

Infraxis X

IQS
Testing

[infraxis.com](https://www.infraxis.com)

IQS

Agile development, and the adoption of DevOps has increased the frequency of software releases to the production environment. These practices power innovation, by incrementally and frequently enhancing your customer experience.

But the demands on testing are increased and more frequent releases mean more frequent testing. If your testing processes

are highly fragmented, complex, and expensive to plan and execute, you are unable to innovate as quickly as the market now demands.

Infraxis IQS collaborative testing solution is designed for highly automated payments testing and can be used for functional, regression, performance and exploratory test strategies.

IQS Collaborative Testing – empowering efficient, reliable innovation through highly automated centralized testing

More About IQS

Collaboration

Infraxis IQS is entirely browser based and centralized. This approach is essential to drive efficiency – fragmented and distributed test apparatus, specialized hardware, licence dongles, and unversioned test data are eliminated. Teams can co-operatively develop and maintain testcases and testdata – think “Google Documents” of testing. All test results, logs and traces are stored permanently in a central database.

Testing

IQS Test Projects enable you to create multi-step test cases quickly and easily. Test cases can be organized and structured however you like. Most importantly they are centralized, and always available online from any workstation via a browser. Test data can be imported / exported from various sources including Microsoft Excel spreadsheets. Entire payments lifecycles can be simulated – IQS can generate card, account, embossing files and transmit them to your batch systems. It can execute all kinds of online financial transactions, and validate the results. It is capable of checking DB content – and by doing so can validate that your payment application performed correctly behind the scenes. It can generate or receive and validate clearing and settlement files to verify the financial impact from end to end. It can simulate destinations and provide tailored responses to requests from your payments system.

Automated Regression with IQS APIs

A huge advantage of centralized testing infrastructure is 24/7/365 availability. You can test fully automatically, hands-off with no human interaction required – by executing IQS test projects and test cases via our integrated API. These API calls can be easily integrated into your continuous integration / deployment mechanisms, so that hundreds or thousands of regression tests are performed on every deployment. The results of these tests are stored on the IQS database, can be sent to users by email or downloaded as a PDF test report.

Help YOUR Customers to Test

IQS is designed for multi-tenant access. Infraxis can help you – as a processor, acquirer or issuer – to create certification portals, allowing your customers to test their applications against your standards. The centralized, web-based IQS approach simplifies licence management (no dongles), simplifies distribution of updates, and simplifies validation of certification results. It gives your customers the flexibility to test at any time, and incorporate this testing into their own integration and regression processes.

Testing-as-a-service

Infraxis offers IQS as a securely hosted solution which can interact with your test environments via a site-to-site VPN with strict firewall controls, and industry standard data protection. There's no software to install on your own infrastructure and the Infraxis IQS services offer guaranteed scalability together with 24 x 7 availability. For customers preferring to host their own solution, Infraxis provides IQS as a locally deployed solution which can be installed and managed on your internal infrastructure.

IQS Technical Capabilites

Supported browsers

- IE11+
- Chrome
- Firefox
- Safari

Requirements for internal deployment

- Java 8 JDK & any OS which can run Java 8 JDK
- Java application container (e.g. Glassfish 4, JBoss, Weblogic)
- MySQL community edition database

IQS Technologies

Cryptography

- RSA, DES, 3DES, AES, EMV, PIN, MAC, DUKPT

Communication

- TCP/IP
- HTTP(S)
- SOAP

Messaging

- XML
- ISO8583
- ISO20022
- JSON / RESTful

Physical Cards

- USB reader using PC/SC via plugin
- EMV
- Contactless

Connectivity

- To any database or network endpoint

HTTPS RESTful API

- To execute tests and report on results

About Infraxis

We at Infraxis are proud of our growing reputation for delivering high quality, business focussed products and services, where our experience and efficiency combine with state-of-the-art technology to help empower our customers to continually reach their business goals.

Infraxis is a dynamic company with a strong footing in the electronic payments market. Formed in 2009, we set out to become the supplier of choice within the European financial processing market by offering outstanding solutions for processors of financial transactions.

Over the following years Infraxis built and deployed solutions for card issuers, fuel station operators and general retailers, helping prepare those businesses for expansion in today's highly competitive market.

Infraxis is also engaged by numerous internationally recognisable financial institutions to provide supporting services in the area of card payments.

Infraxis

infraxis.com

Infraxis Switzerland

Thunstrasse 68
CH-3074 Muri bei Bern
Switzerland
E: info@infraxis.com
T: +41 (0) 31 951 4011

Infraxis United Kingdom

Suite 20, 6 – 8 York Place
Leeds
LS1 2DS
E: uk@infraxis.com
T: +44 (0)113 451 0151

PayStorm - the business focussed, service oriented financial-processing solution from Infraxis AG.

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