DETA | March 2023

Two-factor authentication (2FA)

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Introduction

What is Two-Factor Authentication (2FA)?

- It's a type of Multi-factor authentication (MFA)

- It provides an extra layer of security that helps to protect the user accounts.

- With 2FA, the user needs to provide two forms of identification to log in to his account:

    1. Something that the user knows → user & password.

    2. Something that the user get → one-time code, USB stick, fingerprint…

- 2FA helps to ensure that even if someone else gains access to your password, they still won't be able to log in to your account without the second form of identification.

Why is 2FA needed?

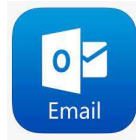**Two-factor authentication is needed in DETA due to:**

- The sensitive nature of the data contained within the system, such as test reports.

- Usernames and passwords alone are not secure enough.

- Unauthorized individuals may gain access to sensitive information by stealing passwords.

- By implementing two-factor authentication, the system has an additional layer of security to protect user accounts and prevent unauthorized access to sensitive data.

Two factor authentication with email

How does it work?

- The user enter his login credentials (username and password) as usual on the DETA website.

- The systems sends an unique code to the user email address. This code is usually a six-digit number.

- The user checks the email and enter the code into the DETA login page.

- If the code is correct, the user can access DETA.
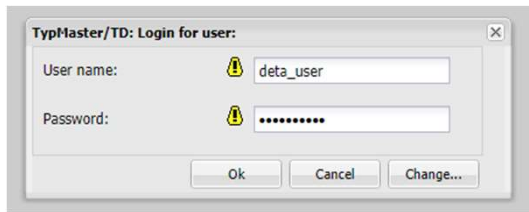
Benefits of 2FA with email

- It's easy to use and doesn't require cell phones or any special apps or devices.

- It provides an additional layer of security beyond just a password, making it harder for attackers to gain unauthorized access to your accounts.

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Two factor authentication with email – Use case

One factor

Introduce the user & password
DETA

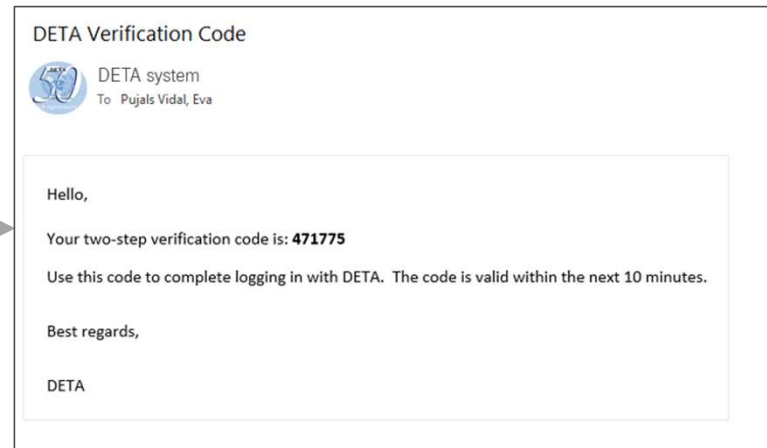| TypMaster/TD: Login for user:	☒
User name:	⚠ deta_user
Password:	⚠ ••••••••
	Ok Cancel Change...

If the password is correct, the user gets a code by email

DETA Verification Code

DETA system
To   Pujals Vidal, Eva

Hello,

Your two-step verification code is: **471775**

Use this code to complete logging in with DETA. The code is valid within the next 10 minutes.
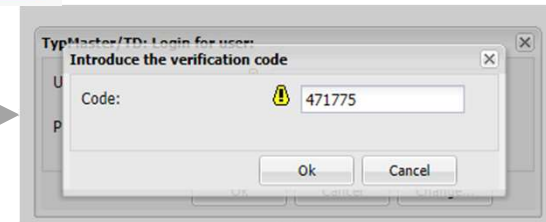
Best regards,

DETA

Email

Two factor

Introduce the code

TypMaster/TD: Login for user:	
Introduce the verification code	☒
Code:	⚠ 471775
	Ok Cancel

Login

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Requirements

What is needed?

- The software house must implement the 2FA in DETA.

- The server administrator must configure an email server (SMTP server) that enables the system to send emails.

- The administrator of DETA should ensure that a valid email address is stored for each user of the system. The emails can already be stored in Administration – Users

→ We recommend to use the company email address as it often provides additional security features and is typically managed by IT professionals

Q&A

Are there some questions about TFA?

Answers

Thank You

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