Seamless Operation

Test bed integration efficient and reliable

Hyper

From Measurement to Knowledge

Test

TBA

Perfectly integrate Test Beds into the Test Process

The test bed adapter HyperTest TBA is a universal, high-performance software solution that integrates test beds into the process chain, from test planning through test execution on to data management. It is designed to ensure consistent and process-safe test management without any media breaks and contributes to assuring quality, reducing costs and increasing efficiency in the test field.

The modular architecture of HyperTest TBA provides many options to connect test management, data management and test bed automation systems based on plug-in modules. As it supports various communication methods and data formats, it offers a high degree of flexibility.
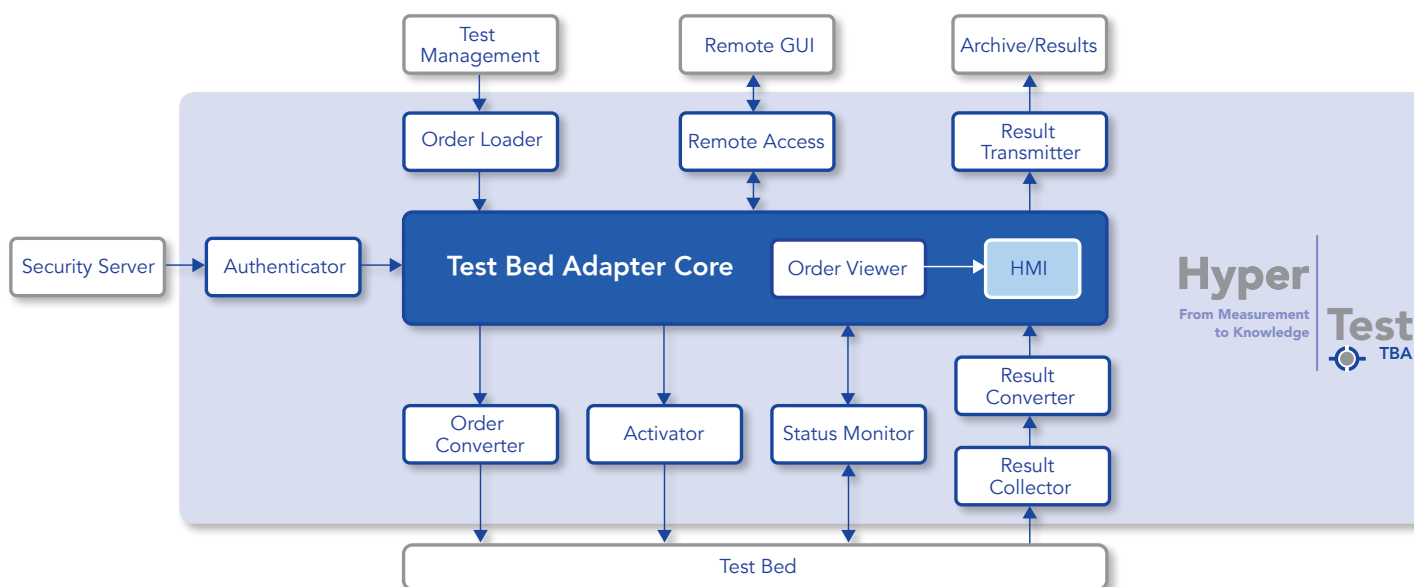
werum
SOFTWARE & SYSTEMS

Facilitator between the Systems

Looking at the test field as a whole, you will often find a very heterogeneous landscape with many individual test bed automation systems. At the same time, digitization initiatives to improve the efficiency in all test fields are advancing in order to meet increased quality requirements. Werum's HyperTest is a suitable platform to fulfill these tasks as it can be employed as uniform test planning and data management solution to administer and support the entire test process.

Test beds often show a high diversity, which poses a major challenge when integrating them into equally varying test processes. Here, HyperTest TBA acts as facilitator between the systems involved. Being an interface application, it fetches data from the test management system and supplies them to the test bed automation. It also collects the result data from the test bed and transfers them to a centralized data management or archive system.

HyperTest TBA fully integrates the test bed into the overall test process workflow. In combination with intelligent automation systems like Werum's WTCS platform, it acts as silent facilitator in the background. For test beds lacking relevant capabilities, HyperTest TBA provides important test management functions directly at the test bed. Besides order retrieval and result data transfer, these functions also include local editing and management of orders as well as test execution monitoring and the collection of result data. Such a full integration ensures efficient and reliable operation in the test field.

Quality Assurance

Reliable processes.

Transfer of test orders and result data without any media breaks. Test execution documentation and completeness check of result data.
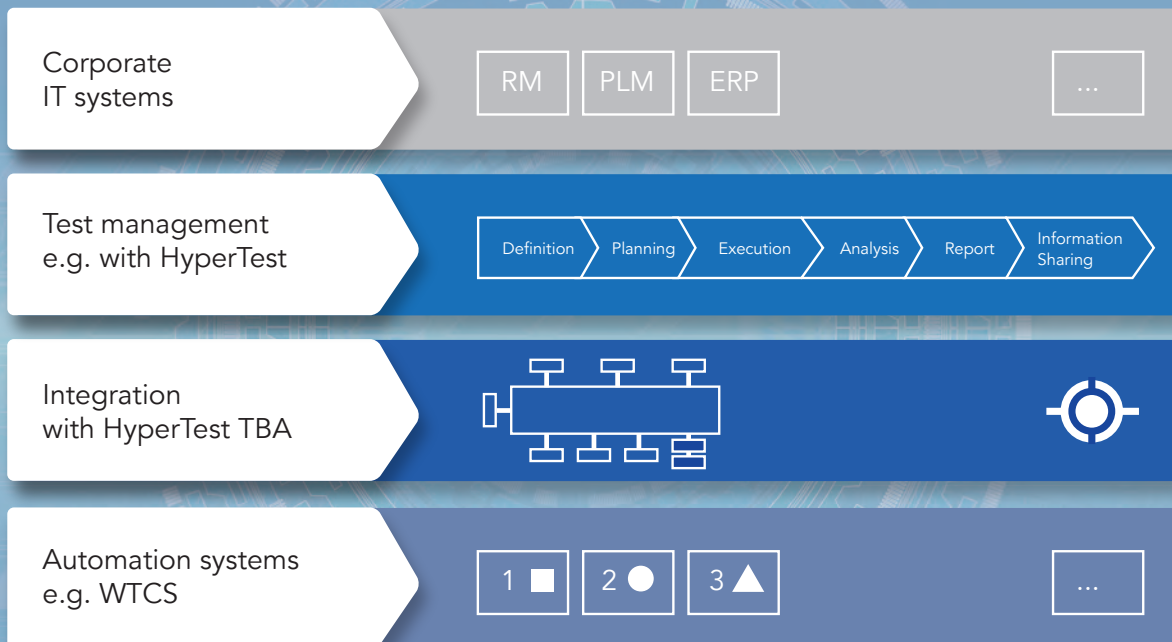
Efficiency

Automatically accomplished.

The automation of tasks and a uniform look and feel simplify workflows, reduce mistakes and prevent repetitions.

Cost Reduction

Clever savings.

Employing an established, uniform and modular platform solution avoids development and maintenance costs for individual custom solutions.

Corporate IT systems	RM	PLM	ERP	...

Test management e.g. with HyperTest	Definition	Planning	Execution	Analysis	Report	Information Sharing

Integration with HyperTest TBA

Automation systems e.g. WTCS	1 ■	2 ●	3 ▲	...

Interfaces

HyperTest TBA provides interfaces to the test management, data management, test bed automation, and authentication services. The interface to the test management retrieves orders and passes them on to the test bed automation after converting them into the right format. With its further interfaces, HyperTest TBA commands the test workflow and monitors the progress of test execution. It collects the result data from the test bed and transfers them to the data management or archive system.

Before archiving the result data, HyperTest TBA can optionally summarize the result data, convert them into different formats and run automated analyses. For user login purposes, it can optionally be connected to a centralized authentication system. This way, automatic connection to corporate IT systems is easily possible.

Functions

HyperTest TBA offers essential functions to manage test orders and result data at the test bed and exchange these data with other systems involved. Users can interactively edit and execute test orders. During test execution, HyperTest TBA can also monitor the execution status.

For test beds having their own test management, HyperTest TBA performs format conversions between test planning, test bed and data management in automatic mode.

Plug-in Interfaces
of HyperTest TBA

- Retrieve orders from test management systems

- Transfer result data to archive and data management systems

- User login and centralized identification against connected systems

- Convert test order formats

- Process control

- Monitor test execution

- Collect result data

- Convert result data into the data management systems' formats

- Provide status information to and accept remote control commands from external systems

About Werum Software & Systems

With a workforce of over 130, Werum Software & Systems AG is one of the largest independent employers for IT professionals in Germany. For more than 50 years, Werum has been implementing sophisticated software and systems for customers all over the world, among them many renowned companies from the automotive and aerospace industry as well as scientific institutions and public authorities.

Werum's activities focus on the support of customer-specific processes in the core areas of test data and information management, earth observation, eGovernment and enterprise information management. The software solutions are based on platforms specially developed for these areas.

Diversity, reliability, flexibility and fairness are part of our philosophy and create the basis for sustainable customer relations. Werum offers its international customers well-founded application know-how as well as the knowledge and experience gained in many years of implementing most diverse projects and IT solutions. Already in the run-up to project implementation Werum assists customers in advisory capacity with regard to any IT-related aspects of the specific task setting. Long-term maintenance and servicing of the solutions supplied are a matter of course for Werum.

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