BL Test System
BL Load Test System

The test suite for EBICS servers

"Our banking server is ready for any situation."

Find out what your banking server can really achieve.

BL Test System

No compromises for core business: seamless functional tests and permanent quality assurance for EBICS systems.

Quality assurance with complete test processes

The provision of EBICS services, whether to link corporate customers or in clearing, is achieved using a series of interacting systems. Measures for quality assurance here must cover the complete functionality: starting with the ability to reach the service via backend processing to the correct response of the system. This can only be achieved with homogeneous testing processes that can act from here from a user's perspective. Incorrect functions in one or more of the systems involved can therefore be determined directly.

Automated processes

Manual test processes are not only extremely time-consuming and subject to errors — they also tie up important HR resources. Permanent production monitoring is therefore de facto only possible with automated functional tests. The requirements for automated test systems include operation without a GUI or notification functions, e.g. by email.

Real-time function test

The BL Test System offers the testing functions for the complete EBICS standards for Germany, France and Switzerland, as well as the *SCT Inst scheme* for EBICS real-time transfers, including
- Key management
- Sending and fetching files for all order types
- Creating electronic signatures
- Using Distributed Electronic Signatures (DES)
- Analysis of customer protocol with ticket display, DES, ...

In addition to EBICS, the system also supports other protocols, e.g. (S)FTP. Any customer-specific extensions can be added via plug-ins.

No surprises for changes to the system

Homogeneous test processes are particularly useful for ensuring the expected functionality during system changes. Whether importing an update or exchanging the EBICS server itself: Due to consideration from the external perspective, the functionality of the system as a unit is always guaranteed.

BL Load Test System

When being nearly certain is not enough:
Protecting the production systems
under realistic load conditions.

All components must be designed such that there are adequate reserves available at peak times. For meaningful tests, only such processes for which the whole system can be put under real loads are considered. For EBICS server systems, these are the various EBICS enquiries as are also provided by customers or linked banks. Bottlenecks in the participating systems, e.g. the database or host system, can be uniquely assigned and resolved.

Measuring the system as a whole

The BL Load Test system offers the full scope of functions for EBICS using the German, French and Swiss standard, but also for the *SCT Inst* standard of the European Payments Council, incl.
•Key management
•Fetching any files, incl. from-to requests
•Sending any files, with or without signatures
•Configurable, parallel load generation, incl. pauses
•Automatic ability to repeat test cases

Support for all EBICS functions

Realistic test cases require realistic payment files for send orders. The results are meaningful only if the data used incl. the account numbers, amounts etc. is also processed by the bank. The test system provides generators for this that allow the dynamic creation of files. The file generators are available for the most varied of formats, incl. SEPA and ISO-XML. For operators of the BL Banking Server there is also the option of generating load data in such a manner that it is not necessary to create the configuration on the server.

Simple test configuration using file generators and creating load data

The modular structure of the system allows your own simple extensions to be integrated into the test system using an API. Analogous to the functionality provided, these are configured using XML files. In addition to EBICS, other protocols can also be used for communicating with the bank system

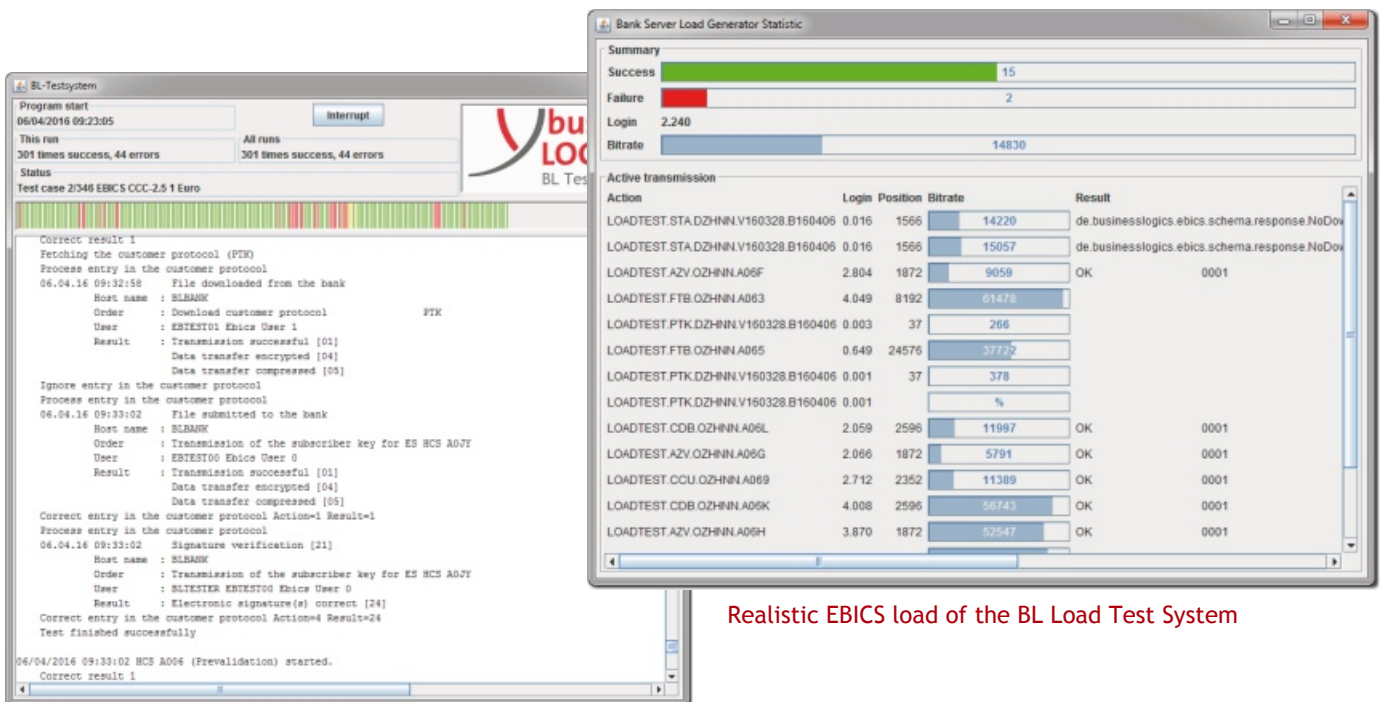**Proprietary formats and extensions using plugins**

System requirements

Operating system	Microsoft Windows or Unix systems (Linux, AIX, Solaris, ...)
Software	Java Runtime Environment in version 6.0 or later

We are happy to offer interested parties a fully functional test version in their system environment so they can convince themselves of the performance of the EBICS Test Suite.

Talk to us - our EBICS experts are happy to answer questions and provide additional information.

EBICS function tests using BL Test System

Realistic EBICS load of the BL Load Test System

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