StiboSystems

MDM Release 9.0 Highlights

June 2018

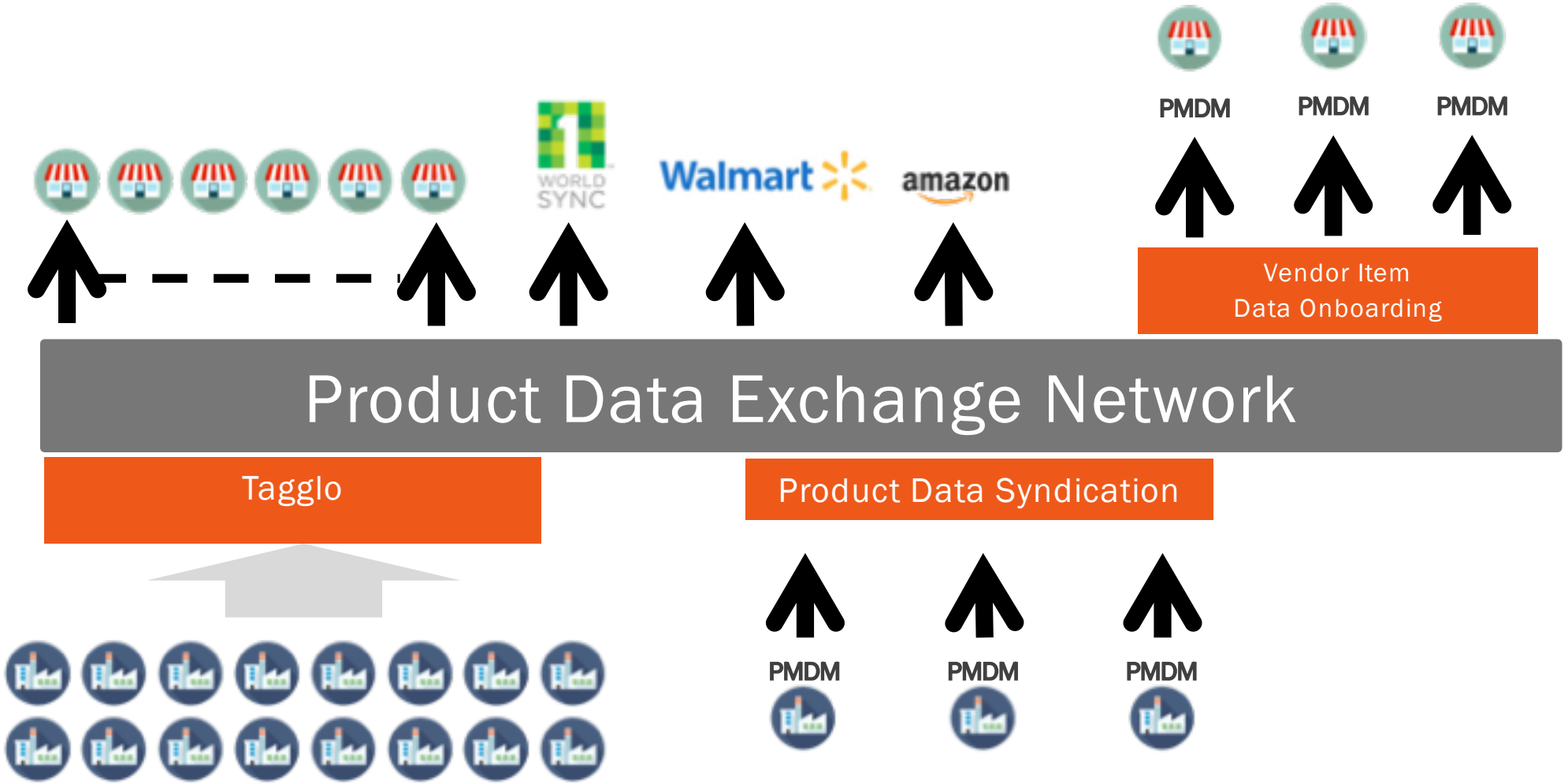
Confidential

Product MDM 9.0 Highlights

Product MDM Release 9.0 Highlights

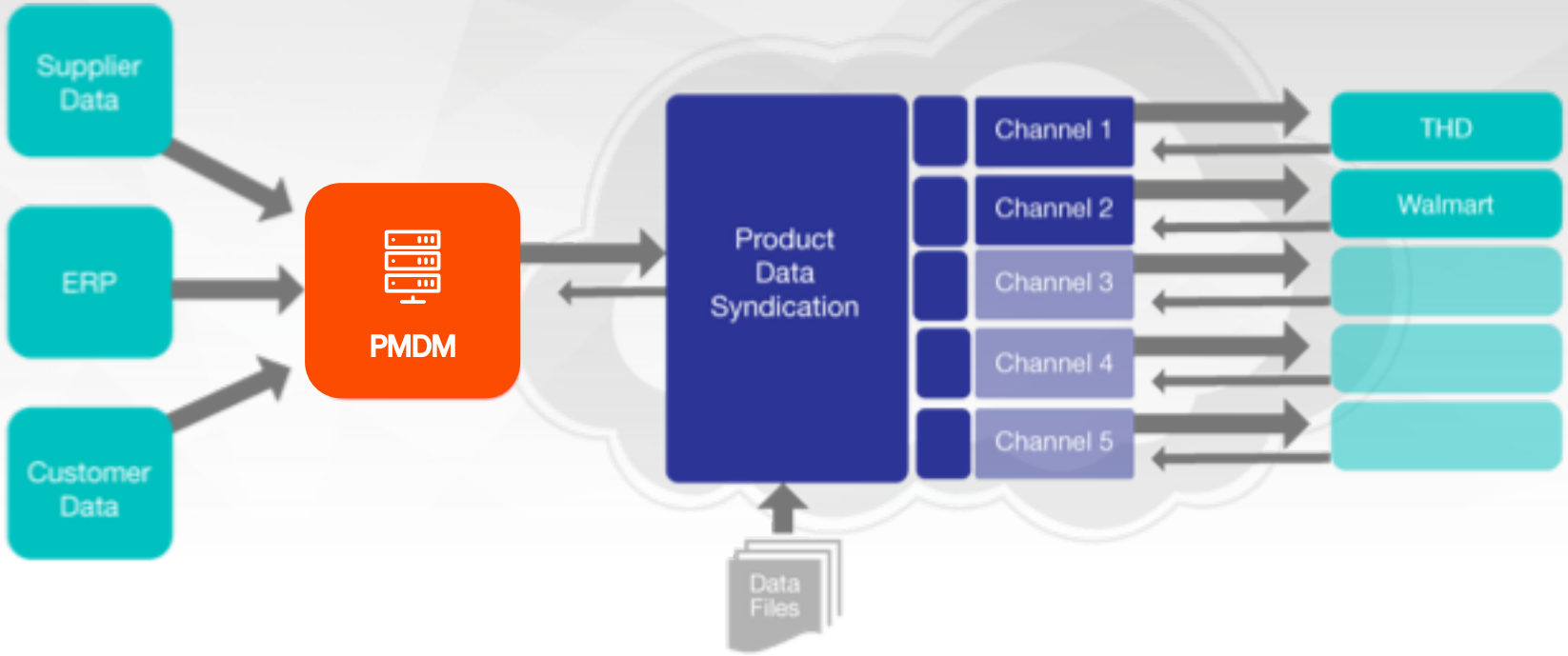
- Product Data Syndication Platform
- GDSN Publisher & Receiver Solution
- Translation Service Integration
- Composite Attributes
- Industry Standards Update
- User Experience, Data Governance, Workflows
- Improved Image & Asset Management
- Guided Data Entry
- Print Publishing
- Data Exchange and 3rd Party Tool Integration
- Automotive

Product Data Exchange Network



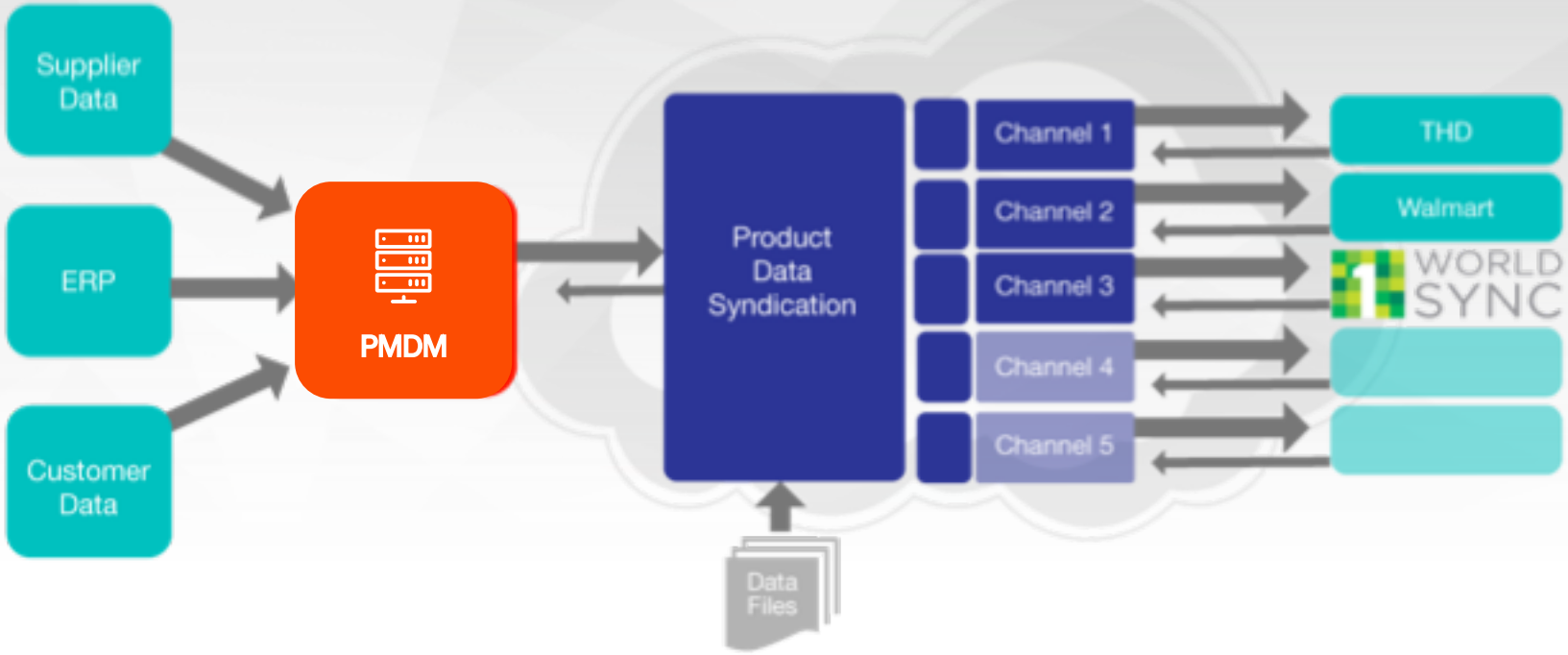
Product Data Syndication Platform

- Deliver Product MDM master data to all stakeholders, in support of various business initiatives
- Gather data governance feedback and report back for MDM Governance
- Product data stewards can see channel publication status in the Web UI
- Leverage increased channel support for additional channels as you move forward



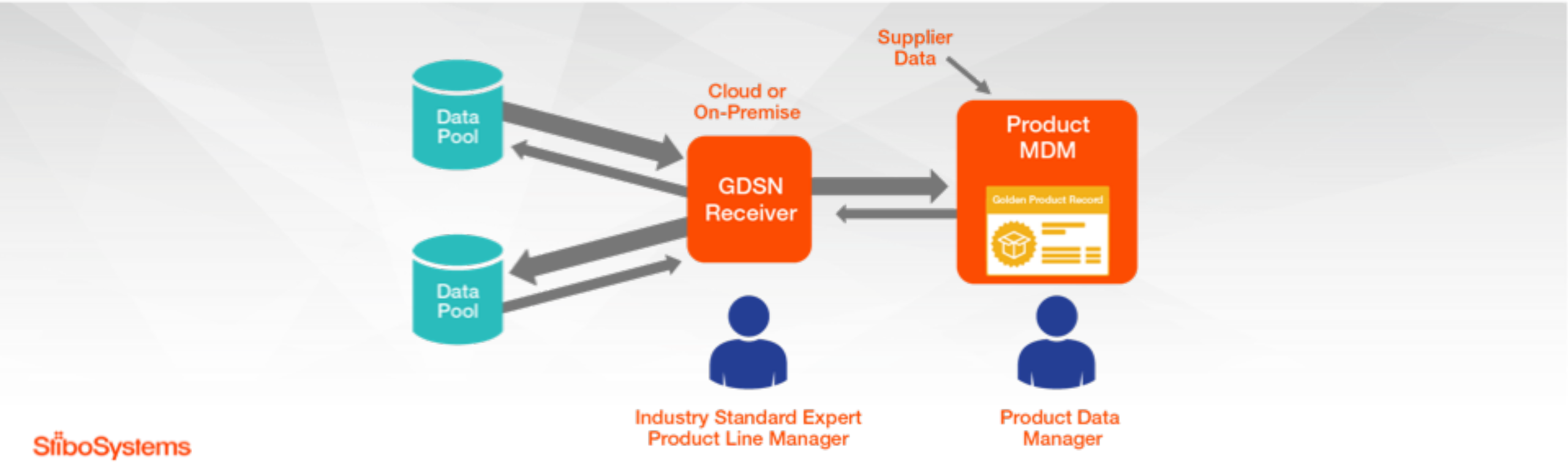
GDSN Publisher Solution

- Publish directly to 1WS GDSN Data Pools through the Product Data Syndication Engine
- Manage item registration and publishing status quickly and efficiently
- Map information from Product MDM Data Models directly to GDSN Data Standards
- Adopt data standard changes by managed service framework



GDSN Receiver Solution

- Golden record enhancement for buy-side / sell-side configuration
- Efficiently manage complex industry standard data structures
- Use one technology, with separation of data models, responsibilities and workload
- API enabled message orchestration
- Meets necessary and typical retail requirements for role based product line and product data management



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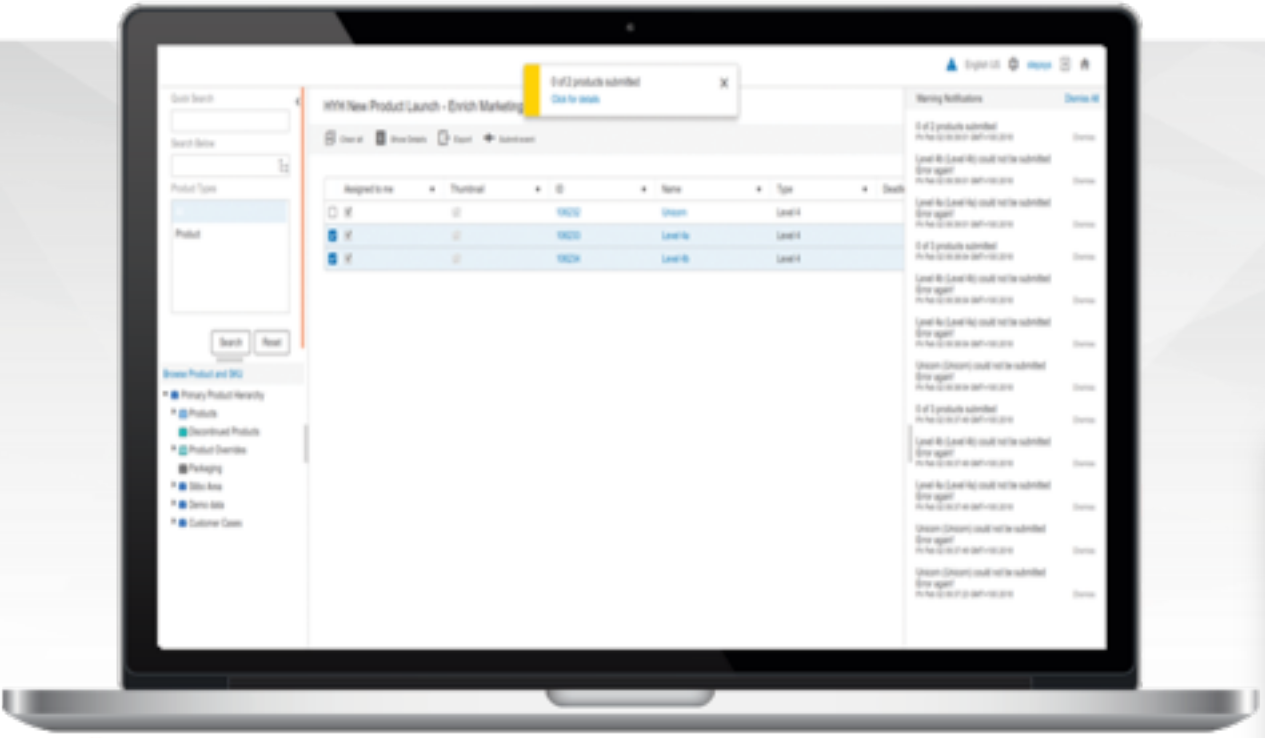
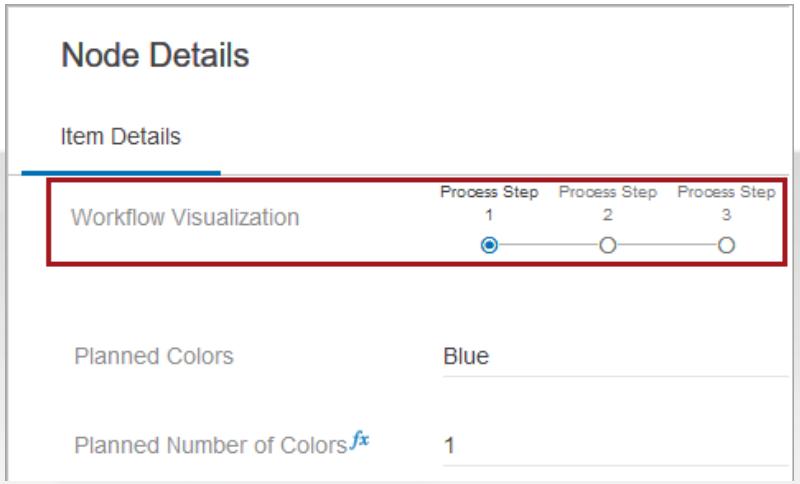
Translation Service Integration

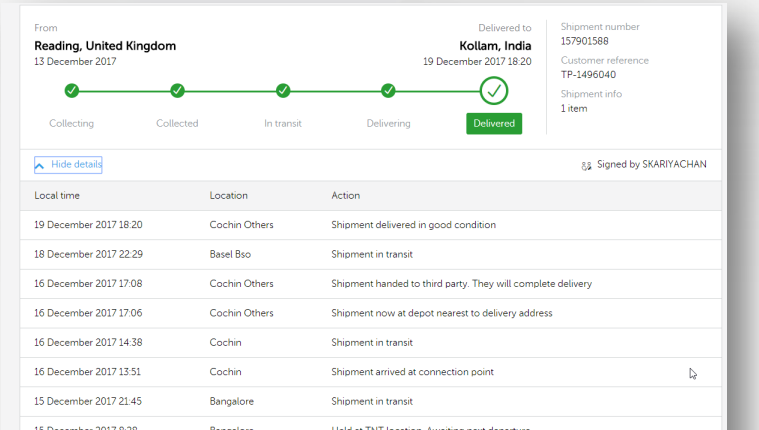
- Reach and engage audiences worldwide across multiple channel languages
- Enable high-quality translation with Lionbridge Translation Services through ClayTablet™ integration

User Experience, Data Governance & Workflow

- Improved Error Messaging and Error Handling in the Web UI
- Workflow Visualization for improved item tracking in workflows (“Where is my item?”)
- Enhanced Web UI Styling, icon fonts, and more







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Composite Attributes for Products

- Efficient Data Capture for Manufacturing Industries
- Non-typed data
- Technical Specification Tables
- Data Syndication Platform Channel Status

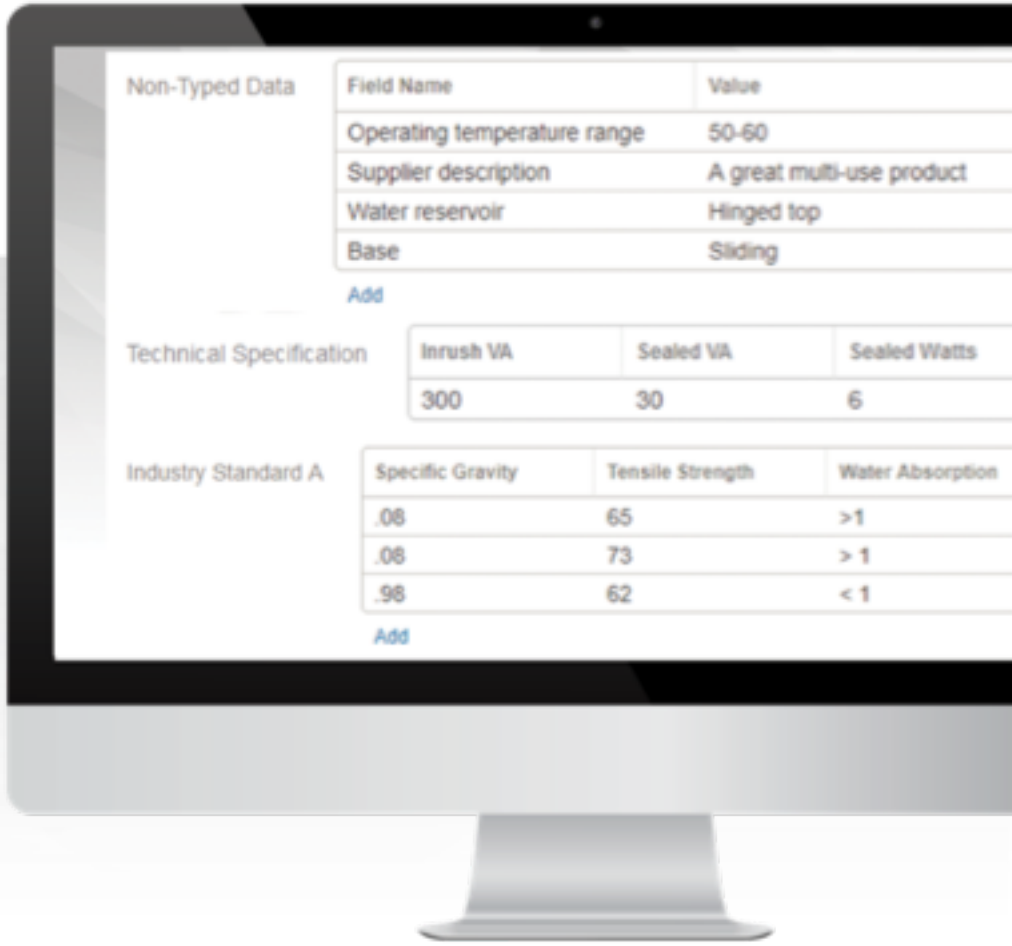
Class 8502 Type WF Vacuum Contactor

Electrical Ratings

Characteristic	Size 4	Size 5	Size 6
Maximum Motor HP at:			
200 V	40	75	150
230 V	50	100	200
380 V	75	150	300
460 V	100	200	400
575 V	100	200	400
3 Phase Capacitor Switching – KVAR			
230 V	40	80	160
460 V	80	160	320
575 V	100	200	400
Transformer Switching – KVA 3 Phase, 3-Pole			
240 V	23	47	94
480 V	47	94	188
600 V	59	117	234
Coil Data			
Inrush VA	300	600	1450
Sealed VA	30	20	32
Sealed Watts	6	20	30
Pick-up Volts	70% of rated coil voltage		
Drop-out Volts	50% of rated coil voltage		
Pick-up Time (ms)	18-22	24-32	24-32
Drop-out Time (ms)	90-120	96-100	96-100

DAILEY FEEDING RECOMENDATATION FOR ADULT DOG - 1.5% (weight loss)

Dog's Weight	Oz to Feed	Cups *	Nuggets**	Patties
5	1.2	0.29	6 - 8	0.15
10	2.4	0.59	12 - 16	0.3
15	3.6	0.88	18 - 24	0.45
20	4.8	1.17	24 - 32	0.6
25	6.0	1.46	30 - 40	0.75
30	7.2	1.76	36 - 48	0.9
35	8.4	2.05	42 - 56	1.05
40	9.6	2.34	48 - 64	1.2
50	12.0	2.93	60 80	1.5
60	14.4	3.51	72 96	1.8
70	16.8	4.10	84 112	2.1
80	19.2	4.68	96 128	2.4
90	21.6	5.27	108 144	2.7
100	24.0	5.85	120 160	3



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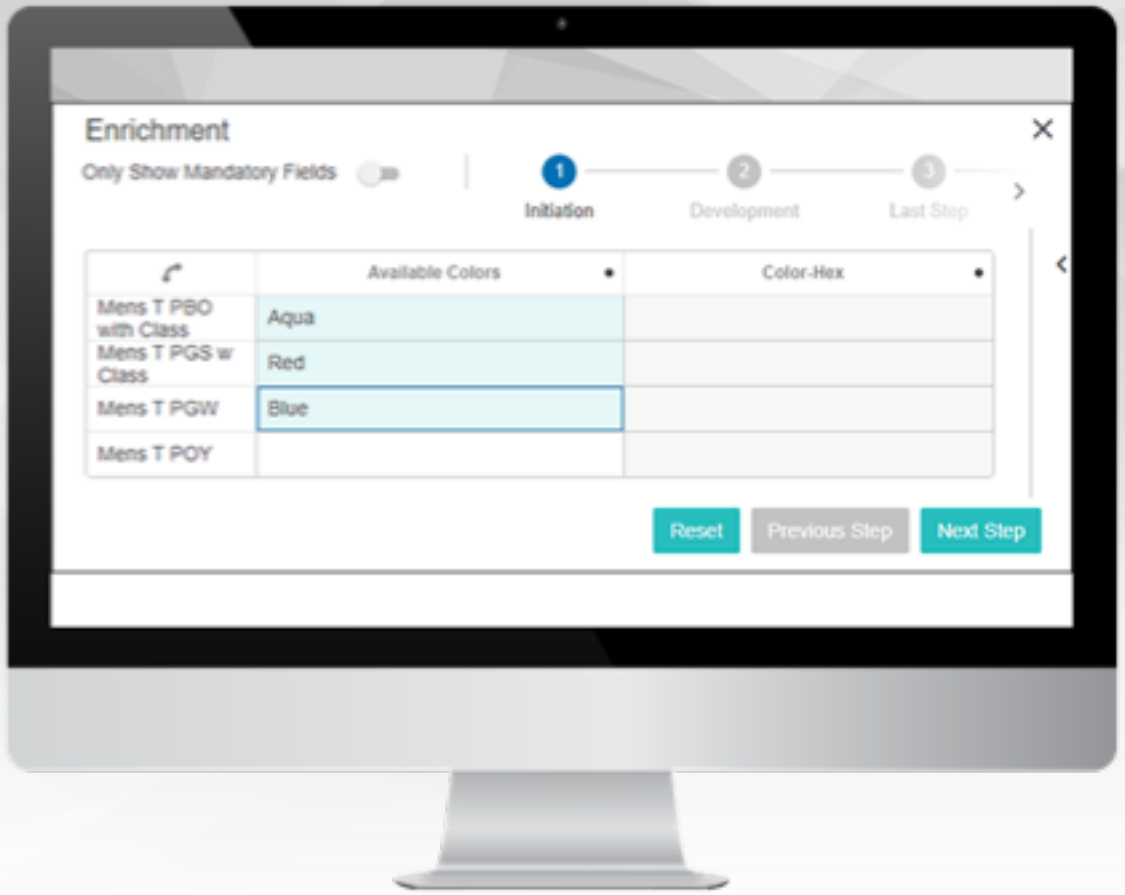
Guided Data Entry

- Easily set up products with step-by-step instructions via a wizard
- Quickly break down data maintenance tasks into more manageable steps



Industry Standards Update

- Improved user experience for ETIM in Web UI for easier ETIM data maintenance
- Easy configuration of BMECat export
- Cross context exports for BMECat 2005 plugin
- Data Model alignment across ETIM versions

ETIM International

3ME

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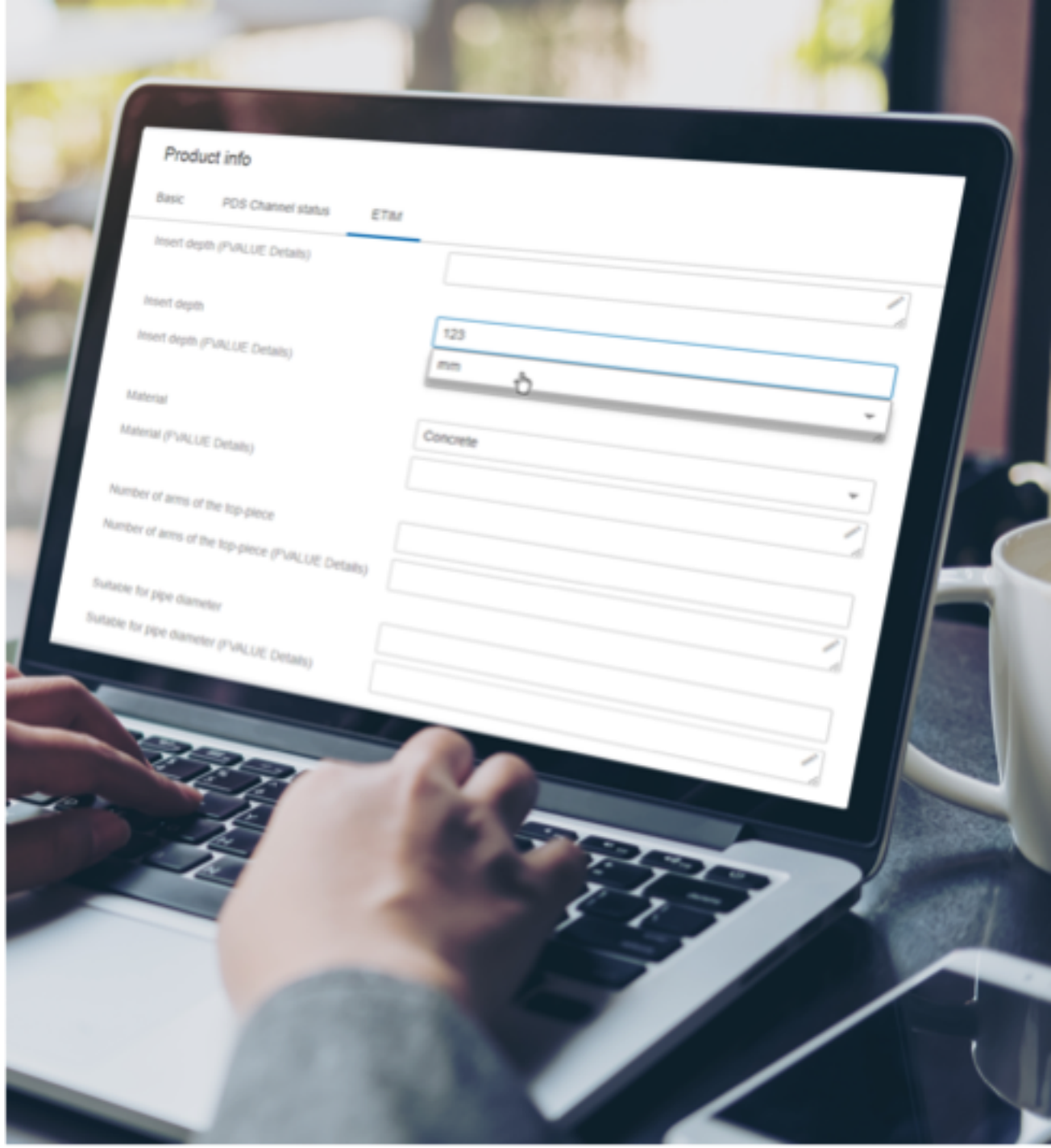
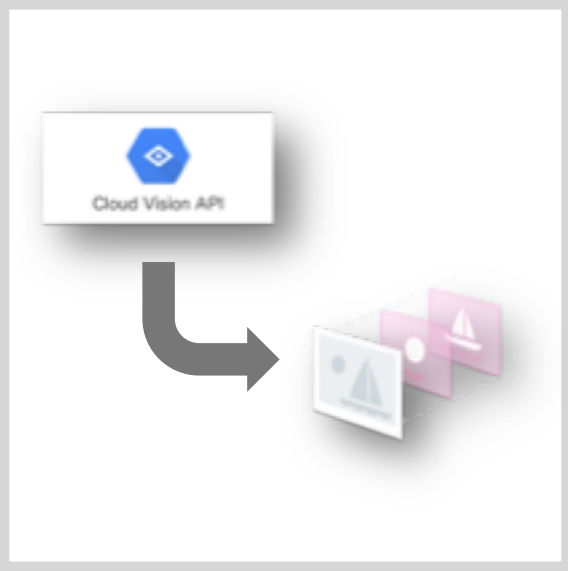
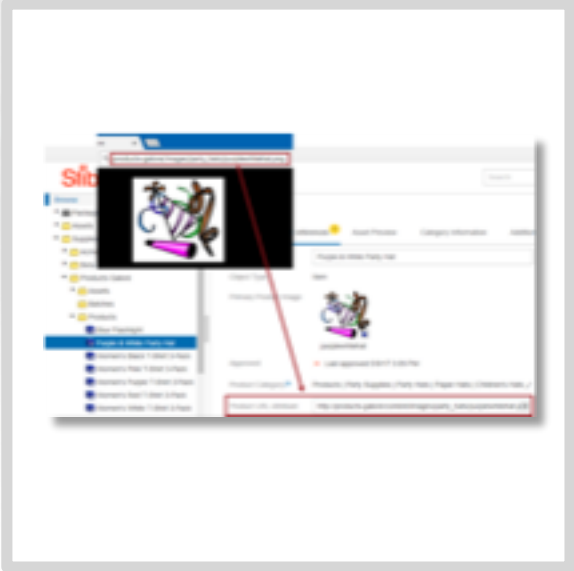
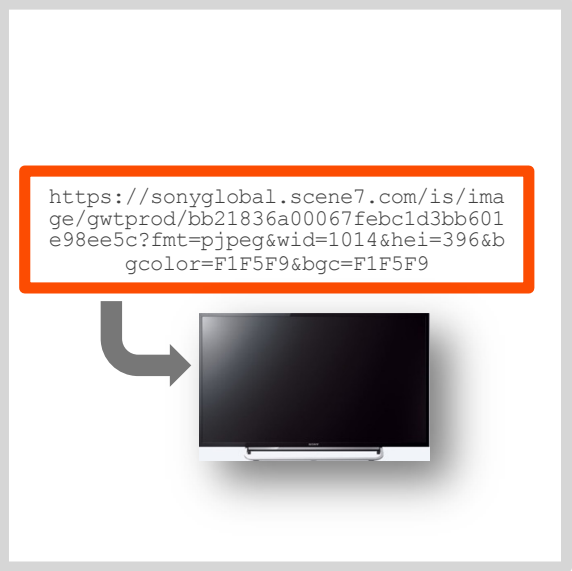


Improved Image & Asset Management

- Improved supplier asset onboarding via supplier fed asset URLs
- Improved image and asset upload widget in the Web UI
- Cloud service integration for image metadata extraction







Print Publishing

- Enable publishing experts to search and find product instances

- Empowered table transformation capabilities
  - Unique units in header rows
  - Enhanced row/column suppression rules
  - Merge row/column rules
  - Header/footer handling
  - Formatting options on merged row/columns

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Data Exchange and 3rd Party Tool Integration

- Completing the Amazon SQS Story by delivering S3 enabled solutions for end-to-end integration with Amazon Queing System
- FAB-DIS export option (ETIM & Media Tabs)
- Recertification of MDM 9.0 for SAP Integration via SAP process integrator

Automotive

- Support for country specific compliance regulations
- OE and competitor parts management and analysis
- Improved coverage report for finding missing applications for parts
- Data onboarding area for automotive retail

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Competitor

Coverage Report

OE

Customer MDM 9.0 Highlights

9.0 Release Customer MDM Highlights

Data Governance – Data Quality Policies: Manage, Monitor and Enforce

User Experience:

Task List Filtering & Prioritization

Improved, Configurable Data Matching

Enhanced Postal Address Formatting and Display

Data Governance – Data Quality Policies: Manage, Monitor & Enforce

Proactively monitor, control and maintain customer data by defining data quality policies which are monitored and enforced by CMDM

- Build policies to ensure data completeness, uniqueness, accuracy and more
- Monitor master data within CMDM as well as inbound data from source systems empowering operational monitoring
- Define KPI thresholds and customized scoring models
- Monitor and enforce policies through KPI's and notifications to improve data quality and boost effectiveness
- Quickly monitor and manage data quality KPIs using visual dashboards and reporting

- **Ensure customer data is actionable**
- **Adhere to regulatory compliance**
- **Empower improved information stewardship and governance**
- **Sustain the level of data quality and effectiveness to meet business expectations**

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Data Quality Policies – Data Quality Dimensions

Is the data verified, accurate and up to date?

Uniqueness of the record. Do duplicate records exist?

What data is missing or unusable.

Is all necessary data present / missing?

The degree to which data represents reality from a required point in time. Is data available at the time needed?

Define and track data quality dimensions to measure and assess the quality of your data

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Data Quality Operations

Tasks

Policies

Tree

Current breaches

1

Daily breaches over 30 days

Longest breaches over 30 days

12d Address Completion on Loyal Customers in Denmark from Salesforce Systems

8d Record Uniqueness on Mongolia

6d Address Accuracy on Sweden

4d Address Completion on Customers: Belarus

Sort by Last Edited

Filter

Create Policy

2.5 Email Accuracy on Subscribers: Denmark
Group: Data Stewards Denmark • Last edit: 23-12-17 09:44

8.8 Delivery Address Completion on Customers: Northern Germany
Group: Data Stewards Denmark • Last edit: 23-12-17 09:44

Address Completion on Suppliers: Belarus
Group: Data Stewards Belarus • Last edit: 23.12.17

6.1 Address Completion on Customers: Belarus
Group: Data Stewards Belarus • Last edit: 23.12.17

3.2 Address Completion on Loyal Customers in Denmark from Salesforce Systems
Group: Data Stewards Denmark • Last edit: 23.12.17

4.3 Record Uniqueness on Mongolia
Group: Data Stewards Mongolia • Last edit: 23.12.17

Phone Completion on Customers: Denmark
Group: Data Stewards Denmark • Last edit: 23-12-17 09:44

8.1 Phone Accuracy on Customers: Belgium
Group: Data Stewards Belgium • Last edit: 23.12.17

Create, manage and monitor data governance policies from a central location

Monitor existing data within CMDM or inbound data from source systems

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Data Quality Operations

Tasks

Policies

Tree

Address Completion on Customers: Germany POLICY • ID: 1234566

Last run: 02-01-18 23:00 • Group: Data Stewards Germany • Last edit: 05-02-18

Subscribe me | Email me on threshold breach | Email me on deviations | Edit Policy

Current Score

4.3

Broken threshold: 4.5

Deviation: 24 Hours

-0.8%

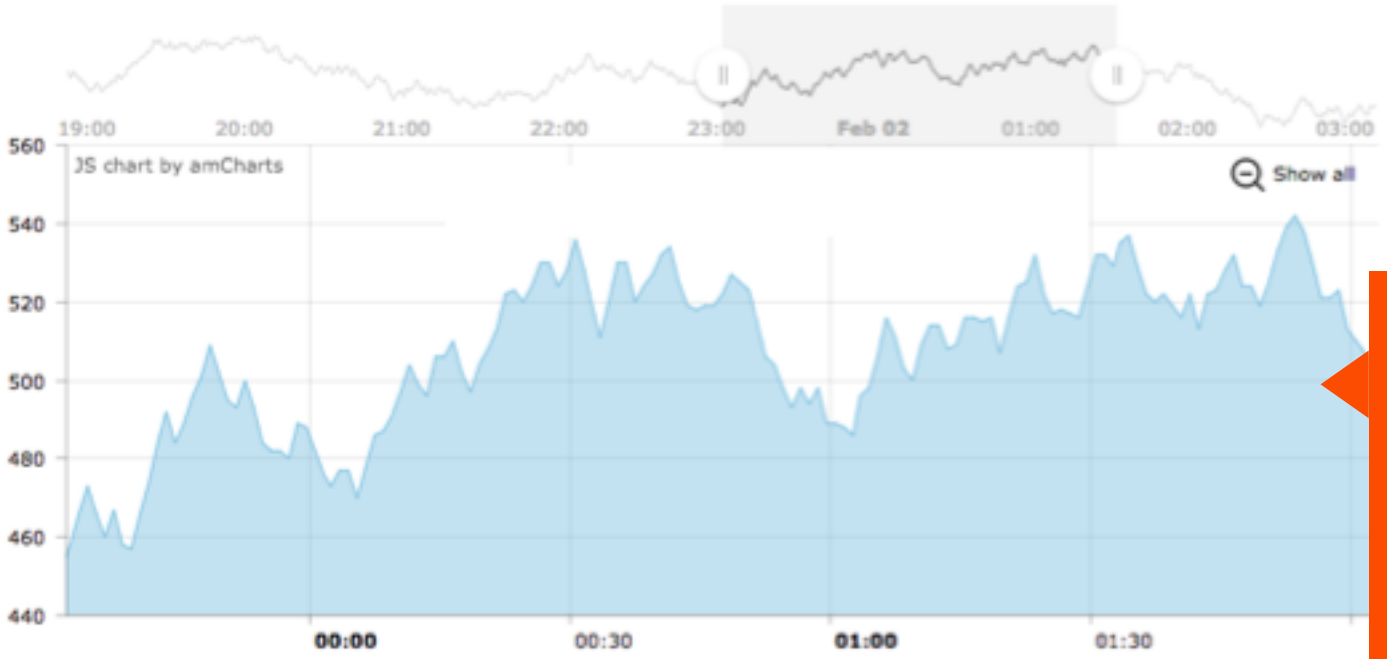
Threshold: 0.5

Tendency: 30 Days

+1.7%

What is tendency?

Policy Score History



Event History

Threshold changed: Breach
05-02-18 • 08:45

Dataset updated
02-02-18 • 15:06

Notification sent: Deviation
31-12-18 • 23:04

27-12-17 • 15:03

Threshold changed: Breach
27-12-17 • 15:03

Policy created

Proactively drive data stewardship and governance by defining data quality policies which are monitored and enforced by CMDM

Task List Prioritization and Filtering

Customer MDM proactively guides users to focus efforts to drive business value and boost productivity

- Flexibility to define high priority tasks based on your organizational business needs
- Data stewards are intuitively guided to high priority tasks – focusing attention when and where it is needed most
- Automatic notifications of high priority tasks
- Filter and display clerical review tasks by priority

- **Empower proactive approach to data stewardship activities**
- **Increase clarity to drive user performance and productivity**

Improved Postal Address Formatting and Display

Improve how addresses are display throughout Customer MDM

- New calculated functions to output formatted addresses
- Export formatted addresses to downstream business systems; single-line or multi-line
- Use independently or in combination with pre-built verification services powered by Loqate
- Automatically generate properly formatted addresses with the correct geographic context

- **Drive Web UI usability and consistency**
- **Boost effectiveness of downstream sales, service and marketing activities**

More Powerful, Configurable Data Matching

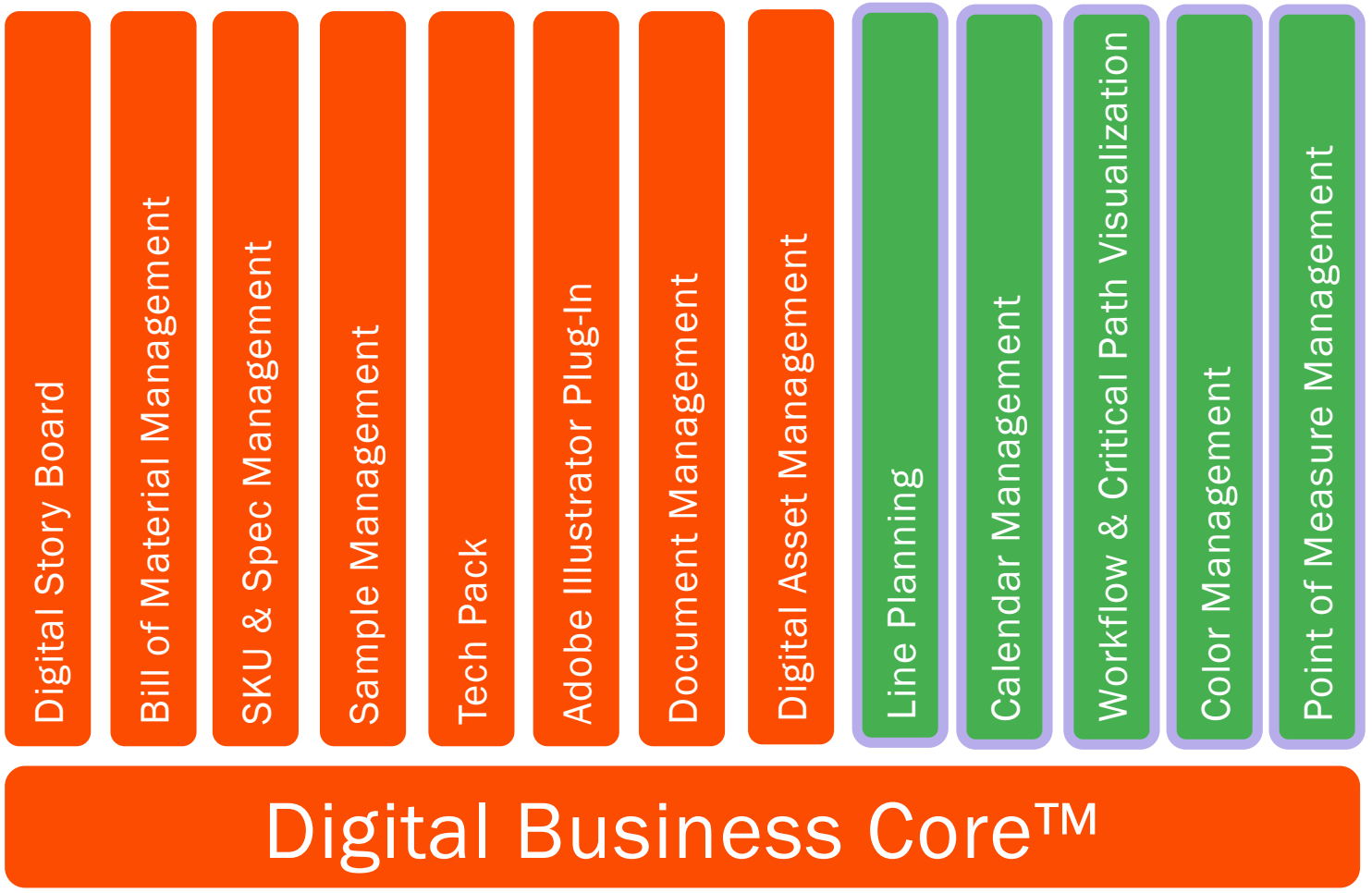
Drive quick time-to-value and improve Customer MDM implementation experience

- Support for a range of organization elements including name, legal variants and sub division/department
- Scalability and robustness of party data matching has been improved
- Pre-built organization name normalizer and matcher

- **Improve overall data quality throughout your enterprise**
- **Return more matches and reduce manual reviews**

PLM 9.0 Highlights

PLM Product Capabilities



PLM 9.0 Release Highlights

Merchandise Assortment & Line Planning

Calendar Management

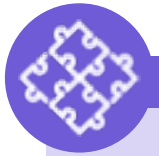
Workflow Visualizations

Bill of Materials (BOM) Management

Color Management

Cost Sheet

Raw Material



Specification Management

Point of Measure (POM)

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Merchandise Assortment & Line Planning

Enable merchandisers to have the right product mix at the right time

- Plan everything from business financials to product development
- Forecast budgets and financials
- Align designers with line plans by tracking planned colors and materials against the styles in the line
- Link storyboards to line plans and gain visibility to what materials are being used

- Increase Competitiveness
- Accelerate Speed to Market
- Improve Product Margins
- Expand product breath in category/brand and regions/channels

Merchandise Assortment & Line Planning

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Jan Sorensen Main English US

Men's Fall 2018

Business Category:	Apparel	Line Plan Year:	2018
Line Plan Start Date:	2018-04-01	Schedule Deadline:	2018-07-31
		Line Plan Season:	Fall
		Line Plan Status:	In Progress

Edit Line Plan

	Item Quantity	Item Unit	Cost	Revenue	Gross Margin %	Actions
	140 / 150	**1900 / 2000**	**7082.7**	**19927.4 / 25000**	**66.46 / 68**	
T-Shirts	85	1190	3491.1	10744.6	65.16	
Long Sleeve (2 styles)	45	750	2187.5	6725	64.57	
Short Sleeve (2 styles)	40	440	1303.6	4019.6	65.74	
Shorts	25	500	3390	8200	58.66	
Solid Color (1 styles)	25	500	3390	8200	58.66	
Socks	30	210	201.6	982.8	79.49	
Crew (1 styles)	30	210	201.6	982.8	79.49	

Add Category

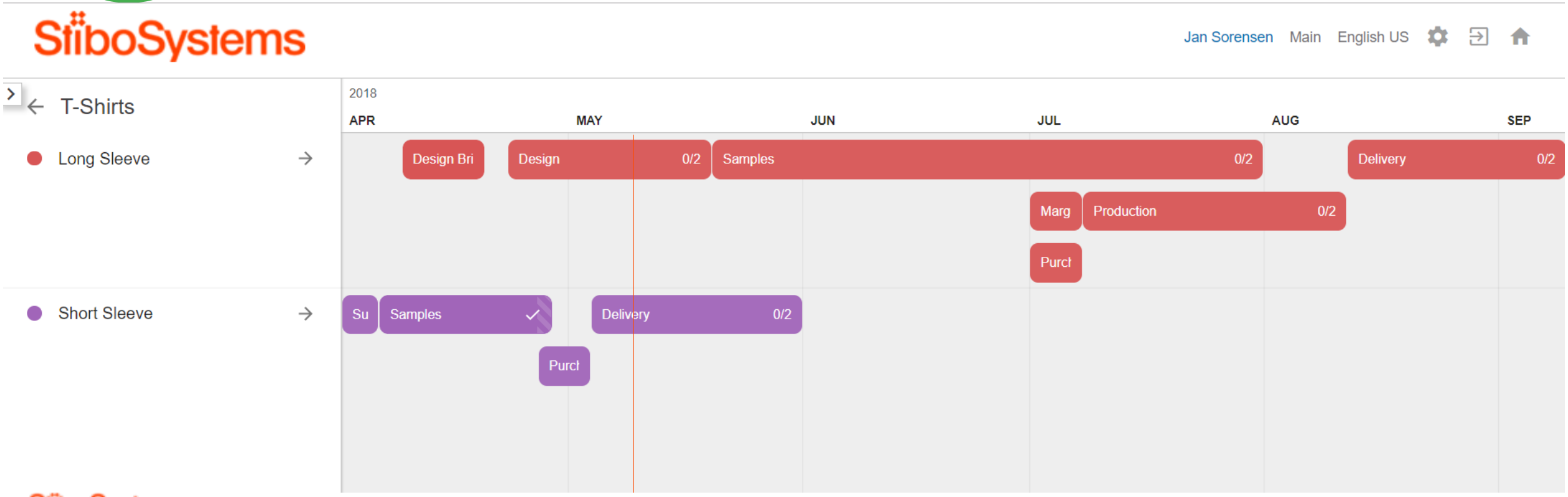
Calendar Management

Avoid missed deadlines and keep teams on track

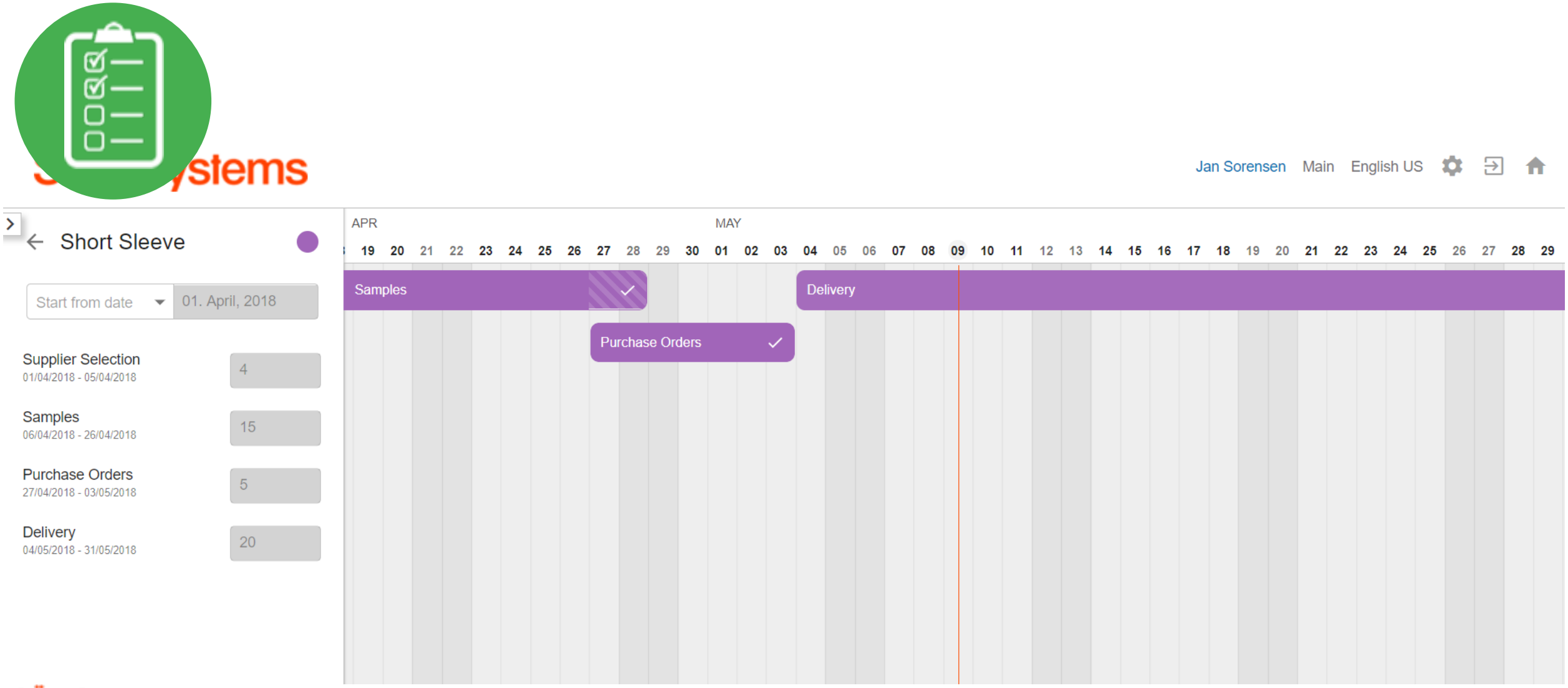
- Gain complete product development visibility across the enterprise, reducing redundancies, saving time and ensuring accountability
- Define beginning and end dates, owners, dependences, activities and critical paths
- Graphical calendar of milestones and tasks with visual indicators
- Create and execute line plans and schedules based on seasons or collections
- Create and maintain schedule of activities required to execute line plans

- **Accelerate Speed to Market**
- **Reduce Product Cost**
- **Increase Operational Efficiency**

Calendar Management



Calendar Management



Calendar Management

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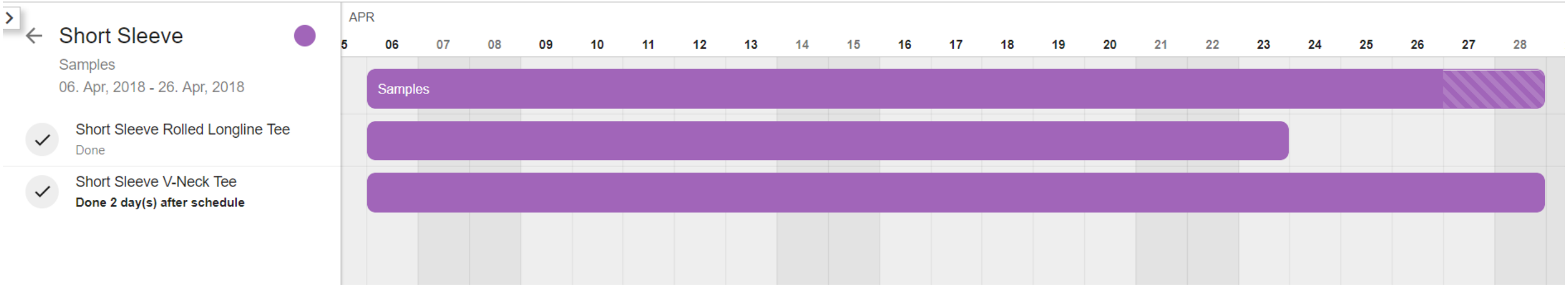

Workflow Visualizations

Easily get an overview of your work process

- Graphical representation of all product lifecycle processes
- Create a work process steps
- Group individual workflow stages into a work process step

- **Easily see status of product**
- **Identify issues faster**

Workflow Visualizations

- Data Stewards benefit from **a clear graphical view of the work process a product is part of.**

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Item Details

Workflow Visualization	Supplier Selection — Sample — Purchase Order — Delivery
Short Description	Rolled Longline Tee
Planned Colors	PINK ADOBE
	GREEN HEDGE
Planned Number of Colors	2
Planned Sizes	S
	M
	L

Bill of Materials (BOM) Management ENHANCED

Streamline your product development process from design, through supply chain and manufacturing

- Single, complete, and accurate structure of a product, its definition and information
- List of the components, parts, assemblies, quantities, and other information needed to manufacture an end product
- Raw material details with direction for gathering and using the required materials

Benefits

- Ensure On-Time Delivery and Quality
- Improve Supply Chain Agility

Bill of Materials (BOM) Management

SpirePLM

Summary | Colors | Samples | Cost Sheet | Board Images

Name	Style T2916 Blouse
Product Division	Apparel
Collection	Collection 3 2019
Season	Summer 2019
Product Category	Top
Gender	Womens
Product Sub Category	Blouse
Style Type	Shirt Style Blouse
Size Range	Misses
Size Master	XS - XL
Sample Size	M
Tech Designer	Jason Anatoly
Tech Pack Due Date	2018-05-25
Year	2018
Design Source	Internal
Estimated Cost	10.81
Need Sample	Proto Sample

Design Specification Primary Sketch

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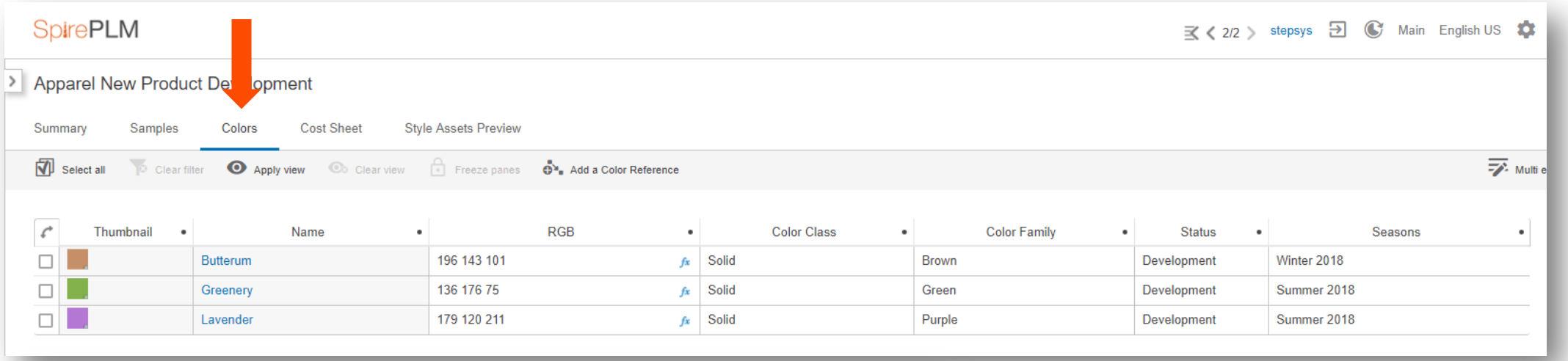
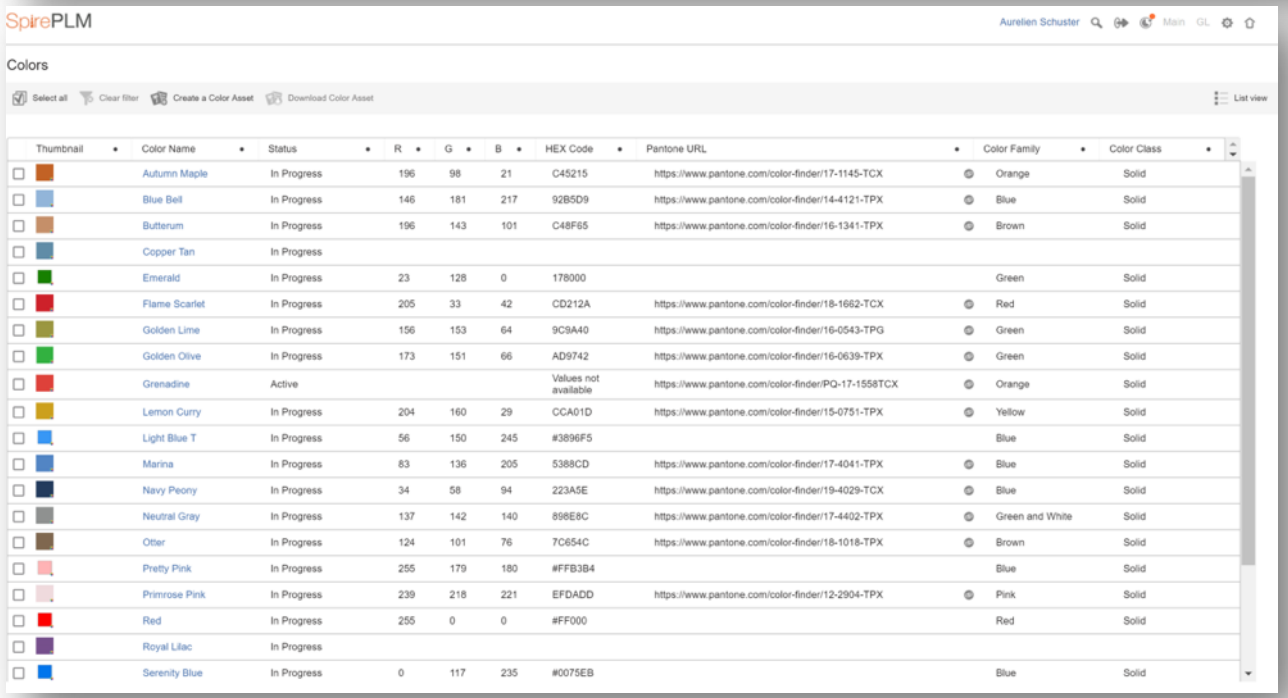
Bill of Materials (BOM) Management – Color Mgmt (New)





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Bill of Materials (BOM) Management – Cost Sheet (NEW)

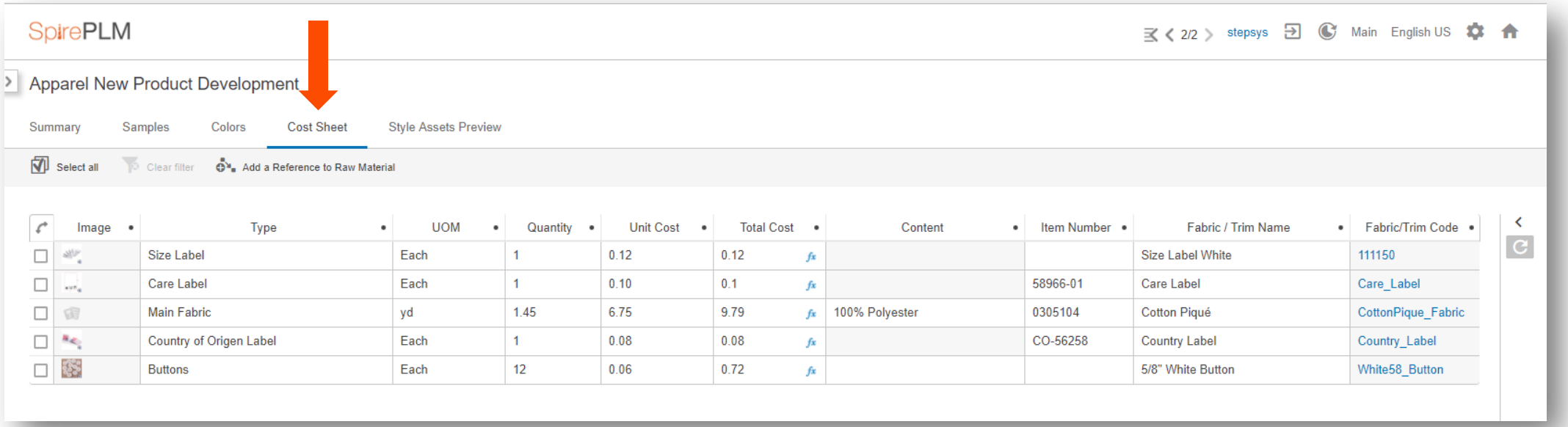

Image	Type	UOM	Quantity	Unit Cost	Total Cost	Content	Item Number	Fabric / Trim Name	Fabric/Trim Code
	Size Label	Each	1	0.12	0.12			Size Label White	111150
	Care Label	Each	1	0.10	0.1		58966-01	Care Label	Care_Label
	Main Fabric	yd	1.45	6.75	9.79	100% Polyester	0305104	Cotton Piqué	CottonPique_Fabric
	Country of Origen Label	Each	1	0.08	0.08		CO-56258	Country Label	Country_Label
	Buttons	Each	12	0.06	0.72			5/8" White Button	White58_Button

Bill of Materials (BOM) Management – Raw Materials (NEW)

Point of Measurements | Bill of Materials | Shipping and Receiving Information

Select all | Clear filter | Freeze panes | Add Reference

Image	Name	Quantity	UOM	Unit Cost	Unit Costs	Type
	Care Label	1	Each	0.15	0.15	Care Label
	Country Label	1	Each	0.23	0.23	Country of Origen Label
	Hot Pink Cotton Knit Pique	1.25	yd	7.83	9.79	Main Fabric
	5/8" Pink Button	3	Each	0.04	0.12	Buttons
	Size Label Pink	1	Each	0.23	0.23	Size Label

SpirePLM — Aurelien Schuster

Raw Material Details

Raw Material | References and Classifications | Referenced By

Item Number: 12586-01

Material Type: Buttons, CARE Label, Collar bone, CONTRAST1, Elastics, Interlining, MAIN Fabric, Pocketing Fabrics, Ribbons, Rivetes, SIZE Label, TAG Label, Thread, Zippers

Name*: African SC

Description: African

Edit in Rich Text

Brand: Andover

Usage: Scarf

Color: Orange

Color Family: Orange

Fabric Type: Alpaca fiber

Content: 100% Cotton

Pattern: Abstract

Weight: Lightweight

Width: 45"

Wrinkle: Yes

Washing Ins: Hand wash

Material % Strech: 0%

Country of Origin: United States of America (USA)

Testing Req: No, Yes, Clear

Season Created: Summer 2017

PLMRFAMaterialCreatedBy: ISSA

African_SC

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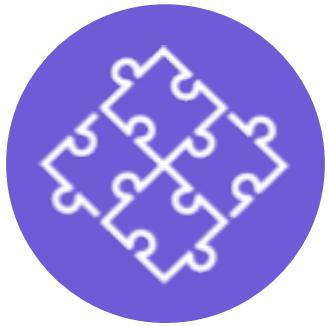
Specification Management ENHANCED



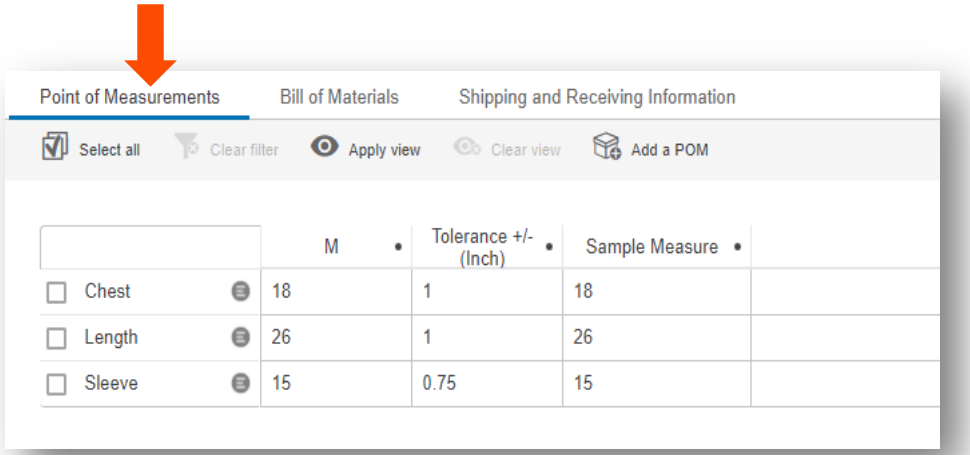
Aggregate and structure product information so you can manage, edit and share product histories with retailers, manufacturers and suppliers

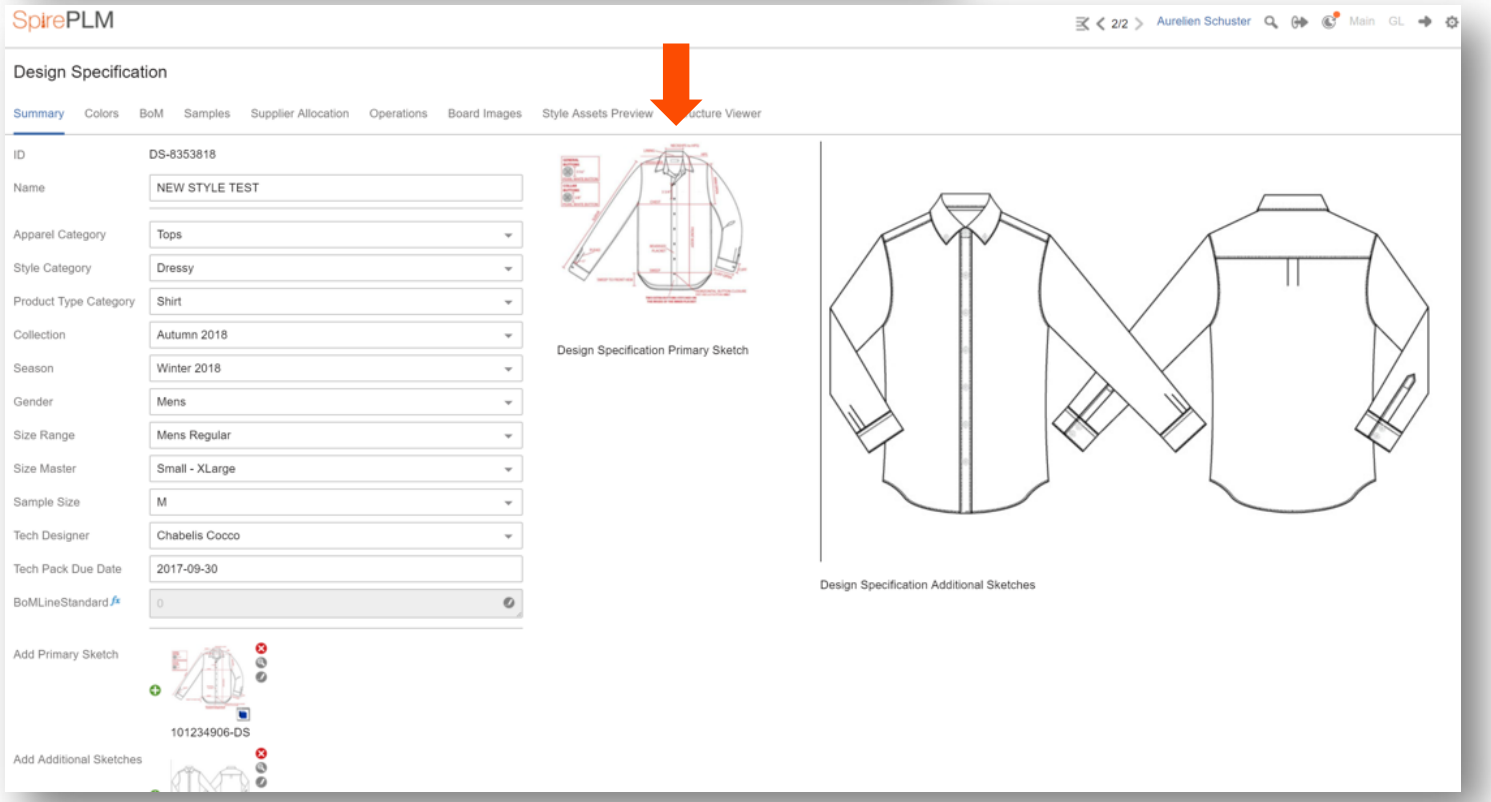
- Meet the unique requirements of your various product types
- Manage BOMs, image pages/sketches, and documents across all variants
- Streamline supplier collaboration
- Reduce sample cycle time and errors

Benefits

- Improve on-time delivery
- Control cost and quality
- Increase productivity
- Ensure compliance

Specification Management – Point of Measure (NEW)





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Platform 9.0 Highlights

9.0 Platform Release Highlights

In-Memory Improvements

Open Platform

Load Balancing

Authentication

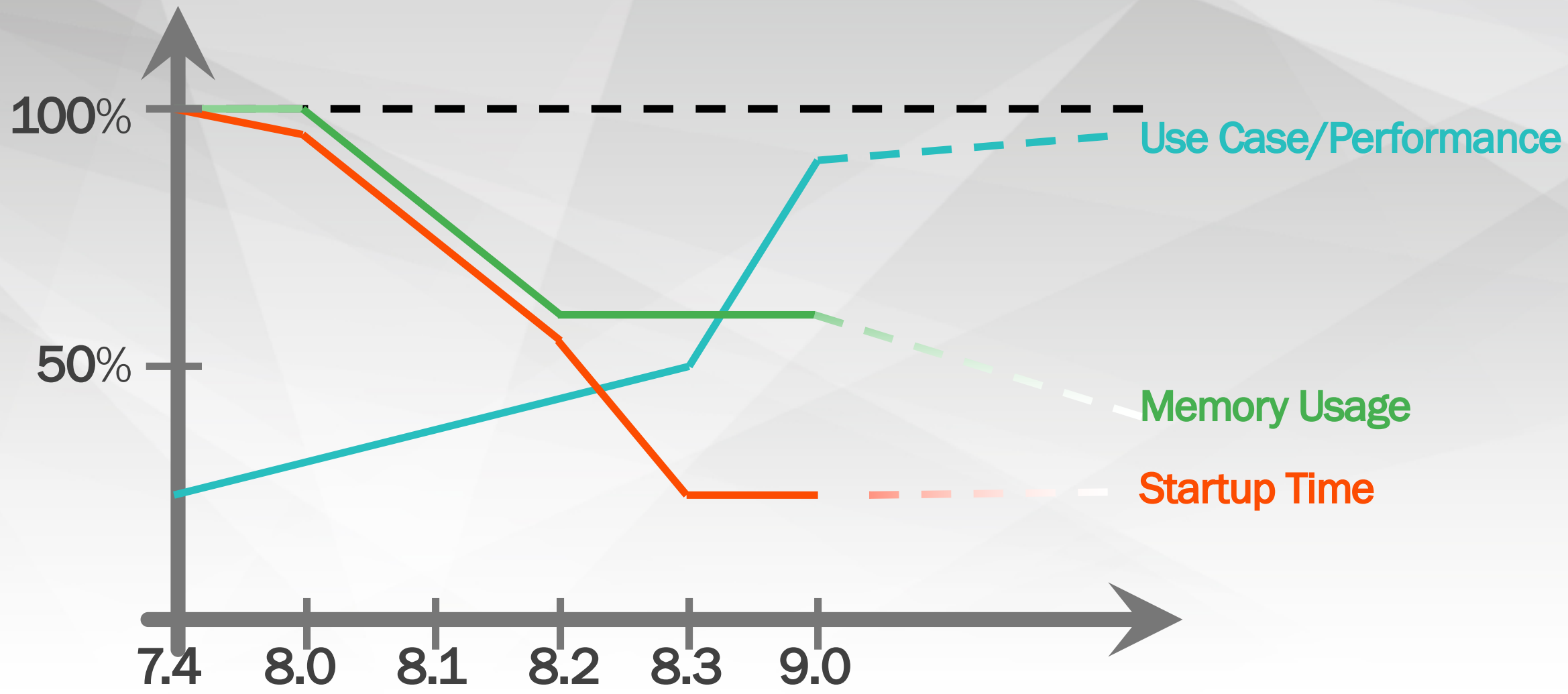
In-Memory Performance Improvements

Platform optimized for continuous improvement in exports, searches, LOV lookups and more

- Query API accelerated, including ability to run inside transactions and business rules
- LOV lookups and various other queries
- Next level of STEP Exporter optimization
- Searches optimized: inherited values, numeric, regular expressions, data containers and more

- **Overall platform performance, speed and efficiency improvements**

In-Memory Performance Evolution



Open Platform Improvements

Continued advancement of the STEP platform's openness and connectivity

- New JSON-based REST API (phase 1)
- Scripting API additions including improve query facilities
- JavaScript Business Rule improvements:
  Ability to test from JS plugin, line numbers, additional binding options, more logical binding ordering, improved exception handling
- Business Functions feature completeness:
  Support for more return types, ability to make parameters optional on the caller side

Comment from Stibo Customers:

"You'll never be able to build everything that all your customers need. So give us the ability to build it ourselves"

- so this it what we do, constantly improving openness and connectivity in each and every release of STEP.

Authentication – Enhanced Platform and Data Security

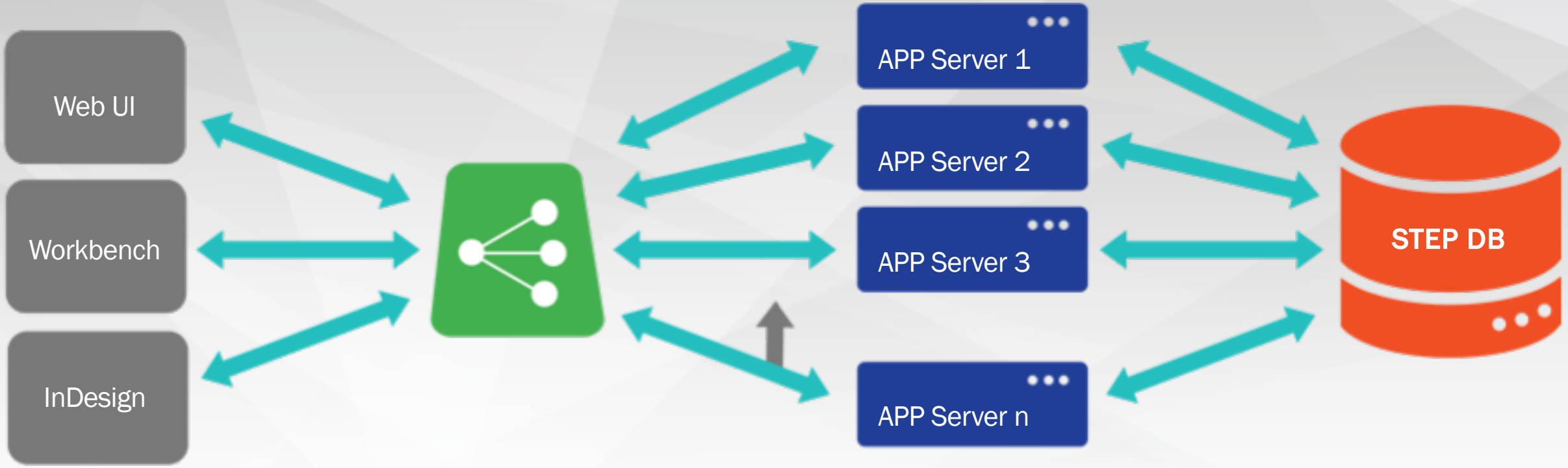
New default SAML implementation:

- Pre-release testing with specific customers to begin February 18, 2018
- Built on common customer use-cases gathered over last three years

Smartsheet support for Single Sign On:

- Token-based authentication
- Supports the STEP SSO implementations: Kerberos, Trusted Headers, SAML and Oauth (Google Implementation)

Load Balancer becomes part of the STEP platform



Thank You
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