

How to start with

SAP Enterprise Performance Testing

SAP Change Impact Analysis

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A clear plan is essential for success, providing the direction, aligning the efforts and ensuring each step moves us closer to the targeted goal

Know where you are and where you are going

- Your Journey depends on the starting point and the destination
 - ECC single instance to S4/HANA on premise
 - ECC multiple instances to a single S4/HANA
 - S4/HANA on premise to S4/HANA in private Cloud or public Cloud
 - RISE
- Adapt your Performance validation strategy to your journey

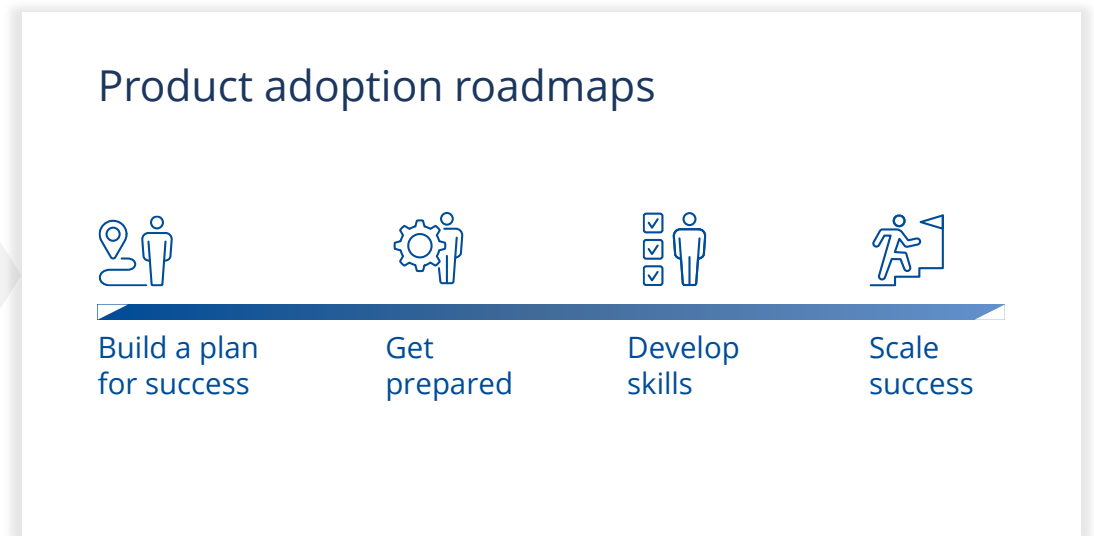
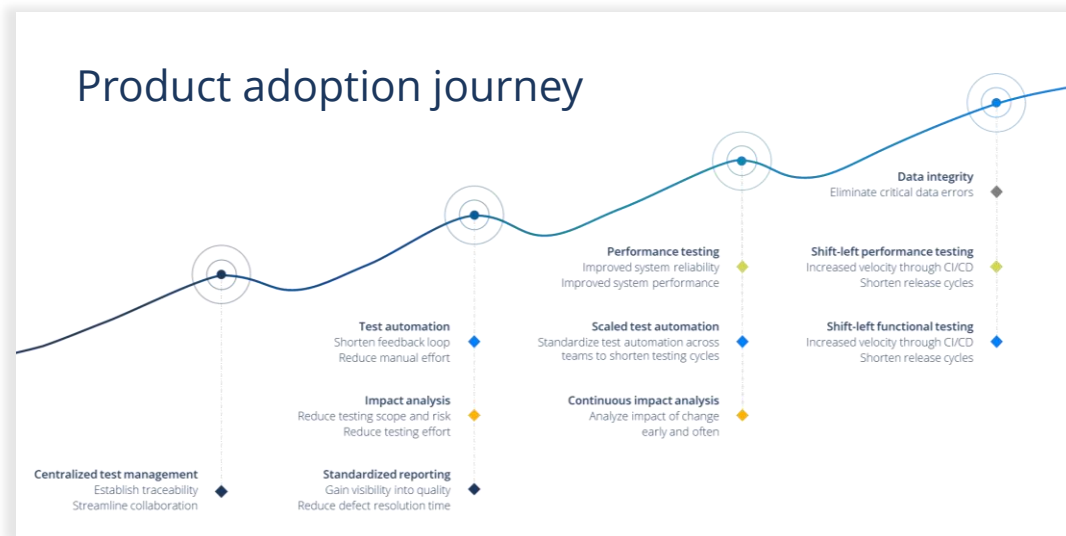
Starting Point

Journey with

North Star

Your path to adopting Tricentis products

Start your Tricentis product implementation with our step-by-step adoption roadmaps

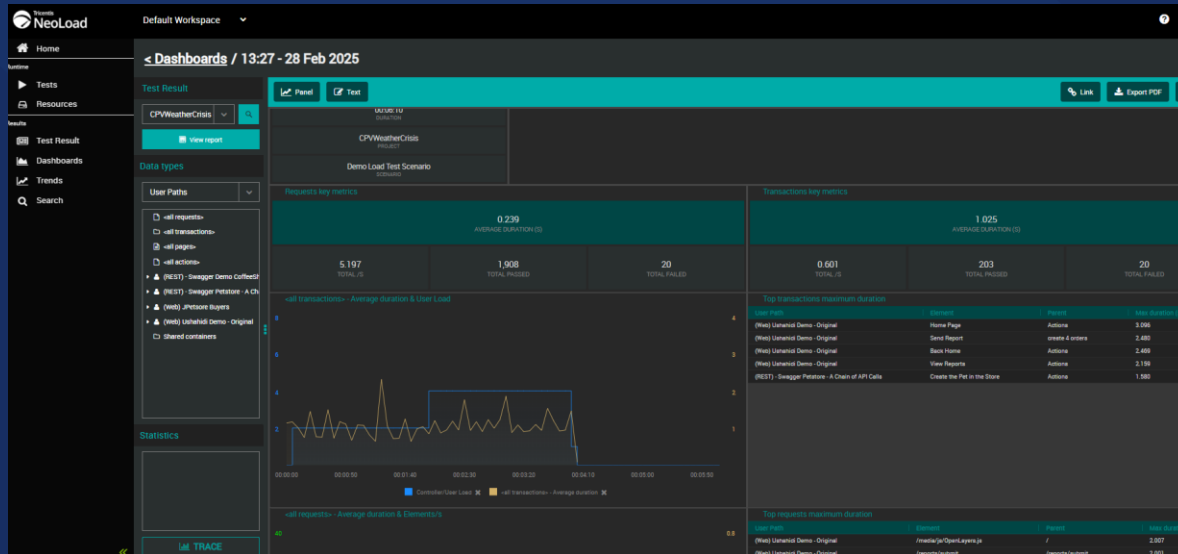


1 Understand the recommended order of adopting our products and capabilities

2 Follow step-by-step roadmaps to implement each Tricentis product

Enterprise Performance Testing

- Plan
- Prepare
- Develop skills
- Run
- Continuous Perf Testing



Tricentis Enterprise Performance Testing roadmap

Performance testing



Build a plan
for success



Get prepared



Develop skills

Milestones

Identify objectives and
success criteria1

Define roles and
responsibilities2

Create rollout
plan3

Install and
configure EPT4

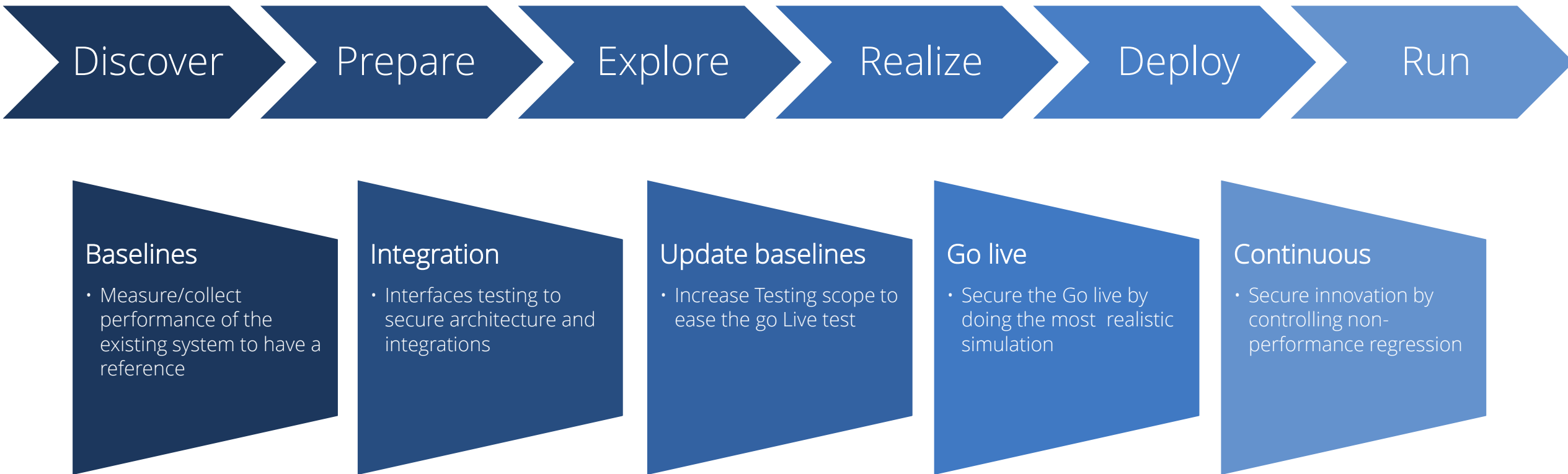
Enable resources on EPT5

Create performance
tests6

Optimize test suite7

Integrate with testing
and dev. tools8

Performance validation in Activate



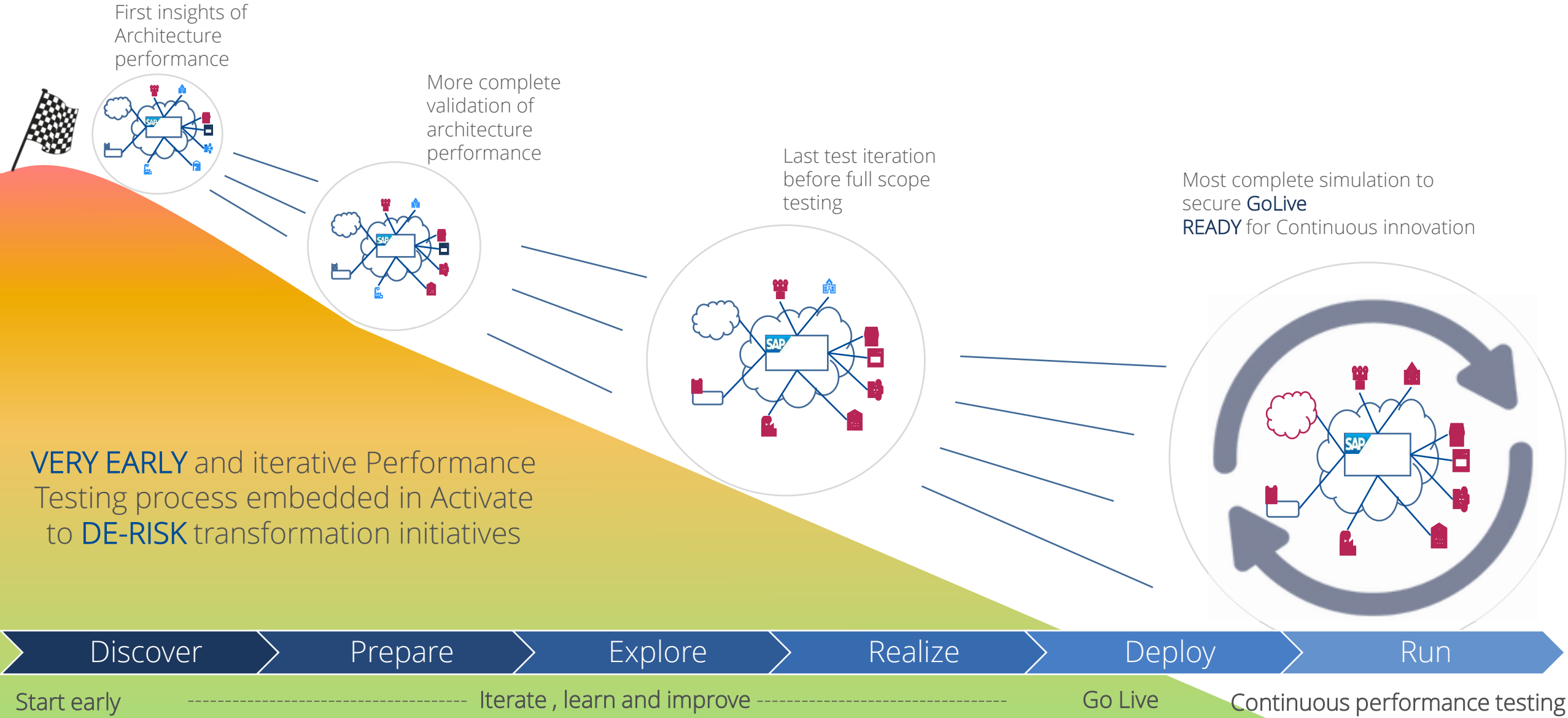
Leverage appropriate EPT capabilities at each step

Most complete technology coverage: SAP GUI, SAP FIORI, RFC/IDOC, API, Messaging (Kafka, jms, MQ,...), http/s, Real Browser

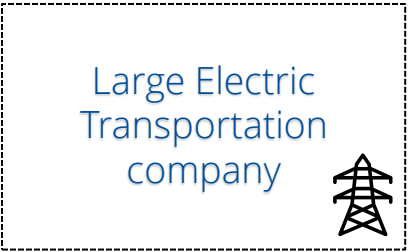
Accelerate testing: ECT integration, fast maintenance using Re-design test cases feature, no script, monitoring and APM integration

Continuous perf testing: Automation, NeoLoad CLI, comparaison, SLO/SLA, Quality gates, CI/CD, Augmented analysis, test as code, dynamic load test infrastructure

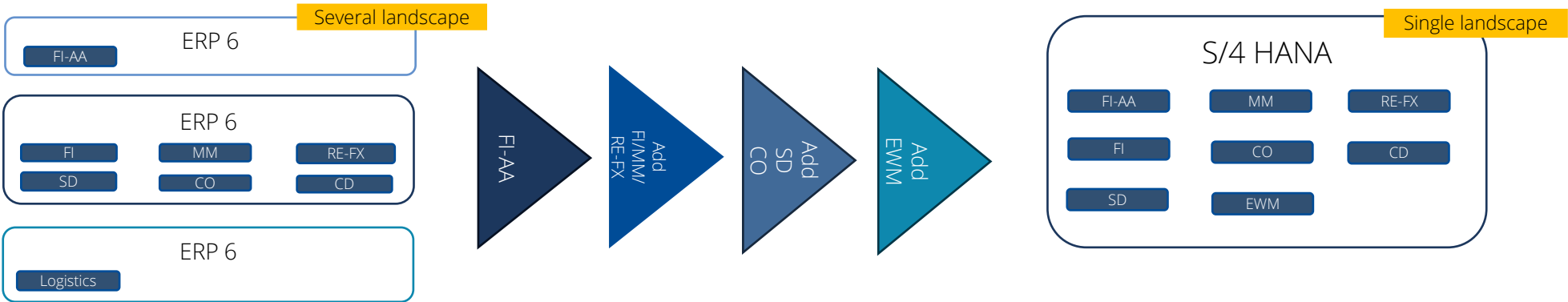
Performance testing across a transformation project



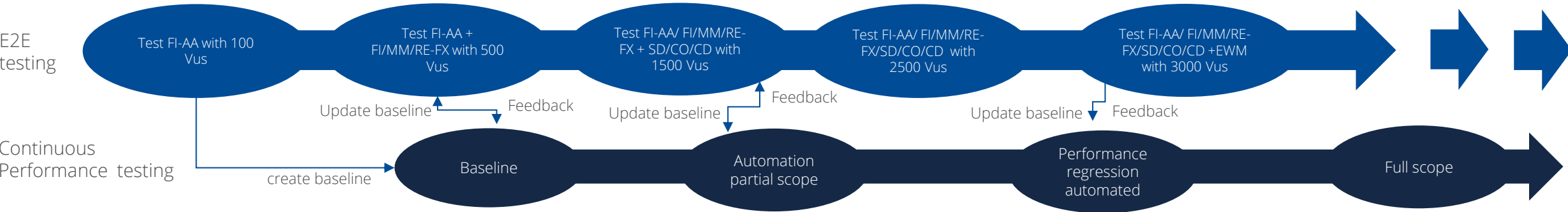
Progressive performance testing strategy: Test early and regularly



Typical transformation program aims to merge several existing systems covering different processes: Finance, management, purchasing, and sales and to migrate from historical SAP application to new ones



> 24 months project



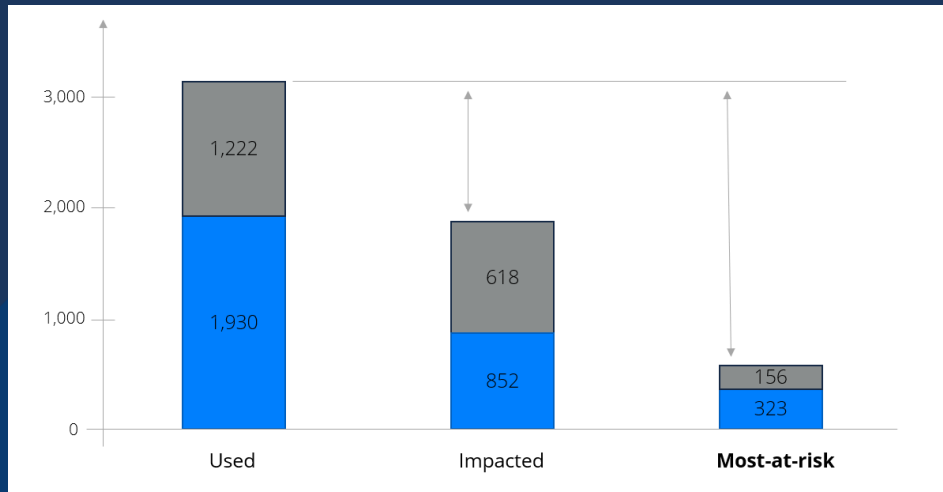
First test after 6 months

Evolution of the level of Risk





OBJECTIVES

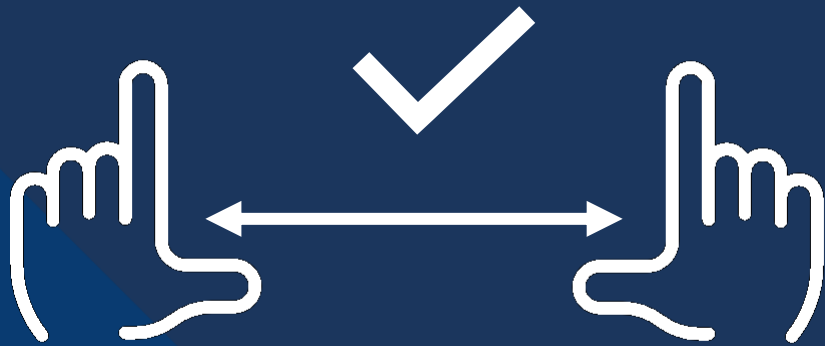


SAP CHANGE IMPACT ANALYSIS

- Test Scope Reduction and Prioritization
- Efficient determination of Test Case coverage with TestRepository integration
- High Quality delivery
- Test Effort Reduction
- Efficient Change Management



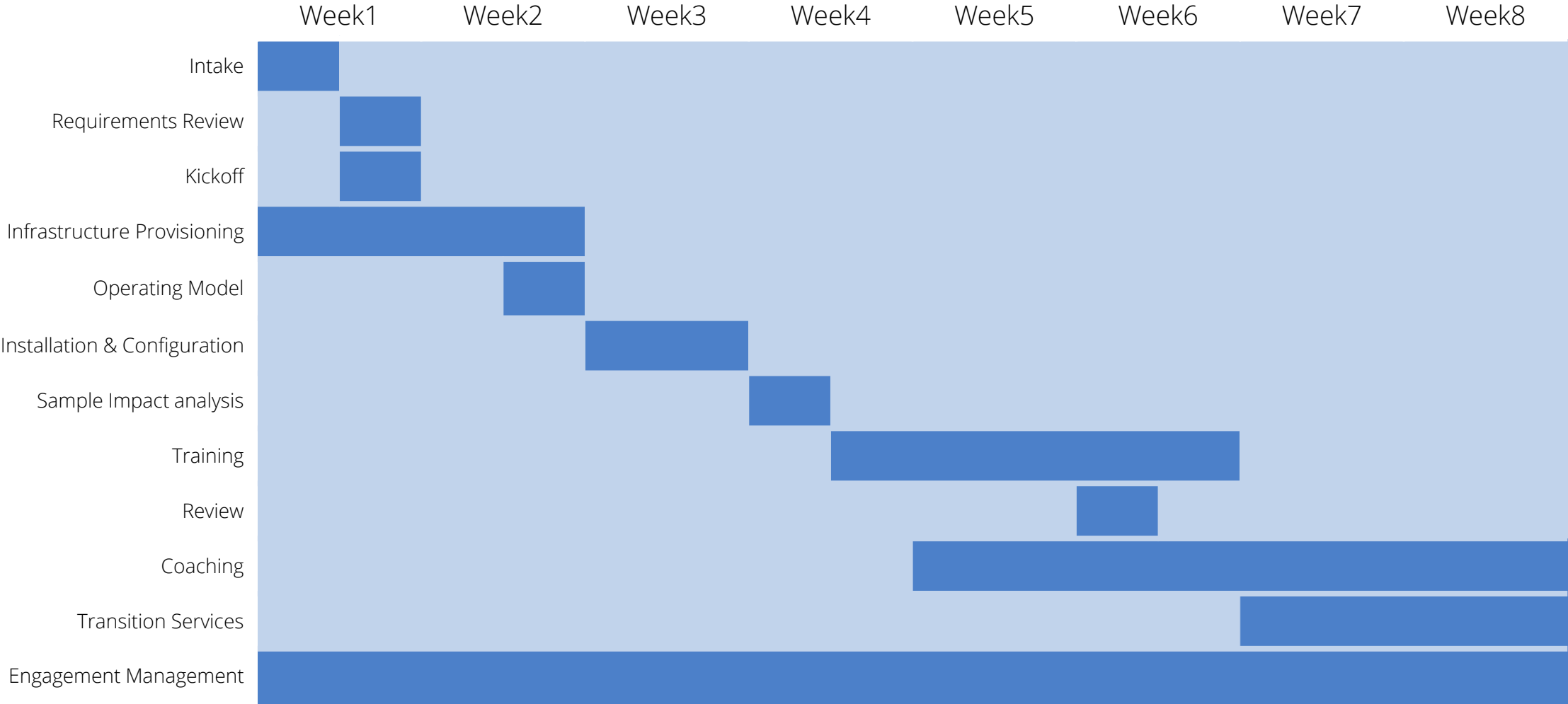
SCOPE



SAP CHANGE IMPACT ANALYSIS

- Support infra provisioning
- Install and Configure LiveCompare
- Assist Integration with TestRepository
- Sample Analysis
- Operating Model
- Training & Coaching

Schedule



Operating Model

Key points of an Operating Model

- Which SAP Landscape is relevant
- How and when are changes implemented in SAP
- Who is going to use Livecompare
- Who is going to support the Livecompare users
- Which Livecompare Apps are to be used, when
- Which automatic workflows are required to run, when
- How is testing organised, using which tools
- (How is Livecompare maintained, upgraded, backed-up)

LiveCompare Apps

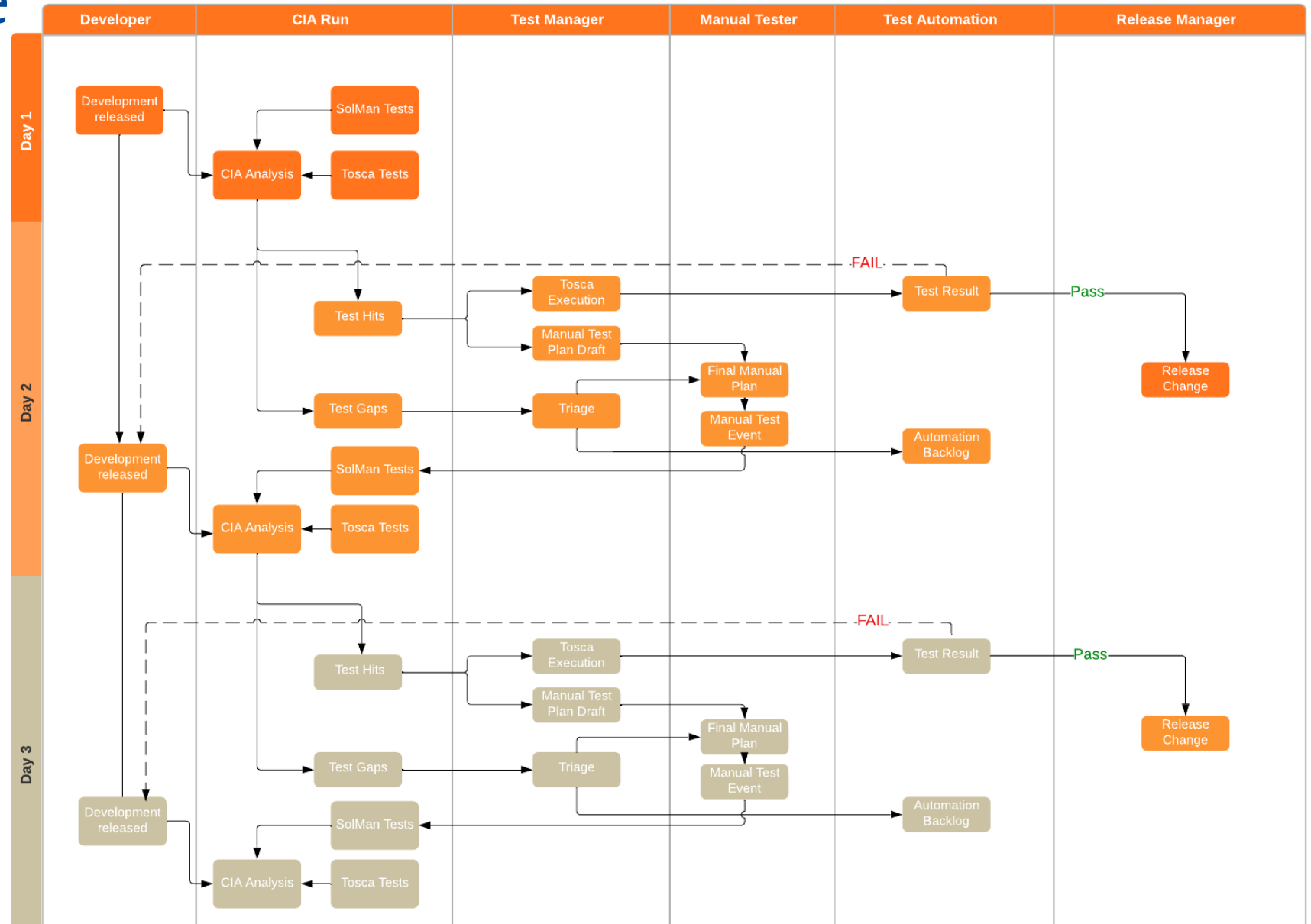
Authorization NOTE Impact Identifies the impacted and most-at-risk application capabilities based on AUTHORITY-CHECK OBJECT updates to objects introduced by SAP Notes.	Code Guard Reports on used standard-vs-custom, used-vs-unused custom, used and unused by application area, and custom code quality.	Impact for Security Assesses the impact of security changes on SAP end-users.	Used Objects Reports on used standard vs. custom, object types, test coverage, users and license type assignments.
Code Watch Run and optimize custom code analysis based on transports, ChaRM change requests, named objects, development classes and developers.	Compare Objects Compares SAP objects between two systems. The objects to compare can be specified by name or with a Select List.	Cross System Impact Analysis Cross system impact analysis designed for gateway deployed Fiori implementations supported by a back-end SAP system.	Survey Survey Role usage. Results include: users who have been assigned the single role(s); what tcodes are in the single roles (if assigned); whether a user is being assigned only single role or via a composite role (containing the single role); whether a user has actually used the tco...
Discover Reusable Tests Searches the test repositories of a pipeline for existing tests that cover used executables.	Fix My Code Fix custom ABAP code to work with SAP HANA.	Find Similar Roles Given a set of authorization criteria, find roles that are similar.	Compare IMG Compares IMG tables between two SAP systems. An optional 'Columns to Compare' parameter can be used to exclude or include specific table columns from the comparison.
Heal Tests Identifies modules and test cases that depend on changed screens.	Impacted Custom Code Identifies custom code that requires remediation because of changes in SAP dependencies.	Chronograph Measure investment in custom programs by year for the specified SAP instance.	Release Assurance Find the missing changed objects that should be reviewed for inclusion in this release.
Package Disassembler Package disassembler.	Retrofit Analysis Identify code and data that should be synchronised between the DEV systems of two pipelines (Source and Target). Analysis begins on the user-defined Start Date.	Smart Impact Analyzes the impact of change on your SAP system to find the most-at-risk to test. Specify the change as a list of transports, a ChaRM project, or simply a list of objects. Integrate with Tosca, qTest and other test repos to identify test hits and gaps.	Short Dump Watch Provides a summary of SAP short dump data that has been retrieved for the specified Pipeline. The pipeline's usage system is the SAP system from which the short dump data is retrieved.
SAP HANA Migration Assessment Perform an S/4HANA migration assessment that produces an overall project dashboard report and summary plus detailed reports for development, testing, integration, security, and training. Works with SAP Business Suite on HANA and SAP S/4HANA.	SAP HANA Upgrade Analysis Perform an SAP HANA upgrade assessment that produces an overall project dashboard plus detailed reports to help fix impacted custom code, prioritize standard SAP testing, and surface vulnerable integration points. Works with HANA to HANA version upgrades.	Test Audit Reports which Most-at-risk objects (tokens) have been executed in QA, and whether tests for those tokens have been run in your Test Repository.	Custom Apps

Fit For Purpose

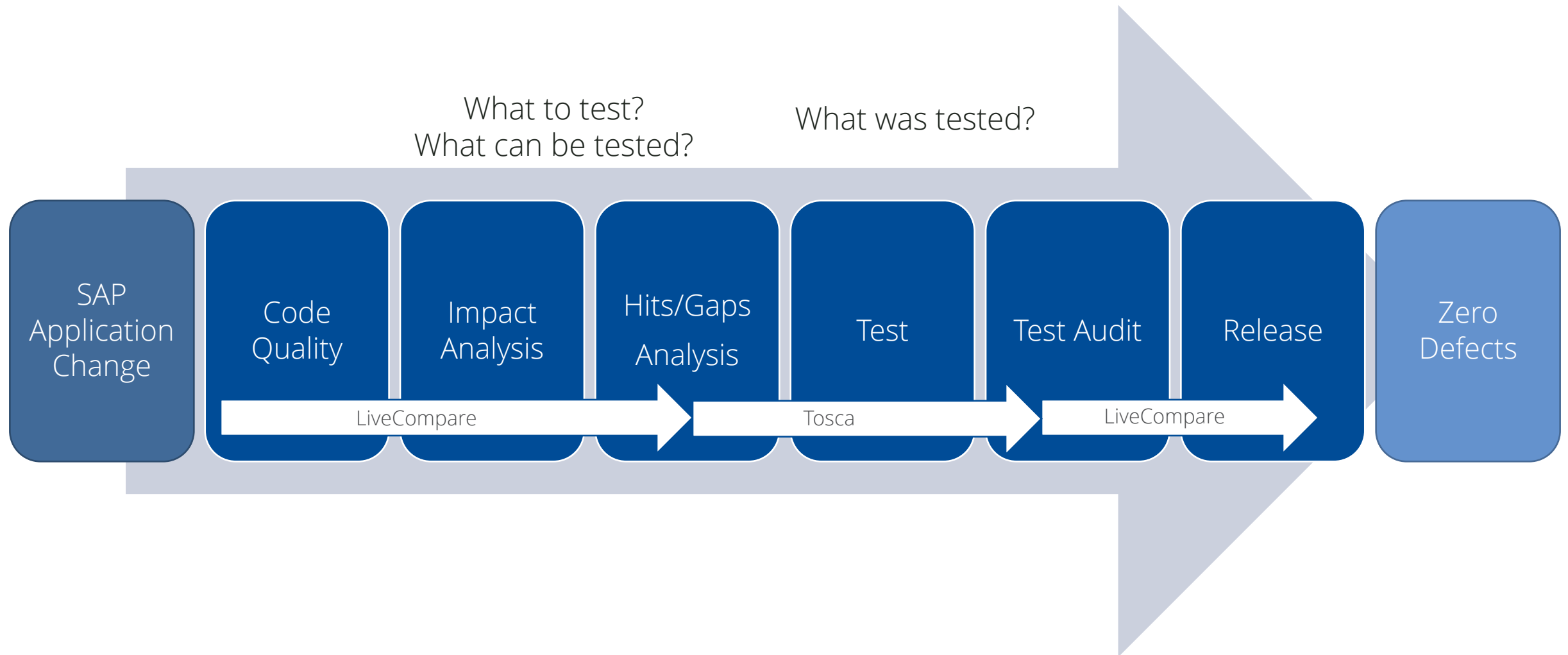
- Transparency of change
- Triage relevant actions
- Measure Tosca Backlog
- Measure Quality
- Establish Quality Gates

→ Most at Risk paired with Risk based Testing and transparent Backlog management

→ Quality Assurance Governance is a key to success



Smart, Continuous SAP Application Testing



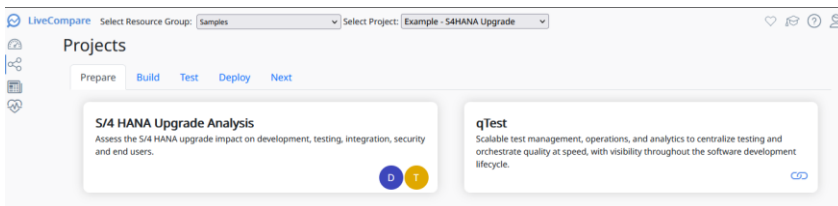
Projects

Define which apps and external product links supporting SAP lifecycle event.

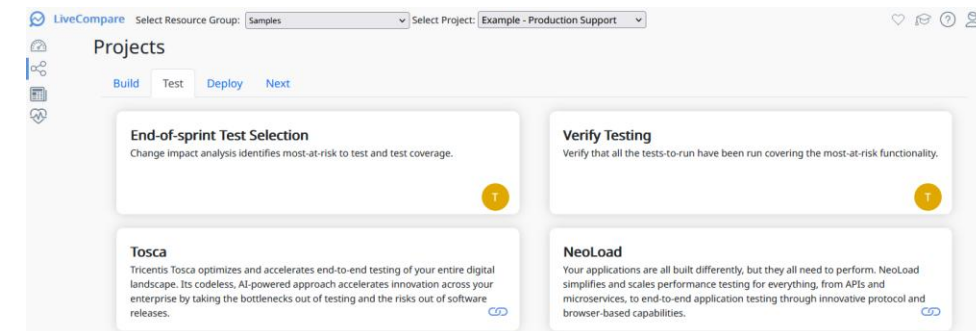


Each project is based on a project template, which includes:

- The steps defined
- Relevant apps and app categories



ments and help topics

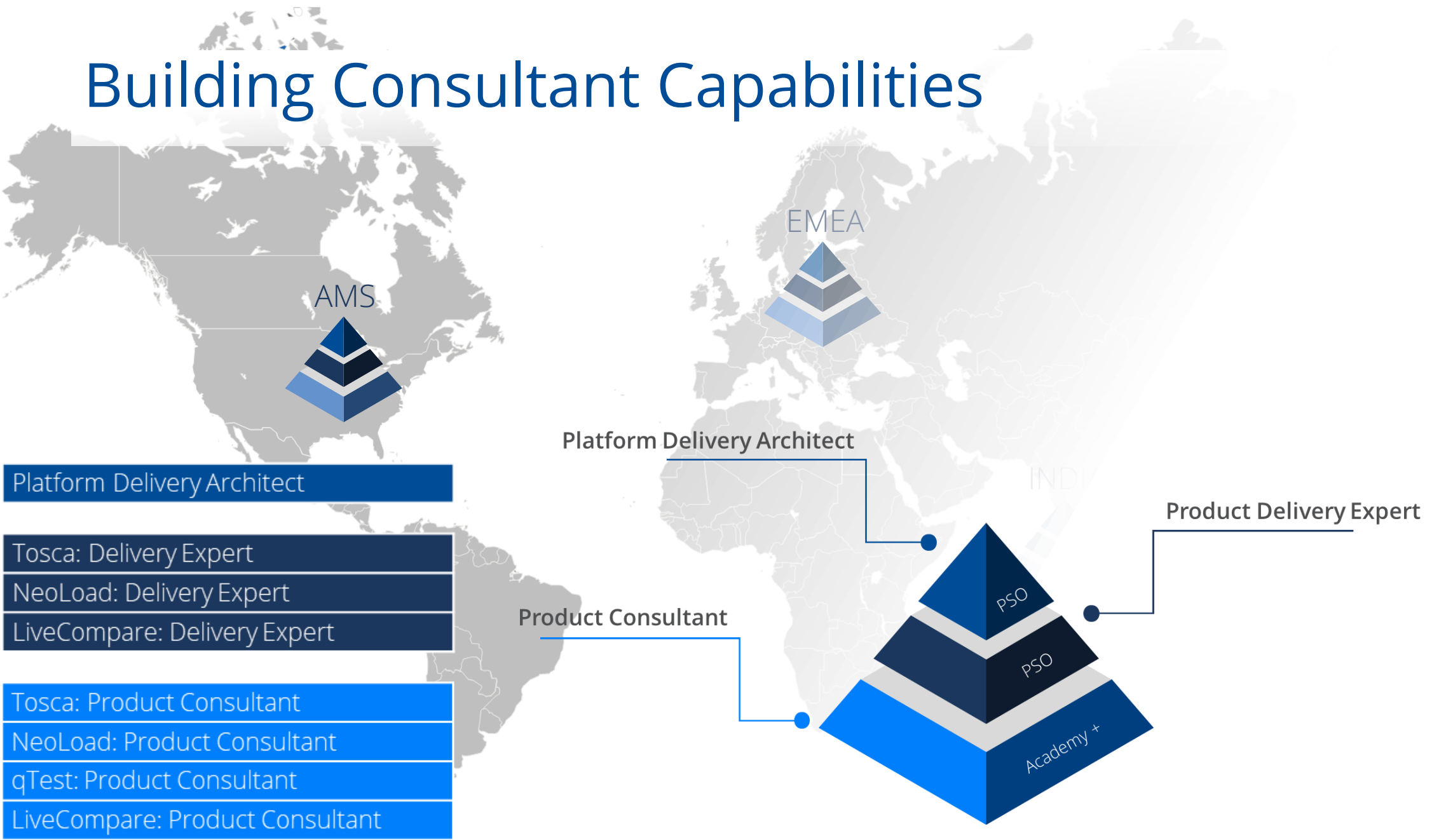


CIA Usage Examples

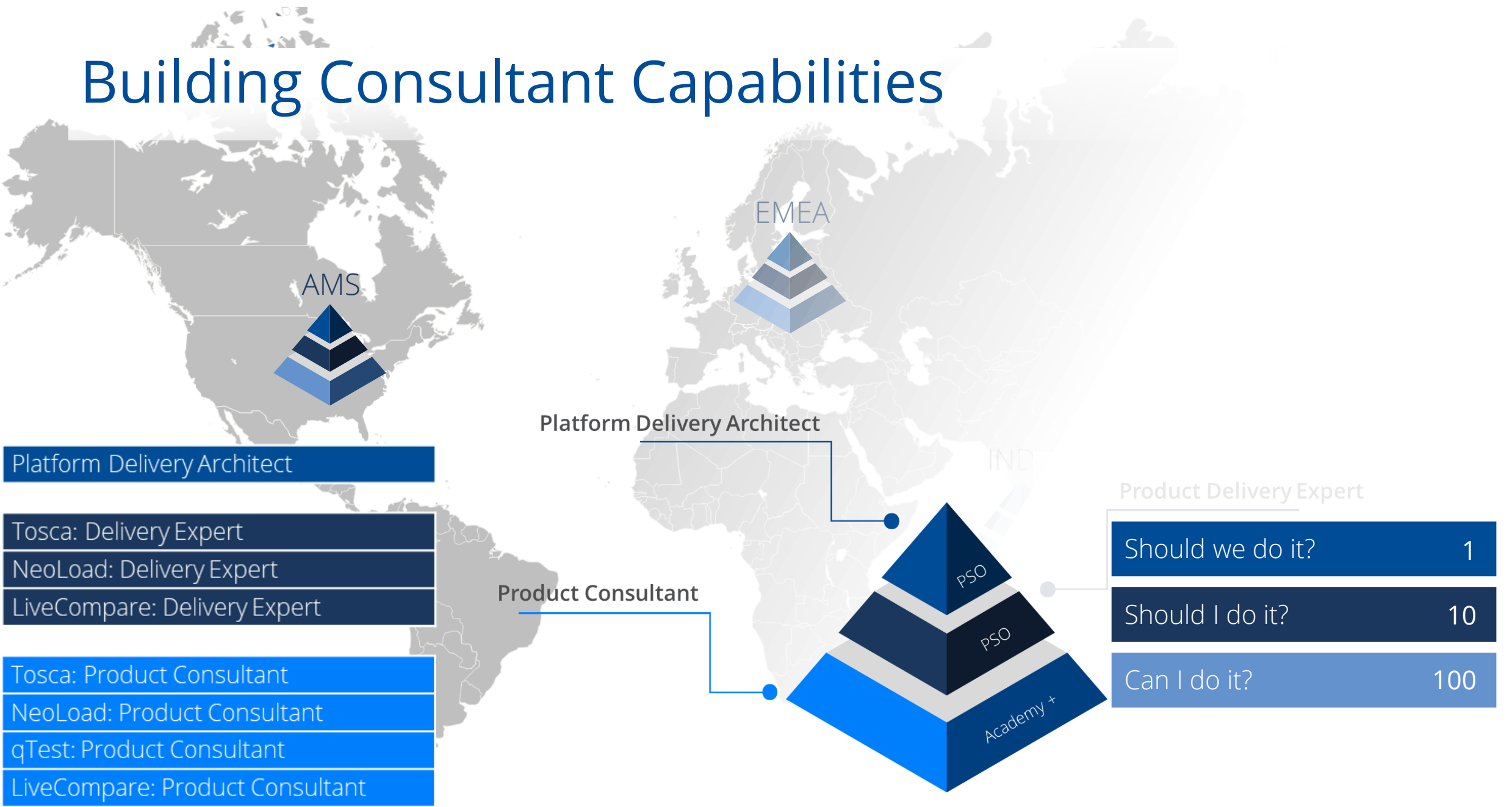
Team	CIA Apps	Regular Execution	Execution for Major Releases	Execution for Minor Releases	Execution for Upgrades	Execution to analyze SAP Notes
Development	CodeWatch	Weekly- Daily				
	CodeGuard	Quarterly				
	Impacted Used Custom Code				X	X
	Heal Tests				X	X
	Compare Objects	Weekly- Daily				X
Testing	Smart Impact Analysis		X	X	X	
	Test Audit		X		X	
Security	Authorization Note Impact				X	X
	Impact for Security				X	X
Operations	Compare IMG	Weekly- Daily				
	Release Assurance		X	X	X	
	Short Dump Report	Permanently				
	Compare Custom Objects		X	X	X	X

A well-trained team is the foundation of success

Building Consultant Capabilities



Building Consultant Capabilities



Building Consultant Capabilities



Platform Delivery Architect

Tosca: Delivery Expert

NeoLoad: Delivery Expert

LiveCompare: Delivery Expert

Tosca: Product Consultant

NeoLoad: Product Consultant

qTest: Product Consultant

LiveCompare: Product Consultant

7 courses
12 courses
20 courses
9 courses

Delivery Options

Self-Paced

SME Assisted

Instructor-Led

Designed for Partner
Implementation
Consultants



Product Consultant

Role-based



Role-Based Learning

Thoughtfully designed roadmaps to success that you can complete at your own pace, 24/7. Each path has a tailored learning approach for you to best utilize our continuous testing platform. Complete the path that fits your testing role and prove your skills through exams.

Tricentis Customer Role Paths

CATEGORIES

FILTERS

neoload

X

Q

NEWEST TO OLDEST

4 Items in NeoLoad

Tricentis Academy

New

Learning Path

Performance Architect for Tricentis NeoLoad

10 courses | 20h 57m

Learning plan

Tricentis Academy

New

Learning Path

Performance Engineer for Tricentis NeoLoad

9 courses | 20h 45m

Learning plan

Tricentis Academy

New

Learning Path

Performance Tester for Tricentis NeoLoad

7 courses | 20h 19m

Learning plan

Tricentis Academy

New

Learning Path

Administrator for Tricentis NeoLoad

3 courses | 2h 08m

Learning plan

Tricentis NeoLoad Product Consultant

Your Path to become a certified Tricentis NeoLoad Product Consultant

[Learning plan](#)







Learning plan description

**Overview**

[Show More](#) ▾

Courses in the Learning Plan




12 E-learning | 23h 3m average time

	How to Configure your project settings in Tricentis NeoLoad Web Mandatory EN E-learning 2h 00m	▾
	Creating and configuring a Zone in Tricentis NeoLoad Web Mandatory EN E-learning 07m 00s	▾
	Tricentis NeoLoad Fundamentals – Testing application performance Mandatory EN E-learning 10h 00m	▾
	Getting started with Tricentis NeoLoad Mandatory EN E-learning 1h 26m	▾
	Tricentis NeoLoad Deep Dive — Advancing performance testing and analysis Mandatory EN E-learning 1h 25m	▾
	Getting started with RealBrowser in Tricentis NeoLoad	

Enrollment options

ENROLL

Learning plan details

-  Average completion time
23 hours 3 minutes
-  Time to Complete
Unlimited access
-  Learning plan ID
LP-GVPO30

Building Consultant Capabilities



Platform Delivery Architect

Tosca: Delivery Expert

NeoLoad: Delivery Expert

LiveCompare: Delivery Expert

Tosca: Product Consultant

NeoLoad: Product Consultant

qTest: Product Consultant

LiveCompare: Product Consultant

Implementation
Methodology

Delivery Best
Practices

Implementation
Rehearsal

Delivery Expert
Certification

Case Method
Instruction

- ~~1. Virtual~~
2. Public
3. Private



Product Delivery Expert

LiveCompare User Roles & Enablement

Roles

Administrator

- Project management
- User management
- Changes Settings
- Installation & Upgrades

Training 2

Editor

- Set up connections (*)
- Prepares prerequisites
- Schedules workflows

And

- Creates workflow
- Creates custom Apps
- Debugs errors

Training 3

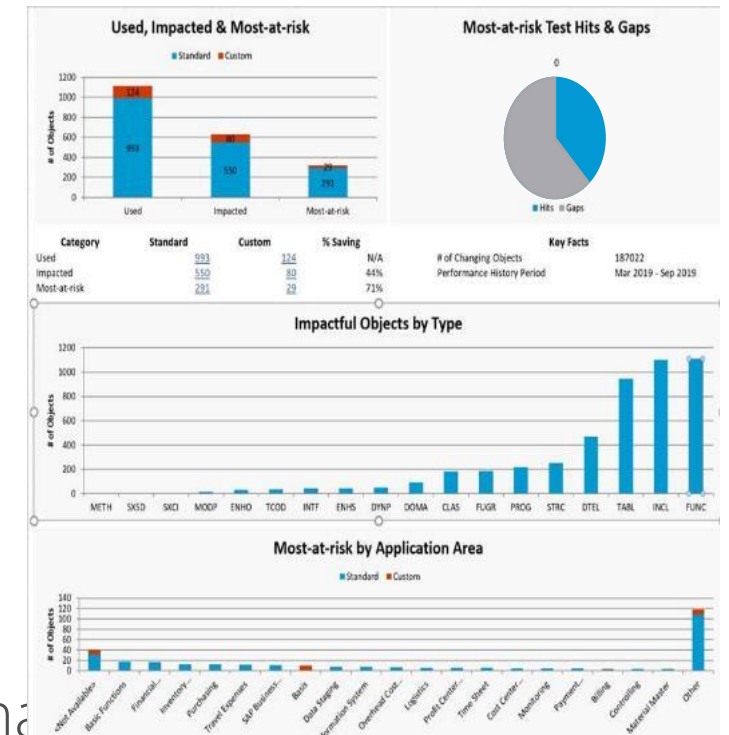
Consumer

- Executes Apps
- Use Dashboard
- Interpret Results

Training 1

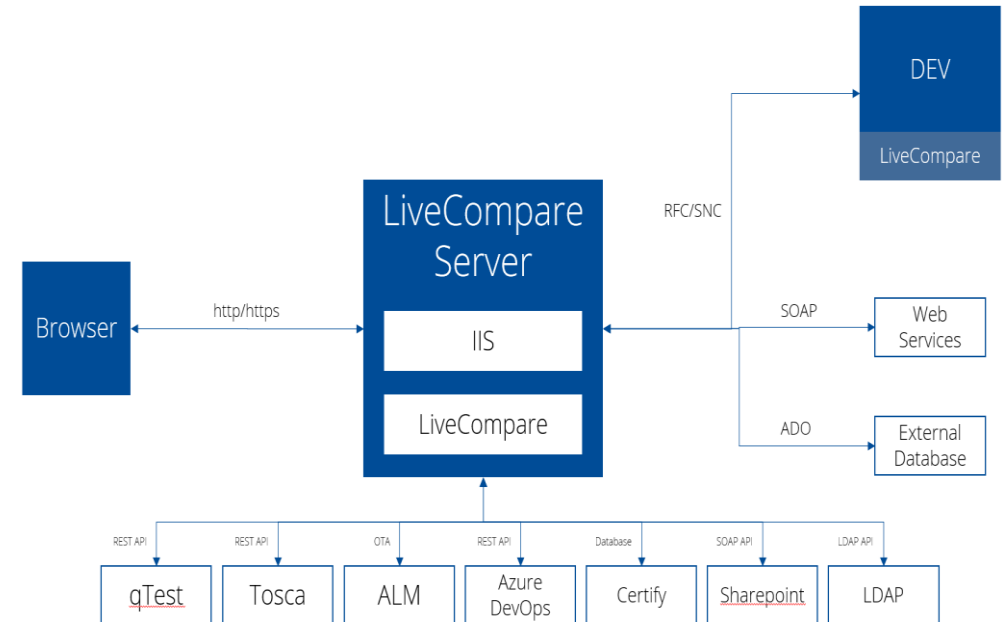
Training 1 - Consumer

- Introduction
- LiveCompare Overview
 - Standard Apps
 - Administration
- LiveCompare Consumer dashboard
- LiveCompare Smart Impact Analysis in Detail
- Continuous Impact Analysis and Developer Impact Analysis
- CodeWatch
- S4Hana Assessment



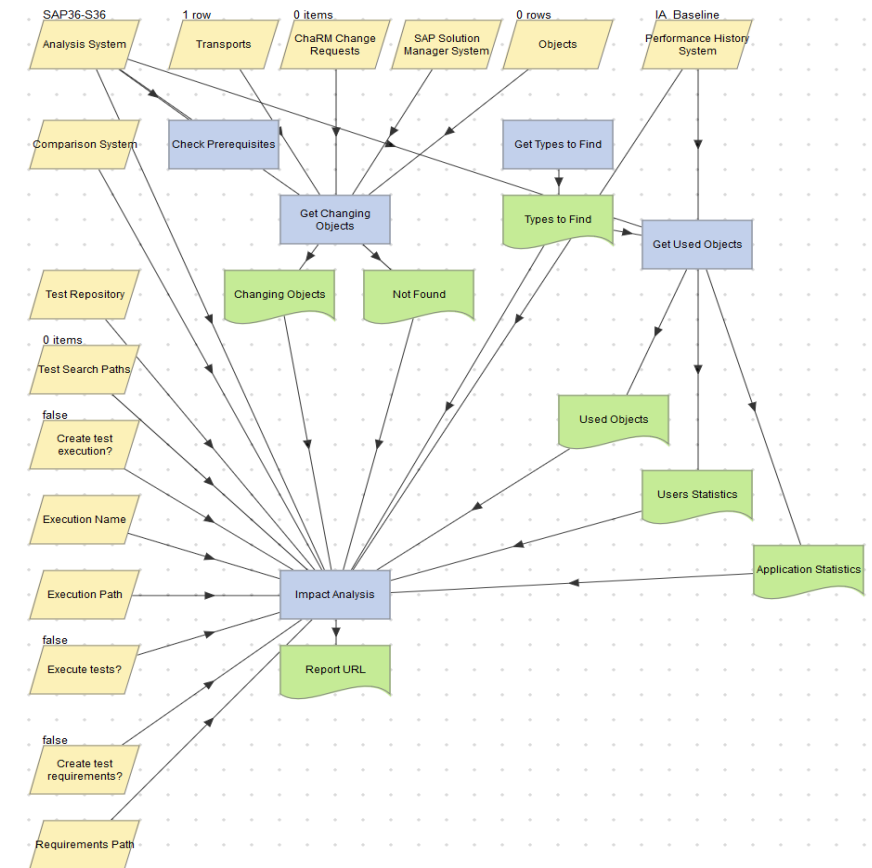
Training 2 - Administrator & Basic Editor

- Administration Tasks
 - User and Project management
- SAP & Test repository connections
- LiveCompare prerequisites setup
- Maintenance tasks
- Scheduling default workflows
- LiveCompare Installation & Upgrades



Training 3 - Advanced Editor

- LiveCompare Editor - Studio View
- Building Workflows
- SQLite Basics
- Data Manipulation
- Test Repositories
- Reporting
- Process Control
- Data Sources
- Workflow Library and Version Control
- App creation



Leverage Tricentis PSO and our Partners

SAP transformation expertise

- Define your success plan for Performance validation

Enable your teams

- Train your team with dedicated training and workshop to optimize value realization

EPT expertise

- Complement your team expertise with Tricentis consultants



Define your plan
Enable your team
Start early



SAP Solution Extensions