

How AI will help to achieve high-effective SAP Quality Engineering

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SAPinsider

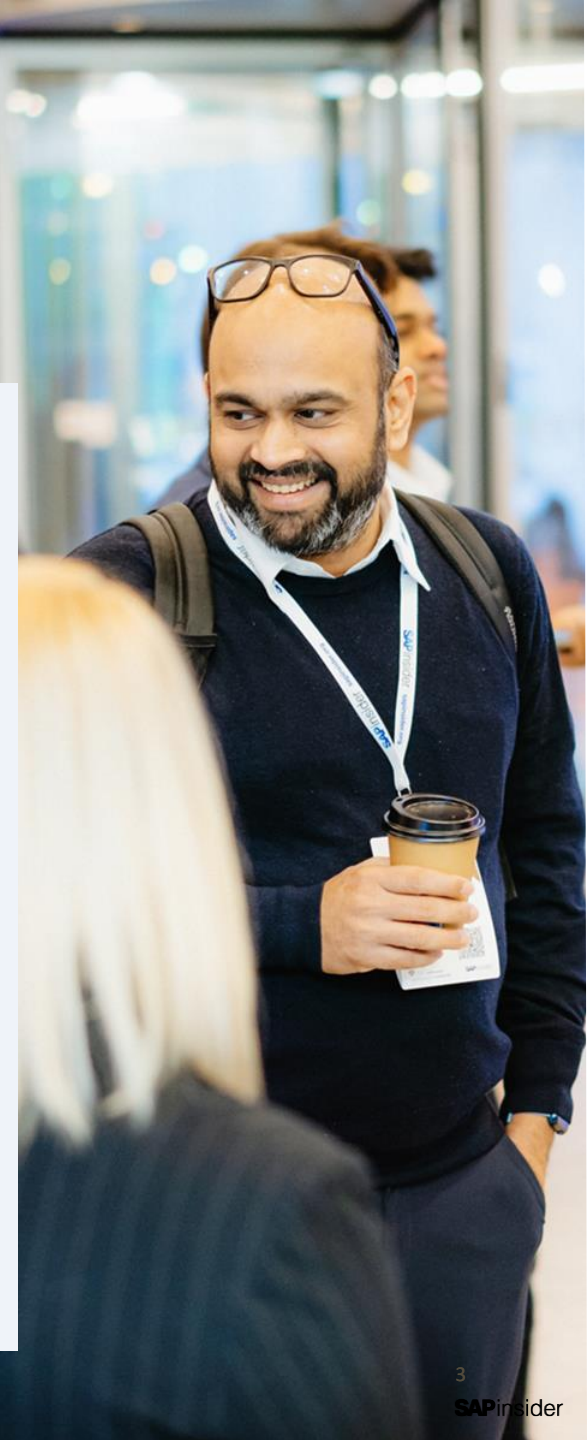
In This Session

We will introduce how **Tricentis** as SAP Solution Extension (SOLEX) partner will support customers with **AI driven Quality Engineering** for setting up sustainable automated **Change Impact Analysis** and **End-to-End Test Automation**.



What We'll Cover

- Market trends & customer needs on AI for Quality Engineering
- The role AI will play in high-effective SAP Release Management
- Accelerating and improving the quality of SAP releases



Our mission

Enable our customers to deliver high-quality and high-performing software to achieve better business outcomes.

Software delivered at speed and scale.



Market trends & customer needs on AI for Quality Engineering

Over 80% of IT teams are either exploring AI or actively using it today.

-IBM Global AI Adoption Index

AI in Software Quality Engineering (Testing)

We polled organizations about the top challenges they face when updating their SAP systems.

- 51% said SAP updates put their business processes at risk.
- 46% said SAP updates take longer than desired.
- 41% said the cost of updating their SAP systems is a concern.
- 26% reported frequent issues and bugs after updating their SAP systems.
- 90% of SAP enterprise users plan for a period of hypercare after a release goes live.

That last bullet speaks volumes — organizations plan for failure in every release.

Resolving a defect post-release is the most expensive, laborious, and complicated time to do so.

Not to mention the cost downtime in terms of productivity: \$10,000 per minute, according to a study by the Ponemon Institute

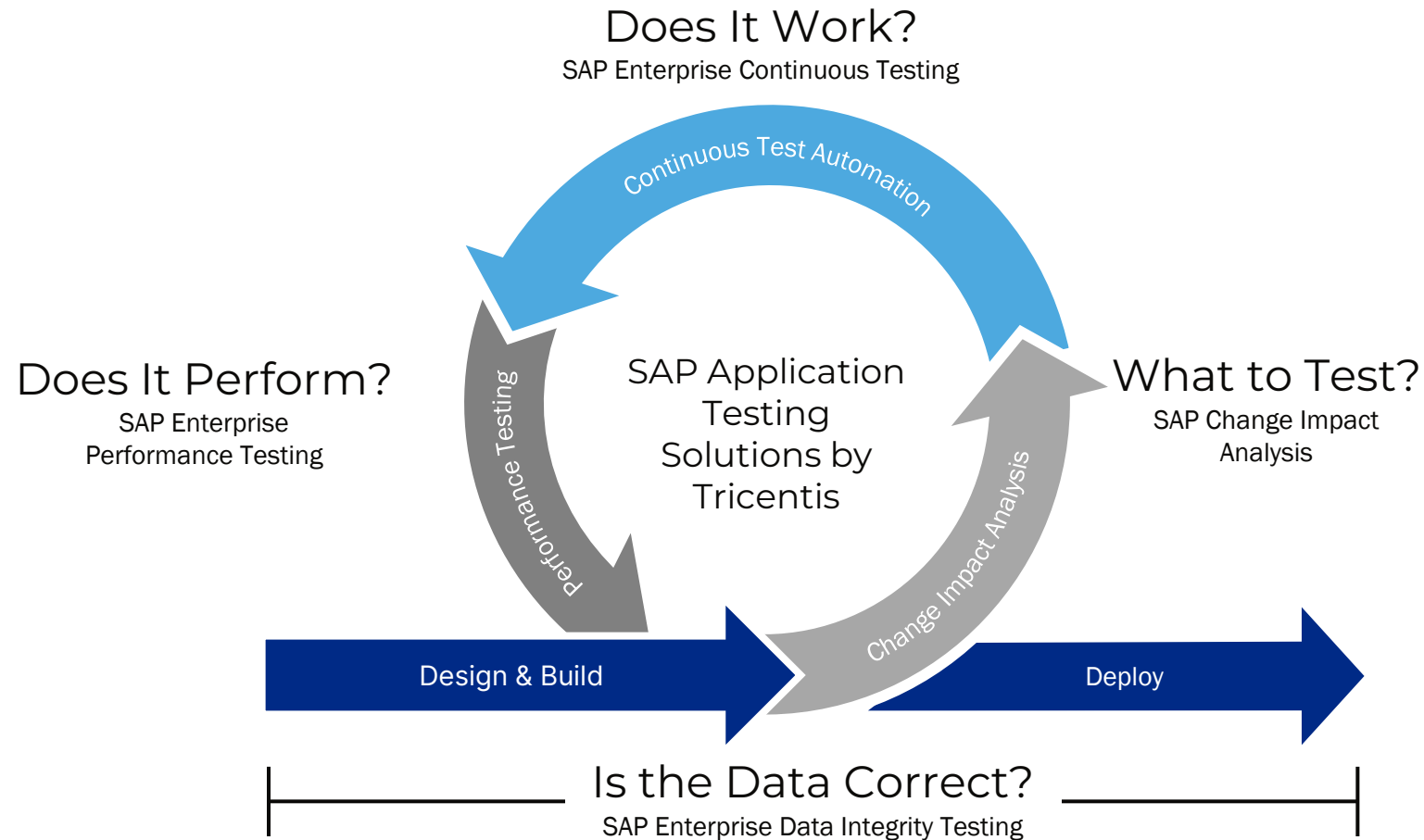


Would **you** do this ?

Under what **conditions**?

What do you think you **need** to be **"ready"**?

Solution Overview

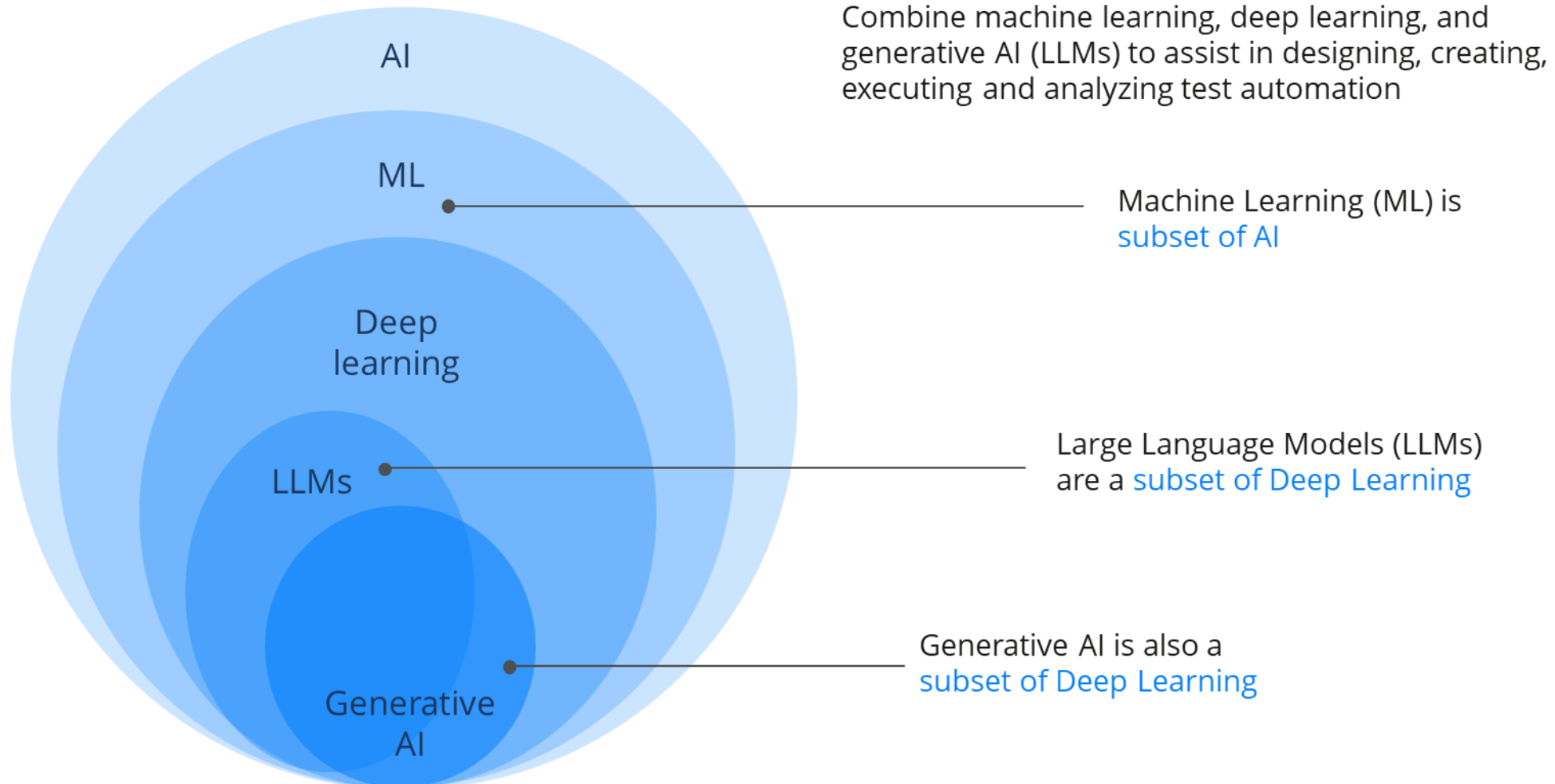


Tricentis Journey so far



-  Early Adoption (2019 onwards)
-  Narrow AI Investments
-  Generative AI (2023)
-  Lessons Learned and future investment

How we view AI and our focus areas



Tricentis customers using AI

Practical impacts of AI on our customer base

700+

Customers using our AI tech

Hundreds of customers rely on our AI technology to drive their testing

650k

Tests run monthly

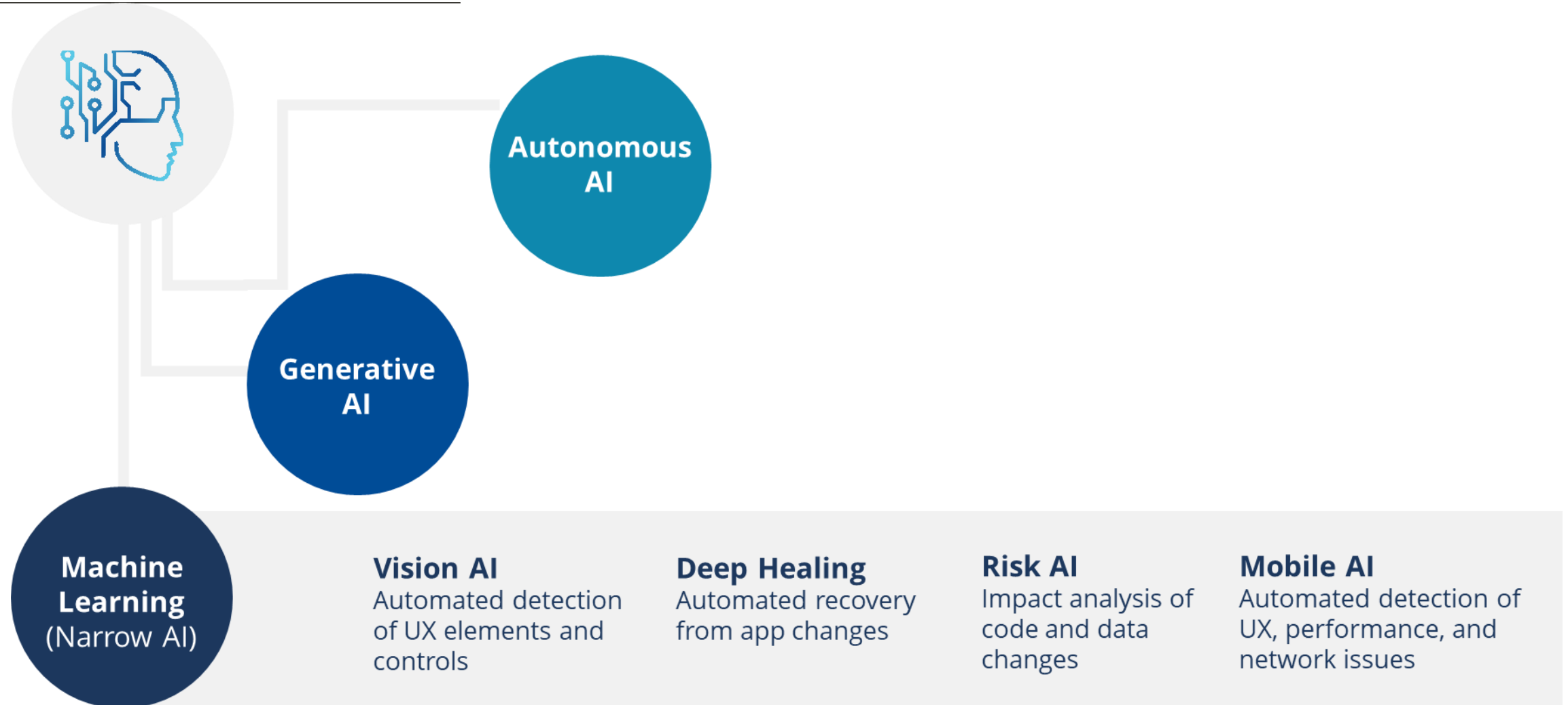
Only on our Vision AI system

95%

Reduction in SAP tests

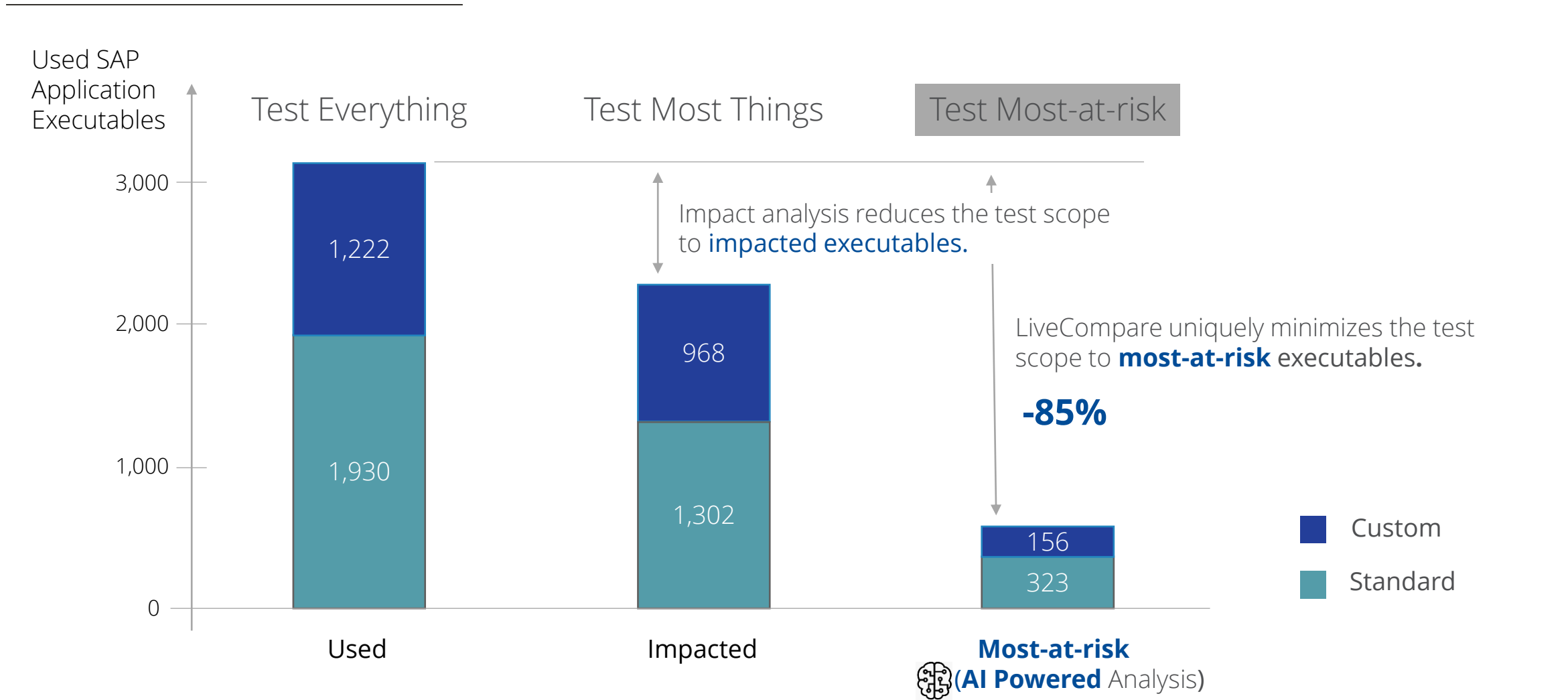
Using LiveCompare with classic machine learning techniques

AI-powered Quality Engineering and Test Automation



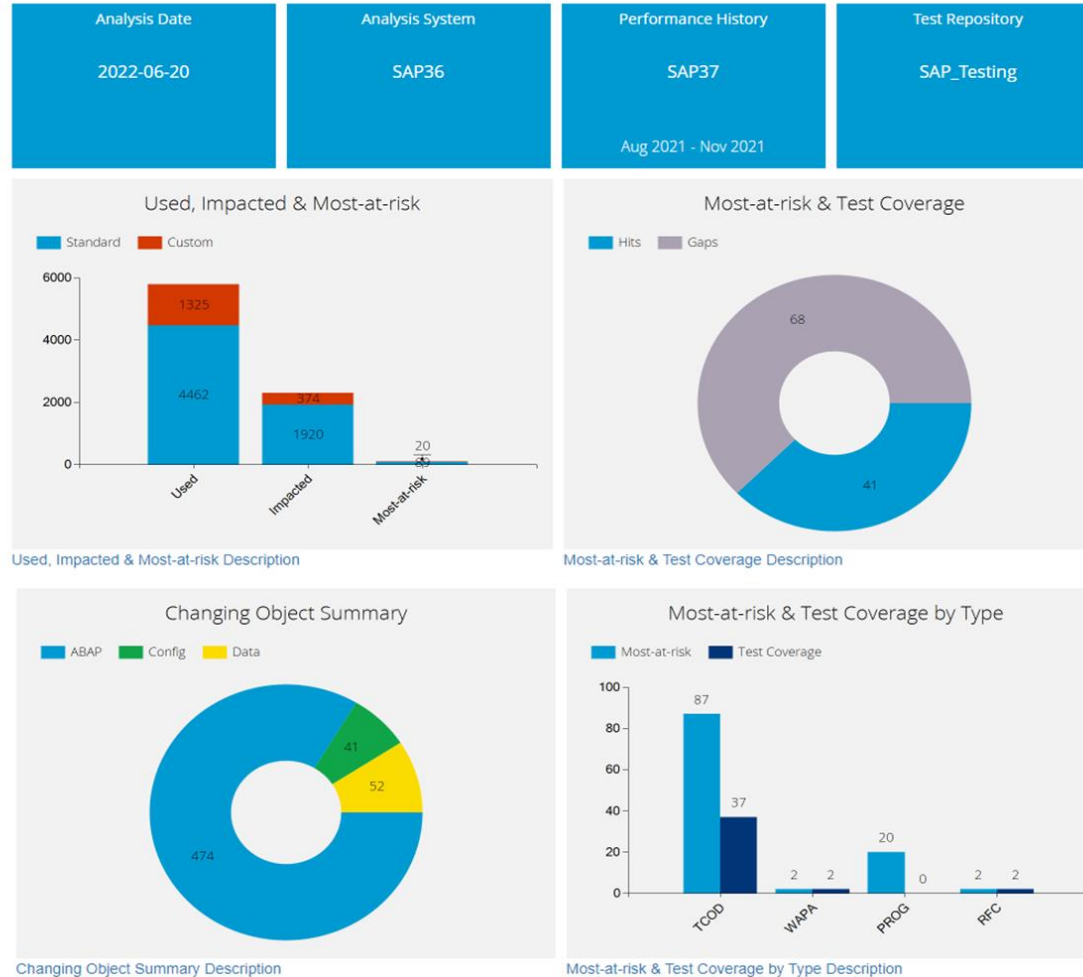
Focus your testing with Tricentis LiveCompare

AI-powered Change Impact Analysis



SAP Change Impact Analysis by Tricentis Dashboard

Smart Impact Analysis Dashboard



End-2-End Test Automation



- Comprehensive End-2-End testing with support for SAP and hundreds of other technologies and enterprise apps
- Risk-based testing that aligns testing with business priorities to ensure critical business processes are always covered

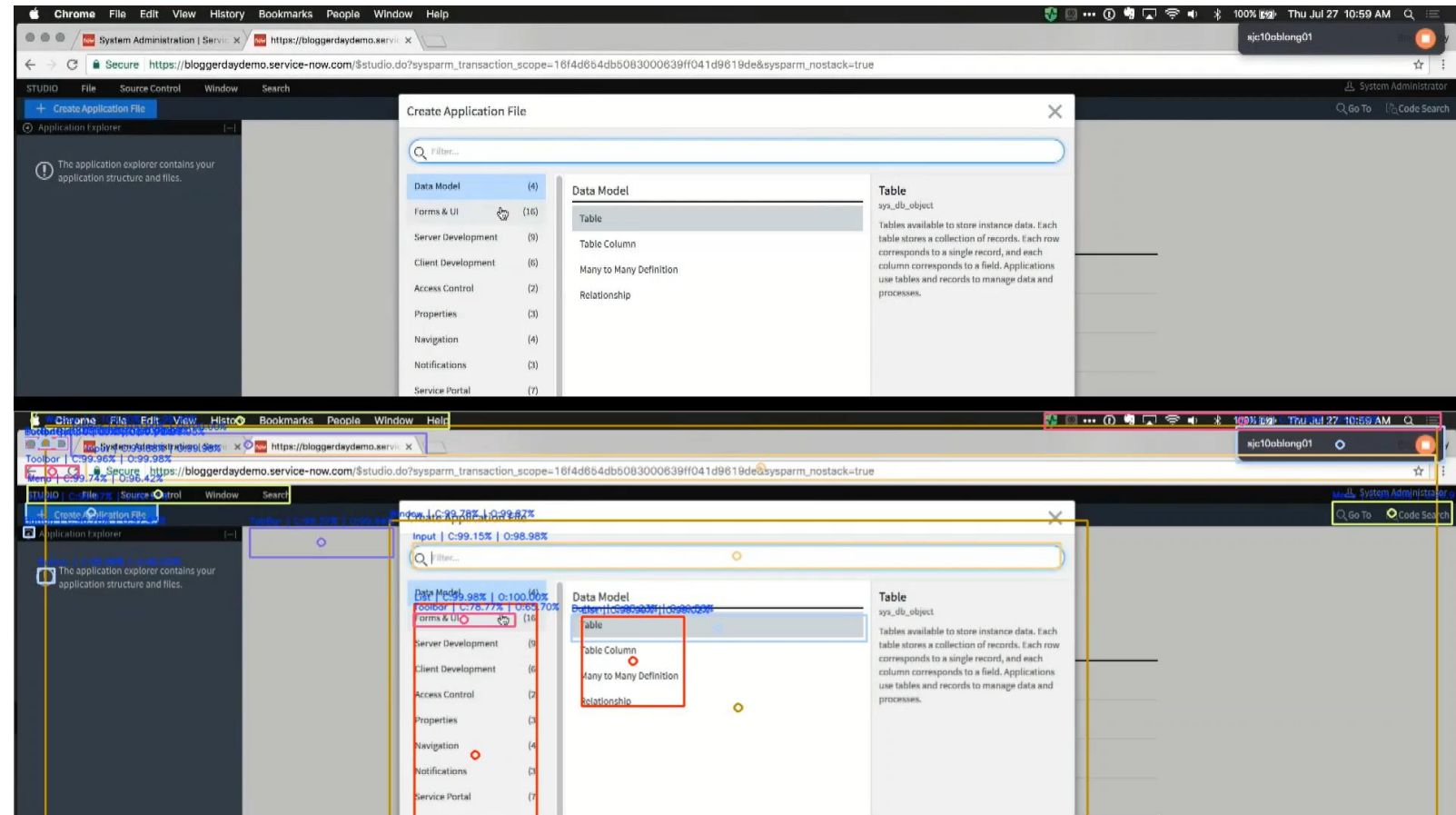
Name	Value
Order-To-Cash Business Process	
VA01 Create Sales Order	
Enter Data (Order Type, Customer)	
Start VA01	
Initial Screen	
Order Type	OR
Sales Organization	1000
Distribution Channel	12
Division	00
Sales Office	1010
Sales Group	110
Press Enter	
Enter Sold-to-Party and Ship-to-Party	
Sold-To Party	1175
Ship-To Party	1175
Press Enter	
Enter Order Material in Item Overview Table	
Go to Item Overview	
Enter Material Number in Positions Table	
All items	
\$1	
Material	M-08
\$1	
\$3	5
\$1	
Un	PC
Press Enter	
Change Document Date, Save and Close Sales O...	
VL01n Create Delivery Note for Sales Order	
LT03 Create Transfer Order for Delivery	
VL02n Change Outbound Delivery	
VF01 Create Billing Document	
VF03 Display Billing Document	

Test Automation powered by real Machine Learning

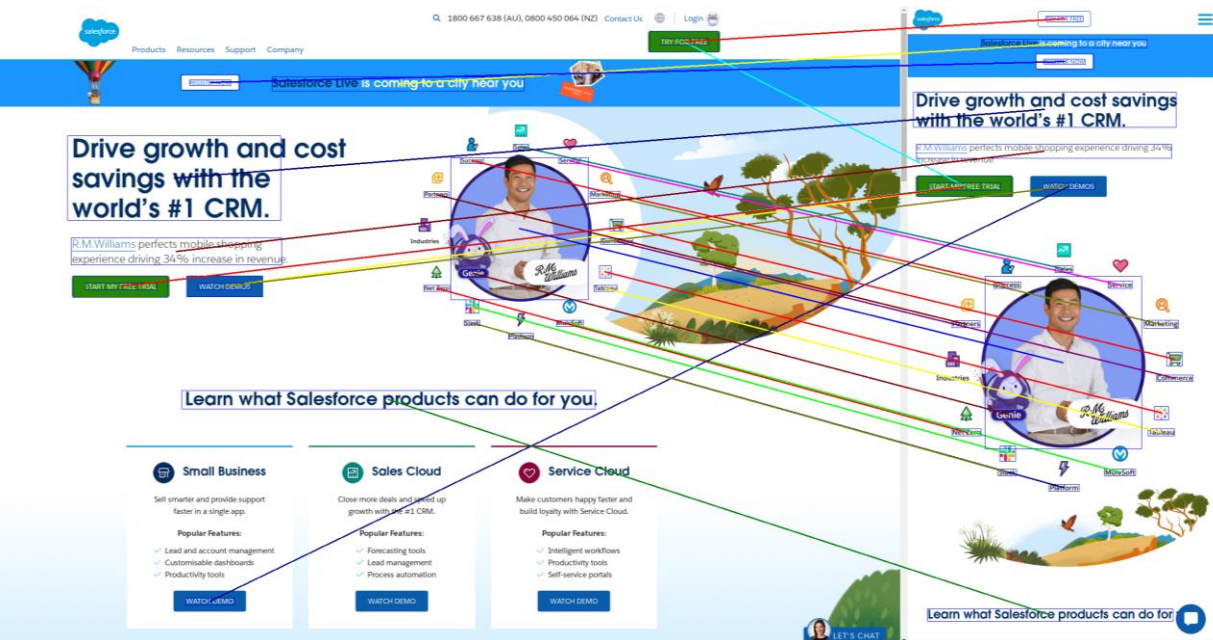
Solves specific problems (like finding changes in a page or creating variations of a test)

Trained on a wide range of ERP apps from SAP ECC, Ariba, Concur, SuuccessFactors, Hybris, Fiori, S/4

Powerful and reliable, but restricted to a narrow domain



Test Automation – Deep healing



Vision AI object detection + Graph networks

Track objects between versions of the application to ensure stable identification even as drastic changes occur

Track changes over time

Identifies object changes over time, automatically detecting stable aspects

Any-time healing requests

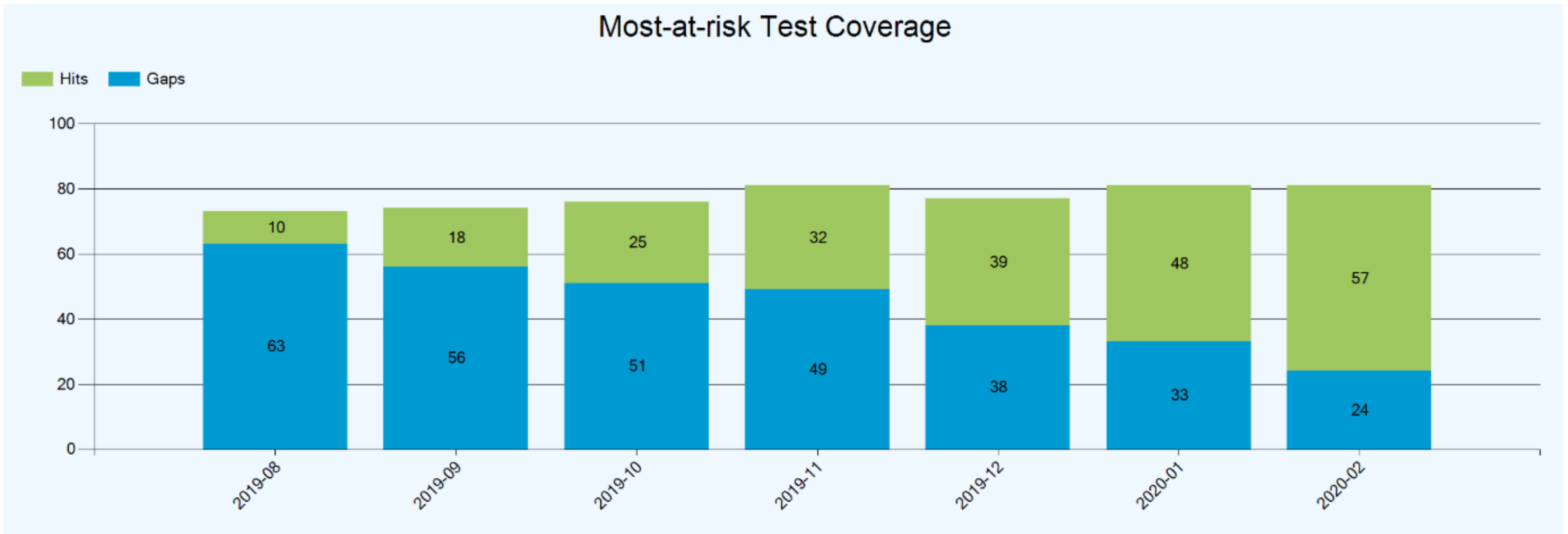
Tosca can request a test to be healed at any time, using the history of its execution and our AI based healing capabilities

Unique graph model for maximum stability

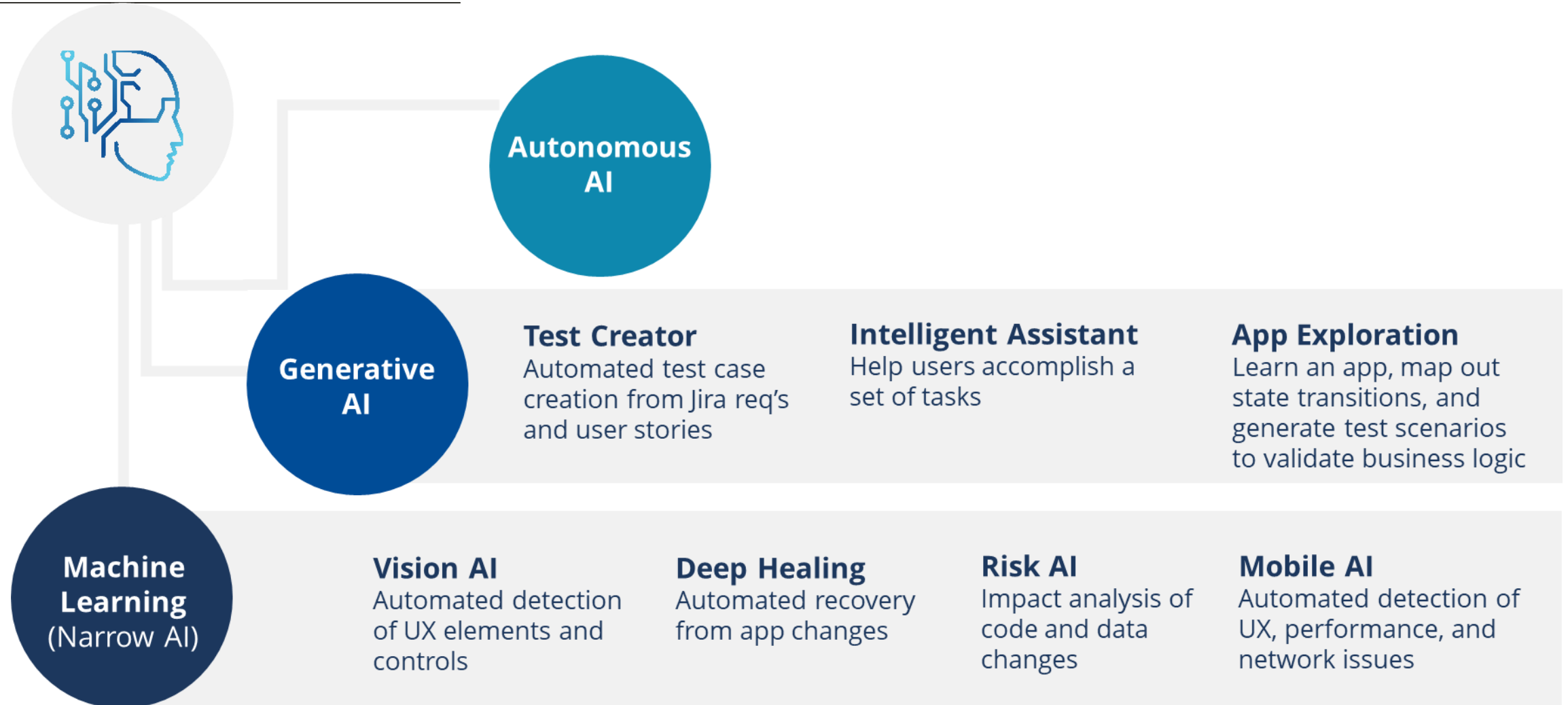
Graph based neural networks create a network of nearby controls, learning over time how the whole page interacts, ensuring when changes occur, we have the highest chance to be able to adapt


SAP Change Impact Analysis by Tricentis

risk mitigation over time



AI-powered Quality Engineering and Test Automation



 qConnect - Sample Project

- Activity Stream
- Manage Contacts
- Manage Event
- Manage Group
- Manage Job
- Manage Message
- Manage Poll
- Manage User Account
- Roadshow**
 - Personalized Recommendation System
 - Multi-Device Synchronization
 - Collaborative Book Club

Module MD-16

Last updated 5 hour(s) ago by **Max McCloud**

Roadshow

RELOAD

Statistics

Properties

3

Requirements

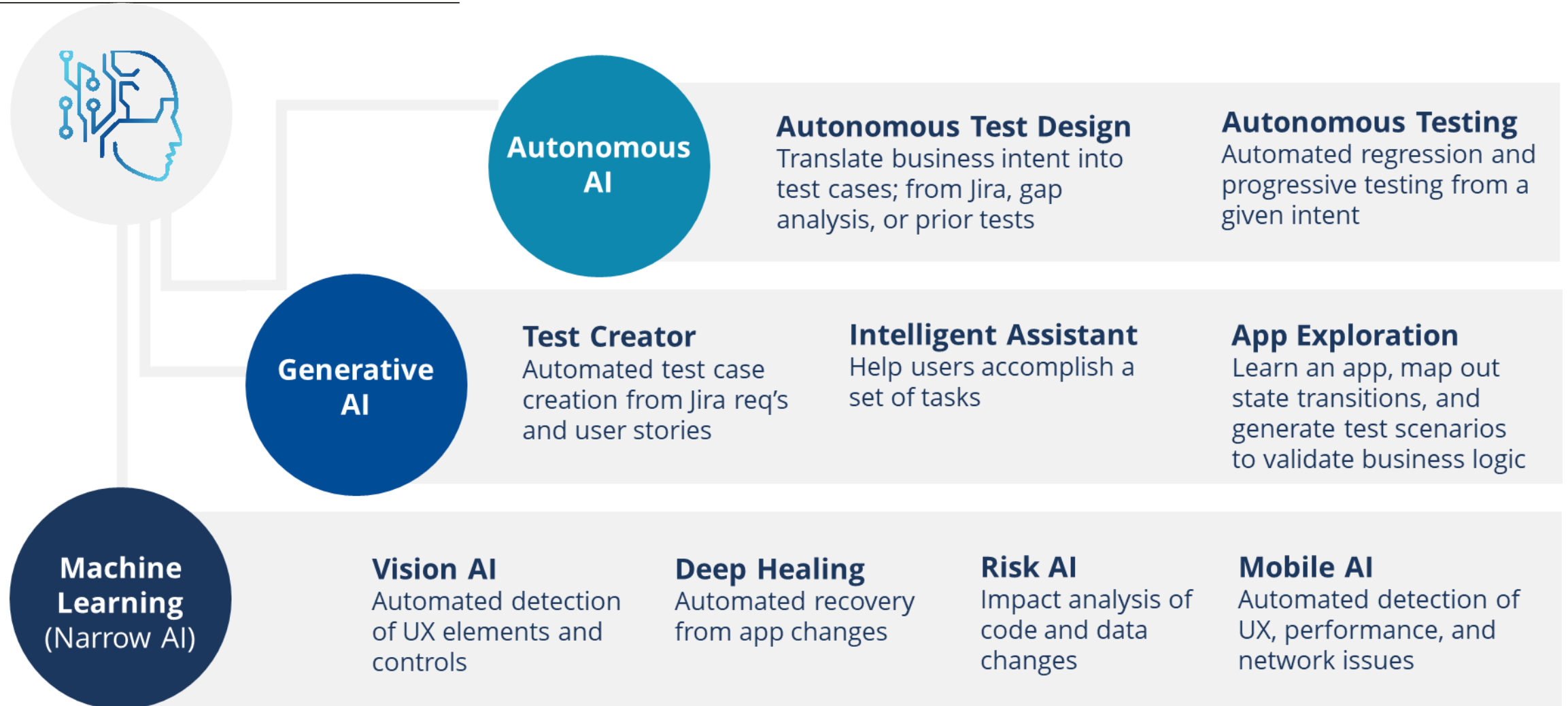
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Sub Modules

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AI-powered Quality Engineering and Test Automation



Key Points to Take Home

- AI will enhance and improve the SAP Quality Engineering process
- We will support bringing AI into the SAP SDLC and Release Management
- Benefit from our R&D investments since 2019
- Change Impact Analysis will drastically reduce your testing efforts
- Test Automation will help to reduce SAP Hypercare to a minimum

Wrap up

A large, multi-colored parachute is shown from a low angle, looking up. The parachute has many segments in various colors including red, yellow, orange, purple, blue, and brown. It is set against a bright blue sky with some light, wispy clouds. The parachute is partially open, with some segments trailing behind.

The **MUST HAVE** quality assurance solution for any:

- Digital Transformation,
- Migration and
- Maintenance project or program

Where to Find More Information

[Watch out for more information on: www.tricentis.com](http://www.tricentis.com)

[Watch Video on Safeguarding your SAP journey](#) www.Tricentis.com/sap

[Whitepaper: Why AI is the future of effective SAP releases – Tricentis](#)

Thank you! Any Questions?

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