



NTT DATA Business Solutions

SAP Service Description Document for G-Cloud for:

SAP Test Automation and Test Management by Tricentis

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NTT DATA Business Solutions is a Global Value-Added Reseller of SAP and provides all SAP products in the same form as if they had been purchased directly from SAP.

NTT DATA Business Solutions

We Transform. SAP® Solutions into Value

We understand the business of our clients and know what it takes to transform it into the future. At NTT DATA Business Solutions, we drive innovation - from advisory and implementation, to managed services and beyond, we continuously improve SAP solutions and technology to make them work for companies - and for their people.

Aiming to transform, grow and become more successful? We provide you with more than in-depth expertise for SAP solutions: As your passionate partner, we connect your business opportunities with the latest technologies – and offer you a unique approach to get the job done as smoothly as possible. Our close ties to SAP and other partners give you access to innovative solutions and developments. Being part of the global NTT DATA group enables us to master any scope of project.

With operations in more than 30 countries, we have enabled thousands of companies become more efficient and effective during the last three decades. Our more than 14,000 experts around the world will also accompany you on your journey toward a truly intelligent enterprise – wherever you want to start! We have specialised in making SAP solutions work for companies – and for their people: We Transform. SAP® solutions into Value.

We are proud to be consistently recognised within the SAP ecosystem, having won multiple SAP accolades over the years. We are also delighted to announce our recent achievement of four SAP Pinnacle Awards in the categories of GROW with SAP, SAP Business AI Customer Adoption, Business Transformation Management, and Cross-Portfolio Success. These awards celebrate the exceptional performance of the world's foremost SAP partners, underscoring our commitment to excellence and innovation. With four wins and five finalist positions, we stood out as the leading winner in 2025. Additionally, our greatest asset and our most significant differentiator is our people. In 2025, the NTT DATA Group was named a Global Top Employer in 33 countries by the Top Employers Institute. This award highlights our dedication to creating a thriving work environment and confirms our status as a choice destination for IT professionals.

Service

Test Management and Test automation solution - SAP Enterprise Continuous Testing and SAP Enterprise Performance Testing by Tricentis.

Executive Summary

Digital transformation is transforming technologies across organizations worldwide

This digital transformation requires continuous change and continuous change requires continuous testing. By integrating and automating continuous testing across the layers of your enterprise solutions, you can accelerate deployment of application changes while reducing business risk, making testing a catalyst for innovation.

New technologies and ways of working drive business value and success, wherever your organisation is on its digital transformation journey from updating ERP applications to migrating to SAP S/4HANA with the RISE/GROW with SAP solution or adopting GenAI. With this shift, including generative AI, Organizations are leveraging AI and innovative solutions to automate systems, processes to accelerate decision-making, and scale efficiently to meet the demands of the digital economy. Digitalisation empowers you to become an intelligent enterprise by consolidating distributed application instances, reducing data and process silos, driving data-driven operations, and supporting cloud and hybrid solution environments.

Changes such as these affect your end-to-end business processes, which can be complex and span multiple SAP and third-party software systems.

Resilient continuous testing that accelerates innovation

Accelerate your migration with SAP Solution Extensions that enhance software-testing processes, enabling a faster and more optimized move to the cloud. SAP application testing solutions by Tricentis helps simplify and cost-effectively optimize your software-testing processes by offering below solutions

SAP Enterprise Continuous Testing

SAP Enterprise Performance Testing

SAP Enterprise Data Integrity Testing

SAP Change Impact Analysis by Tricentis

Test Management by Tricentis

SAP Enterprise Continuous Testing :

Manual testing isn't up to the task of testing business processes in a dynamic environment and can slow release cycles, increase business risk, and add resource costs. With continuous, automated testing, you can speed things up while minimising risk and reducing costs. This enables you to deploy application changes faster, accelerating your pace of innovation while helping ensure your business stays running.

SAP Enterprise Performance Testing:

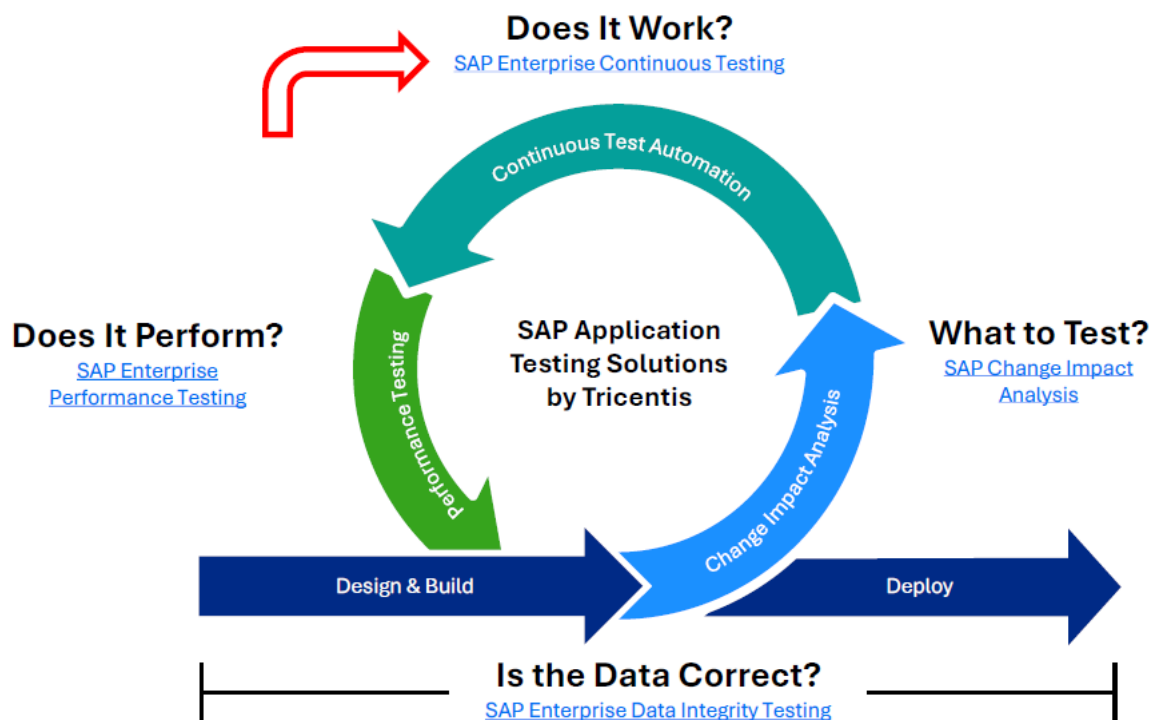
Performance testing is a crucial element of continuous testing, helping ensure your core and custom applications, as well as software upgrades and updates, meet performance, capacity, stress, and peak user requirements

SAP Enterprise Data Integrity Testing :

SAP Enterprise Data Integrity Testing by Tricentis (SAP EDIT) is a cloud-based, automated data testing solution designed to ensure the accuracy, consistency, and integrity of data across SAP and non-SAP systems.

SAP Change Impact Analysis by Tricentis :

SAP Change Impact Analysis by Tricentis is a cloud-based, AI-driven solution that helps organizations understand the impact of software changes across their SAP landscape and prioritize testing to reduce risk and accelerate delivery.

**Test Management:**

qTest is a user-friendly test management tool for test planning, organizing, and executing manual tests according to project schedules. It offers scalable, AI-driven Test management and analytics to centralize testing and ensure quality throughout the implementation lifecycle.

Solutions:

SAP Enterprise Continuous Testing solution by Tricentis (SAP ECT)

Business-focused test automation

SAP Enterprise Continuous Testing solution by Tricentis (SAP ECT) features advanced automation and artificial intelligence functionality that streamlines testing across SAP and third-party software applications. The cloud-based solution is flexible and scalable to fit the needs of your organisation. Its support for a broad range of applications and technologies facilitates a unified approach to automation that replaces the need for multiple testing solutions.

SAP Enterprise Continuous Testing enables testing within your continuous integration and development processes, giving development teams fast feedback to keep pace with agile methodologies. The solution's model-based approach does not require coding expertise to use. Business users are empowered to record automated tests on their own, freeing them from having to retest the same functionality in the future and allowing testing to occur earlier and faster.

SAP Enterprise Continuous Testing by Tricentis aligns testing with business priorities to keep critical processes running in rapidly changing environments. The solution's risk-based focus drives efficiency by testing business-critical functions first to help ensure serious defects are found and fixed early. A business risk dashboard provides real time insight into release readiness so you can deploy changes with confidence.

Speed release cycles by orchestrating and scaling testing
across teams, projects, and applications.

Sustainable automation for dynamic environments

SAP Enterprise Continuous Testing by Tricentis simplifies and automates testing across the layers of modern enterprise architecture – including APIs, the Web, mobile solutions, and custom and packaged application user interfaces. From a single, intuitive interface, you can define complete tests across multiple technologies, analyse test results, and automatically update tests as applications evolve.

SAP Enterprise Continuous Testing is built to enable robust, sustainable test automation for today's fast-paced application update schedules. Test-case design technology determines the most efficient set of test cases and data for optimal risk coverage, accelerating execution and facilitating maintenance and debugging. Intuitive, model-based test automation relieves the maintenance burdens that can undermine test automation initiatives. When applications change, you can rapidly update the testing models, and any impacted tests are automatically synchronised.



Automate testing to **increase efficiency and coverage** with fewer resources.

Transparency and real-time insights

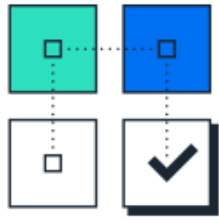
SAP Enterprise Continuous Testing provides real-time insights into risks, along with business-focused, actionable results. The solution fosters collaboration to quickly expose critical defects and lets you integrate testing directly into your development ecosystem.

With SAP Enterprise Continuous Testing, you can take a systemic approach to identifying and tracking risk in new software rollouts. You can better ensure appropriate data is available to automated tests and simulate the behaviour of dependent systems unavailable during test execution. Solution readiness reports increase visibility and let you know when risks in a release have been addressed, removing the need for expensive and time-consuming postproduction fixes.

Business-focused test automation
reduces risk across the enterprise.

Solutions for comprehensive testing support

SAP Enterprise Continuous Testing is part of a family of solutions focused on continuous testing as part of the application lifecycle management (ALM) continuum that integrates with and complements the SAP Cloud ALM solution as well as SAP Solution Manager.



Solve testing challenges quickly and **optimize**
the return on your technology investment.

Benefits

1. Faster innovation and software releases
2. Lowered risk to essential business operations
3. Cost savings by addressing issues earlier
4. Easier-to-use solutions for business users, minimizing their testing work
5. Enhanced visibility and up-to-date insights

SAP Enterprise Performance Testing Solution by Tricentis

The SAP Enterprise Performance Testing solution, delivered by Tricentis, provides cloud-based performance testing capabilities that are accessible to both developers and testers whenever needed. This solution is designed to help organisations ensure that their SAP systems, including SAP Fiori applications, SAP S/4HANA, and various cloud-based components within the SAP Business Suite—such as SAP SuccessFactors and SAP Ariba—are able to scale effectively in response to user demands.

By making performance testing available on demand, this solution supports the verification that critical SAP applications and services can handle expected workloads. It enables teams to proactively identify and mitigate potential performance bottlenecks, ensuring a seamless user experience as the organisation's digital landscape evolves.

SAP Enterprise Performance Testing enables you to test both on-premise and cloud SAP applications, as well as third-party solutions, to ensure positive user experiences. It provides automated performance testing of critical business processes and helps reduce operational risks beyond what's covered by functional testing.

Gain insights into real-world performance

SAP Enterprise Performance Testing evaluates application performance under heavy user loads in real time. It tracks trends and issues, enabling you to create custom reports with flexible detail. The solution compiles results from various load-testing scripts into an intuitive interface, offering transaction failure details, HTTP request and response data, and resource utilization metrics like CPU, memory, and network usage. Reports are standardized for consistency across tools. Features such as team access, account management, and single sign-on allow sharing results with stakeholders. The platform offers comprehensive insights, from broad overviews to detailed analytics.

SAP Enterprise Performance Testing provides **revealing insights and details** – from holistic to granular.

Test apps where they run

SAP Enterprise Performance Testing allows simulation of business processes across deployment environments, supporting APIs, microservices, and applications. It features drag-and-drop test design, converts functional tests to performance scripts, and supports SOAP, REST, WSDL, and OpenAPI, making performance testing accessible without coding.



SAP Enterprise Performance Testing covers your enterprise from APIs and microservices to **comprehensive application testing**.

Run integrated solutions for testing support

SAP EPT enables continuous testing within the application lifecycle, integrating with SAP Solution Manager and SAP CALM. SAP EPT supports best practices for continuous integration and deployment, advanced automation, and AI-driven testing. SAP Change Impact Analysis by Tricentis helps assess technical and business risks, create targeted test cases, and report when changes are safe to deploy.

Maximize the return on your technology investment by **accelerating software testing** and the delivery of business innovation.

Accelerate performance testing and business value

SAP Enterprise Performance Testing accelerates performance testing with scalable, cost-effective tools, enabling rapid issue identification and real-time reporting. It standardizes testing across environments, delivering faster insights and consistent quality, driving business value, productivity and preventing downtime through a unified interface and real-time reporting.



With **intuitive testing deployed at scale**, SAP Enterprise Performance Testing can make business and development teams more productive within weeks.

Benefits

- Ability to scale from tens to tens of millions of users in minutes to simulate global traffic
- Support for open-source testing tools and scripts, DevOps, and agile development
- Advanced test provisioning and bottleneck analysis
- Unified reporting interface
- Integration with SAP Fiori apps and cloud solutions from SAP

SAP Enterprise Data Integrity Testing by Tricentis

The SAP Enterprise Data Integrity Testing solution by Tricentis provides automated data testing that helps maintain the accuracy of your data – wherever your data travels and whatever happens to it on its journey.

- Cloud deployment
- Comprehensive data testing across SAP and third-party technologies
- Low-code and no-code automation that reduces the effort to create custom tests
- Prescreening, reconciliation, profiling, vital, logics, and a variety of other tests

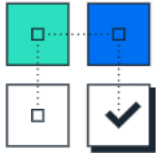
Make better decisions based on verified data insights

SAP Enterprise Data Integrity Testing by Tricentis delivers automated data testing to ensure data accuracy across varied sources and processes. By closing gaps in existing data management strategies, it helps prevent unnoticed discrepancies that could disrupt business operations. The solution provides comprehensive coverage regardless of data origin or use, enabling businesses to rely on accurate, verified information for decision-making and improving overall data quality and process reliability.

Extend the reach of your data management software

SAP Enterprise Data Integrity Testing checks data by comparing information from the source to the target to ensure they match. When mismatches are found, it automatically alerts the relevant users about inaccurate data. The solution also offers recommendations for fixing these issues and ways to prevent future discrepancies. Whether your data comes from SAP or third-party systems, of any type, source, or format, this tool lets you test it across your application and analytics setups. Its advanced testing features help identify weaknesses in data management and suggest where improvements can be made. Instead of replacing your current data-quality and testing solutions, SAP Enterprise Data Integrity Testing works alongside them, addressing gaps with automated error detection that enables faster and broader data

testing. Using only single-point solutions might leave holes in your coverage—SAP Enterprise Data Integrity Testing is designed to fill those gaps.



Point solutions can leave dangerous gaps in your test coverage. **Fill those gaps** with SAP Enterprise Data Integrity Testing.

Test data whenever and wherever you want

SAP Enterprise Data Integrity Testing automates validation at every stage of data-intensive business processes, improving efficiency in areas like invoice processing and customer service. It checks data integrity, accuracy, and consistency, detects errors early, and uses profiling and pre-screening to ensure data meets required standards and formats

This feature lets you confirm that data loaded into staging tables has the appropriate structure and formatting. The solution ensures each field's data matches your criteria, including permitted values and specific formats.

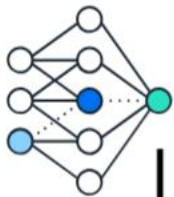
Enhance your data management strategy

Low-code and no-code automation tools enable testers, business users, and data teams to collaborate in building a wide variety of automated tests that detect more data anomalies. Since these tests are model-based, they reduce both the time and complexity involved in maintenance, allowing you to adapt quickly to evolving business requirements. SAP Enterprise Data Integrity Testing supports the management of routine tasks as well as unexpected issues. This solution helps prevent errors from affecting your data during updates to critical applications. It also integrates seamlessly with ongoing data-cleansing efforts by unifying previously fragmented data-quality initiatives across separate tools. Furthermore, it offers large-scale verification, processing vast amounts of data both quickly and efficiently.

Reconciliation testing compares data from different sources, such as files to databases or between two databases. These tests can use algorithms or evaluate each row individually across two distinct systems. Additionally, reconciliation tests can be linked to specific transformation requirements, offering immediate insight into which requirements have been tested and their success or failure outcomes.

Validate data and improve business processes

SAP Enterprise Data Integrity Testing helps you verify data migrations to platforms like SAP S/4HANA. It checks data from your analytics tools, including SAP Analytics Cloud and third-party software. This solution integrates easily with other systems and can enhance many business processes. For example, it can monitor compliance data to strengthen anti-money laundering and "know your customer" operations related to payment processing. It also validates data for tax reporting, fraud and corruption reports, and environment, health, and safety submissions.



Catch more data errors up front,
reduce your data management gap,
and increase confidence in your data.

Benefits

6. Comprehensive data testing across SAP solutions and third-party technologies
7. Enhances efficiency and saves time by providing accurate, up-to-date data for business operations.
8. Empowers employees to make fast, confident decisions because they trust the integrity of the data.
9. Improves data quality at scale, enabling better business decisions and more reliable processes.
10. Supports the creation of differentiated customer experiences, allowing for timely and effective problem resolution.
11. Enables the development of personalized offerings, such as targeted sales promotions, that address customers' specific needs and increase sales opportunities.

SAP Change Impact Analysis by Tricentis

SAP Change Impact Analysis by Tricentis is an AI-powered solution that identifies and prioritizes the risks introduced by SAP software changes—whether standard updates, custom code modifications, or migrations (e.g., to SAP S/4HANA). It helps organizations accelerate testing, reduce costs, and improve release quality by focusing on the most critical areas impacted by change.

Risk identification across your SAP landscape

CIA analyzes the SAP ecosystem to identify changes that pose technical and business risk, so you know exactly where potential breakages may occur

Targeted, risk-based regression scope

It helps you select the right test cases for the specific changes instead of running broad, time-consuming suites—streamlining effort while maintaining assurance.

Release readiness reporting

CIA provides reporting to indicate when changes are safe to deploy, increasing transparency for change approval boards and release management.

Support for end-to-end processes

Benefits apply across SAP Fiori, SAP S/4HANA, and cloud solutions like SAP SuccessFactors and SAP Ariba, ensuring coverage where business users operate

Benefits:

12. Reduced regression time and effort
13. Lower business risk
14. Improved transparency for change and release stakeholders

qTest Test Management by Tricentis:

Track and manage test executions

qTest Manager provides an intuitive experience for test execution. With qTest, you can plan, assign, and execute your tests with confidence. This offers visibility into your entire lifecycle across projects, builds, cycles, suites, and more.

Unlike other testing tools, qTest's test execution capabilities aren't limited to one methodology. Whether your team is focused on manual, automated, or exploratory testing, qTest Manager has you covered.

Tricentis Vera is another powerful e-signature/document validation tool that enhances/accelerates digital validation particularly in Lifesciences/Pharma industries



Test smarter

Standardize testing across projects, and hit software delivery targets, with easy-to-use test management built for Agile teams.



Test faster

qTest Manager's UI is built for fast test run planning and test execution, without limiting how these runs are organized into releases, cycles, and test suites.



Test at scale

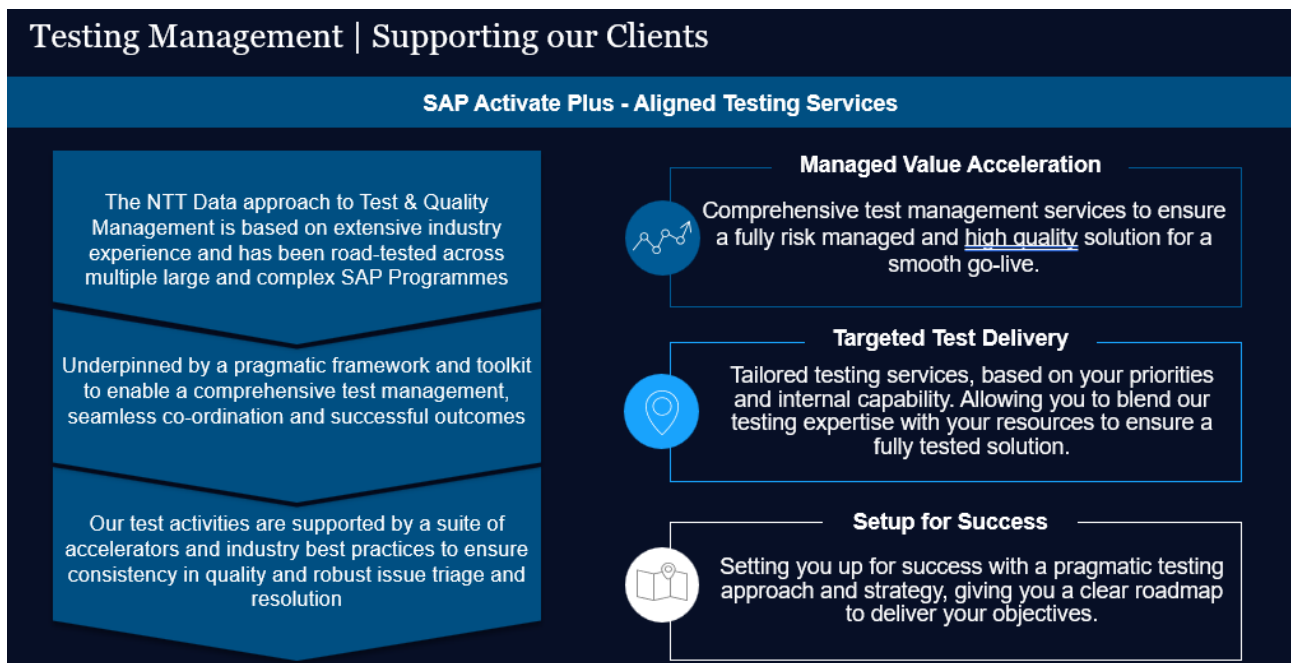
qTest is designed to scale as your organization grows, with enterprise-grade functionality, flexibility, reporting, and administrative features.

Benefits:

15. Centralized Test Management – One platform to plan, execute, and track all testing activities for full visibility and control.
16. End-to-End Traceability – Links requirements, test cases, and defects across tools (including JIRA)
17. Connects with automation frameworks and pipelines for faster, continuous delivery.
18. Defect Management & Synchronization – Manage defects in qTest or sync with Jira to streamline collaboration.
19. Reusable Test Assets – Enables version control and reuse of test cases across projects, reducing duplication and effort.
20. Real-Time Reporting & Analytics – Provides dashboards and insights for data-driven decisions and improved release confidence.
21. Accelerated Release Cycles – Shortens test cycles and reduces risk by orchestrating manual and automated workflows.

NTT Data Business solutions -Testing services

NTT Data Business Solutions offer fully owned Test Management and advisory consulting services for the implementation of Tricentis Test management and automation tools, available through our Lot 2 listing – NTT DATA Business Solutions - SAP Test Automation and Test Management by Tricentis



There are 3 Test engagement models as listed below

1. Managed Value Acceleration

In this engagement model we focus on maximizing the value and efficiency of your testing activities by leveraging proven accelerators and industry best practices. Key elements include:

Fully Supported Test Management: Comprehensive test management support is provided throughout the entire testing lifecycle—from initial planning and test design, through execution, defect management, and

reporting, all the way to go-live. This ensures that every phase is guided by expert oversight, best practices, and robust frameworks, resulting in a seamless and high-quality delivery.

Accelerators & Best Practices: Use of pre-built tools, templates, and methodologies to speed up test preparation, execution, and reporting.

Consistency in Quality: Ensures that every testing phase meets high standards, reducing variability and risk.

Robust Issue Triage & Resolution: Streamlined processes for identifying, prioritizing, and resolving defects quickly, minimizing delays and ensuring smoother project delivery.

Framework & Toolkit: A pragmatic framework underpins the approach, providing structure and guidance for comprehensive test management and coordination.

2. Targeted Test Delivery

This engagement model is about tailoring the testing approach to your organization's specific needs and priorities:

Tailored Testing Services: Testing activities are customized based on your business objectives, risk profile, and internal capabilities.

Blended Expertise: Combines your internal resources with our testing specialists to ensure stronger collaboration and coverage

Clear Roadmap: Provides a structured plan for delivering testing objectives, ensuring all stakeholders understand their roles and responsibilities.

Comprehensive Test Management: Covers all aspects of testing, from planning and execution to reporting and handover, ensuring nothing is missed.

3. Setup for Success

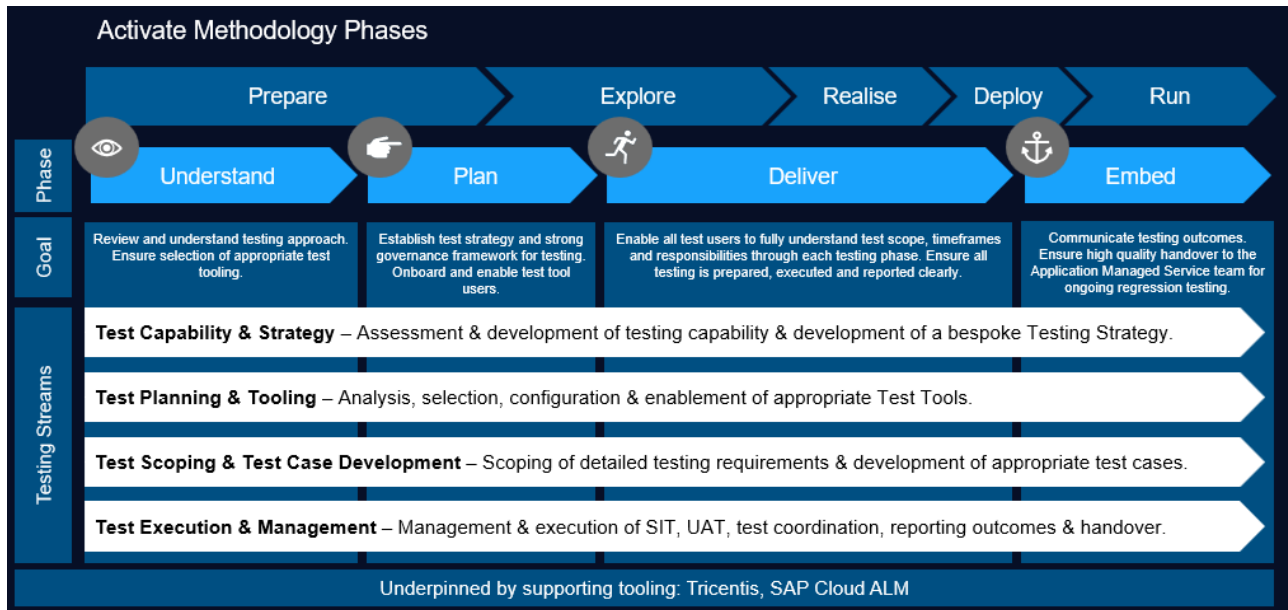
This engagement model sets the tone for the entire implementation to be successful which focuses on test advisory capabilities

Pragmatic Testing Approach & Strategy: Establishes a clear, realistic test strategy aligned with your goals and constraints.

Risk Management: Proactively identifies and highlight key testing risks to ensure a high-quality solution and a smooth go-live earlier during the earlier phases of Test planning

Testing Phases Aligned with SAP Activate

Our Testing Methodology is structured to align with SAP Activate phases



22. **Discovery:**
Understand the customer's context, begin preparatory work to formally kick off the Test relevant test engagement model
23. **Prepare:**
Hold relevant workshops to perform test capability/ review overall testing approach, recommend suitable test tools relevant for the implementation
24. **Explore:**
Establish a robust test strategy and governance framework. Onboard and enable teams on the chosen test tools and develop a detailed testing approach to ensure readiness for planning and scoping.
25. **Realise:**
Detailed test planning including test kick off sessions – to outline test scope, test responsibilities and testing time frames. Develop test cases and execute testing activities, including System Integration Testing (SIT) and User Acceptance Testing (UAT), with transparent reporting.
26. **Deploy:**
Handover to the Customer supporting readiness for ongoing regression testing and Hypercare support.
27. **Run:**
Provide continuous regression testing and support to maintain application quality post-deployment via test automation

Throughout all phases, the methodology is supported by tools provided by Tricentis or SAP Cloud ALM ensuring effective planning, execution, and reporting of testing activities