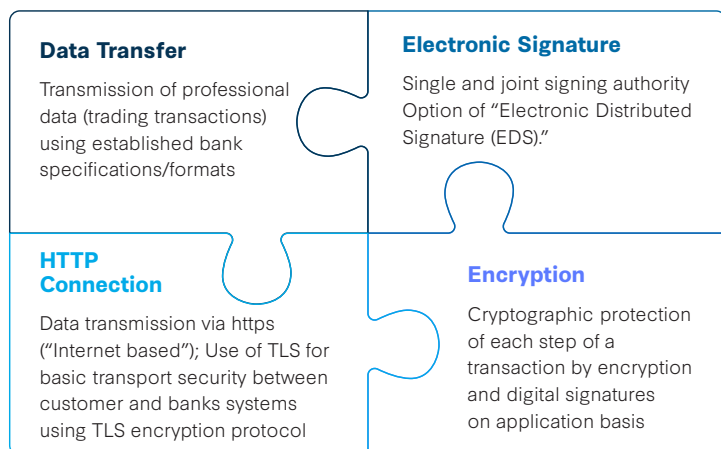DATA SHEET

EBICS 3.0 Client for SAP

The scope

For many organizations in Europe, the Electronic Banking Internet Communication Standard (EBICS) is gaining traction as the preferred choice over the FTAM Protocol or other proprietary bank-specific e-Banking products. EBICS is the DK-standard for secure data transmission between a customer and a financial institution.

It offers significant differentiators, which include:

- State-of-the-art technology, international standards like XML, HTTPS, TLS and ZIP

- Highest security protocol possible i.e. encryption at transport and application level

- Single access for all business transactions, such as direct debits and credit transfers, status messages, account statements, cash management, etc.

- Involvement of service providers through multi-level signature concept and location, and time-independent authorization of submitted orders (DES)

EBICS seeks to accelerate the adoption of this standard at international level, allowing banks to use EBICS as a single communication standard to exchange messages securely. The development is facilitated by the introduction of the new EBICS 3.0 protocol and is now emerging as a harmonization for various markets. EBICS also has a "multi-bank capability", which is generally suitable for corporate clients to address any bank that supports the standard. The main characteristics of EBICS transfer are:

Data Transfer

Transmission of professional data (trading transactions) using established bank specifications/formats

Electronic Signature

Single and joint signing authority Option of "Electronic Distributed Signature (EDS)."

HTTP Connection

Data transmission via https ("Internet based"); Use of TLS for basic transport security between customer and banks systems using TLS encryption protocol

Encryption

Cryptographic protection of each step of a transaction by encryption and digital signatures on application basis

FEATURES

- Supporting the new EBICS 3.0 format and the older versions

- Secure, standardized and automated communication with the EBICS network

- Key and certificate management

- Multibank capability out of the SAP system

- Bank statement processing

- Status message processing

- Compatible with SAP Bank Communication Management (BCM)

ADDED VALUE

- Payment medium transfer directly from the payment run

- True Straight-Through-Processing (STP) with no media breaks

- Receipt of the bank statements and status messages

- Storing the keys and certificates in the SAP secure store

- Transparent, comprehensible SAP application log

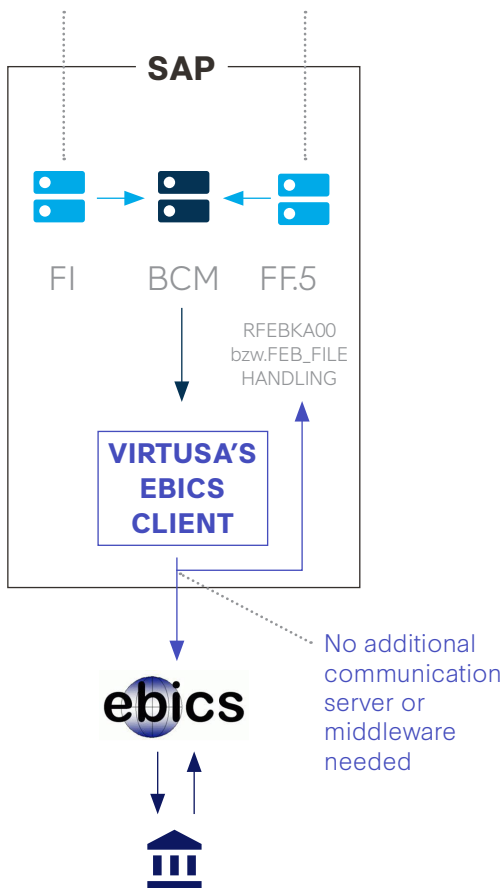- Fully integrated into the SAP environment and existing processes

Virtusa's EBICS Client for SAP enables highly secure, standardized data transfer between financial institutions and corporate clients with EBICS 3.0 or earlier protocol versions.

The solution is fully integrated into existing SAP infrastructure. EBICS communication is triggered directly from the SAP processes - a "real" STP without media breaks. Transfer of the payment media is possible directly from a payment run or via manual upload. Virtusa EBICS Client is also fully integrated into the release process of SAP BCM and enables automatic EBICS data transfer after the final BCM payment release. Account statements or status messages can be processed manually or via job-controlled direct pickup. The solution supports the use of the Distributed Electronic Signature (VEU) method.

Solution architecture

Payment data medium for SAP as well as any other external systems i.e. FI-CA, FS-CD, etc.

Optional integration of SAP BCM enables secure approval process using electronic signatures (A+B) and processing status messages

SAP

FI   BCM   FF.5

RFEBKA00 bzw.FEB_FILE HANDLING

VIRTUSA'S EBICS CLIENT

ebics

No additional communication server or middleware needed

The architecture allows a high degree of flexibility through BAdI implementations at strategic points.

Certificates and Key Management
Key management application to initialize and manage the certificates and user-specific bank keys. Secure storage and technical administration via the SAP Secure Store (STRUST).

Multibank Capability
Multibank capability through use of stored banks in SAP with the corresponding EBICS parameters in dedicated customizing table.

Secure Communication
Secure HTTPS communication with stored connection setting in SM59 (RFC). Identities of financials institutes is always ensured using server certificates and electronical signatures.

Approval Process
Integration of approval process in SAP BCM (BNK_APP to transmit the user-specific signature or the equivalent S/4 Fiori app called 'approve bank payments') and use of the process for Distributed Electronic Signature (VEU).

Transfer, Upload and Download
The transfer of payment medium directly from the corresponding event modules (event module 41) or via manual upload. Manual or job-controlled collection of account statements and status messages with the possibility of direct processing via BAdI.

Monitoring (BNK_MONI)
Direct processing of banking-related status messages in the batch and payment monitor of the SAP BCM (BNK_MONI for displaying the PTK/HAC Feedbacks) enables efficient monitoring of the payment transactions.

SAP Authorization
Virtusa's EBICS Client 3.0 for SAP solution uses its own SAP authorization objects and sample roles enabling efficient monitoring of the payment transactions.

For more information on Virtusa's EBICS 3.0 Client for SAP solution, please visit **www.virtusa.com/ebics** or contact **austria-info@virtusa.com**

About Virtusa

Virtusa Corporation (NASDAQ GS: VRTU) is a global provider of digital business strategy, digital engineering, and information technology (IT) services and solutions that help clients change, disrupt, and unlock new value through innovation engineering. Virtusa serves Global 2000 companies in Banking, Financial Services, Insurance, Healthcare, Communications, Media, Entertainment, Travel, Manufacturing, and Technology industries.

Virtusa helps clients grow their business with innovative products and services that create operational efficiency using digital labor, future proof operational and IT platforms, and rationalize and modernize IT applications infrastructure. This is achieved through a unique approach blending deep contextual expertise, empowered agile teams, and measurably better engineering to create holistic solutions that drive business forward at unparalleled velocity enabled by a culture of cooperative disruption.