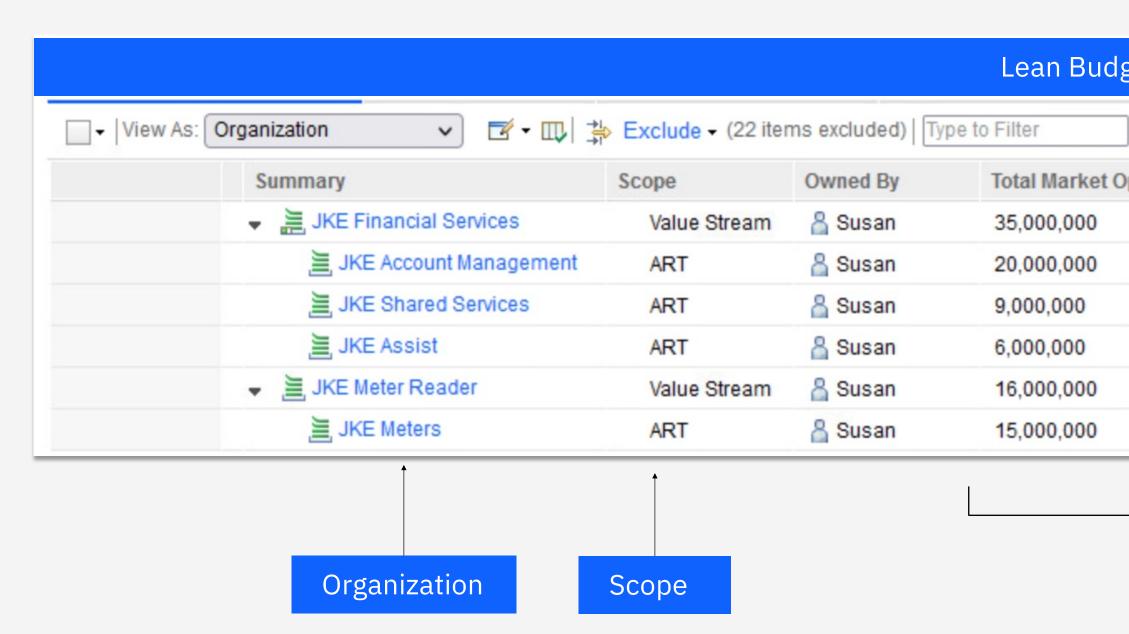


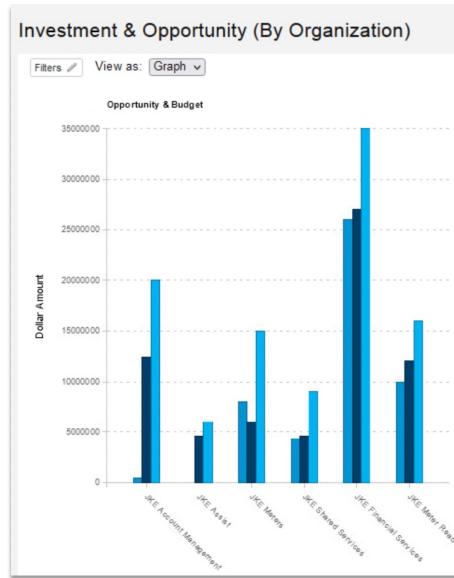


Establish Lean Budgeting

Adopt a financial governance approach that funds value streams instead of projects, accelerating value delivery and reducing the overhead and costs associated with traditional project cost accounting.

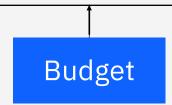
View the Total Market Opportunity as well as the budgeted and allocated investment (when specified) for each Organization in the Portfolio with details that include the budgeted and allocated capacity based on the investment and its alignment by Strategic Themes.





Lean Budgeting for Organization

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Allocated Capacity	Allocated Investment	Budgeted Capacity	Budgeted Investment	Related	Imple	
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70	423,466	730,066	12,400,000	E Links (4): 1		
10	4,324,366	273,455	4,600,000	E Links (4): 1	-	
5	24,343	2,785,656	4,600,000	E Links (4): 1	-	
10	10,000,000	10	12,000,000	E	-	
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	85 70 10 5 10	85 26,000,000 70 423,466 10 4,324,366 5 24,343 10 10,000,000	85 26,000,000 100 70 423,466 730,066 10 4,324,366 273,455 5 24,343 2,785,656 10 10,000,000 10	Allocated Capacity Allocated Investment Budgeted Capacity Budgeted Investment 85 26,000,000 100 27,000,000 70 423,466 730,066 12,400,000 10 4,324,366 273,455 4,600,000 5 24,343 2,785,656 4,600,000 10 10,000,000 10 12,000,000	Allocated Capacity Allocated Investment Budgeted Capacity Budgeted Investment Related 85 26,000,000 100 27,000,000 100 26,000,000 100 10,000,000	



Strategic Themes



Updated Enterprise Agile Report Packages

New SAFe Reports to support Strategic Themes and OKRs

New SAFe 6.0 Reports:

- Investment & Opportunity (By Organization)
- Key Results (By OKR)
- OKR Measure (By Team, By % Achieved value)
- OKR Measure (By Team, By Count)
- OKR Score (By Achieved Value)
- KR Score (By Count)
- OKR Summary (By PI)
- OKR Summary (By Team)
- Strategic Alignment Summary

New Enterprise Scaled Agile Reports:

- Average Days in State (By Work Item Type)
- Flow Distribution
- Flow Efficiency (By Team, By Work Item Type)
- Flow Efficiency (By Work Item)
- Flow Load
- Flow Time
- Flow Velocity

Updated SAFe Reports to support new SAFe data model

- All Committed ART-level Work for Active Strategic Themes (By Count)
- All Committed ART-level Work for Active Strategic Themes (By Story Points)
- All Committed Team-level Work for Active Strategic Themes
- All Committed Team-level Work for Active Strategic Themes (By Count
- Planned ART Roadmap with Value (By Team, By PI)
- Planned Portfolio Roadmap (By ART PI) [PORTFOLIO SAFe]
- Planned Portfolio Roadmap (By ART) [PORTFOLIO SAFe]
- Proposed ART Roadmap (By Team, By PI)
- Proposed Portfolio Roadmap (By ART PI) [PORTFOLIO SAFe]
- Proposed Portfolio Roadmap (By ART) [PORTFOLIO SAFe]
- Proposed Portfolio Roadmap (By Solution Train PI)
- Proposed Portfolio Roadmap (By Solution Train)
- Proposed Solution Train Roadmap (By ART)
- Relative Effort By Strategic Alignment (Capabilities)
- Relative Effort By Strategic Alignment (Features)

Deprecations & Updates to tags

Deprecated SAFe Reports:

- Program Budgeted Report Use SAFe 6.0 report Investment & Opportunity (By Organization)
- Solution (Value Stream) Investment & Opportunity - Use SAFe 6.0 report Investment & Opportunity (By Organization)

Changed Tags:

- PI burndown chart (weeks in PI) [DB2 Advanced SQL to Enterprise Agile Report]
- PI burnup chart (weeks in PI) [DB2 Advanced SQL to Enterprise Agile Report]
- Planned Features without associated Epic [PORTFOLIO safe] (Enterprise Agile Report to SAFe 6.0)

Updated SAFe reports to support terminology changes in SAFe 6.0

Updated report names, descriptions, and conditions of all existing reports to support new naming guidance as per SAFe 6.0.

The following terminology was used to replace:

- Program Increment with Planning Interval
- Solution with Solution Train
- Program with ART
- Solution Epic with Solution Train Epic
- Program Epic with ART Epic







Updated Documentation

We updated our guidance to help you make your SAFe 6.0 adoption in ELM easier and more successful

How-to-use-the-SAFe-6.0-templates-in-ELM

Step-by-step guidance to configure tooling environment for SAFe Portfolio, Large Solution, Portfolio or Essential SAFe 6.0 configuration in ELM 7.0.2 using SAFe 6.0 templates.

Configuring SAFe 6.0 in existing ELM projects

Step-by-step guidance to configure a SAFe V6.0 tooling environment by customizing an existing ELM project area.

Enterprise Scaled Agile **Reporting Guidelines**

List of reports available for your scaled agile tooling environment, how to import them into your environment, and the best practices for deploying the reports as widgets on your ELM dashboard(s).

Enterprise Scaled Agile Domain Models

Set of domain models for our support of SAFe 6.0 to better understand how the reports access the data and links across a system and define your own domain models that dictate how the reports may need to be altered for your specific environment.









Thank you

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