

Test and Validation of File Processing

The KaNest®-File tool allows users to test and validate file processing. It secures that batch programs process files in accordance with given formats.

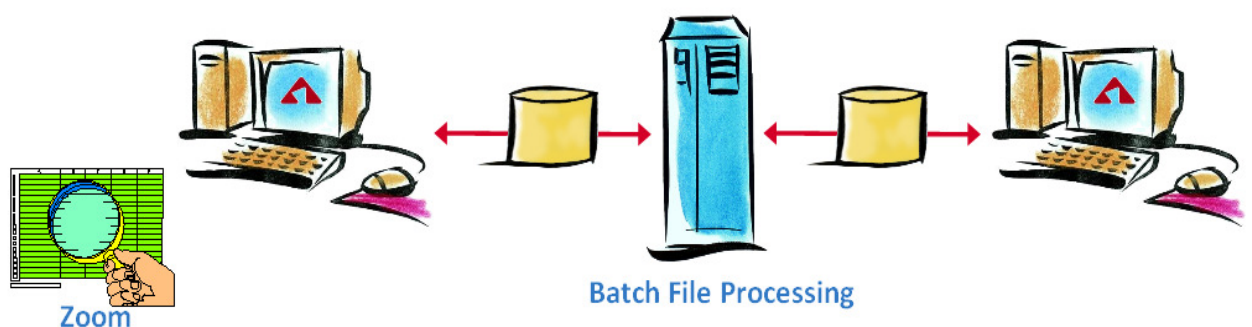
KaNest®-File can be used in the different steps of the test cycle and enable test automation:

- functional validation;
- regression testing;
- qualification.

KaNest®-File is your best partner to test, evaluate and certify all systems which exchange and process files.

Key features

- Automated file control
- File comparison
- Automatic production of test data
- Format compliance checking or validation process
- Data aging and anonymizing
- Fixed, ISO 8583-based and XML-based formats
- Full cryptography (EMV algorithms...)
- Test automation
- Control by an external software, like HP Quality Center Software
- Automation with KaNest®-Supervisor



Galitt Advantage

KaNest®-File, an innovative tool, built from the well-known range of Galitt simulators:

- KaNest®-File is leveraging 25 year's experience of Galitt in testing and simulation.
- KaNest®-File makes significant savings in the validation of file processing.
- KaNest®-File includes many functions to analyse, compare, display and automate; it enable to simulate any file format to test a wide range of applications.
- KaNest®-File is a consistent solution which completes the KaNest® product range to support and ease the big transformations of payment systems (EMV, SDD, SCT...).

STANDARDS SUPPORTED

From XML-based formats to the various versions of the ISO 8583 standards, KaNest®-File supports a very large file formats, including fixed or tabular format. Concepts of the KaNest® range rely on the "Conformance testing methodology and framework" as defined in the ISO/CEI 9646-1.

ARCHITECTURE

KaNest®-File is designed on 3 levels:

- the Engine which manages files and transfers, application of rules and formats, test execution and the set of elaborate functions of simulation;
- the Repository which defines the file format, automated rules of control and analysis;
- the Workshop which defines the Test Suites implementing Test Cases and validation requirements to be applied to the handled files.

AUTOMATION

KaNest®-File can be driven by:

- the KaNest®-Supervisor utility to set up a process of automation of test campaigns;
- the HP Quality Center Software to industrialize the validation process.

ZOOM MODE LICENSE

This license allows the user to directly open file to display and modify the content. This file view automatically highlights format errors and enables to correct them manually. The modified file can be then saved.

This license also gives the ability of creating a file from scratch according to a given format.

TEST EXECUTION LICENSE

This license includes the rights of the Zoom Mode license. In addition it allows the user to easily run Test Suites previously implemented, in a manual or automatic way. For each test, automated pass or fail verdicts are generated. Test results are given in a proprietary format comprising a huge set of easy-to-read information.

KaNest®-File also provides an integrity mechanism to ensure that the test environment has not been altered by the users.

FULL EDITION LICENSE

This license includes the rights of the above two licenses. In addition it enables to:

- implement and maintain Test Suites;
- create and modify file formats.

KaNest®-File also gives the ability to import file format from a regular description such as XSD, COBOL, Excel™...

Technical Specifications

Tested Functions

Application layers for

- Exchange systems
- File converters
- Batch processing
- Data logging and storage
- Batch acquiring systems

File Transfer

- FTP, FTPS and HTTP (native)
- M/Q Series

File Formats

- XML
- ISO 8583 bitmaps
- TLV Fields (Tag Length Value)
- Fixed and delimited fields
- ASCII, EBCDIC...

Format Import

- XSD
- Excel file
- CLAUSE COPY COBOL

Standards

- SEPA formats based on ISO 2002 (SCT & SDD)
- Formats based on ISO 8583 (MasterCard IPM, CB2A File...)
- Fixed length (VISA Base II, VISA SAFE, MasterCard ECCF, CB2C, SWIFT, EDIFACT CFONB, PAYMUL, VCOM...)
- Proprietary formats

Hardware Configuration

Single PC (4GHz or above)

- Windows™ 7 SP1
 - Windows™ 8
- 32 or 64 bit

