

10<sup>th</sup> June 2020

# From NemID to MitID

Information meeting for private  
service providers, 10<sup>th</sup> June 2020

MitID – af partnerskabet mellem Digitaliseringsstyrelsen og de danske pengeinstitutter



# Introduction

## From the MitID-program:

- Jens Østergaard, program management
- Peter List, migration
- Julie Rasmussen, communication
- Eva Rieks, communication

## From Finans Danmark:

- Louise Fjord, Senior Consultant

## Brokers:

- Criipto, Niels Flensted-Jensen
- Signicat, Rasmus Kristiansen
- Signaturgruppen, Morten Storm Petersen
- NemLog-in, Stine Kern Licht

## Opportunities for dialogue during the meeting

All participants are automatically *muted* – apart from the presenters.

- Everyone can ask questions by typing them in the chat function. We will collect and respond to them during the meeting.

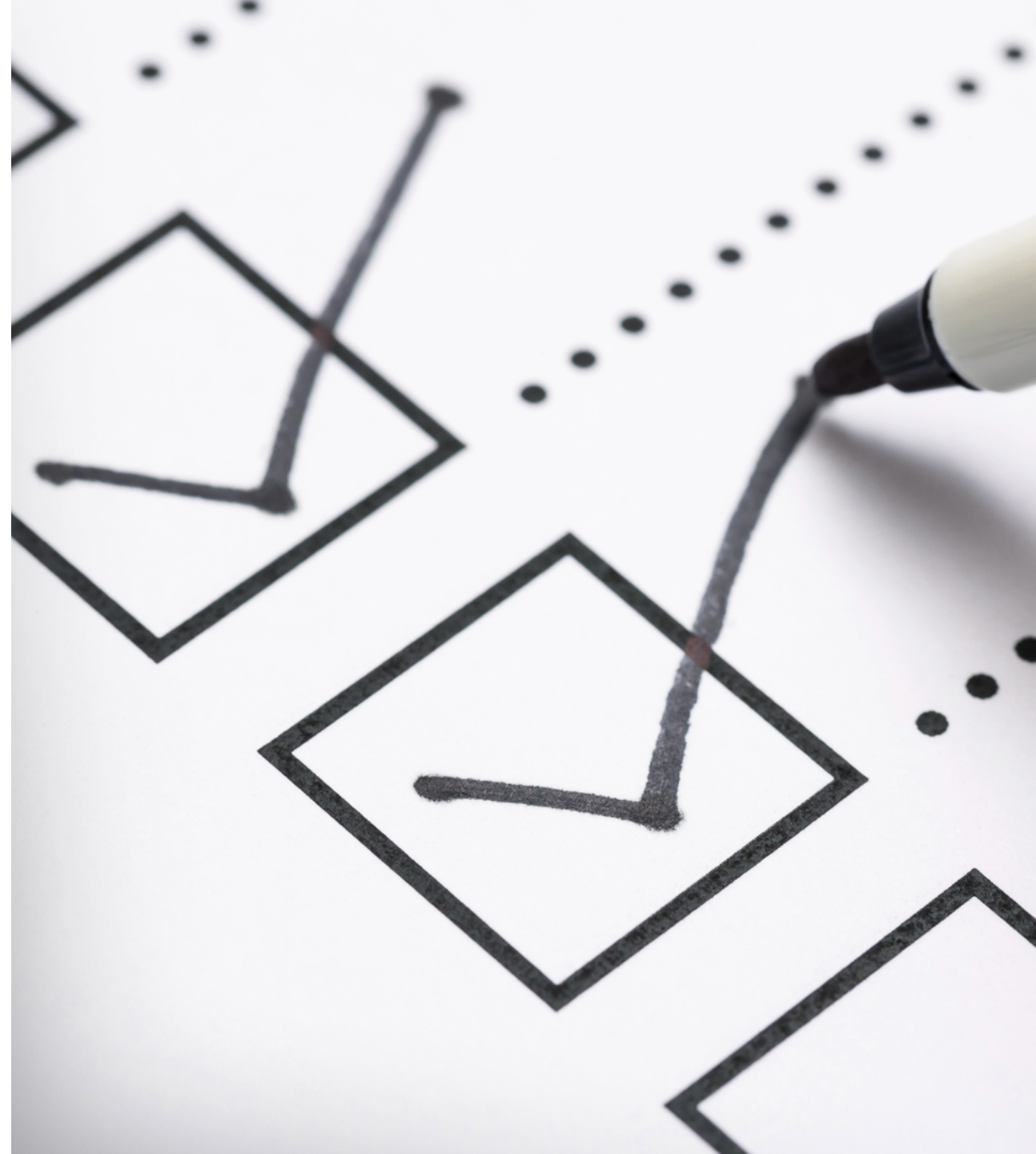
# The purpose of the meeting

1. Ensure that you know what MitID is. And how it will effect you.
2. Ensure that you know what you must do to be able to identify and authenticate your users.
3. Introduce the brokers whom can give you access to MitID.



# The agenda

- About MitID, with Jens Østergaard (The program manager at MitID).
  - General introduction to MitID.
  - MitID means of identification and authenticator assurance level.
  - Time plan.
  - The brokers' role and your corporation with them.
  - Price model – for brokers.
- Introduction of the certified brokers.
- The next step and thanks for today, Eva Rieks (MitID).



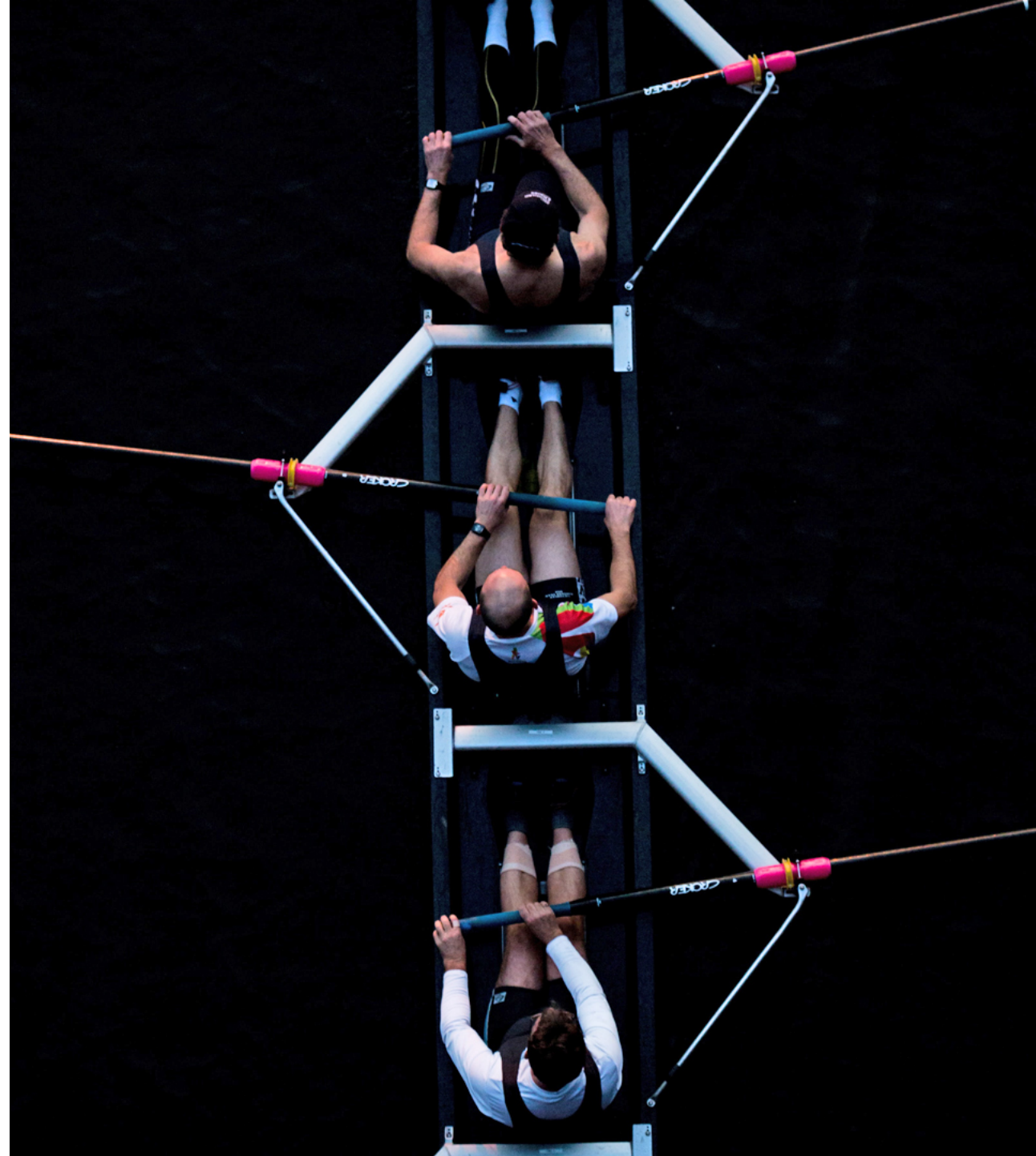
# About MitID

# General introduction to MitID

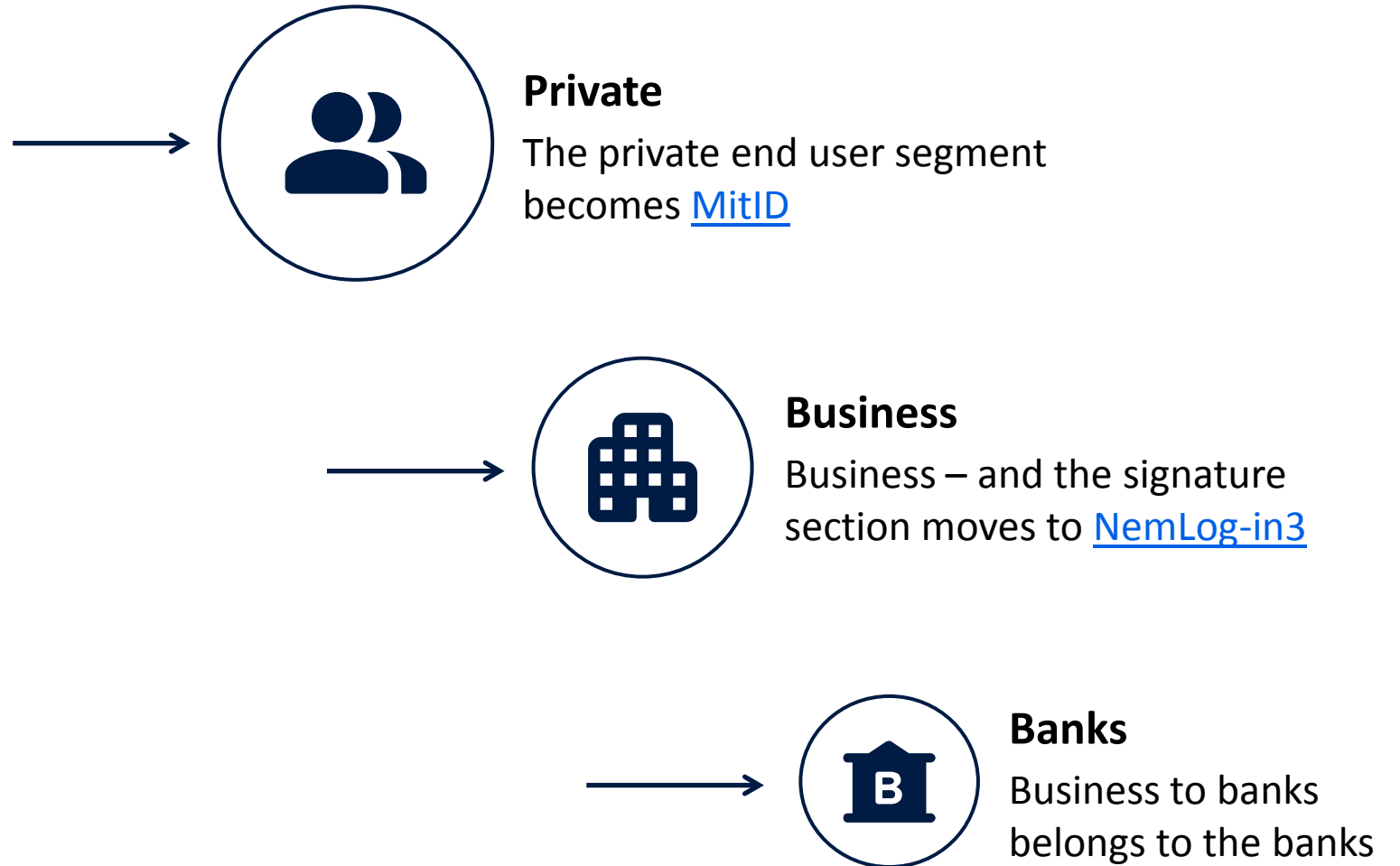
# The partnership behind MitID

A unique and well-established partnership between the public sector and Danish Financial Institutions:

- A shared desire for a strengthened, secure and flexible digital infrastructure in Denmark.
- The task is:
  - develop MitID, making the solution available to all in Denmark.
  - focus on the shared needs of the public and the private sector.
  - facilitate a smooth transition to the new solution.



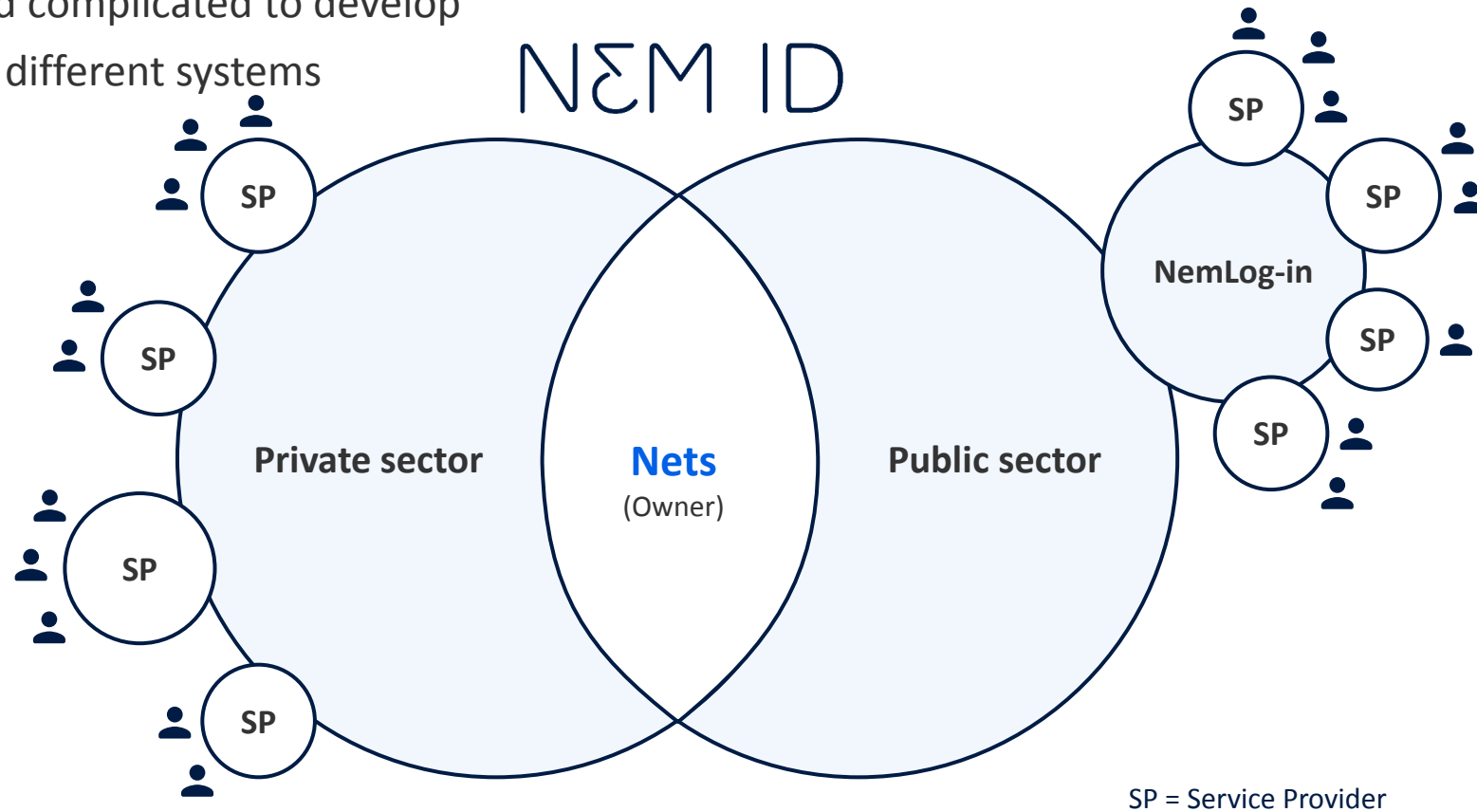
# NemID being replaced





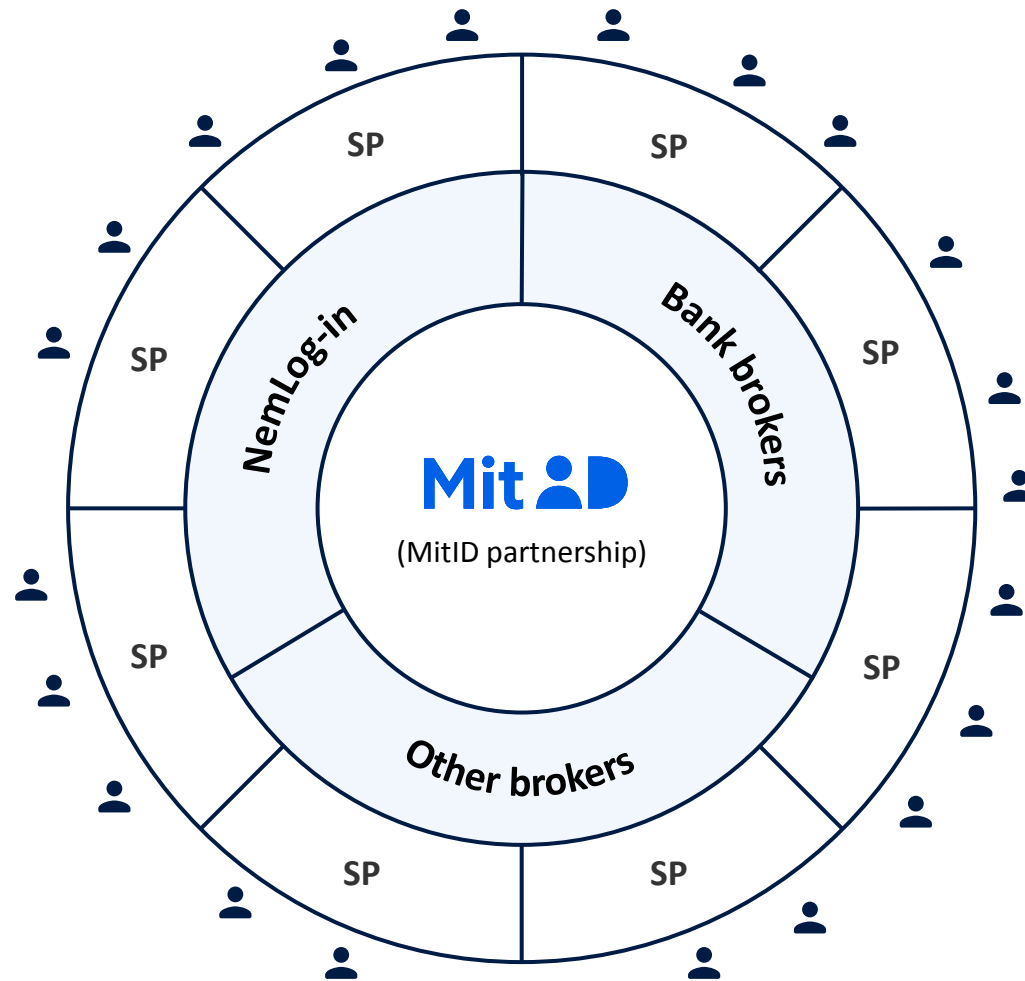
# From NemID...

- ✓ Functions fine, but is not future-proof
- ✗ Is expensive and complicated to develop
- ✗ Consists of two different systems



# ... to MitID

- ✓ Future-proof – flexible and modular
- ✓ Easier to develop
- ✓ One unified system



SP = Service Provider

## For you this means that:

- You must have MitID to continue to authenticate your private users.
- You gain access to MitID through a broker of your choice.
- The brokers make the use of MitID easier for you, as well as managing the maintenance tasks.

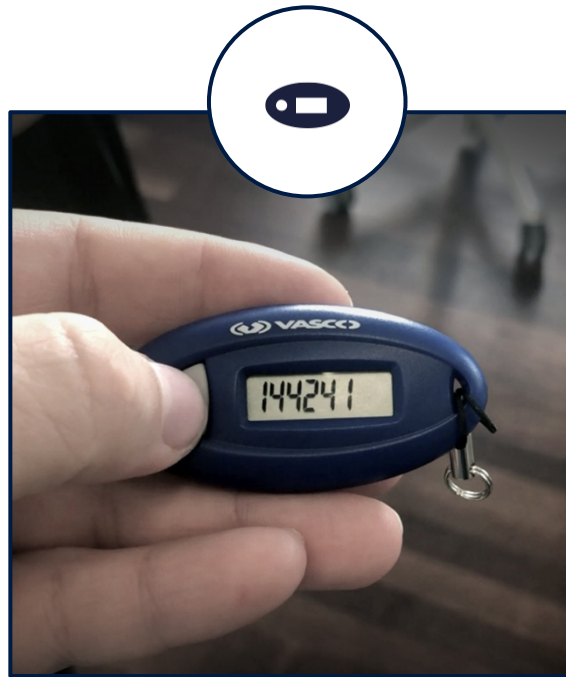
# MitID means of identification and authenticator assurance levels

# MitID identification tools

All end-users must have a user ID and choose one or more of the following identification tools (when selecting code display, chip or code reader, the end-user must use a password):



MitID app



MitID code display



MitID chip



MitID code reader

# Security levels

- MitID uses the National Standard for Identiteters Sikringsniveau (NSIS) as its framework (Level of Assurance (LoA)).
- There are three levels of assurance for the combined strength of registration and authentication (low, moderate and high).
- You decide the level of assurance needed so as your private end-users can access your digital self-service solution.

## **Assurance level 'high'**

- Password + MitID chip
- MitID app + MitID chip

## **Assurance level 'moderate'**

- MitID app
- Password + MitID code display
- Password + MitID code reader

## **Assurance level 'low'**

- Password
- MitID chip

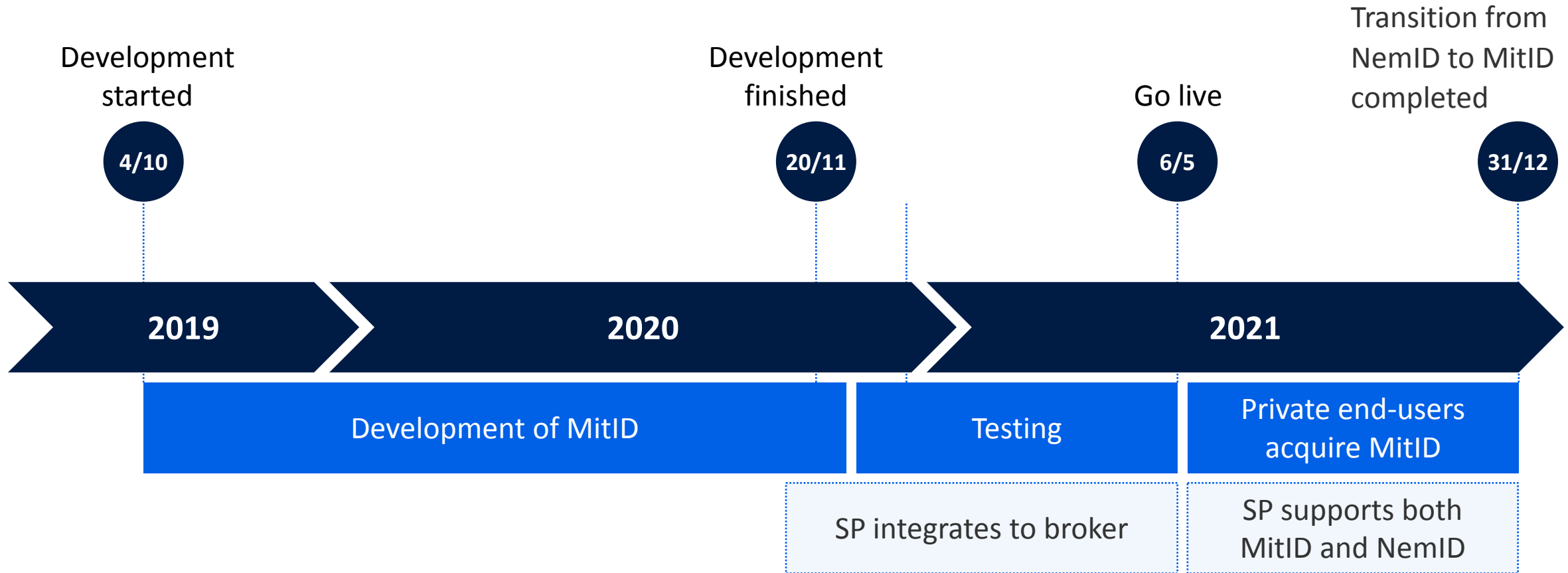
# Summary 1

- You must have MitID to continue to authenticate your private users.
- You gain access to MitID through a broker of your choice.
- You select the level of assurance (low, moderate, high).
- The brokers make the use of MitID easier for you, as well as managing the maintenance tasks.



# Time plan

# Time plan



SP = Service Provider



# The brokers' role and your corporation with them

# The important role of the brokers

- Brokers play an important role in MitID; therefore the standards are set high:
  - All potential brokers must complete a basic certification - requirements and documentation of e.g. management system for information security and various controls.
  - The certified brokers must then be further certified in different models (chosen by the individual brokers): Standard, Package, Flexibility.
- Potential brokers can, on an ongoing basis, request basic certification. The certified brokers will appear on [digst.dk/it-loesninger/mitid/](https://digst.dk/it-loesninger/mitid/)
- It is essential that all service providers have a broker. MitID wants to keep up with developments on an ongoing basis, so we're sure that everyone transitions well to MitID.

# The brokers must, among other things, comply with the MitID UX scheme



# #1 A safe defined box with a frame

- Recognition is important when it contributes a feeling of security.
- The ‘NemID-box’ and the accompanying logo contributes to familiarity for the end-user, no matter on which platform they see it.

“The little grey box  
contributes to a feeling  
of security”

*(end-user)*

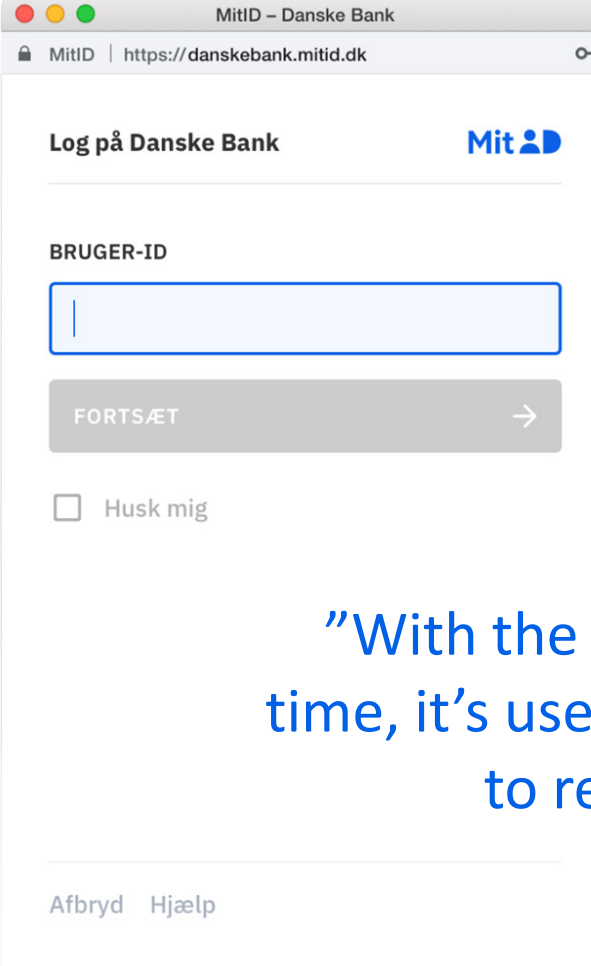


## #4 A step-by-step experience


- UI-focus to help navigate the end-user through the procedure.
- The end-user would like to be met with the same start screen, as it contributes to a feeling of security.

”I just want to be able to log in quickly, whether I'm at home or out. When I get a notification, I want to log in and check what it is straight away.”

*(end-user)*



MitID – Danske Bank  
MitID | https://danskebank.mitid.dk

Log på Danske Bank 

BRUGER-ID

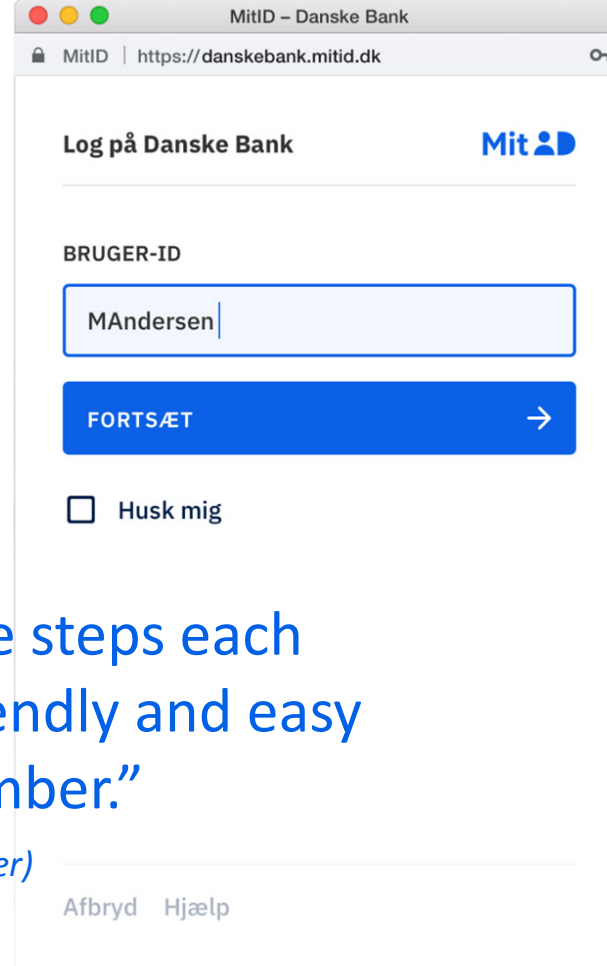
FORTSÆT →

Husk mig


Afbryd Hjælp

”With the same steps each time, it’s user-friendly and easy to remember.”

*(end-user)*



MitID – Danske Bank  
MitID | https://danskebank.mitid.dk

Log på Danske Bank 

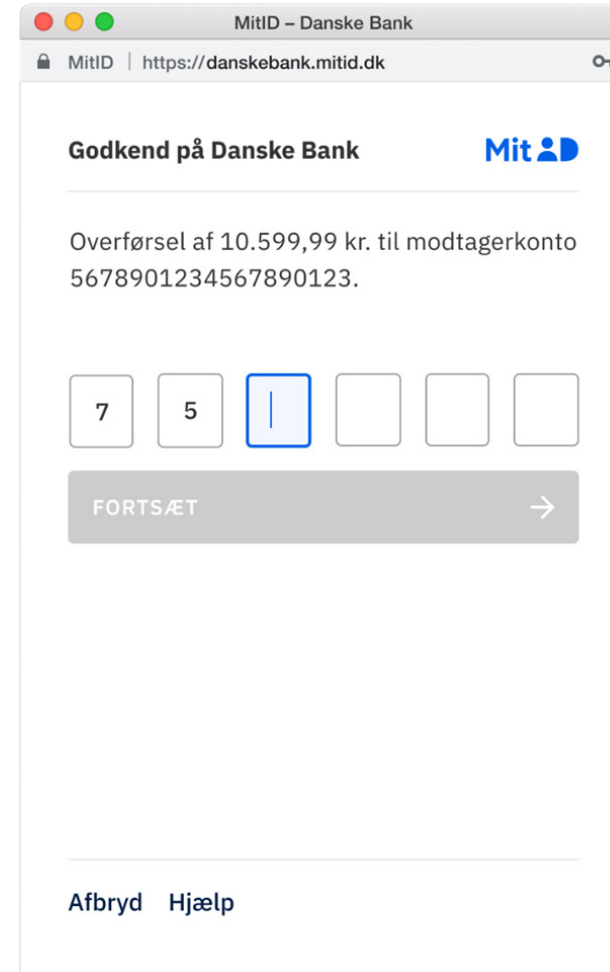
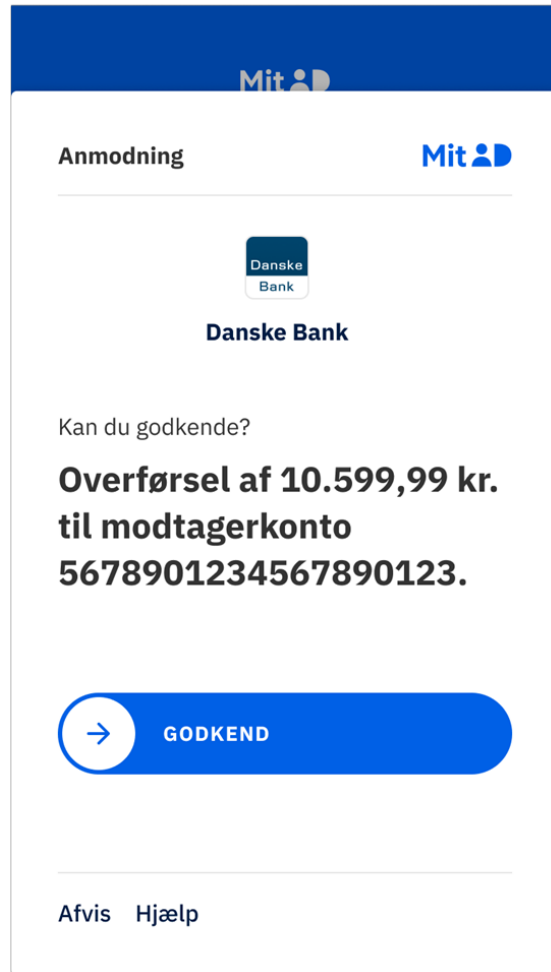
BRUGER-ID

FORTSÆT →

Husk mig

Afbryd Hjælp

# #9 An example of a bank transfer notification



# Corporation and roles

- The brokers make the use of MitID easier for you, as well as managing the maintenance tasks.
- Brokers offer you support in conjunction with joining, integration and invoicing.
- This dialogue and cooperation takes place directly between you and your broker.
- You should find a broker as quickly as possible.



# Price model – for brokers



# The principles for MitID-prices in relation to brokers

- Brokers pay a transaction price to MitID.
- Same price for all brokers.
- The price is per. authentication from the service provider (authentication request).
- The price consists of:
  - authentication request price (AAP).
  - Additional price for core client.
- Development contributions are paid.



# The amount of authentications requests is crucial – for *brokers*

The authentication request price (AAP) is variable and depends on:

- 1) The number of authentication requests: The price decreases with an increase in requests.
- 2) The number of physical identifiers: The price increases, the more private end users who choose physical identifiers.

- The authentication request price is higher in the first contract year (1<sup>st</sup> May 2021-30<sup>th</sup> June 2022) – due to the cost of handing over physical identifiers, as well as other contributing factors
- The authentication request price is set annually, based on the expected total number of requests and means of identification - and subsequently adjusted annually
- The authentication request price changes in year 10 - due to changed transaction volume and physical identifiers, as well as other factors

## Summary 2

- MitID goes live on the 6th May 2021; at this point you must have integrated to MitID via a broker of your choice.
  - If you have business users, be aware of how your broker handles it.
- You must support both NemID and MitID until December 31, 2021, when the transition from NemID to MitID is completed. After this point you must just support MitID.



# Introduction of the certified brokers

# Certified brokers

At the current time, the certified brokers are:

- Criipto
- Signicat
- Signaturgruppen
- NemLog-in

# Criipto



IDENTITY IS THE NEW FIREWALL

## Criipto MitID broker

Flexibility for developers.

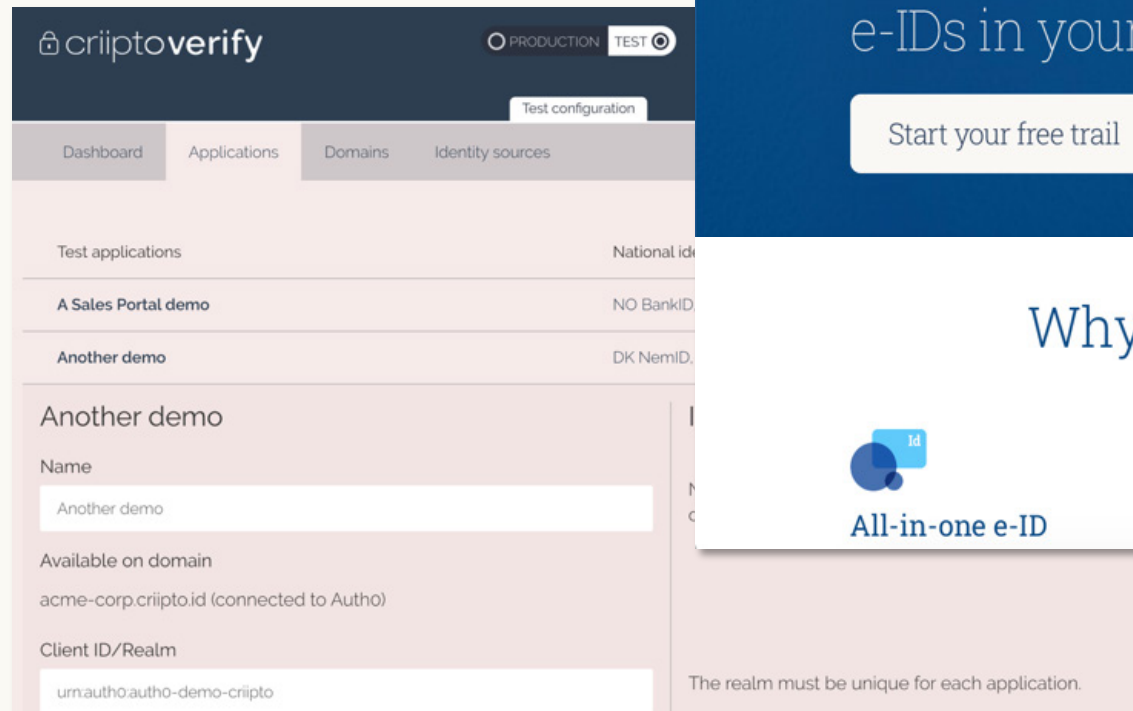
Security and robustness for operators.

# Key points

- 1 Integrate in a few hours with OpenID Connect
- 2 Sign with MitID in the browser using short lived keys
- 3 Self-service portal for administration and stats
- 4 Customization of login and signing pages
- 5 Extend with your code to e.g. check with your CRM (ultimo 2020)
- 6 Fee based solely on on number of transactions



# Criipto Verify – Identity as a Service



The screenshot shows the Criipto Verify dashboard. At the top, there's a header with the logo, a toggle for 'PRODUCTION' and 'TEST', and a 'Test configuration' button. Below this is a navigation menu with 'Dashboard', 'Applications', 'Domains', and 'Identity sources'. The main content area shows a table of test applications:

| Test applications   | Identity sources |
|---------------------|------------------|
| A Sales Portal demo | NO BankID        |
| Another demo        | DK NemID         |

Below the table, there's a detailed view for 'Another demo' with the following fields:

- Name: Another demo
- Available on domain: acme-corp.criipto.id (connected to Auth0)
- Client ID/Realm: urn:auth0:auth0-demo-criipto

A note at the bottom right states: 'The realm must be unique for each application.'

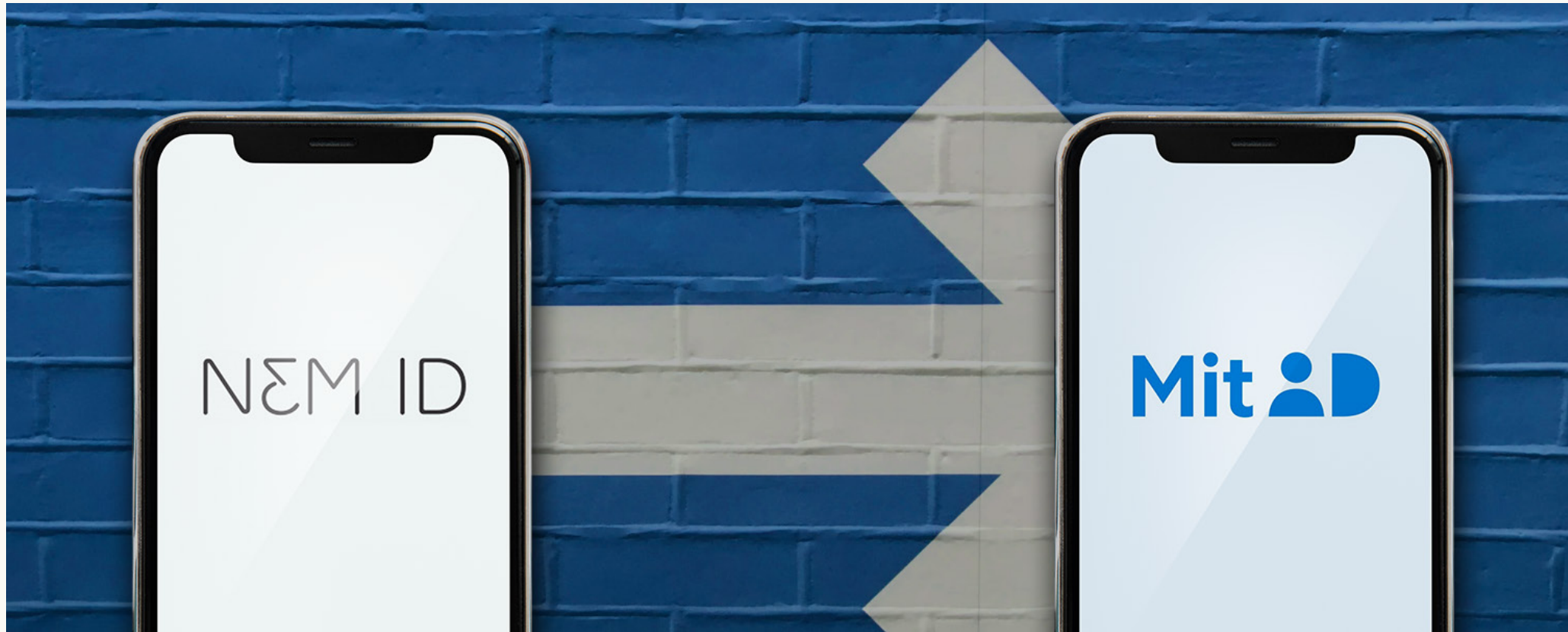


The landing page features a dark blue header with navigation links: Menu, Operations status, criipto logo, Documentation, Pricing, Log in, and Sign up. The main hero section has the text: 'Simplest way to set up NemID, BankID, and other e-IDs in your app' and a 'Start your free trail' button. Below this is a section titled 'Why developers love Criipto Verify' with four icons and their corresponding benefits:

- All-in-one e-ID (ID icon)
- Ready in no time (clock icon)
- Easy integration (gears icon)
- Great support (speech bubbles icon)

MitID i Praksis: Webinar - in Danish - on June 18 at 10 AM

@webinar.cripto.com

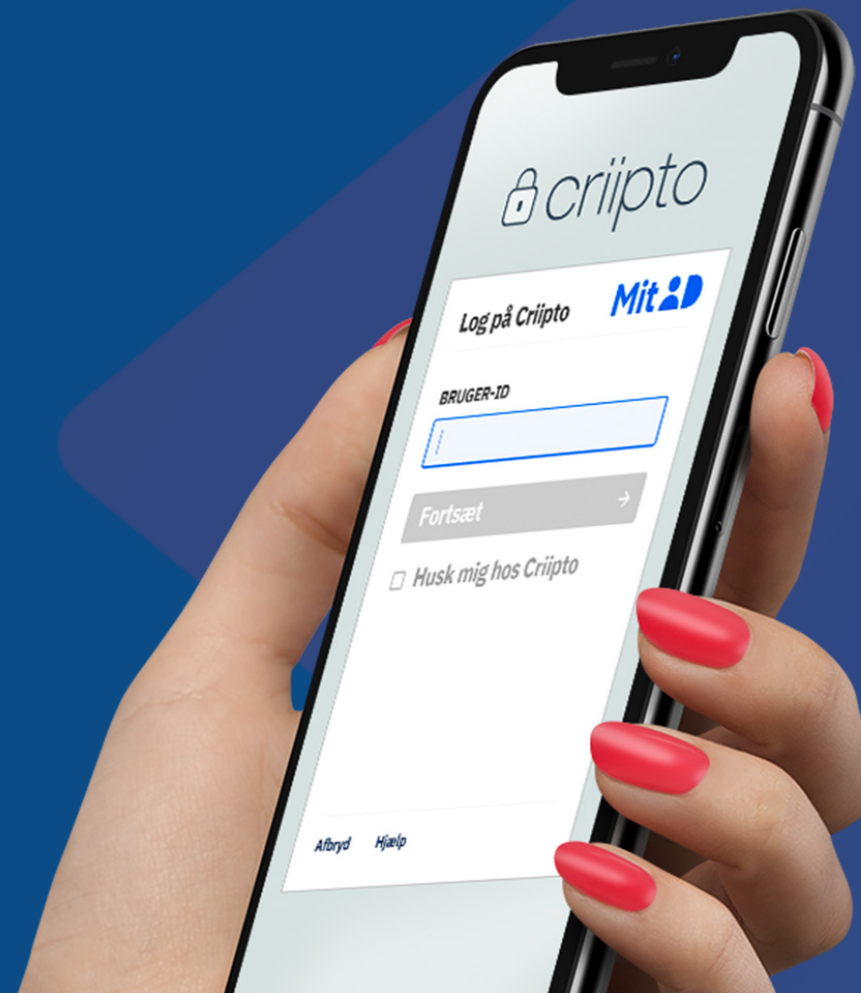


# Thank you!

Niels Flensted-Jensen

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 criipto

# Signicat

# MitID Tilstandsrapport



Book here 😊

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# Signaturgruppen



# Nets eID **BROKER**

**Partnership and innovation  
- with you og your IT supplier!**

email: [morten@signaturgruppen.dk](mailto:morten@signaturgruppen.dk)

Phone: (+45) 70256425

Web: <https://broker.signaturgruppen.dk/>



SignaturGruppen  
by nets

# NemLog-in



# Links and contact information

- NemLog-in portal: [migrering.nemlog-in.dk](https://migrering.nemlog-in.dk)
- Sign up for the NemLog-in newsletter: [Sign up via the NemLog-in portal](#)
- Read more about NSIS:  
<https://migrering.nemlog-in.dk/nemlog-in-broker/privat-tjenesteudbyder/nsis/>
- Read more about the OIO SAML standard:  
<https://migrering.nemlog-in.dk/nemlog-in-broker/privat-tjenesteudbyder/oiosaml-3-0-1/>
- Read more about certificates:  
<https://migrering.nemlog-in.dk/nemlog-in-broker/privat-tjenesteudbyder/certifikater/>
- See previous webinars and info videos about NSIS and OIOSAML:  
<https://migrering.nemlog-in.dk/kontakt-og-support/infovideoer-og-webinarer/>
- Contact: [kontakt@nemlog-in.dk](mailto:kontakt@nemlog-in.dk).

**Next step and thanks for today**

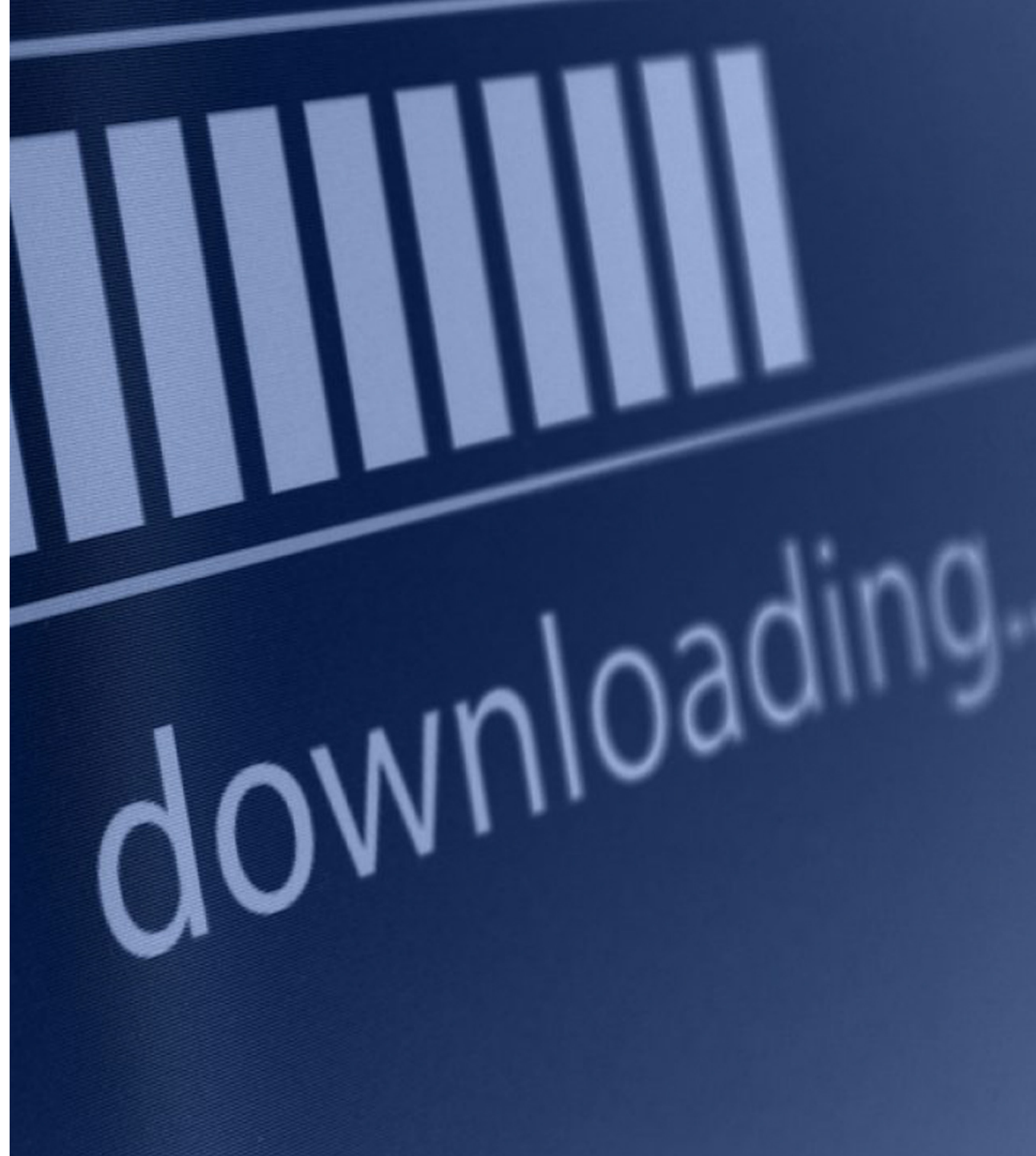
# What happens next?

- We will upload the presentation.
- We will upload the video recording from the meeting.

Both can be found here:

Mitid.dk (<https://digst.dk/it-loesninger/mitid/>)

[digst.dk/it-loesninger/implementeringssite/private-tjenesteudbydere/](https://digst.dk/it-loesninger/implementeringssite/private-tjenesteudbydere/)



**Thank you**