



XONTRO Newsletter

Financial Institutes No. 92

&

Broker Firms No. 67

(English Version)

This XONTRO newsletter – valid for Financial Institutes and Broker Firms – contains information regarding the following topic:

- Encrypted e-mail traffic beginning as of December 17th, 2018

**Data privacy protection note:**

The newsletter distributed hereby should not be considered as an advertisement, but rather as some supplemental information for the product documentation of a system operated by or technically accessible via the company named „BrainTrade Gesellschaft für Börsensysteme mbH“, physically residing at Börsenplatz 4, 60313 Frankfurt Main, Germany.

Therefore, this newsletter is solely being distributed via e-mail onto the registered BrainTrade system users, resp. their personnel employees, as well as their functional service providers.

The newsletter reception may be revoked at any time by e-mail directed at "trade(at)xontro.de", or by telephone via the extension +49-(0)69-589978-110.

## 1. Encrypted e-mail traffic

Unencrypted e-mail traffic constitutes a great risk for business companies. In order to counteract this potential threat, beginning as Monday, December 17<sup>th</sup>, 2018, Deutsche Börse Group will only send encrypted e-mails towards their customers.

As the BrainTrade e-mail traffic, too, has been and will be processed via gateway servers that are being operated by Deutsche Börse Group, the e-mail encryptions having been implemented by Deutsche Börse Group will likewise become valid for the BrainTrade e-mail traffic.

In order to avoid the risk of data loss, and in order to protect the confidentiality of important data, Deutsche Börse Group will activate the Transport Layer Security (TLS) protocol using the version no. 1.2 for all e-mail gateway servers. In doing so, TLS will be used as the primary encryption method. Therefore, beginning December 17<sup>th</sup> of 2018, all outgoing e-mails will then be sent in an encrypted format only.

Therefore, we kindly ask you to make sure that the entire future e-mail communication between your company and BrainTrade/Deutsche Börse Group will be done using the TLS encryption only.

## 2. Mail distribution

Beginning at the date listed above, the e-mail distribution will be done using two possible occurrences:

Step 1: In the first instance the system will try to transmit a TLS encrypted e-mail onto the receiving server site. In case this transmission turns out to be successful, then no further action will follow. In case this transmission was unsuccessful, then the procession variant described below under step 2 will be launched.

Step 2: Another e-mail will be generated and distributed, which may be identified via the unencrypted "Subject:" header line. In addition, the e-mail will contain an appendix which contains the content of the e-mail in an encrypted and password secured format. For this reason, the CRES procedure used by Cisco will be used. On [www.youtube.com](http://www.youtube.com) an introducing tutorial "CRES: Introduction to CRES" may be found.

In order to gather the necessary information needed for the decryption, a CRES registration at the Cisco site will become necessary. Kindly download the first encrypted appendix having been received onto your workstation and open it. Thereafter, you will automatically be forwarded onto the Cisco registration dialog. After the registration process has successfully been finished, you may open all encrypted and secured e-mail attachments using the password having been obtained.



Source: Cisco – CRES – Cisco Registered Envelope Service – Schematic Description

### 3. Test options

In order to provide an opportunity for you to test whether your e-mail system can handle e-mails encrypted with TLS, two additional encrypted e-mails will be transmitted together with this one.

#### Test e-mail 1:

BrainTrade will transmit the unencrypted e-mail text (including the appendix) of the original e-mail in an encrypted format and including the “Encrypted –” indicator in the “Subject:” header line. If the content turns out to be readable to you, then the TLS encryption has already been supported by your company.

If the content turns out to be unreadable for you, you should inform the e-mail administration of your company and ask them to implement the TLS encryption service into their services in due time. This should be considered a mandatory task, also with regards to your inhouse data protection measures. Furthermore, you will then be given the option to register for the Cisco CRES procedure prior to the actual launch date.

#### Test e-mail 2:

As an additional feature, the future BrainTrade news distribution – especially with regards to participants’ information and participants’ newsletters – will always be done such that the e-mail

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subject line will contain a link referring to the “current information” category under [www.xontro.de](http://www.xontro.de). Under this category, all information will be allocated unencryptedly and in chronological order. And here, the information may permanently be retrieved without having to use the TLS encryption or the CRES registration.

In case you will not have received the “Test e-mail 2”, you are kindly asked to check the “Spam” folder of your e-mail program.

In case further test data within this realm will be considered useful by you at a later stage, you are kindly requested to contact the BrainTrade member service hotline under +49 (0)69 – 58 99 78 – 110.

#### Technical Support

In case of technical questions please contact [cts@deutsche-boerse.com](mailto:cts@deutsche-boerse.com).