

QAS
Quality Assurance Studio

QAS

A central requirement of any effective software testing process is to rely on a systematic approach. At its core, such a process must include the comprehensive documentation of test cases and problems found to ensure efficient test repeatability. In fact, only a systematic approach will ensure an effective assessment of software quality and reliable information about test and development status – and thus provide the basis for a successful software test management.

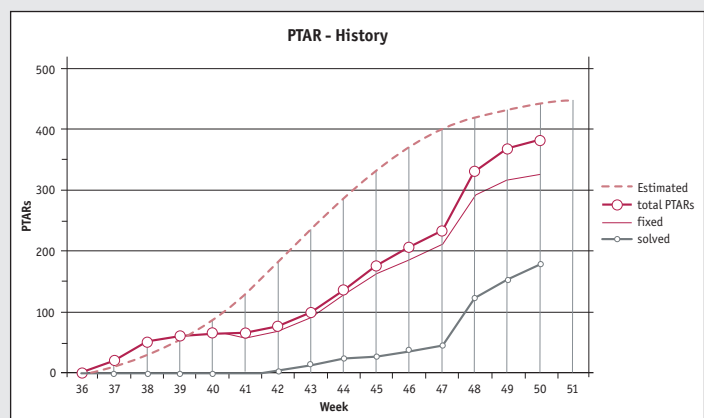
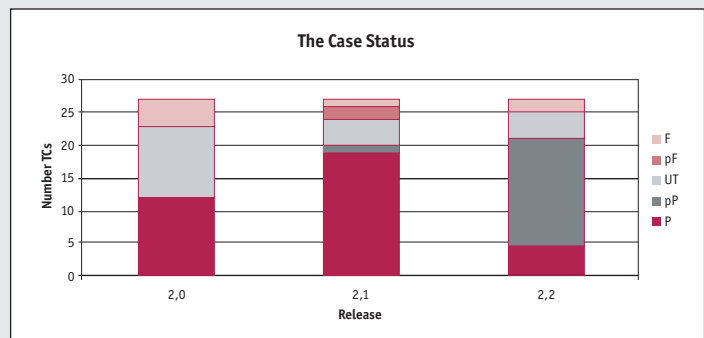
At the same time, the software development process has become extremely dynamic: Product requirements frequently change during the development phase, while the basic technical framework and programming languages used may differ according to the required task. And, with modules increasingly provided by partners, decentralized – even global – development is part of today's reality.

Such a highly flexible environment makes effective software testing the only sure means of getting accurate answers regarding a development's status and quality level. To be effective, however, the test process needs to be standardized, and a common platform must be available with which managers can organize and document tests throughout the entire product development cycle.

Obviously, performance requirements for such a platform are high:

- It must support both distributed development and central analysis and reporting. Ideally Internet-based, the platform will be available to all participating test and development teams.
- Ease of operation must be assured for a variety of different users – be they technical systems experts or the organizational stakeholders who must test the product's functionality.
- Because individual projects rely on their own unique structures, procedures, processes and responsibilities, the platform must be able to visualize all workflows relevant to the specific project at hand.
- The platform must also support the central management of test cases stemming from different projects, in order to enable common testing of all product components, comprehensive analyses and the repeated use of test cases.
- Because effective software testing relies on manual and automatic test execution, the platform should support both manual and automated testing – and therefore also provide interfaces to test robots.

QAS Quality Assurance Studio solution meets all of these requirements! Based on a concept devised by OBJENTIS test experts, the QAS toolsuite was developed by software experts. It integrates experience gained on countless software projects to help steer management's focus toward a more practical technical decision-making and the economic considerations of the enterprise.



An **all-in-one solution**, QAS is a universal platform that supports all stakeholders – be they developers, testers or managers – for purposes of project planning, test management, problem documentation and requirements management, through to project management and controlling, for both manual and automated software testing.

QAS offers all the advantages of a **groupware** application. Using IBM Lotus Notes as the stable platform, access is provided – even for a large number of users – via both client and web browser.

With QAS, distributed workflows thus become a reality. Whether the team is a small one or comprises several departments within a large corporation, QAS can be used nationally as well as internationally at various sites (e.g., for near- and offshoring).

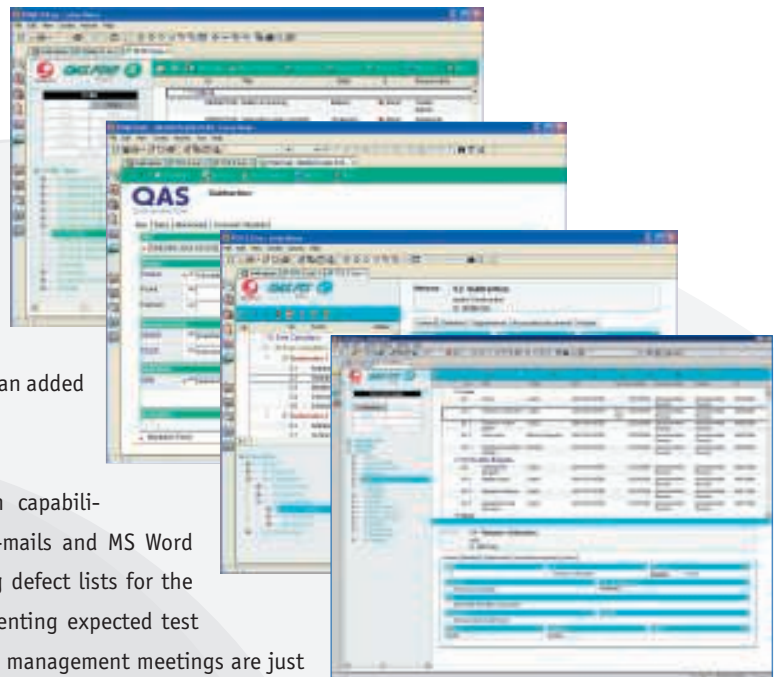
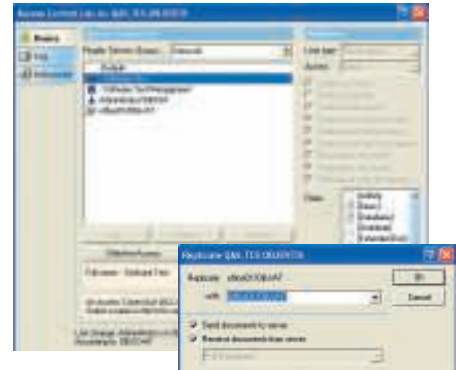
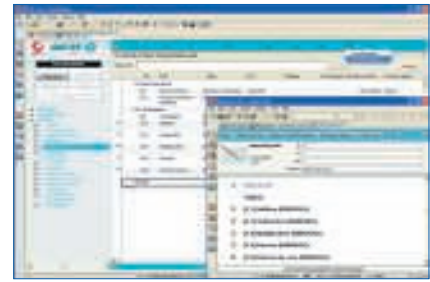
User authorization rights can be precisely defined according to even the most stringent company security criteria – a critical functionality, especially when the processes involved are related to IT governance and/or controlling, as is the case for software testing!

QAS additionally supports the visualization of **Workflows** for the entire testing cycle, based on a thoroughly thought out role model that enables the distribution of tasks – and their successive, systematic execution – for all development and test team members. The standard QAS package comes with a pre-defined, generalized workflow, but visualization can also be tailored to the precise processes, role models and responsibilities required by the client enterprises.

Integration of the QAS toolsuite into existing system landscapes is made possible by XML interfaces, and the solution also supports no-fuss connection to other software components. The convenience of central management via the IBM Lotus Notes Domino Server for platform maintenance and/or expansion is an added advantage.

QAS additionally offers an ideal office-integration capability through direct connection and exportation of e-mails and MS Word and Excel files. Preconfigured templates for creating defect lists for the weekly problem report from QAS.PTAR or for documenting expected test outlays and time requirements from QAS.METRICS for management meetings are just two examples of how the platform can help simplify the daily work routine.

Whether using QAS as an all-in-one solution, or individual QAS components, pre-configured settings and formats that permit immediate use in a diverse range of client development and test environments are provided. Being an in-house development, QAS comes with the added assurance that OBJENTIS experts will be available to **customize** the QAS suite to meet each client's specific needs. As a result, the QAS toolsuite offers a truly individualized platform for meeting any software testing challenge.



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QAS.TCS serves as the central platform for the entire test team. Integrating professional test management functionality, QAS.TCS enables a clear visualization of the defined tasks and test scenarios, including project and resource planning views. The solution furthermore facilitates a well-structured approach to creating and executing both manual and automated test cases.



Designed specifically to enhance communication between the development and test teams, QAS.PTAR supports a highly efficient, fully documented error tracking process. Problems can be conveniently documented, prioritized and automatically assigned to the responsible developer or tester as they are found. In addition, all development and testing cycles can be evaluated and displayed using the customizable views.



QAS.CREQ places relevant information pertaining to change requests at the fingertips of project decision makers. The solution's advantages include ease of documentation and display of all data required for the comprehensive evaluation, approval and implementation of change requests.



QAS.METRICS is a decision-making platform that provides project and test managers with the latest information regarding project progress. Expected error rates, test-related cost and time requirements, even a quantitative measure of test coverage can be calculated using QAS.METRICS – thus enabling accurate predictions of future test progress and more timely planning decisions.



QAS.DESK is a first-level support tool that permits trouble ticket results to flow directly into further development and testing. By tracking the frequency of customer inquiries according to specific problem areas, the information can be used as a foundation for future product development.

System Requirements

Client: Windows 98/NT/2000/XP, MacOS X (10.1, 10.2)

Server: Windows NT/2000/2003, AIX, OS/400, z/OS, Linux, Solaris 8/9

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