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About the company and CyberPlat® system



- CyberPlat company was founded in 1997. The company is a developer of the first and the largest electronic payment system in Russia called CyberPlat[®].
- The company has a wide presence in Russia and Kazakhstan, with branches in India, Austria and Germany.
- CyberPlat® payment acceptance network consists of more than 1 480 000 outlets at present.
- Payments in favor of more than 8 600 service providers are processed via CyberPlat®:













About the company and CyberPlat® system



• More than 300 banks-participants of the system including:

























- CyberPlat® system has a great capacity to process up to 40 Bn transactions per annum.
- During 20 years of stable work no cases of hack have taken place!

SWIFT – current situation



Single system monopoly – SWIFT market share is about 90%

High political dependence
 Out of date network topology based on the "star" model is vulnerable to targeted attacks

 A total of 4 datacenters located in the USA, the Netherlands and Switzerland

SWIFT – current situation



 SWIFT doesn't comply with requirements of local legislation of the most countries where domestic transactions shouldn't be processed outside country's borders



SWIFT – current situation



 Difficulties in recognizing the legal value of the transmitted messages (in the event of conflict)

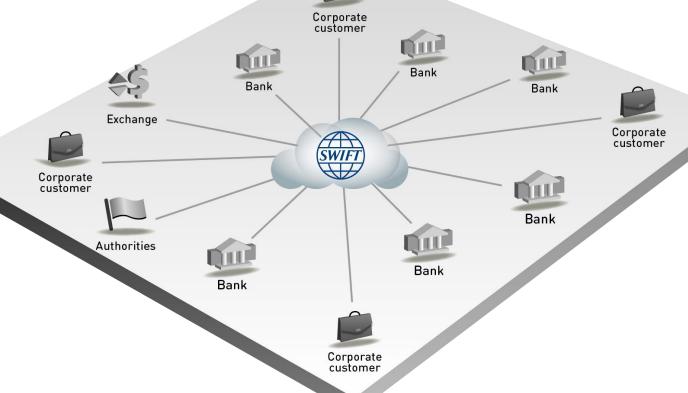
Inflexibility of message formats and certain difficulties with their

adaptation to certain country practice

 Short term of historical data storage on the processing side

– 6 months only

 High implementation and maintenance costs



CyberFT – new approach to financial data exchange



CyberFT allows different legal entities to securely interact with each other (e.g. banks, other financial institutions, corporations, state owned companies, authorities, entrepreneurs, individuals, etc.) both on domestic and international level

CyberFT – main definitions



 A hardware and software solution for organization of a secure information highway for interchange of any types of financial messages and electronic documents workflow.

CyberFT Platform



 A legal entity that has bought and has become an owner of CyberFT Platform and uses it for offering financial messaging services to its counterparties.

CyberFT Provider



 Hardware and software solution that implements legally valid electronic documents interchange at CyberFT Network.

CyberFT Processing



 A legal entity or individual using CyberFT for data exchange.

CyberFT Participant 24/7

 A software installed at CyberFT Participant site aimed at interaction with CyberFT Network.

Customer Software



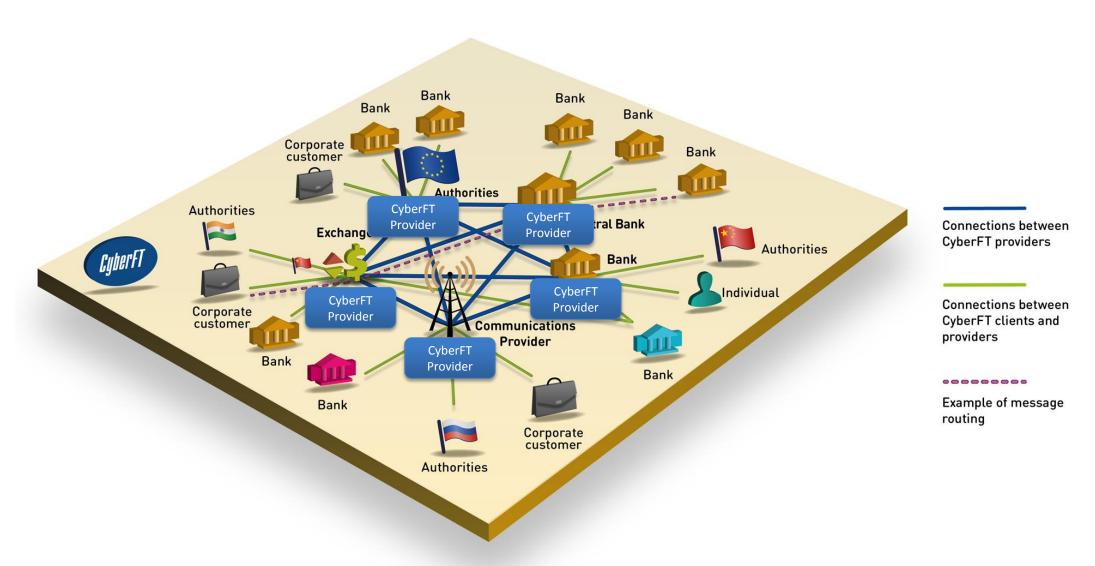
A group of CyberFT
 Providers and Participants connected to these
 Providers.

CyberFT Network



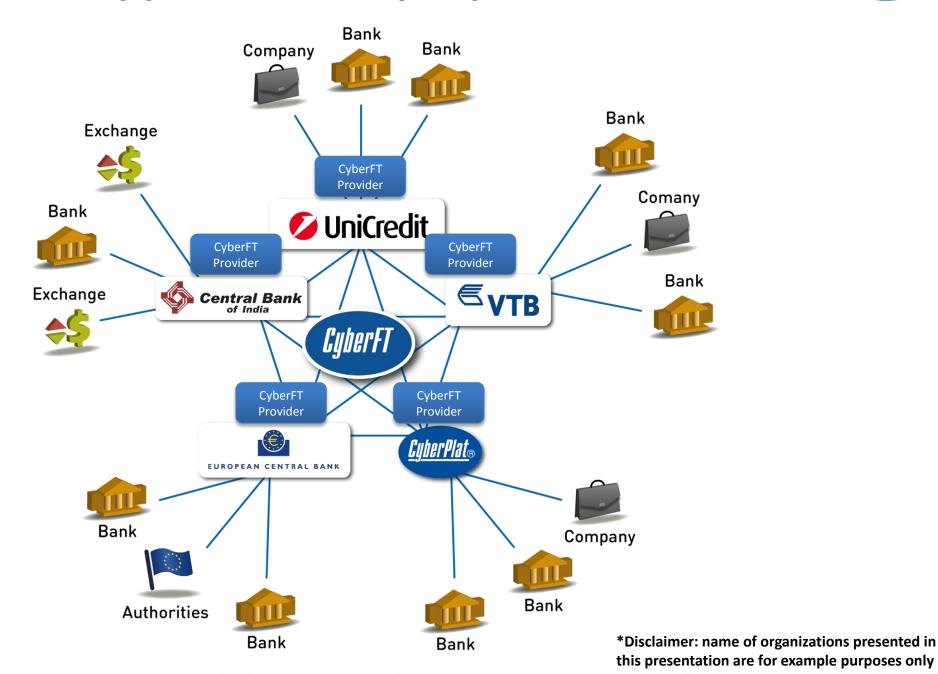
CyberFT – new approach to financial data exchange





CyberFT – support of multiple providers





CyberFT – high security standards

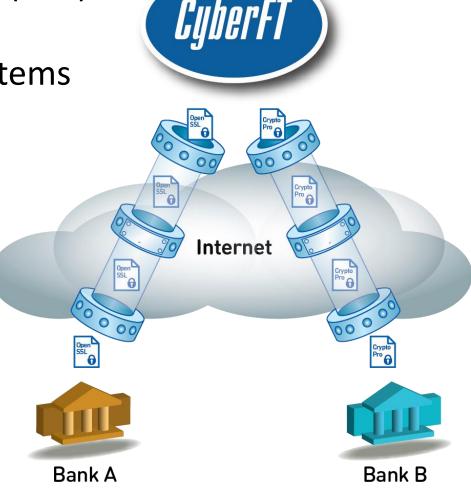


 All transmitted messages are encrypted and signed by electronic digital signature (EDS)

 Support of various cryptographic systems incl. OpenSSL, PGP, CryptoPro, etc.

HTTPS (TLS tunnel) protocol is used

- Data is not accessible to network provider
- Support of VPN and dedicated channels



CyberFT – flexibility



CyberFT already supports various types of message formats:

- SWIFT Fin (MTXXX) all categories
- ISO 20022 (payments and account statements)
- Free format messages with attachments
- E-invoices and contracts
- Money transfers and payments acceptance

We permanently works on the system functionality enhancement and ready to develop any new format to meet customers or certain country specific needs!



CyberFT – current projects and future plans

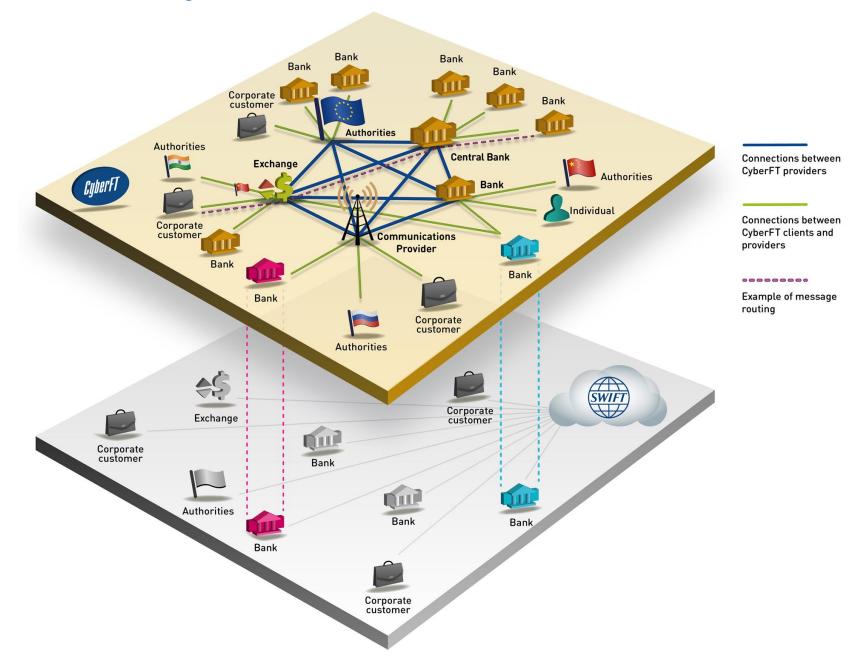


- Support of typical integration with different core banking and ERP systems
- Further development of ISO 20022 formats in line with their adaptation for certain countries by customer requests
- Currency control documents
- Electronic documents workflow (e-invoicing, bills, etc.)
- Direct debit
- Tax reporting



CyberFT – cooperation with SWIFT

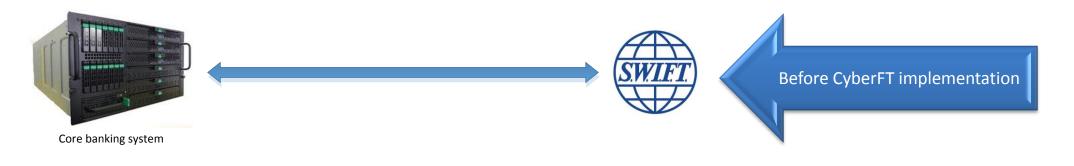




CyberFT – easy integration for banks



Possibility of simultaneous working in both systems: not instead of SWIFT, but jointly with SWIFT!

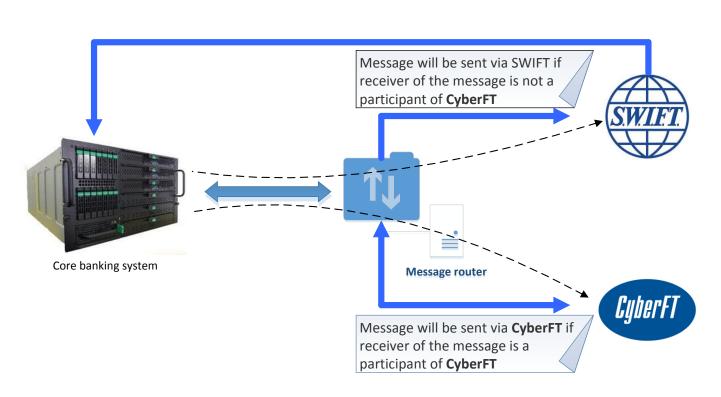


After CyberFT implementation

ADDITIONALLY

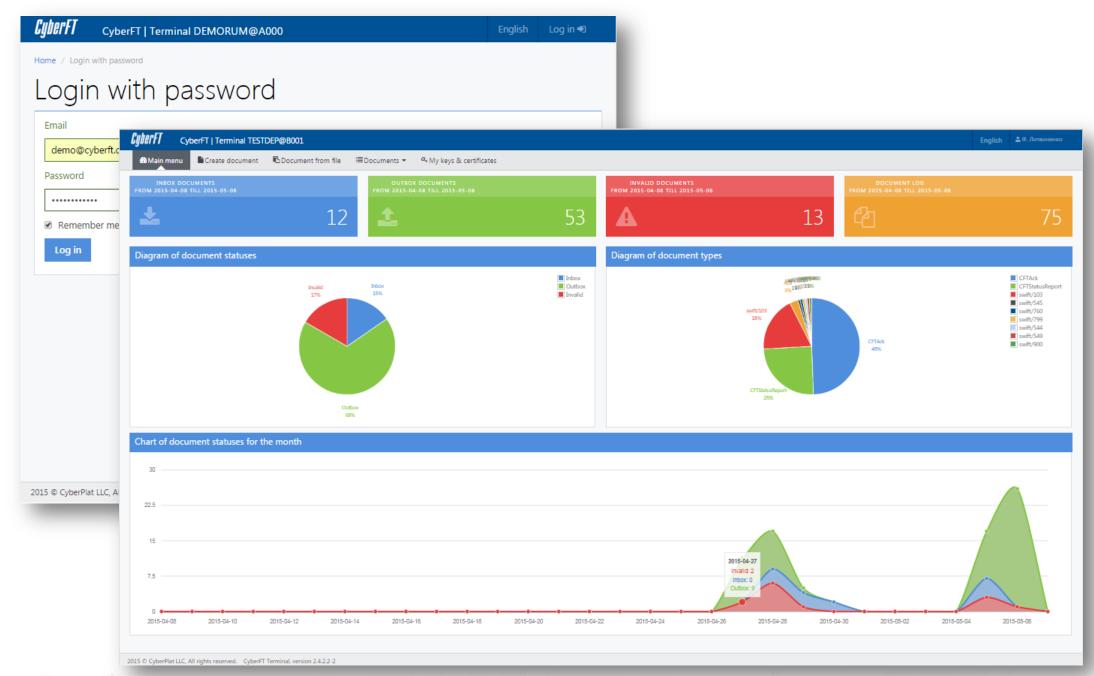
Possibility to send messages directly to SWIFT according to customer's settings:

- To the certain counterparties
- Of the certain types
- On the amounts exceeding certain limits



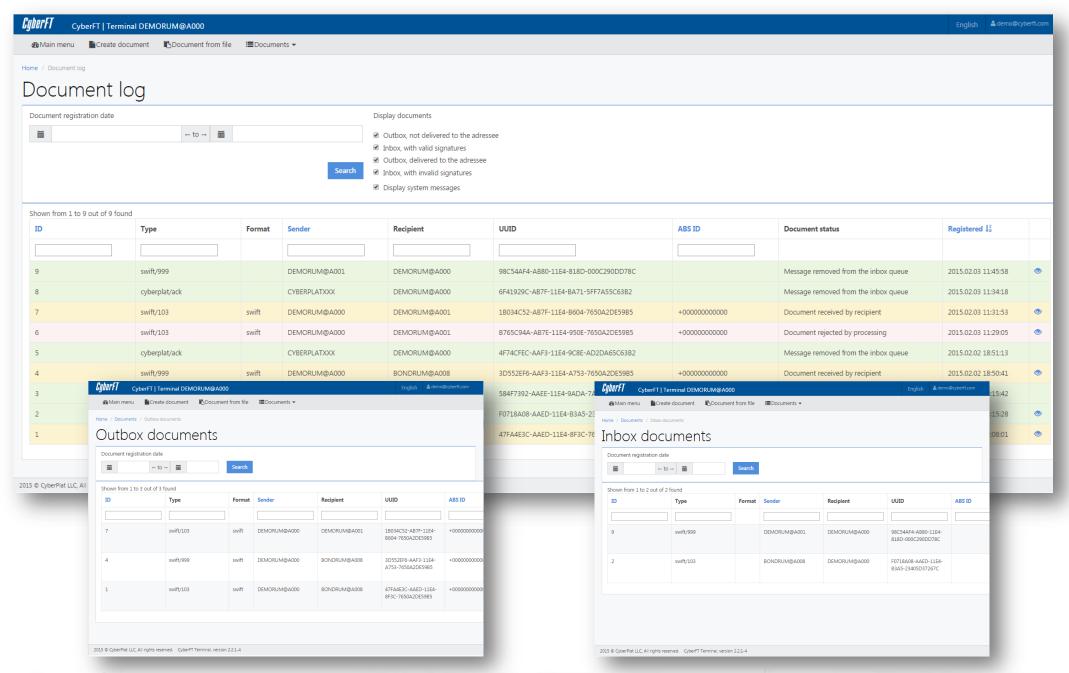
CyberFT terminal – main menu





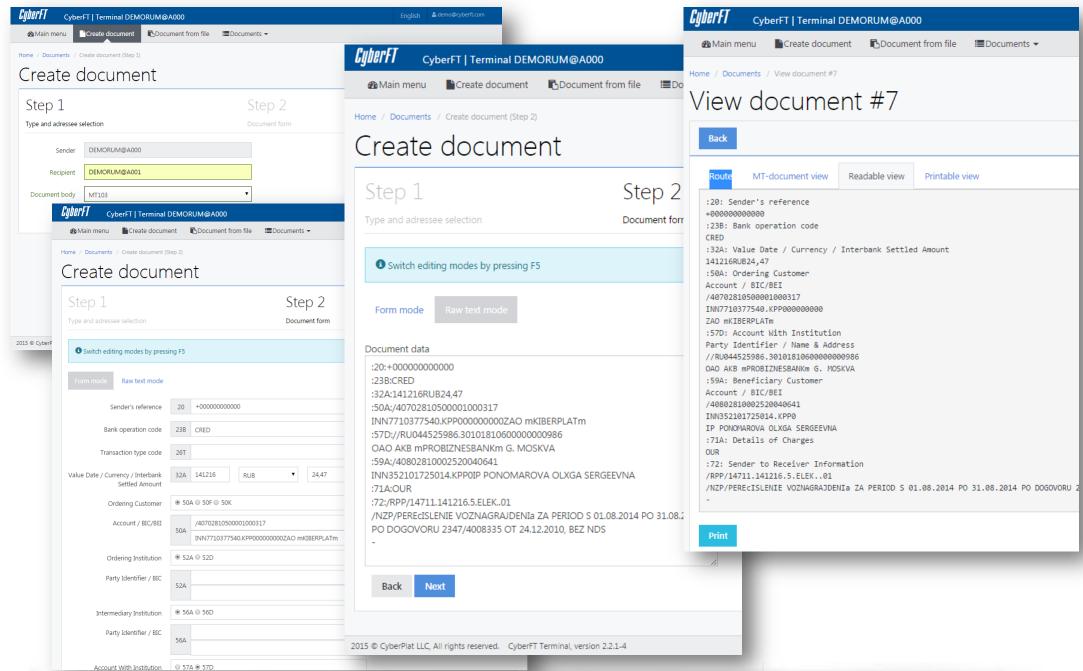
CyberFT terminal – documents log





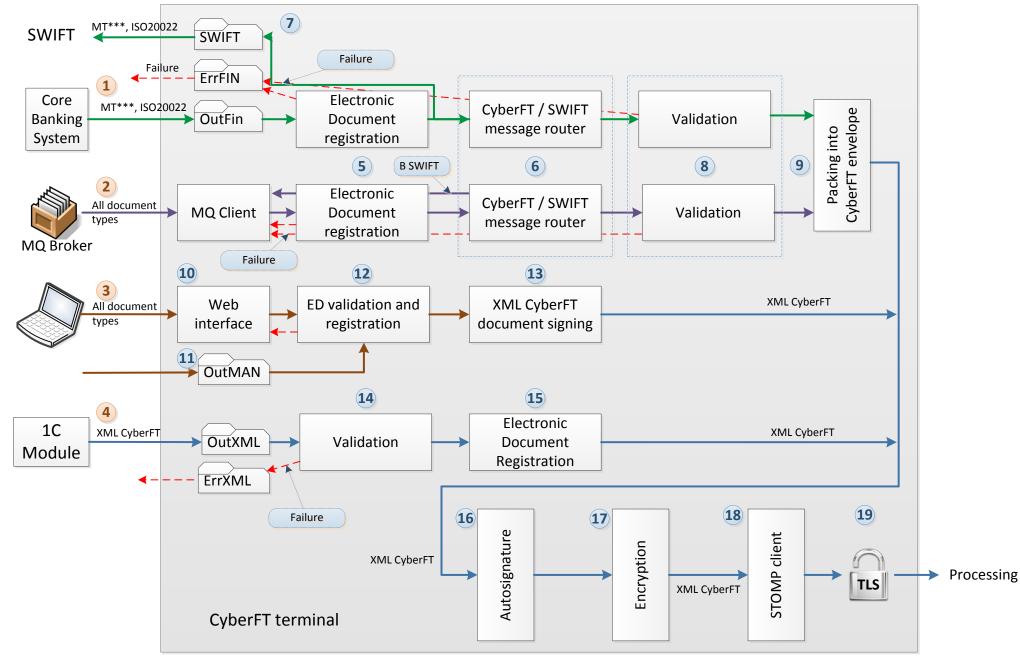
CyberFT terminal – working with documents





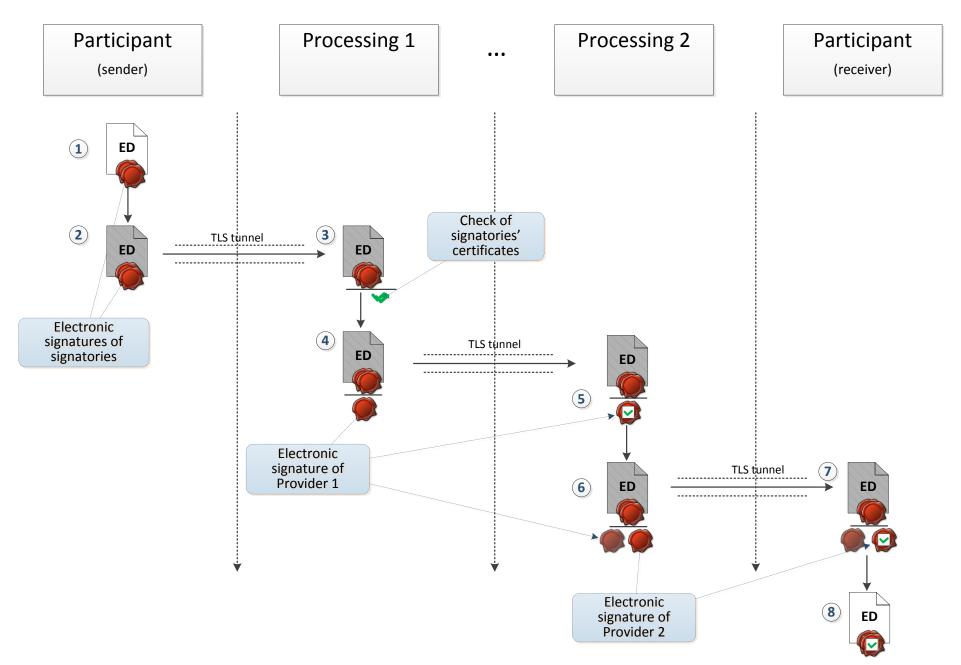
CyberFT terminal – documents sending





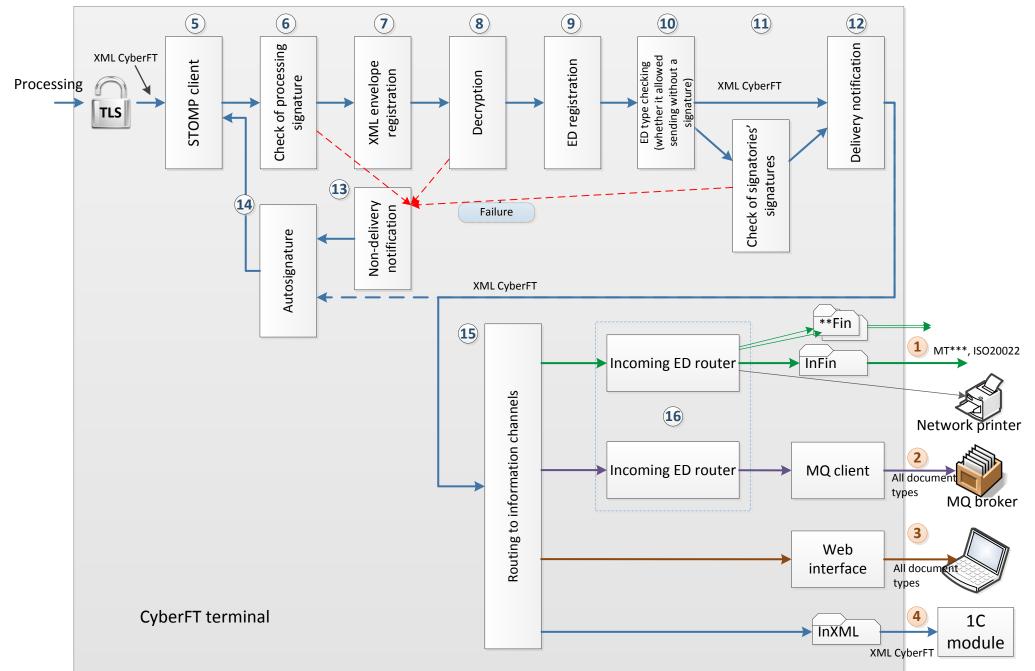
CyberFT terminal – documents processing





CyberFT terminal – documents receiving





CyberFT – legal and organization questions





- CyberFT Contract to be concluded
- 2. CyberFT Rules to be followed
 - Certificates exchange / certificates issuance at trusted center



CyberFT Provider





- E-banking / correspondent account / electronic interaction contract to be signed
 - Certificates exchange / certificates issuance at trusted center

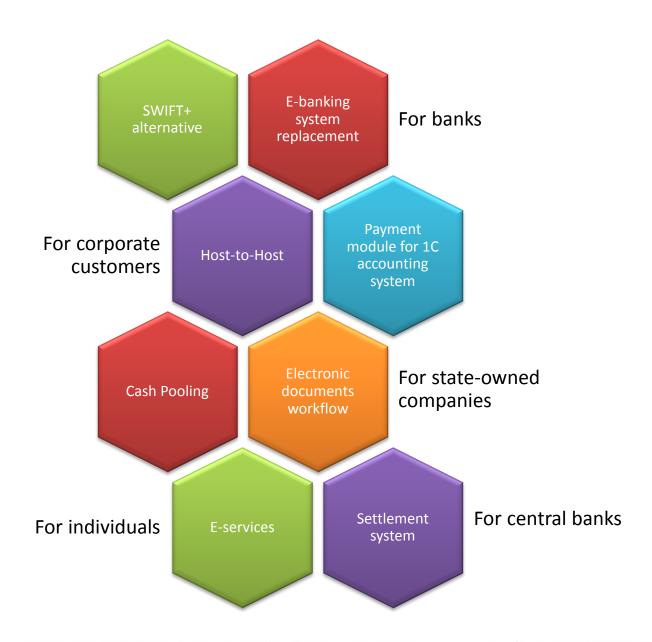


Participant

Step 2

CyberFT – one system for multiple tasks



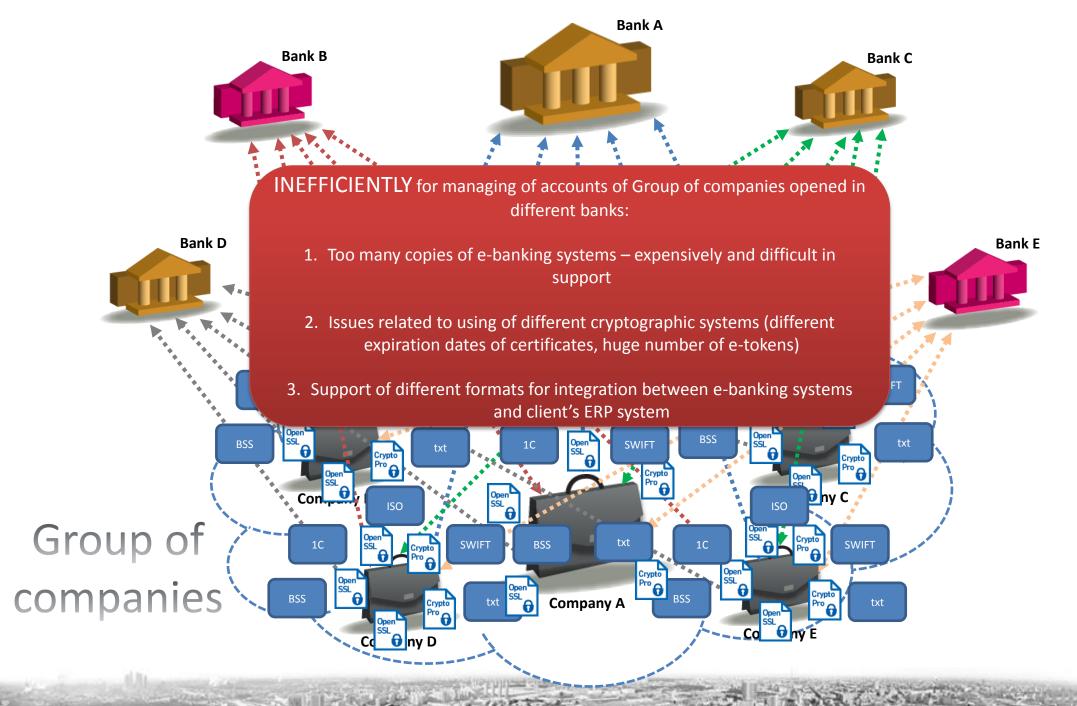




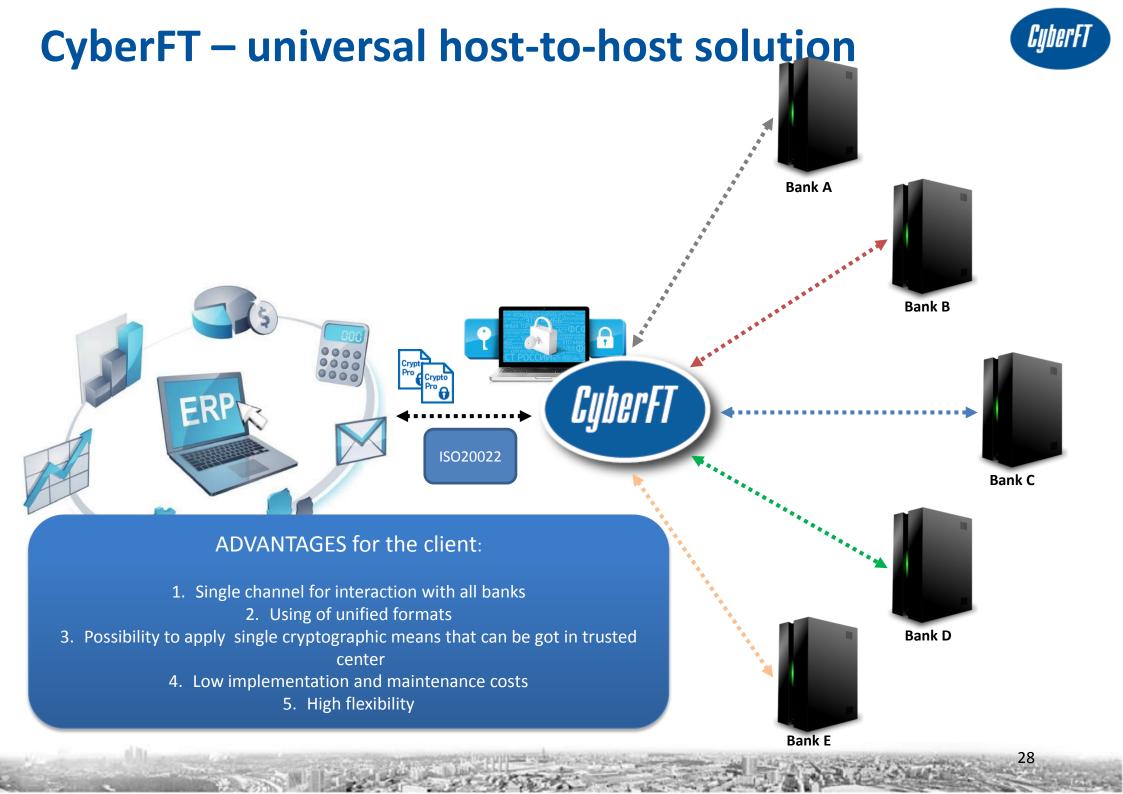
Universal solution for interaction between corporates customers and banks

E-banking systems - limitations



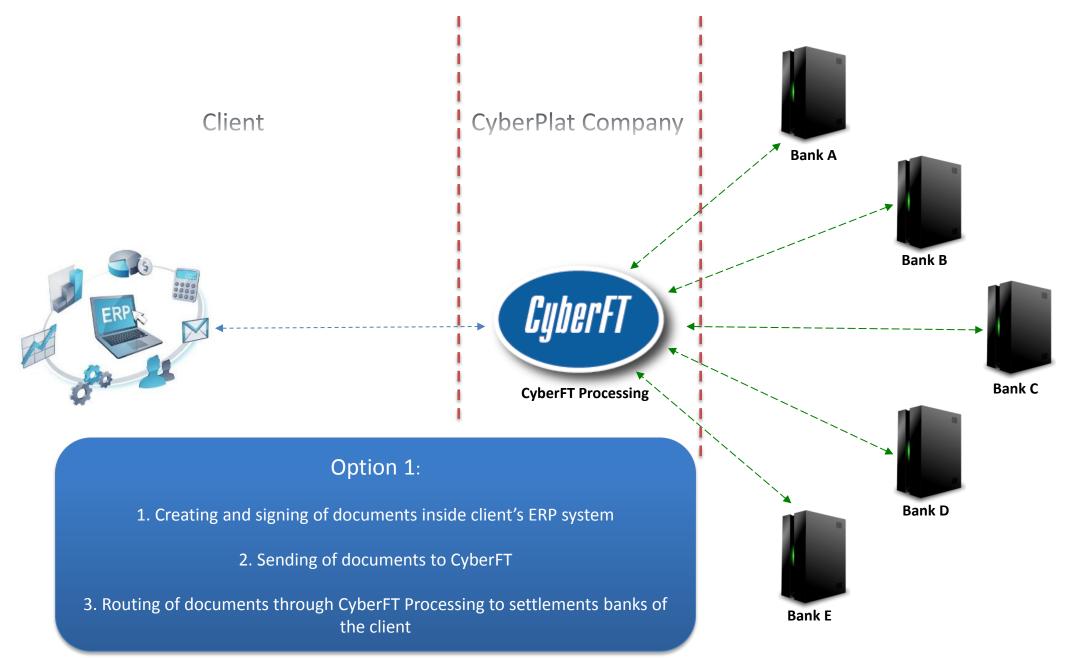


Host-to-host – limitations ******** **SFTP** Bank A 1C INEFFICIENTLY for managing of accounts of Group of companies opened in different banks: Bank B 1. Dedicated host-to-host channel should be maintained with each bank 2. Issues related to using of different cryptographic systems (different expiration dates of certificates, huge number of e-tokens) 3. Support of different formats for integration between e-banking systems Bank C and client's ERP system **SWIFT ERP system of the Group of companies SWIFT Fin** Bank D Bank E



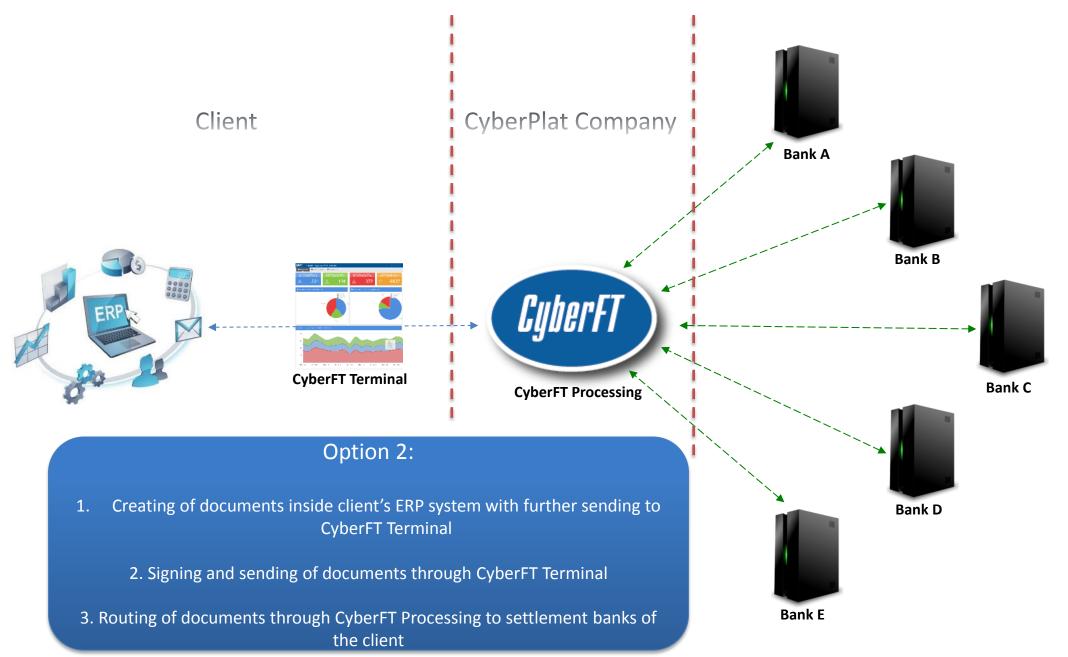
CyberFT – working through ERP





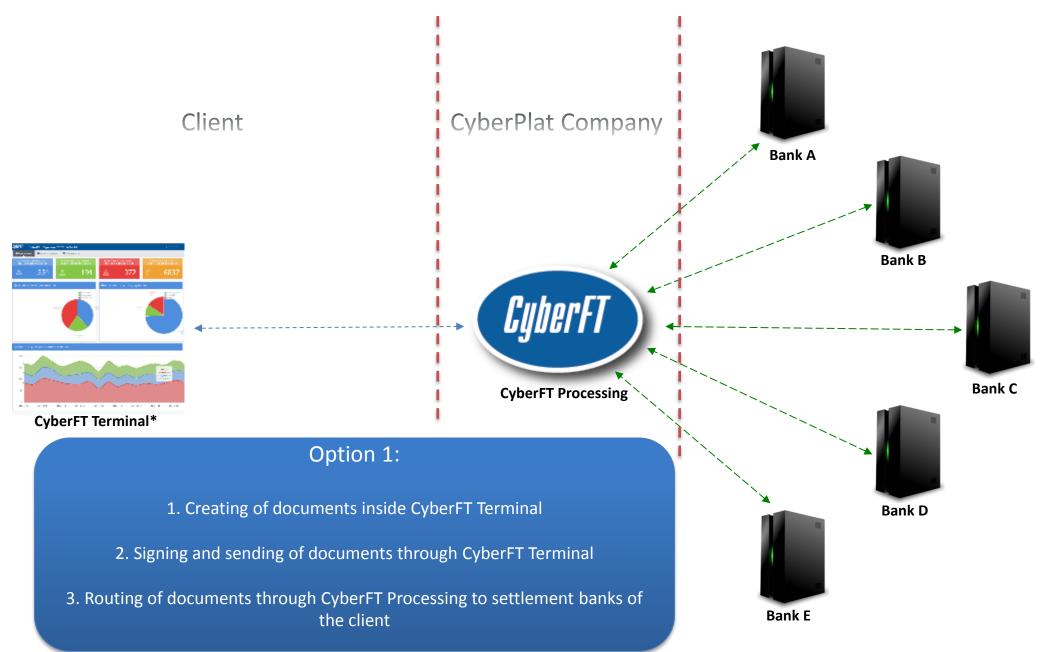
CyberFT – working through ERP





CyberFT – working through Terminal

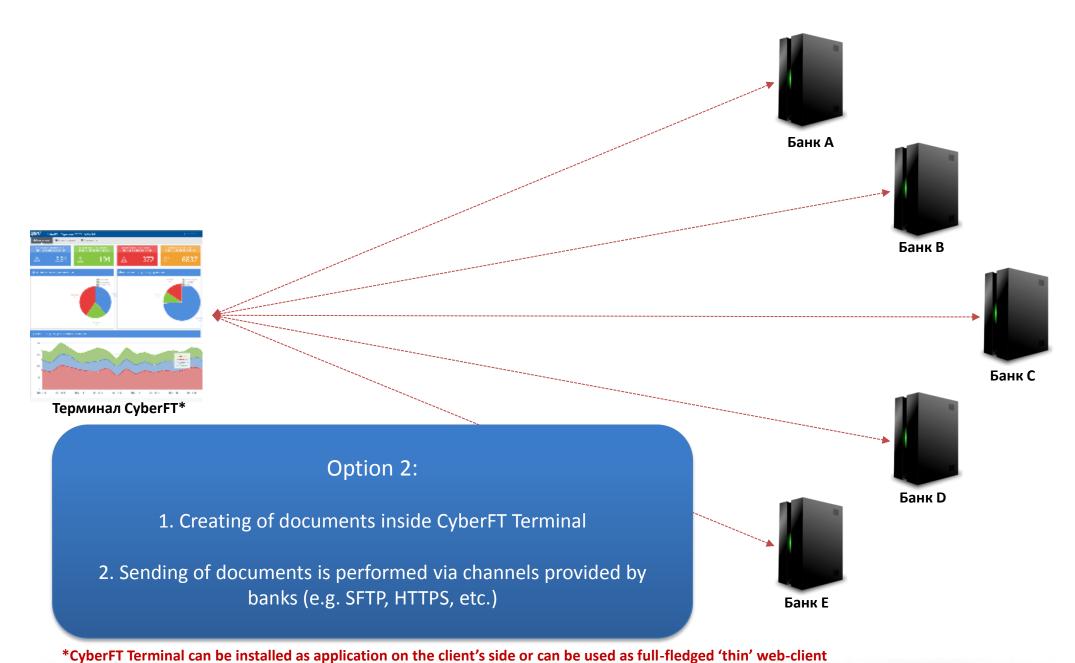




^{*}CyberFT Terminal can be installed as application on the client's side or can be used as full-fledged 'thin' web-client

CyberFT – working through Terminal







Legally valid electronic documents interchange

Why EDI?



Only in Russia number of business transactions (paper-based invoices) is more than **15 Bn** deals per year

(According to Federal Tax Service of Russia)

Market correspondence in Russia is valued in **USD 1 Bn** per year (where **USD 500 Mio** are costs of corporates)

(According to BCG)

Costs for processing correspondence for corporate customer exceed postal costs in **3 times**,

thus overall correspondence costs for corporate customers exceed **USD 1.5 Bn** per year

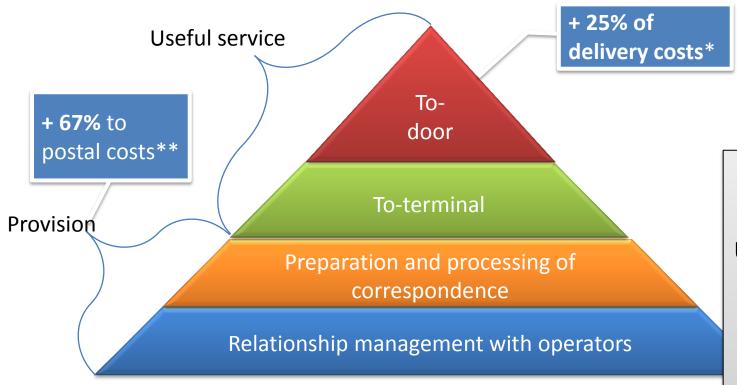
(According to BCG)

can save
about USD 400K if only optimizes printing
of documents

(According to GreenPrint, USA)

Why EDI?





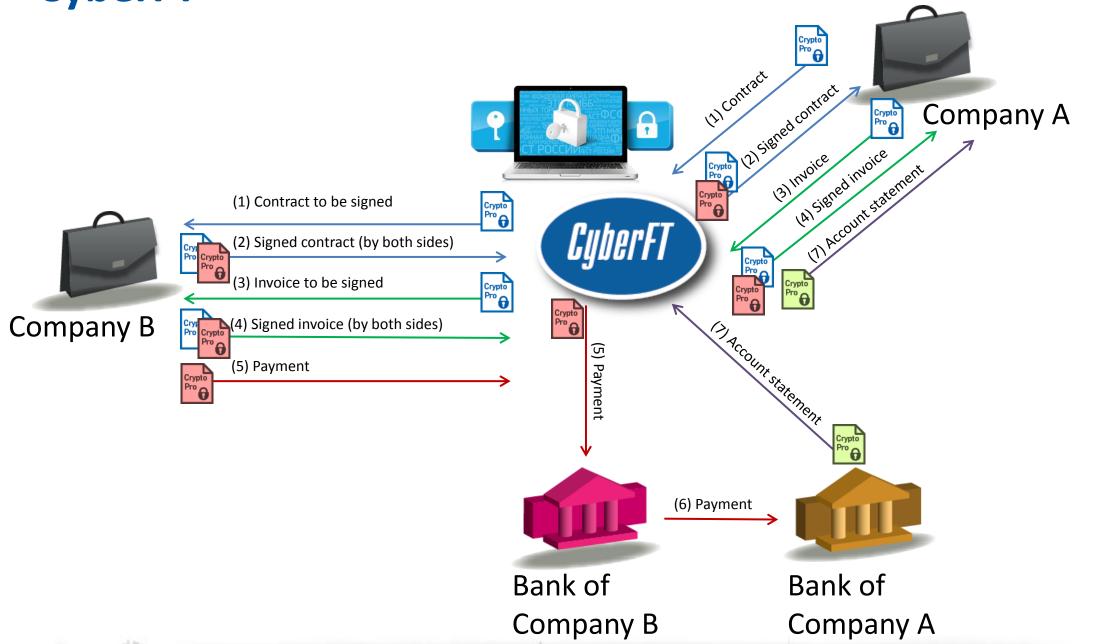
Processing of typical letter (3-5 sheets, A4 format) is about **USD 2** in average. If express mail service is used this cost will be in **10 times** more starting from **USD 35**.

- * According to standard tariffs of postal providers
- ** According to BCG

(According to standard tariff of postal providers)

Legally valued EDI – example of interaction in CyberFT



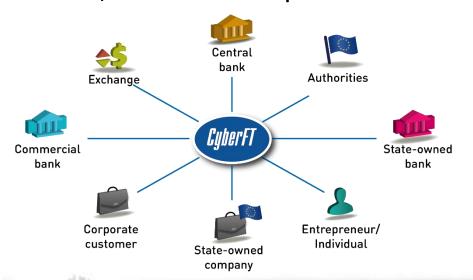


CyberFT – participation examples



Basic participation

- Each party connects to CyberFT provider as a participant
- To start interaction both counterparties (sender and receiver) should exchange keys
- All transactions are stored on sender, receiver and provider ends



- Provider doesn't have access to transaction details
- 24/7 working hours (some limitations may take place according to the rules defined by provider)
- All transactions are processed online

Recommended for:

- ✓ Small banks
- ✓ Corporates
- ✓ Entrepreneurs
- ✓ Individuals



Interbank Cash Pooling?

Cash Pooling – example of interaction





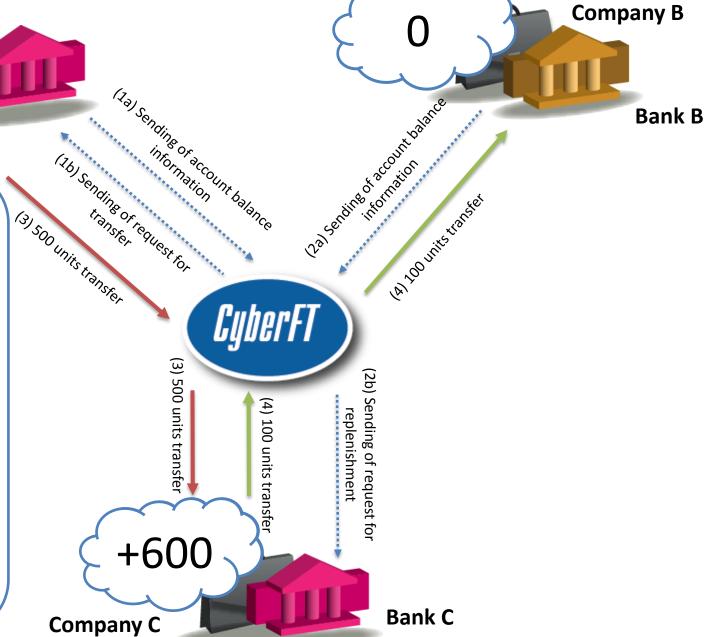
Company A

Bank A

1. Account balances before
Cash Pooling transactions:
Company A +500 units
Company B -100 units
Company C +200 units (master-account)

- 2. CyberFT Processing gets all information on account balances and sends appropriate instructions to the banks
 - 3. Aim: Zero balance on accounts of Company A and Company B
- 4. All surplus funds to be concentrated on the master-account belonging to Company C
- 5. Account balances after Cash Pooling transactions:

Company A 0 units
Company B 0 units
Company C +600 units (master-account)



CyberFT – software and hardware requirements



CyberFT Terminal software requirements

- Debian GNU / Linux 7.6 (wheezy) Release: 7.6
- File system ext3 and ext4
- Possibility to use virtual machine!



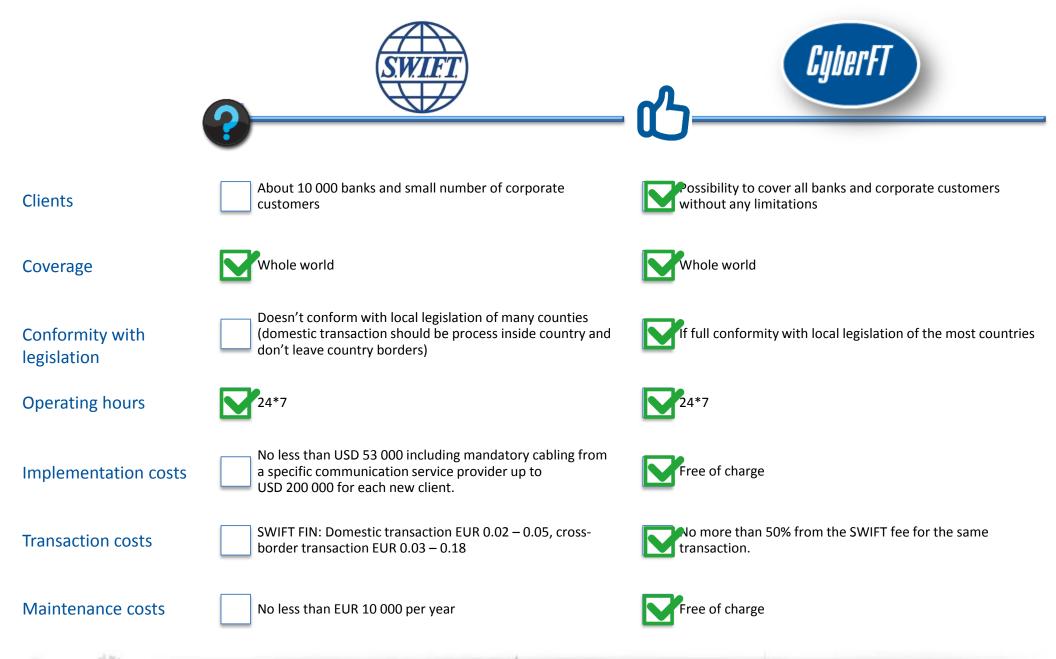
Users should have typical workstation/notebook and web-browser to work in CyberFT!

CyberFT Terminal hardware requirements

- Processor x86-64
- RAM not less 4Gb
- Multicore processor Intel Core 2 Duo 3.0 Ghz or higher
- HDD not less 40Gb

CyberFT vs. SWIFT





CyberFT vs SWIFT







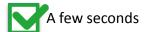




Implementation time

No less than 8 weeks in case of shared connection and at least 16 weeks in case of direct connection

Data transfer speed



Data exchange formats

SWIFT Fin (MTXXX messages), InterAct (MX messages), FileAct (unstructured messages)

Maximum message size

No more than 10Mb

User interface

Several versions of SWIFT Alliance software for full-fledged working

Additional services for corporate customers

Special conditions for corporate customers comparing to conditions for banks.

Connection to CyberFT processing including integration with automated banking system takes from 1 to 3 weeks, and no more than 2 weeks in case of customer's own CyberFT platform implementation.

1.5 seconds

SWIFT Fin (MTXXX messages), InterAct (MX messages in accordance with ISO 20022), FileAct (unstructured messages with attachments), EDI documents (contracts, invoices) and more.

Standard maximum message size limit is 100 Mb. It can be easily increased according to customers' needs

User friendly web-interface for full-fledged working

Special conditions for corporate customers, specialized 1C payment module, EDI service of legally valid documents.

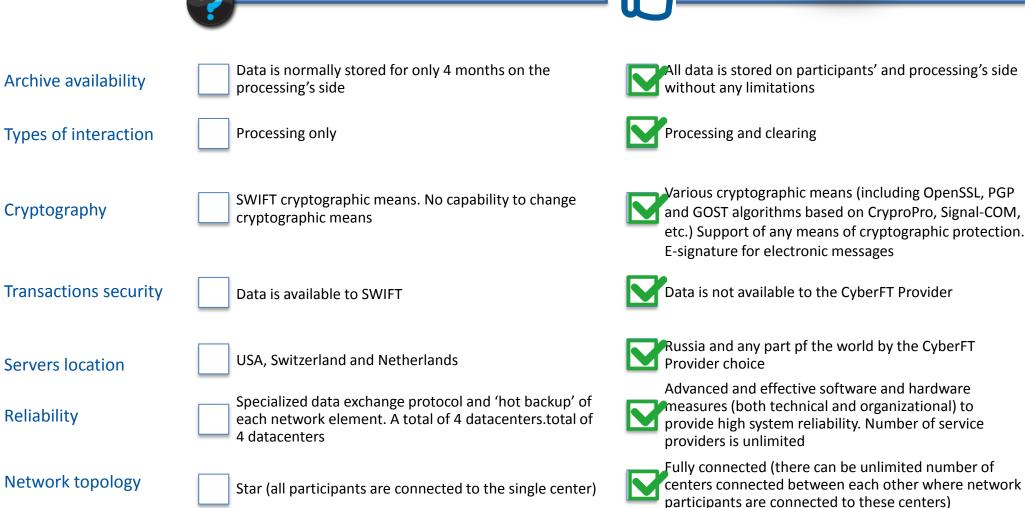
CyberFT vs SWIFT









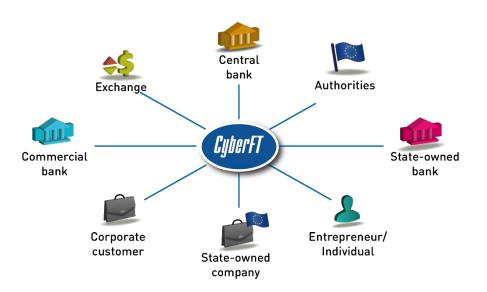


CyberFT – commercial proposal



Basic participation (when customer is connected to CyberPlat company as CyberFT Provider)

- CyberPlat Company owns CyberFT and is responsible for processing of the messages
- Connection to CyberFT via customer's own software or CyberFT Termonal
- Customer will be able to communicate with all parties connected to CyberFT Network



- ✓ Connection: free of charge
- ✓ Software price: free of charge
- ✓ Support: free of charge
- ✓ Transaction costs: 50% of the price of the similar SWIFT message (e.g. MTXXX EUR 0.021 (local transactions) and EUR 0.063 (cross-border transactions)

CyberFT – commercial proposal



Stand-alone implementation – full edition

 Customer integrates CyberFT Platform into its own datacenter and becomes fullfledged CyberFT Provider for its customers and counterparties

- CyberPlat Company doesn't have access to this platform
- Information on transactions is not sent to CyberPlat
- ✓ Hardware and CyberFT software for 2 server groups operating under GRID technology: one off fee USD 10 Mio
- ✓ Processing of up to 500K transactions per day. For higher number of transaction the price is subject to negotiations
- ✓ Client's software free of charge
- ✓ Maintenance: USD 200K annually. In case of a special one-off fee, maintenance annual fee is subjects to negotiations
- ✓ Transfer costs: free of charge

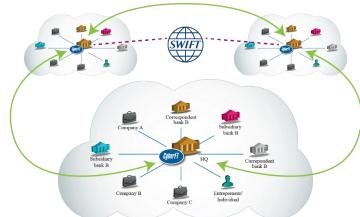


CyberFT – commercial proposal



Stand-alone implementation – light edition

- Customer integrates CyberFT platform into its own datacenter and becomes fullfledged CyberFT Provider for its customers and counterparties
- Reserve datacenter is located at CyberPlat Company premises
- Information on transactions is sent to CyberPlat
- ✓ Hardware and CyberFT software for one processing: one off fee USD 1 Mio
- ✓ Processing of up to 500K transactions per day. For higher number of transaction the price is subject to negotiations
- ✓ Client's software free of charge
- ✓ Maintenance: USD 200K annually. In case of a special one-off fee, maintenance annual fee is subjects to negotiations
- ✓ Transfer costs: **50% from SWIFT price** for the same message type



CyberFT – main advantages





Significant costs reduction



High security standards and full guarantee of information safety



Fully compliant with requirements of local legislation of the most countries



Fast and effective system implementation



Various connection types



24x7 availability



Full independence from political situation



High fault-tolerance



All transactions are processed online



Up-to-date advanced platform with full support of SWIFT message types, ISO 20022 formats and many others



Flexibility and scalability of the system (message formats, cryptographic means, channels, etc.)



One system for different tasks (from closed banking group up to interaction on international level)



Great possibility for banks to offer new services for their customers

- ✓ Online processing of transactions
- ✓ Extended cut-off time
- Electronic documents workflow with legal significance
- Host-to-host service
- Other services like e-invoicing



- ✓ Possibility for corporate customers to build Centralized Treasury and to use uniform channels, formats and cryptography to communicate with different banks
- ✓ Possibility to organize direct debit, e-invoicing, interbank cash pooling and other solutions

Conclusion



CyberPlat is willing to be your partner in providing up-to-date transactional and financial services through CyberFT Platform to optimize costs, increase efficiency and your level of competitiveness on the market.

The wide range of solutions and capabilities of CyberPlat Company exceeds the bounds of this presentation and we rely on the further collaboration for a better understanding and meeting all your requirements.

Feel free to submit your requests and questions!



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