

WEBINAR

Leveraging Jira & Jama Connect® for Enhanced Requirements Management

Agenda

- Introduction of myself and Jama Software
- Challenges of using Word and Jira alone for requirements
- Achieve Live Traceability with Jama Connect
- Increase efficiency with Jama's Review Center
- Integrate with Jira to connect development tasks to requirements
- Jama's role in defining the current state of system
- Impact Analysis and the ability to react to change



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Jama Software

Jama Software | #1 in Requirements Management

OUR PURPOSE IS TO ENSURE THAT INNOVATORS SUCCEED

Jama Connect® helps teams manage requirements with Live Traceability™ through product, systems and software development processes for proven cycle time reduction and quality improvement.

- ✓ Reduce Cycle Times
- ✓ Increase Process Efficiency
- ✓ Streamline & Accelerate Reviews
- ✓ Speed Time to Market
- ✓ Gain Visibility & Control
- ✓ Ensure Compliance & Manage Risk



**MEDICAL DEVICE &
LIFE SCIENCES**



**AUTOMOTIVE &
SEMICONDUCTOR**



**SPACE, AIRBORNE &
DEFENSE SYSTEMS**



**INDUSTRIAL
MANUFACTURING**



**SOFTWARE
DEVELOPMENT**



**FINANCIAL SERVICES
& INSURANCE**

Challenges of using Word and Jira Alone

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- No clear definition of system
- Inability to understand the impact of change

Challenge – Lack of Traceability

A LIST OF REQUIREMENTS IN A FLAT FILE IS NOT ENOUGH

- Manual traceability is resource intensive process prone to missing coverage
- Complete lack of visibility into the development process
- Inability to truly know the status of your project

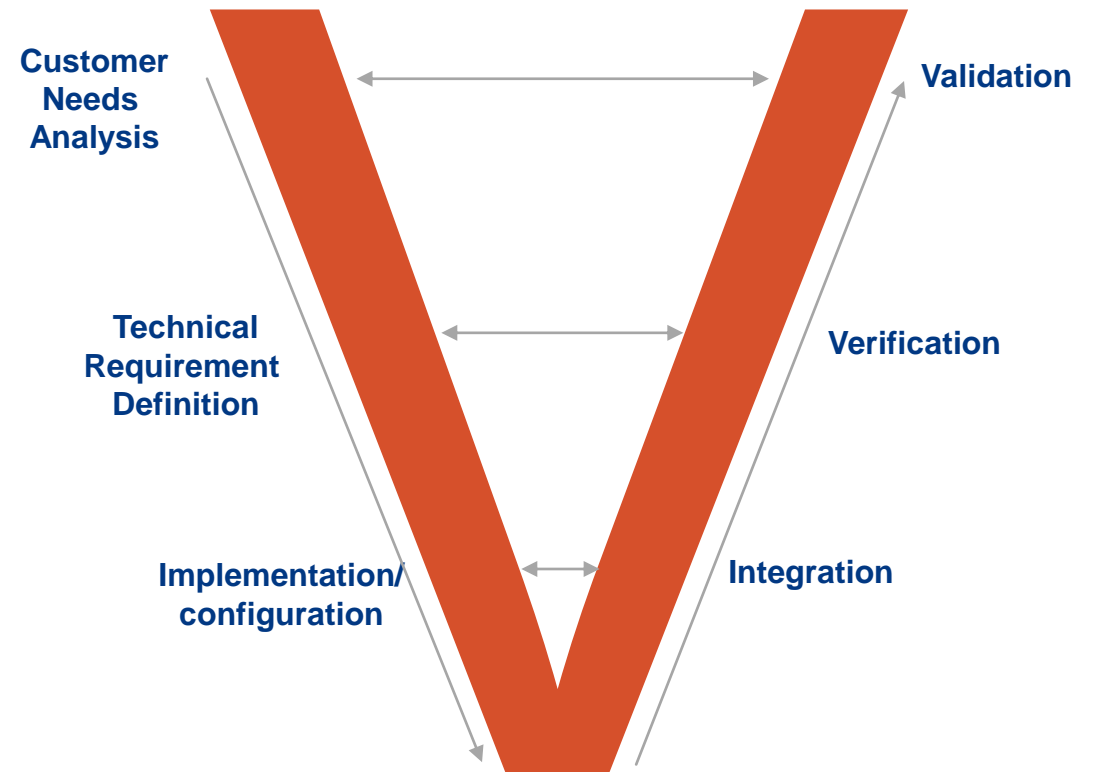
Lack of Traceability is the #1 cause of negative project outcomes

Best Practice | Live Traceability of Requirements from Definition to Validation

DELIVERS HIGHEST QUALITY, LOWEST COST, SYSTEMS CONFIGURATION/DEVELOPMENT

Traceability

- Enables early identification of project issues to minimize cost/time to correct. The cost multiple of identification post system configuration grows quickly:
 - Integration (**16X** more expensive)
 - Verification (**40X** more expensive)
 - Validation (**110X** more expensive)



Source: : INCOSE, NIST, [Report](#)

Reality | V is Broken into Siloed Tools & Spreadsheets

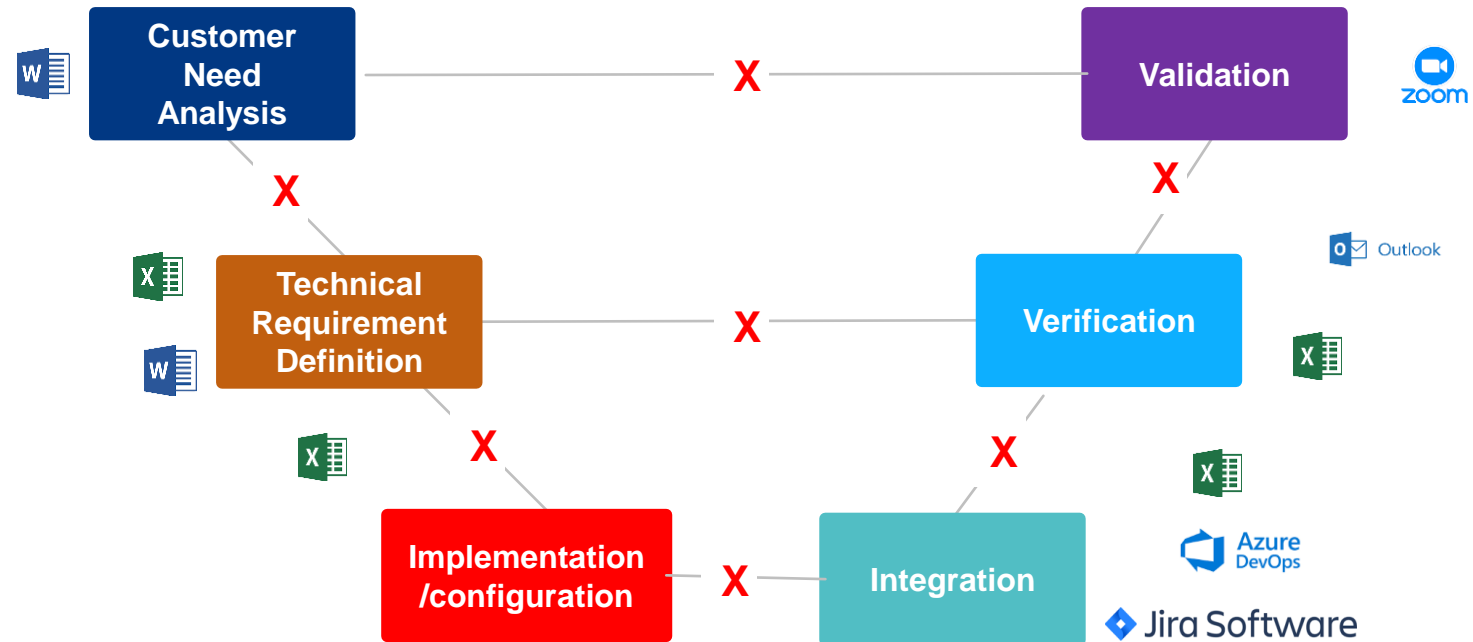
#1 CAUSE OF NEGATIVE PROJECT OUTCOMES

#1 Cause of Project Delays, Defects, Cost Overruns, and Customer Dissatisfaction

- Late identification of defects/coverage gaps due to lack of visibility throughout implementation process
- Lack of ongoing change management
- Lack of collaboration between internal + external stakeholders

No solution to the Problem

- No single platform to support entire process
- No way to integrate desktop tools and Excel files
- Highly manual, after the fact traceability when not useful



Solution Demo: Live Traceability with Jama Connect

A digital thread through every level of development.



Challenge: Inefficient Requirement Reviews

WORK IS HARDER THAN IT SHOULD BE

- Doc based reviews
- Manual creation of email notifications
- Collate feedback from multiple sources – Word comments, email, slack etc.
- Another round of reviews – unclear what changed, rereview the entire doc set



Repeat this inefficient process until done!!

Solution Demo: The Review Center in Jama Connect

Come to consensus faster on what
needs to be delivered



Challenge: No Insight Into Development

JIRA TASKS REPRESENT THE WORK TO FULFILL REQUIREMENTS

- If your implementation tasks do not tie back to your requirements, you cannot measure how far along you are in your project.
- It is not enough to know the status of development tasks. **You need to be able to answer the question – have my requirements been implemented and tested.**
- Undetected development tasks (scope creep or rogue development) introduce risk.
 - Spending time/money on things the stakeholder doesn't need
 - Making a change that has unintended impact

The further away development is from requirements, the less likely your project will succeed.

Solution Demo: Jama Integration with Jira

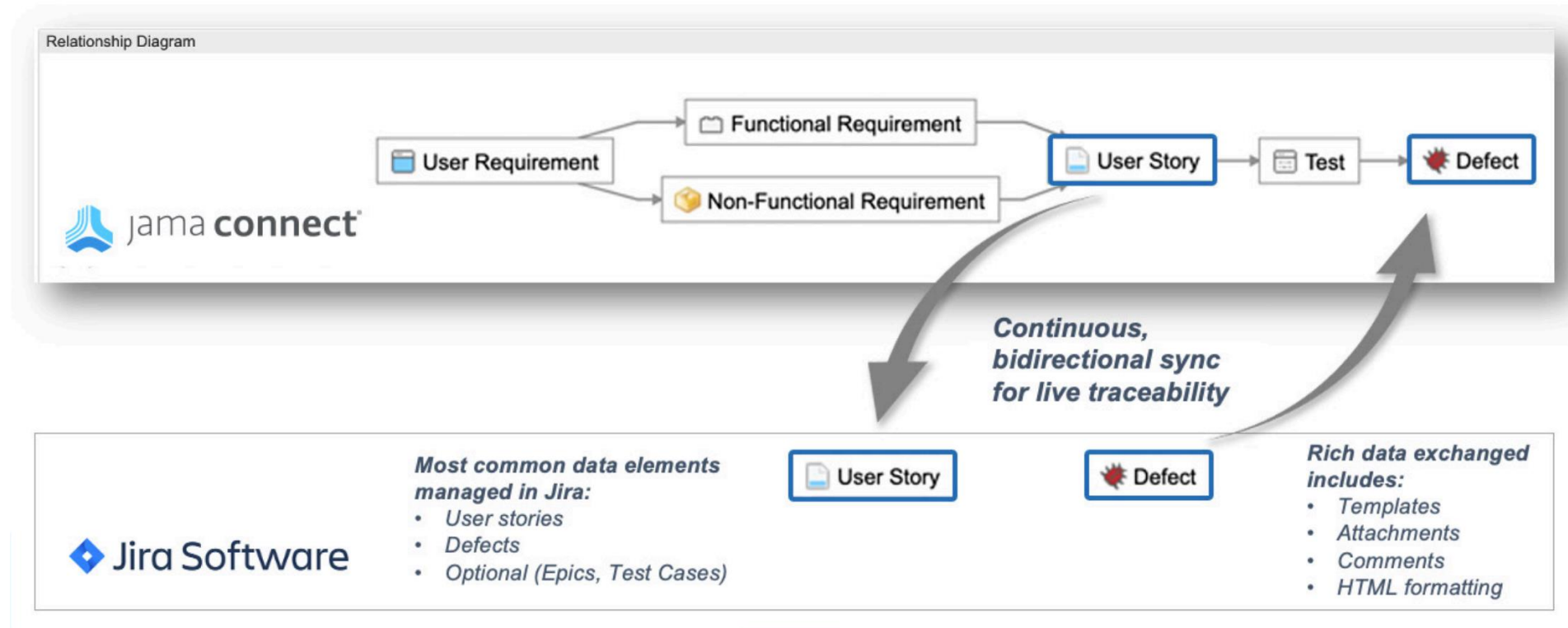
Bring together these best in breed tools to mitigate risk, reduce rework, and ensure project success.



Why Jama is #1 Best-of-Breed Choice with Jira

OVER 150 LIVE INTEGRATIONS, NO ONE ELSE COMES CLOSE TO THIS LEVEL OF SUCCESS

Software developer activity is now **LIVE TRACEABLE** without any change required in their tooling or methodology



Software developers work in Jira with no change to their process, tools or field statuses

Challenge: No Clear Definition of System

JIRA ALONE IS NOT ENOUGH

User Stories are NOT requirements

- **Requirements define what a system does** (how it is expected to function)
- **User Stories describe HOW a user will interact with the system** to achieve a certain goal

While a user story may help a software developer understand the context of what they must implement, it is NOT a replacement for a requirement which describes a function of a system.

Challenge: No Clear Definition of System

JIRA ALONE IS NOT ENOUGH

Development tasks represent standalone pieces of work in a specific sprint.

- Once tasks are completed, they are marked done and closed out.
- You cannot look at all the tasks in Jira and get a definition of the current features and functions of your system.

Challenge: No Clear Definition of System

JIRA ALONE IS NOT ENOUGH

Example...

1. Set of Tasks are completed to fulfill requirements
2. Sprint is done, the team moves to next sprint
3. Defect discovered necessitates a change
4. Change is described in a new task but may invalidate work done in a prior sprint.
5. There is no loop back to prior closed tasks to identify that they are no longer relevant.

*By contrast, **requirements are versioned** and change as user needs change.*

*Requirements **evolve** over time.*

Solution Demo:

Jama maintains your Definition of System

A good requirements management system will...

1. Allow you to see the latest version of all requirements that contribute to the system.
2. Allow you to baseline requirements and compare how they have evolved over time.
3. Represent your current definition of system.



Challenge: Inability to Understand Impact of Change

Change Happens

- Needs change
- Security risk needs mitigation
- Middleware dependency change
- And so on...

For teams using Word and Jira alone there is no way to understand the impact of change.

Solution Demo: Impact Analysis with Jama Connect

Include all the right people in the conversation.

Understand the full impact of change in just one click.



Conclusion

LEVERAGE JAMA AND JIRA TOGETHER

Challenge:	Solution:
Lack of Traceability	Live Traceability with Jama Connect
Inefficient Requirement Reviews	Jama Connect's Review Center
No insight into Development	Integrate Jama and Jira
No clear Definition of System	Use Jama to capture the State of your System
Inability to understand the impact of change	Proactive Impact Analysis with Jama Connect

Takeaways

LEVERAGE JAMA AND JIRA TOGETHER

- If you are currently using Word to document requirements, switch to Jama to increase your efficiency.
- Leverage the integration of Jama with Jira to achieve Live Traceability.
- Don't use Jira alone - add in Jama so that you will always have an accurate definition of system.



Improve your development outcomes with Jama Connect!

Q&A

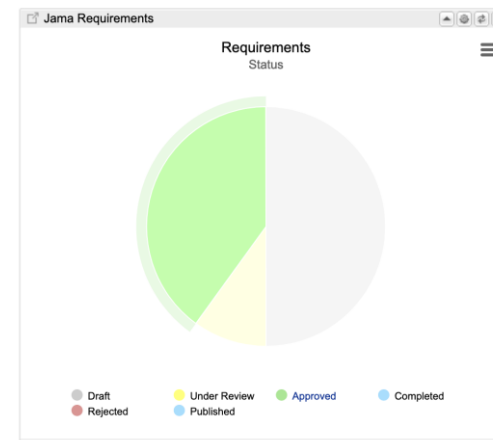
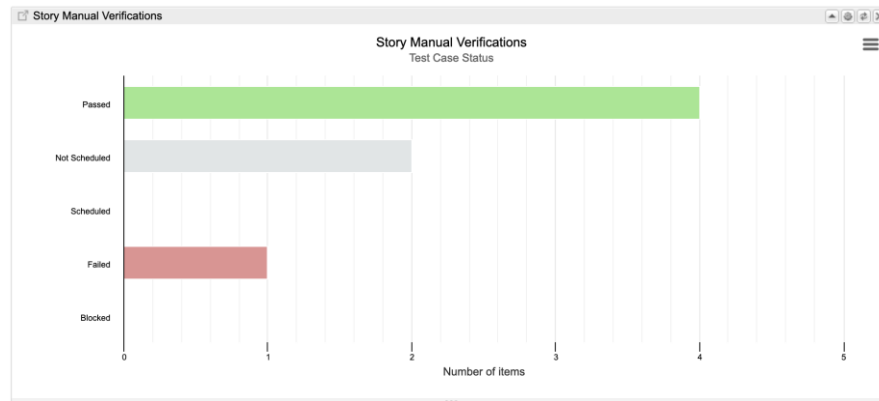
How Can I See and Manage Exceptions?

SET UP DATA DRIVEN DASHBOARDS SHOWING END TO END EXCEPTIONS

ID	Integration URL	# of Upstream ...	Name	Status	Priority	Description
AA3-STY-20	https://jamasoft...	1	Summary Information	To Do	Medium	As a user I can find summary inform...
AA3-STY-4	https://jamasoft...	1	Holdings Summary	To Do	Low	As a user, i would like to see all of r...
AA3-STY-5	https://jamasoft...	1	Holding Summary export to PDF	To Do	Low	As a user, I would like to export my
AA3-STY-6	https://jamasoft...	1	Holding Summary export to Word	To Do	Low	As a user, I would like to export my

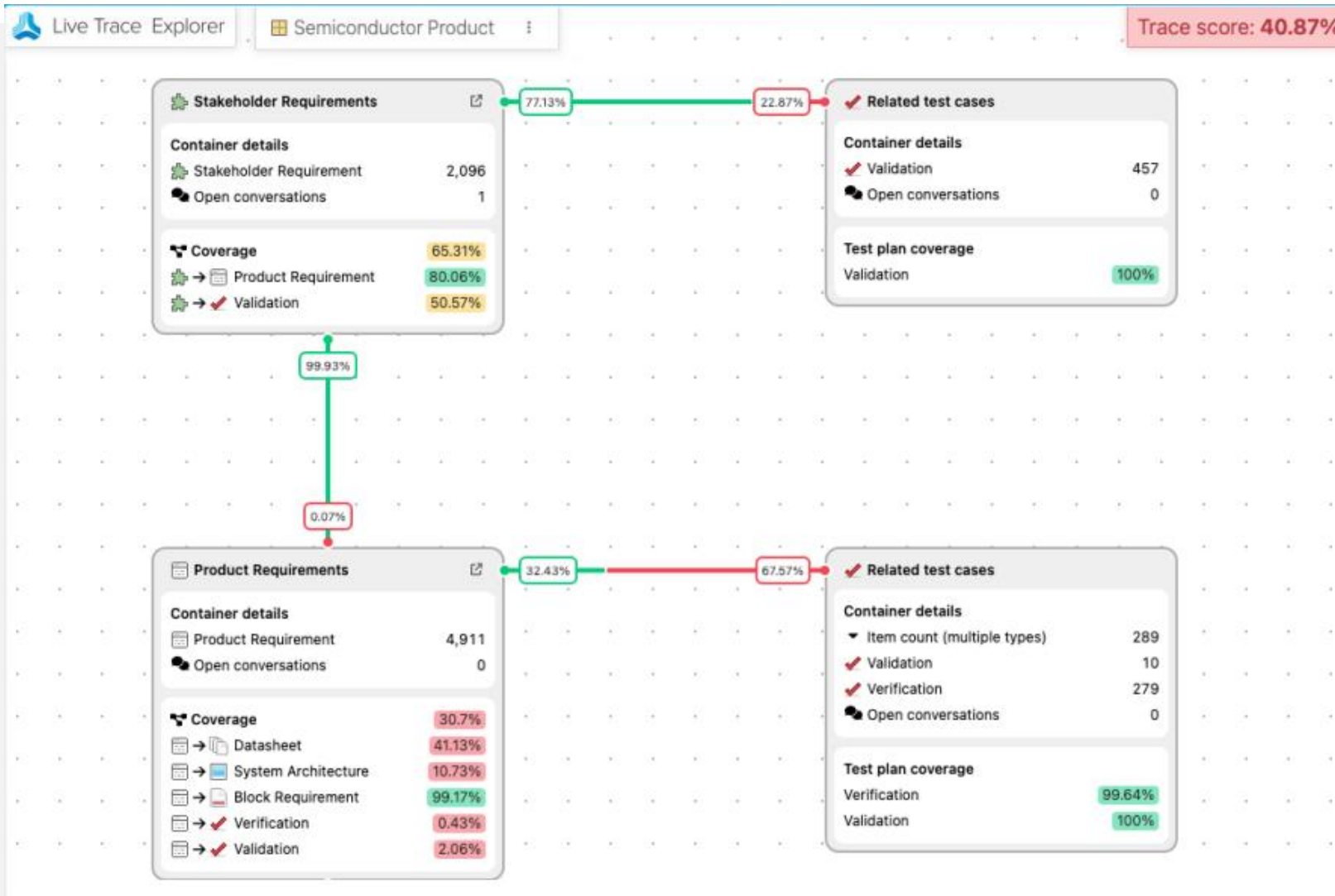
ID	Created By	Name	Status	Description
AA3-REQ-3	Steven Meadows	Application Login Area	Under Review	The FX application will support a login area allowing users to gain access to private...
AA3-REQ-4	Steven Meadows	Customer Holdings Information	Draft	The application will allow for the display of customer holdings including: ...
AA3-REQ-29	Steven Meadows	Holdings Reports	Approved	The application will allow for the display of reports related to: Stocks ...
AA3-REQ-6	Steven Meadows	Application Security	Approved	The application must be secure and data should be encrypted at REST (at a minimum
AA3-REQ-34	Steven Meadows	Encryption	Draft	The application must be encrypted AT REST and in TRANSIT

ID	Name
AA3-EPIC-217	Data Encryption
AA3-EPIC-218	Ensure Application Security
AA3-EPIC-219	Enable 2 Factor authentication
AA3-EPIC-220	Develop Customer Login Area
AA3-EPIC-221	Develop Customer Holdings Information Page



Live Trace Explorer

MEASURE THE COMPLETENESS AND QUALITY OF YOUR TRACEABILITY



Live Trace Explorer™ in Jama Connect® brings comprehensive and detailed insights into your complex product, systems, and software development processes.

1. How complete is my traceability?
2. What is the quality of my traceability?

THANK YOU!

