



Inter-*Actief* Hackathon 2026



Casus: inbox app for sign requests

Digital signatures

Background



What is a digital *signature*

Electronic signature versus digital signature:

- **Electronic signature** a simple scribble or copy/paste of one's signature image
- **Digital signature** a technical solution using digital certificates and cryptography



The purpose of a *digital signature*

- **Verification of the signatory's identity**
- identification & authentication -
- **Garantuee a document's integrity**
- integrity & legally valid -



European law

- *eIDAS*

Electronic Identification, Authentication & Trust Services

- A uniform European legal standard for trust services
- Enhance digital transactions within the EU
- 3 levels of digital signatures (see next slides)
- Dutch law: 3:15a Dutch Civil Code



Categories eSignature

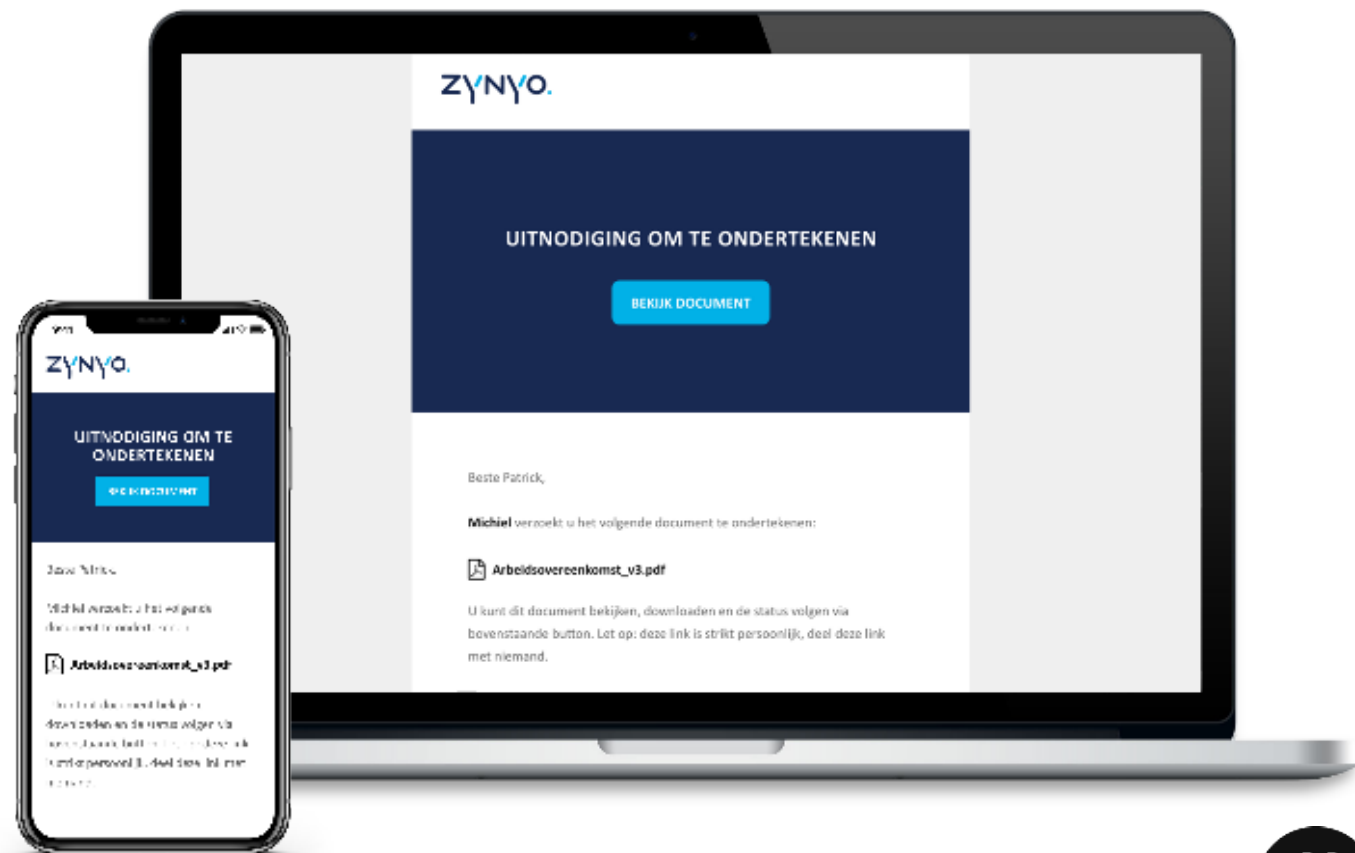


Characteristics	Normal	Advanced	Qualified
Binding	Yes	Yes	Yes
Security	Limited	Substantial	High
Identification	Scribble, SMS	BankID, Passport, eWallet	Personal PKI-certificate
Integrity	Yes (eSeal)	Yes (eSeal)	Yes (eSeal)
Documents	Limited impact	Substantial impact	High impact
Users	Natural Persons	SME	Notaries, accountants
Costs	Limited	Average	Average / high



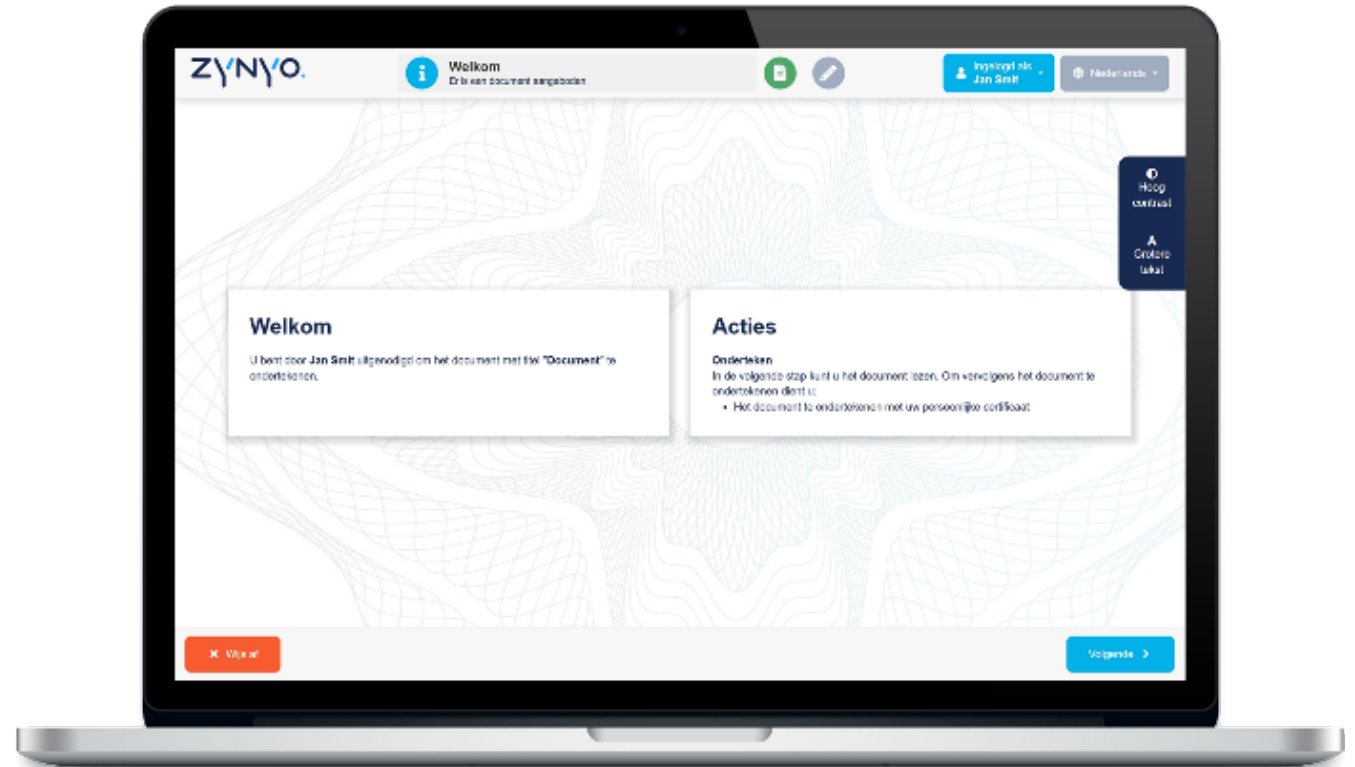
Signing *process*

E-mail to signatories with invitation to sign



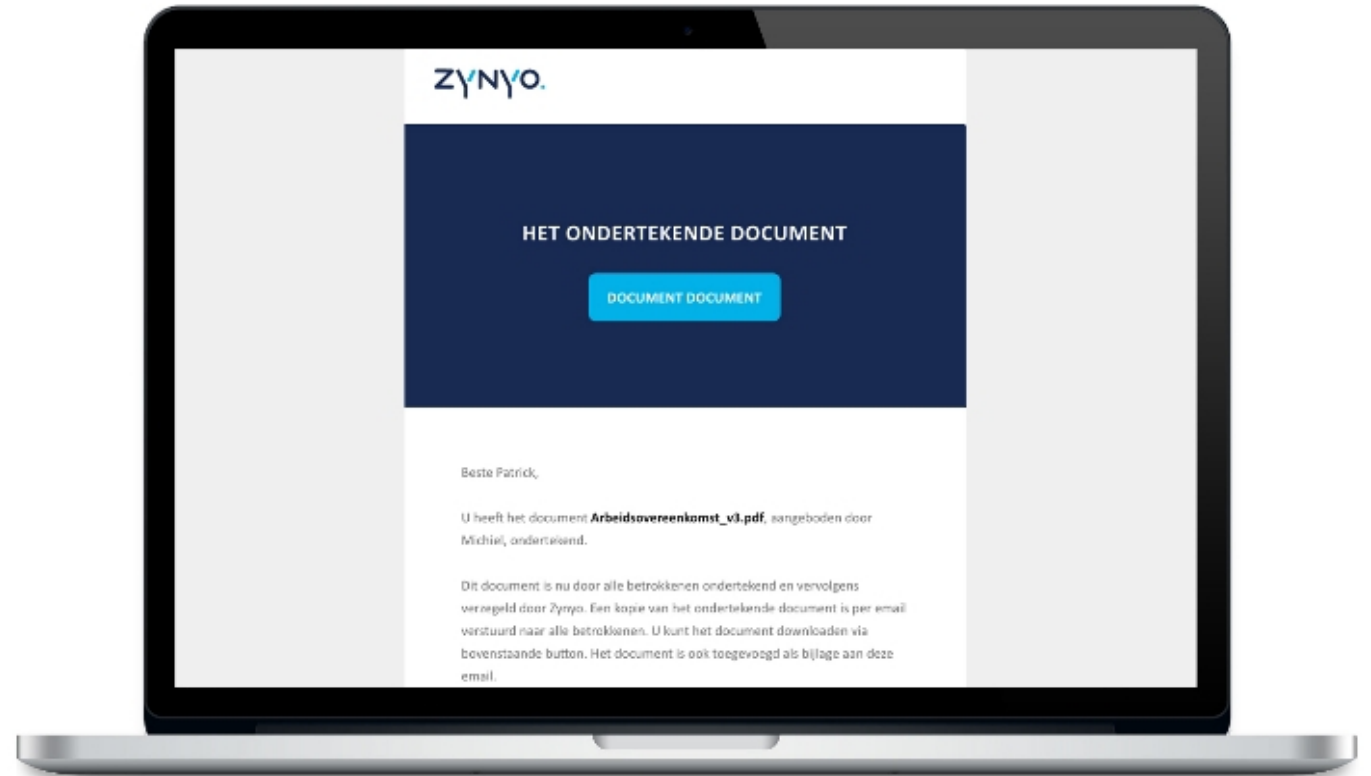
Signing *process*

Complete the steps on the signing page



Signing *process*

All signatories receive the signed document



Signing *process*

Digital signature with:

- Audit trail (transaction information)
- Electronic seal
- Qualified timestamp

 Signed and all signatures are valid.



Certificate of signing process

This evidence contains the data of the sign request with an audit log of the signature process executed by the signatories of this document.

General information

Document name	Blanco Test formulier Zynyo 15	Term for signature	31 days
Document ID	0036aa25-551b-424d-a6d7-4a71a59f1d80	Provider	Zynyo
Created at	Wednesday 5 July 2023 14:04 CEST		

Signatory 1

 Name	Michiel Geerdink		
 Request send	Wednesday 5 July 2023 14:04 CEST	E-mail address	michiel.geerdink@zynyo.com
 Document opened	Wednesday 5 July 2023 14:04 CEST		
 iDIN transaction number	0750000548146468	iDIN verification	Wednesday 5 July 2023 14:23 CEST
		Name	MOJ Geerdink
		Postal code	2051JA
		House number	15
		Date of birth	1970-06-21

 **Document signed** Wednesday 5 July 2023 14:22 CEST



Signing *process*

- Demo: sandbox.zynyo.com



Casus introduction

Inbox app for sign requests



Inbox app

- Sign request send to the user should be visible in the app
- Can open sign request from the app
- Additional feature ideas:
 - Push notifications for new sign requests
 - Open bulks sign for multiple sign requests
 - Edit sign requests



Scoring criteria

- Platforms: Android and iOS
- Functionality
- Look-and-feel
- Maintainability



Technical details

- API-docs: sandbox.zynyo.com/api/docs
- See [Document Pagination](#)
- Filter by recipient email
- For push notification either use polling or callbacks

