# Eurex Circular 059/18

## Activation of Transport Layer Security (TLS) 1.2 encryption for e-mail communication on 17 December 2018

⚠ Action required

⚠ High priority


### Summary

Unencrypted e-mail traffic poses a great risk to businesses. In order to mitigate this threat, Deutsche Börse Group will start sending only encrypted e-mails to its customers as of Monday, **17 December 2018**. Deutsche Börse Group will activate the Transport Layer Security (TLS) 1.2 protocol for all its e-mail gateway servers in order to safeguard against the risk of data loss and to protect confidentiality of critical data that will be sent by Deutsche Börse Group to its customers. TLS will be used as the primary encryption method. As a result, all outgoing e-mails will be encrypted as of 17 December 2018.

We urge our customers to ensure that all future e-mail communication with Deutsche Börse Group is performed via TLS encryption.


**Attachments:**

none

**Date:** 2 August 2018

**Recipients:**
All Trading Participants of Eurex Deutschland and Vendors

**Authorized by:**
Michael Peters

**Target group:**
All departments

**Contact:**
Your Technical Key Account Manager via your VIP number,
cts@deutsche-boerse.com


Eurex Deutschland
Börsenplatz 4
60313 Frankfurt/Main
Mailing address:
60485 Frankfurt/Main
Germany

Internet:
www.eurexchange.com



Management Board:
Thomas Book,
Mehtap Dinc, Erik Tim Müller,
Michael Peters, Randolf Roth

ARBN: 101 013 361

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We urge you to ensure that all future e-mail communication with Deutsche Börse Group is performed via TLS encryption.

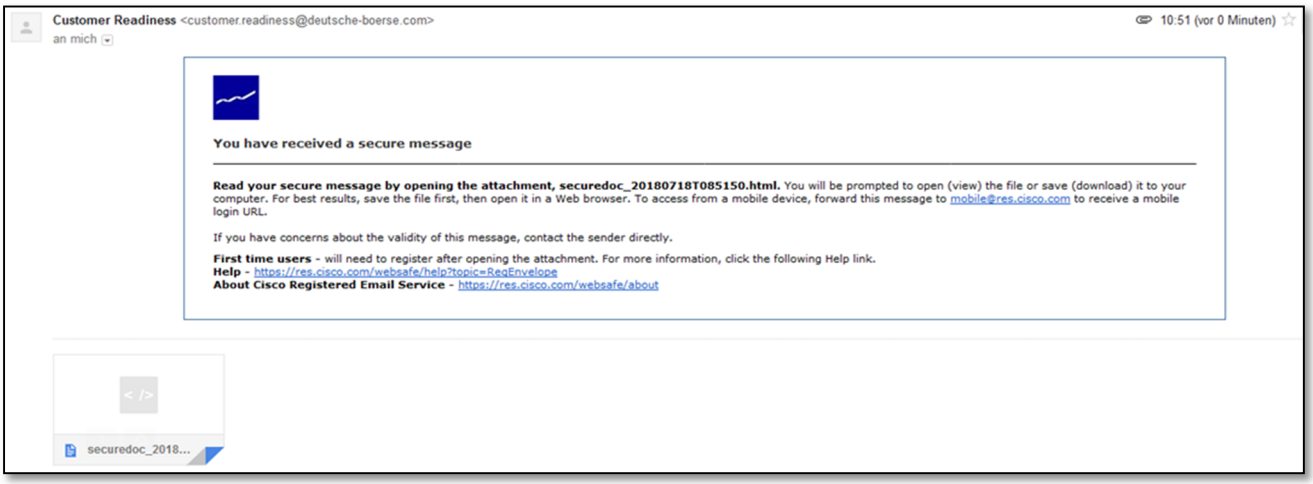
**What is TLS encryption?**

TLS is a cryptographic protocol designed to provide communication security over the internet. It establishes the encryption in the e-mail gateway of a company. TLS uses certificates to authenticate the counterpart of the communication and to encrypt all data flows between the parties in order to ensure data and message confidentiality.

However, to ensure a secure and seamless communication method, the TLS encryption must be enabled on both e-mail sender and receiver servers. Therefore, we kindly ask all our clients (via your IT administrator) to install and configure your e-mail servers in order to support TLS by default. This will allow the encryption and decryption of the messages to be fully automated between source and destination server (i.e. during the e-mail communication between Deutsche Börse Group and its customers). No further configuration is needed.

Those clients **not** using the TLS protocol will have to perform the following procedure:

- You will receive an e-mail informing you that you have a secure message (see example below)




- Please ensure that you received the message above from a familiar Deutsche Börse Group e-mail address.
- Please follow your company's internal security processes and/or contact your IT administrator to ensure that you can open the encrypted e-mail by double-clicking on the attachment as specified in the Secure Message e-mail.

If you have any questions or require further information regarding the use of the TLS security encryption, please contact your Technical Key Account Manager using your VIP number or via e-mail to: cts@deutsche-boerse.com.

2 August 2018