



Euro Banking Server

**The innovative and international e-banking solution
for your retail and corporate banking.**

**SIMPLE. SECURE. EFFICIENT. SOLUTION-ORIENTED.
QUALITY MADE IN SWITZERLAND.**

Initial Situation

What will be the trends and challenges for banks in electronic banking for corporate customers in the next few years? The introduction of SEPA and EBICS and the accompanying development of attractive services for company customers are again becoming a major focus of attention.

In this, it is assumed that security and authentication will play a very major role, because the banks cannot afford any attacks from the Internet, such as Phishing, men in the middle/in the browser, viruses, Trojans and malware. Our offline e-banking solutions for companies are particularly helpful here, because communication is only started for the sending and receiving of the files and is ceased after transmission. Of course, you can also perform the bank transactions of your online e-banking customers via our Euro Banking Server.

Progress through Innovation

This fact will help you to create a competitive advantage that will allow you as a bank to be experienced differently by your customers. For your corporate customers you are also investing in the highly valued field of security. You will differ positively from your competitors in a banking landscape that is becoming ever more uniform.

The SEPA file standard (Single Euro Payments Area) offers outstanding opportunities to gain additional customers, including abroad, especially for financial institutions that are active throughout Europe. EBICS (Electronic Banking Internet Communication Standard) has already achieved remarkable popularity as a transferral standard in Germany and France and it is easy to imagine that this standard will also become established in other European countries. Our innovative Euro Banking Server 7.0, with SEPA and EBICS, is technologically and functionally state-of-the-art.





Top-notch E-banking. The innovative web-based solution.

The Euro Banking Server is able to meet these contemporary banking- and market-relevant requirements, to take into account individual adjustment requests and grows along with future technology and finance market developments.

The Euro Banking Server supports universal and private banks' core function as regards electronic banking. The system covers the entire range from minor e-banking solutions to complex retail banking systems.

The Euro Banking Server is a multi-client solution. Individual modules down to the data module level can be adjusted to your personal requirements without requiring any additional software.

Your business process strategy is optimally supported by standardised interfaces; this allows a straight through processing approach. The concept of the Euro Banking Server is based on the Swiss Banking Server (SBS). The SBS has been successfully used by various Austrian and Swiss universal banks for years.

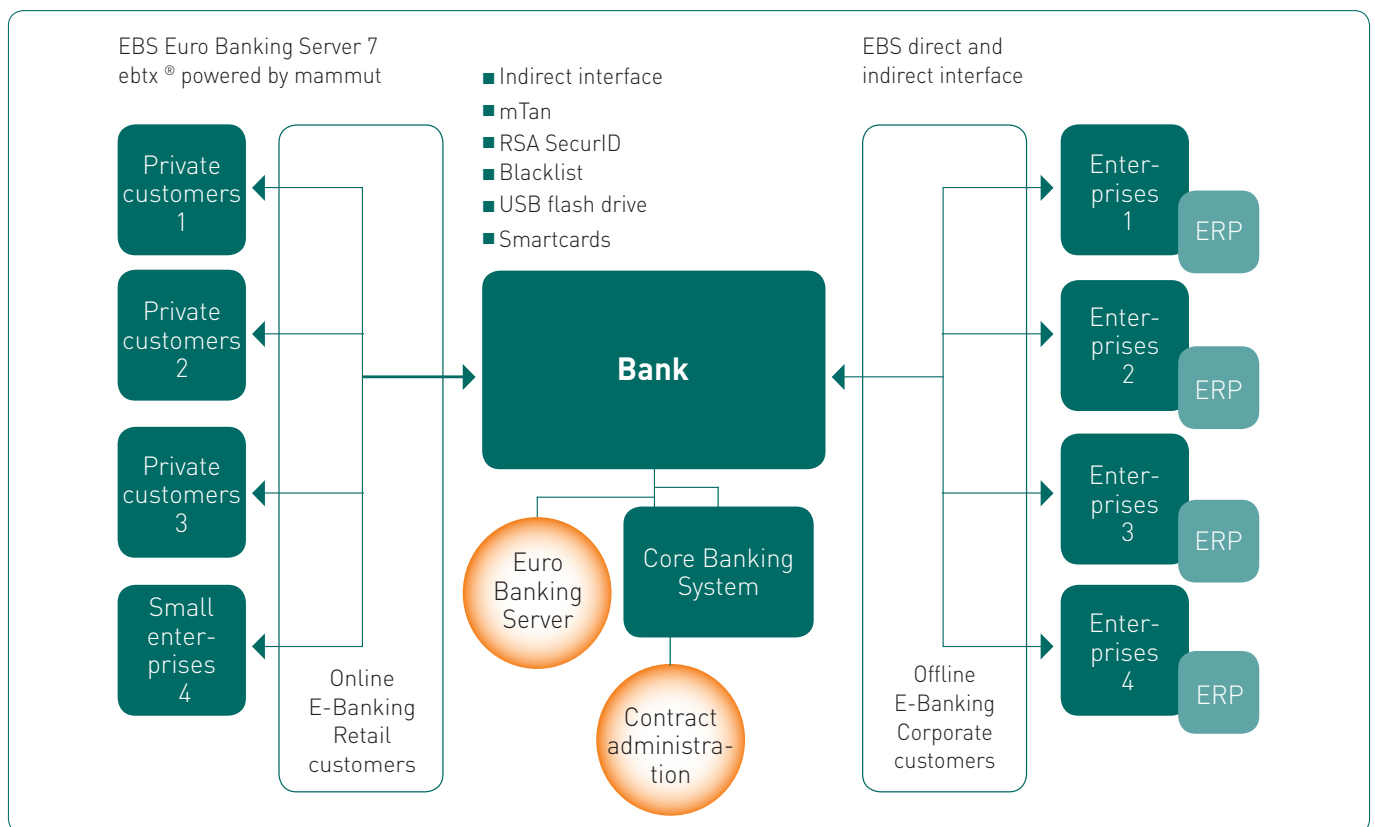
Security

The Electronic Banking Internet Communication Standard (EBICS) for business banking was defined on behalf of the *Zentraler Kreditausschuss* [Central Credit Committee]. It is a tried and proven solution on the German retail and business banking market. France has also decided to introduce EBICS as the new business banking standard. A decision is also due in other countries, such as the Netherlands and Austria. EBICS will prevail and, as a standard, also create impetus for the retail and corporate banking market in Eastern European countries.

Transferring data using EBICS is confidential since the application data are encrypted with the BCS hybrid procedure in addition to the transport encryption. The data have integrity, as manipulation has been ruled out by using a MAC (Message Authentic Code). The sender is authenticated due to server certificates and the electronic signatures (payments are authorised via individual / collective signatures). This procedure also prevents „man in the middle“ attacks. The security mechanisms comply with the latest state of the technology requirements and standards.



Central Euro Banking Server platform for your retail and corporate banking business



Functional range of Euro Banking Server

Using the Euro Banking Server, you will be able to cover all your business fields as a financial institution with simple customising functions. Thus, you will be able to customise the functional range for your customers.

The following modules contain Version 7:

Basic

- Contract administration
- User administration: role and authorisation concept
- Four-eye-principle
- Generation of customer letters and initial password
- Multibank-capable
- Communication SSL
- Verification with SecurID RSA token, SmartCard, blacklist, matrix password
- Single sign on
- PKI infrastructure

Payment Transactions / Cash Management

- Domestic and foreign payments
- Account transfers
- Standing orders
- Bank transfers
- SEPA Credit Transfer and SEPA Direct Debit (XML according to ISO 20022)



Range of functions Euro Banking Server

- EBPP
- Country-specific formats
- Transaction journal
- Online banking
- Integration of offline E-banking software

Statement of Assets

- Account statement
- Deposit statement
- Electronic bank receipts
- Transaction journal
- View of total assets down to individual items and entries
- Graphic assets display options
- Excel and PDF-export

Communication

- Sending and receiving messages
- Documents can be sent electronically
- E-mail and SMS alerts
- Integration in outlook or the bank's CRM environment
- EBICS XML container-embedded application data with transport via http with TLS-transport encryption key RSA key X.509 Certificates optional



Hard and software recommendation

Reverse Proxy

- Operating system: Sun Solaris
- CPU: Sparc or INTEL for Solaris 10
- Memory: 2 GB
- Software: AirLock
- EBS 7.0: Login-Adapter
- Licence: 500 Concurrent User

Web Server

- Operating system: from WIN2003 Server
- CPU: Dual 3.8 GHz 64 bit
- Internet Server: MS IIS 7.0
- Harddisk: drive C 9 GB (OS), drive D 9 GB (DIV)
- Memory: 4 GB RAM
- EBS 7.0: WebDLL/Webservice

Database Server

- Operating system: from MS EP Server 2003
- CPU: Dual 3.8 GHz 64bit
- Memory: 8 GB
- Disk: drive C 9GB (OS), drive D 30 GB (Paging), drive E 120 GB (DB), drive L 20GB (Logs)
- Software: from MS SQL EP 2005 or Oracle 9i
- EBS 7.0: tables

COM-Server

- Operating system: MS Server 2003
- CPU: Dual 3.8 GHz 64bit
- Memory: 4 GB
- Disk: drive C 9GB (OS), drive D 9 GB (eMail/SMS), drive E 38GB (FTP files)
- Software: FTP
- EBS 7.0: EBS700_Data_Transfer

Interfaces

- Core banking systems: Avaloq, Finnova, OTMS/Legando, SAP Banking Platform and Olympic
- ZV MT-100 / MT-101
- Account data and acknowledgment slips (MT-940 / MT-942)
- SEPA SCT and SDD
- Deposit data (MT-571)

Technology

- Microsoft .NET

Audit/Bank Conformity

- Ernst & Young (Mai 2005 / April 2009)
- Productive use in various cantonal and regional banks, retail bank



Range of services of mammut soft computing ag

<ul style="list-style-type: none"> e-banking solution ■ cost / benefit analysis ■ optimisation of financial supply chain ■ AS-IS analysis ■ process cost analysis ■ TO-BE requirement analysis ■ ROI calculation ■ user / role concept ■ compliance (IKS / SOX) ■ 	Buissness & IT-Consulting	<ul style="list-style-type: none"> ■ technical preliminary information ■ DB preparation ■ migration ■ technical installation ■ parameterisation ■ testing ■ introduction ■ training ■ consolidation ■ optimisation
<ul style="list-style-type: none"> Application Service Providing (ASP) ■ Business Service Providing (BSP) ■ conversion and test engine ■ 	Outsourcing	Service <ul style="list-style-type: none"> ■ hotline ■ 1st, 2nd, 3rd level support ■ application management ■ SLA ■ change & release management ■ customizing ■ DMS / archive solution

Your centre of excellence for payment transactions, cash management and treasury

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