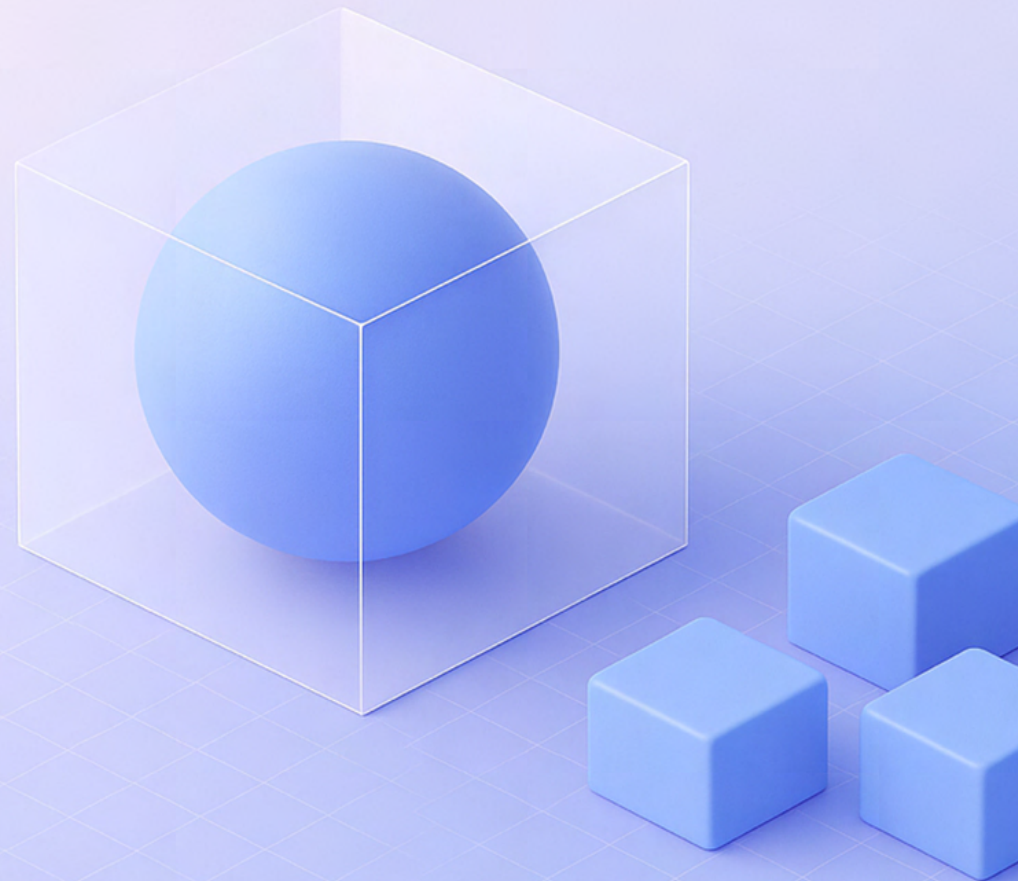


# DeepSign On-Prem Solution

Secure digital signatures –  
directly in your IT environment



# Zero Knowledge Signing

A new way to sign:  
Secure, flexible and with full data sovereignty.

## Summary

DeepSign On-Prem complements the existing DeepSign SaaS solution with an on-premise component for secure signing within your own IT environment. This white paper provides an overview of the most important features, areas of application, technical requirements and costs.

## Challenge

Public authorities and SMEs with strict data protection guidelines often face the difficulty that confidential documents are not allowed to leave their own IT environment.

Pure SaaS offerings are unsuitable in such cases, as documents are processed externally and therefore do not meet all data sovereignty requirements. Traditional on-premise solutions involve considerable effort.

They require in-depth technical know-how, incur high operating costs and require continuous maintenance,

updates and operational security. In addition, companies must ensure that their signature processes comply with strict legal and regulatory requirements.

## Solution

With DeepSign's hybrid approach, you can combine the advantages of cloud and on-premise solutions:

- Start signatures directly from your specialist applications – with minimal integration effort.
- Legally compliant signatures without sensitive documents leaving your infrastructure.
- Maximum security and compliance through processing in your corporate environment.

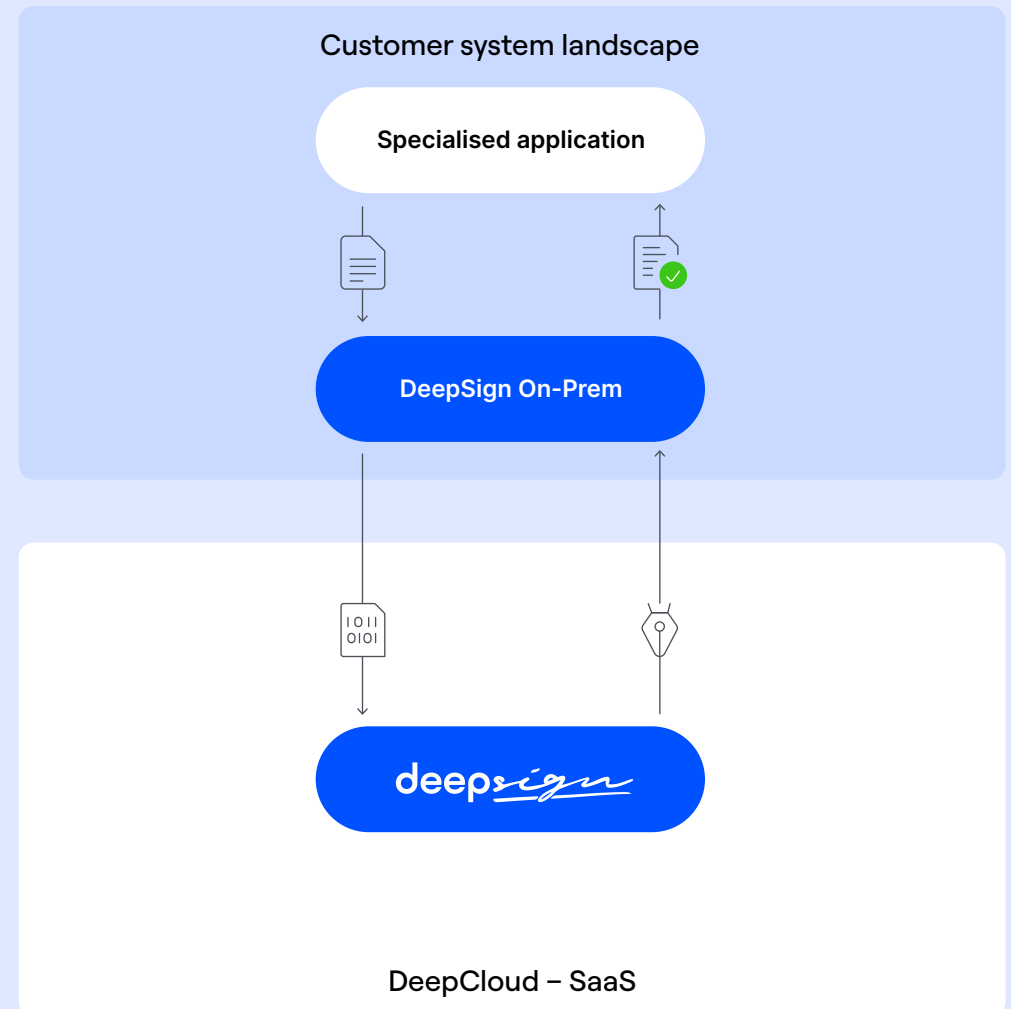
The DeepSign SaaS solution is also available for complex and scalable signature workflows. This gives you the best possible combination of security, efficiency and flexibility.



# Local installation

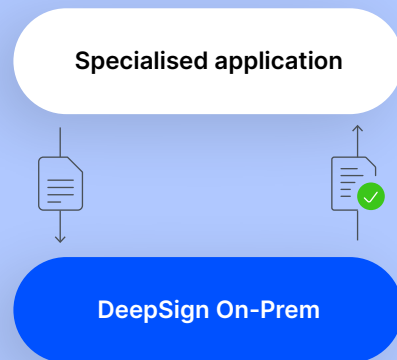
The DeepSign On-Prem Solution is operated directly on your servers, so that the documents remain within your environment.

This architecture helps you to comply with internal security policies and regulatory requirements.



# Simple integrations

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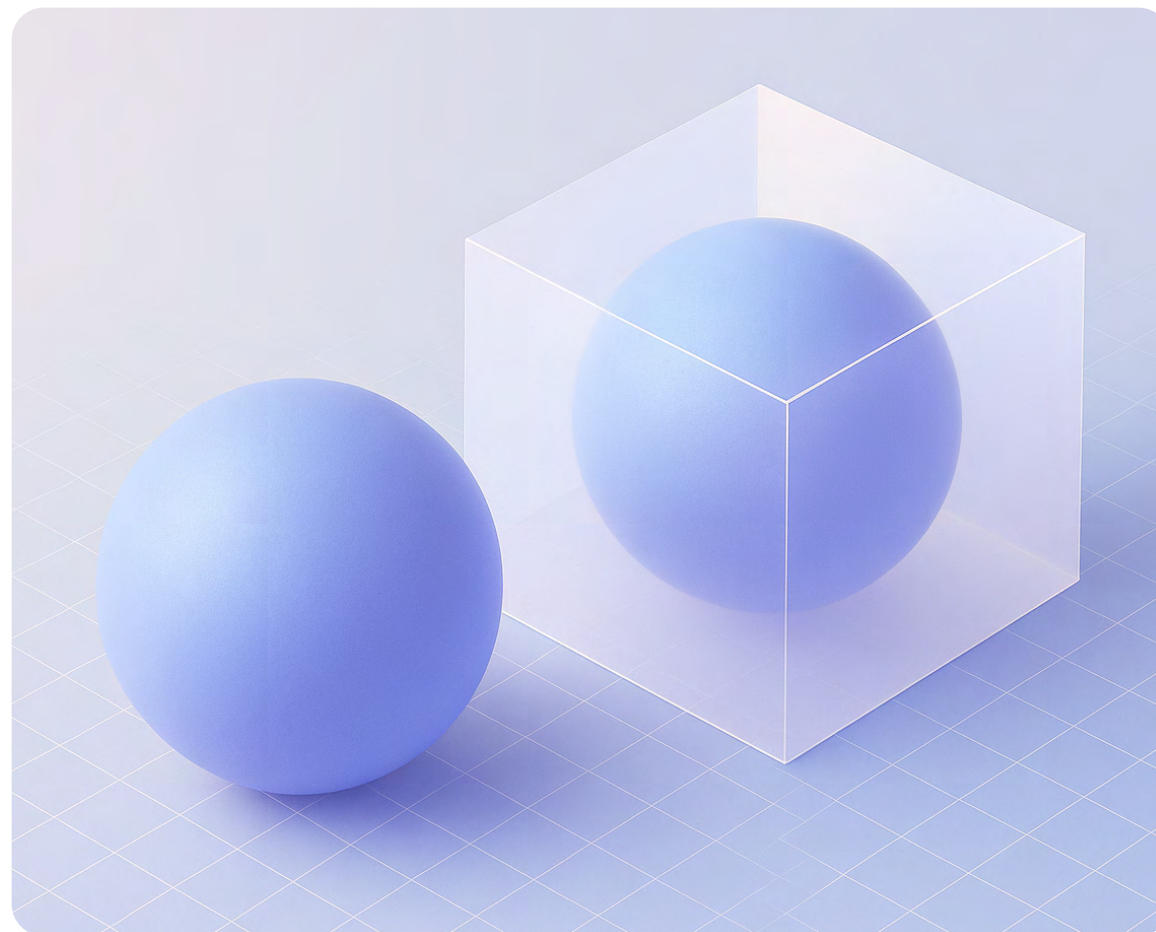
With the DeepSign On-Prem Solution, integrating zero-knowledge signing into your specialist applications is child's play.

The specialist application can send the documents to the DeepSign On-Prem solution via REST APIs. DeepSign takes care of all signature handling and sends the signed or sealed document back to the specialist application.

## Hybrid Solution – Combination of on-premises and cloud components

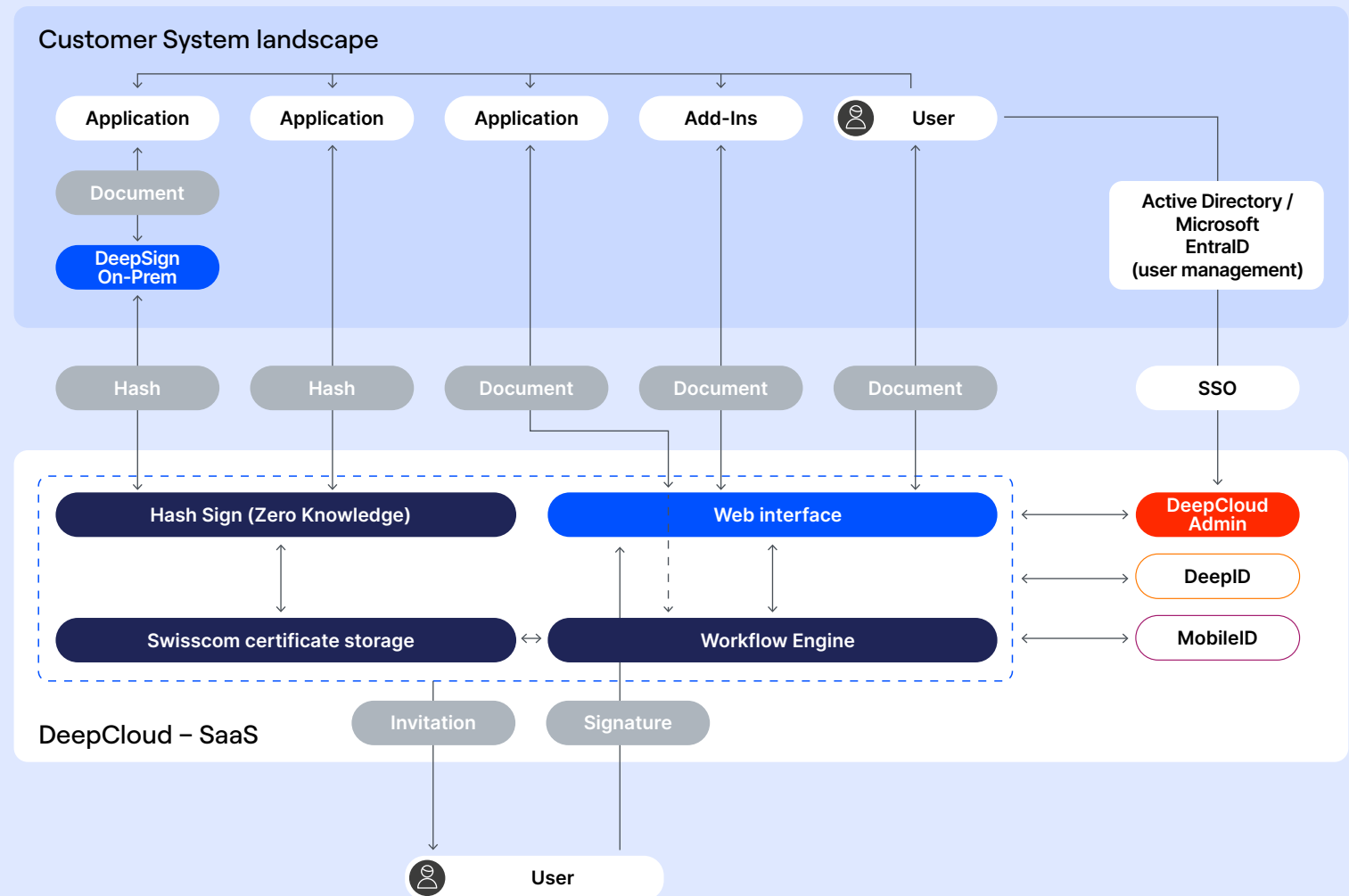
The DeepSign On-Prem Solution specifically expands the DeepSign SaaS solution with an on-premise component. This allows single signature and seal processes to be initiated directly from specialist applications without documents leaving the company's own IT environment.

In cases where signature workflows are required, the workflow engine of the SaaS solution is used to create a workflow for the signature process. Engine of the SaaS solution with its comprehensive functions. In this way, regulatory requirements such as the display of the document to be signed or the placement of a visual signature.

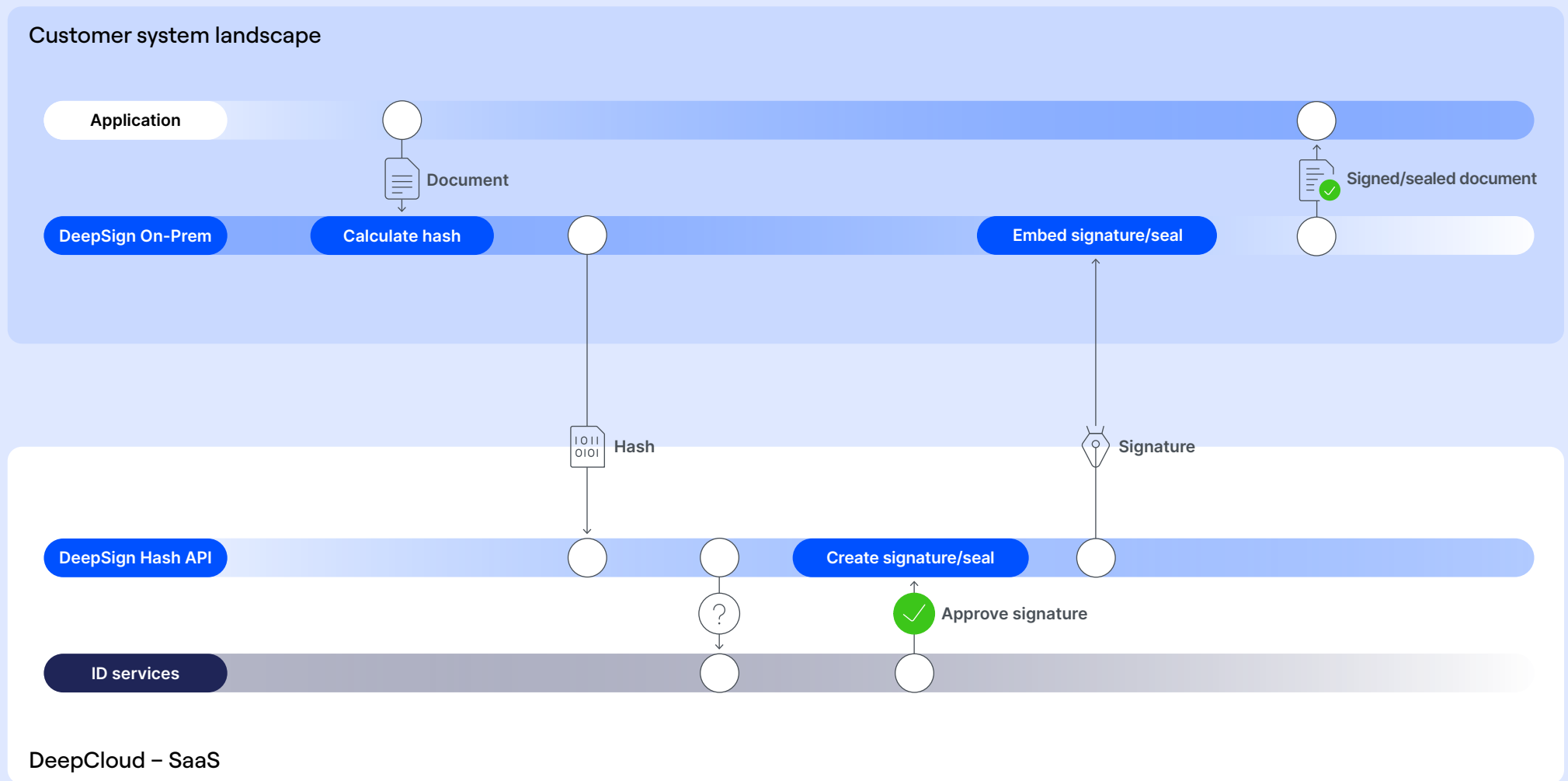


# Architecture

With the available options, including on-premise Operation, zero-knowledge signing and straightforward integration options the solution architecture can be tailored specifically to the customer's requirements.



# Example of a signature via On-Prem Solution



# Prices

## DeepCloud subscription

**Free** /up to Large

A DeepCloud account is required to operate/bill the DeepSign On-Prem Solution.

[To the prices >](#)

## DeepSign On-Prem licence

**CHF 1'500** /per year / client

- ✓ Annual billing.
- ✓ The licence allows the operation of one client.
- ✓ Updates and documentation are included in the usage fees.

## Price per signature/seal

**Pay-per-use or Packages**

Prices vary depending on the signature level  
Costeffective packages are available with paid DeepCloud subscriptions.

[To the prices >](#)

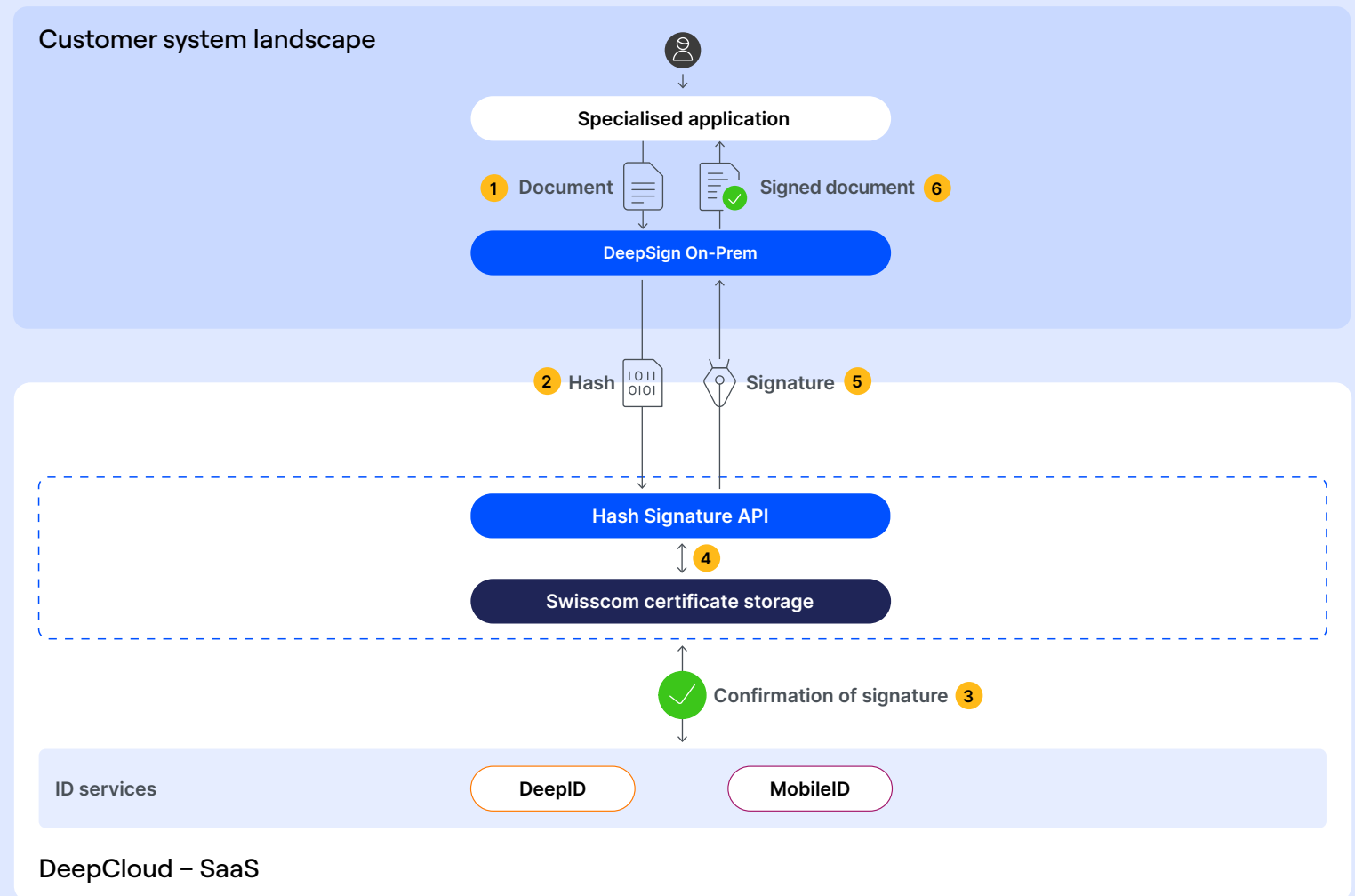
## Use Case 1

# Single signature from a specialist application



The user opens a document in a business management system and wants to digitally sign the document digitally.

- 1 The specialist application sends the signing document to the DeepSign On-Prem Solution.
- 2 The On-Prem Solution calculates the hash and sends the document to DeepSign via the Hash Sign API. The document remains on your infrastructure.
- 3 DeepSign takes care of confirming the signature via DeepID or Mobile ID.
- 4 After successful confirmation, DeepSign creates the signature via Swisscom.
- 5 The on-premise solution retrieves the signature from DeepSign and integrates it into the document.
- 6 The specialist application retrieves the signed document from the on-premise solution and the user can process it further.



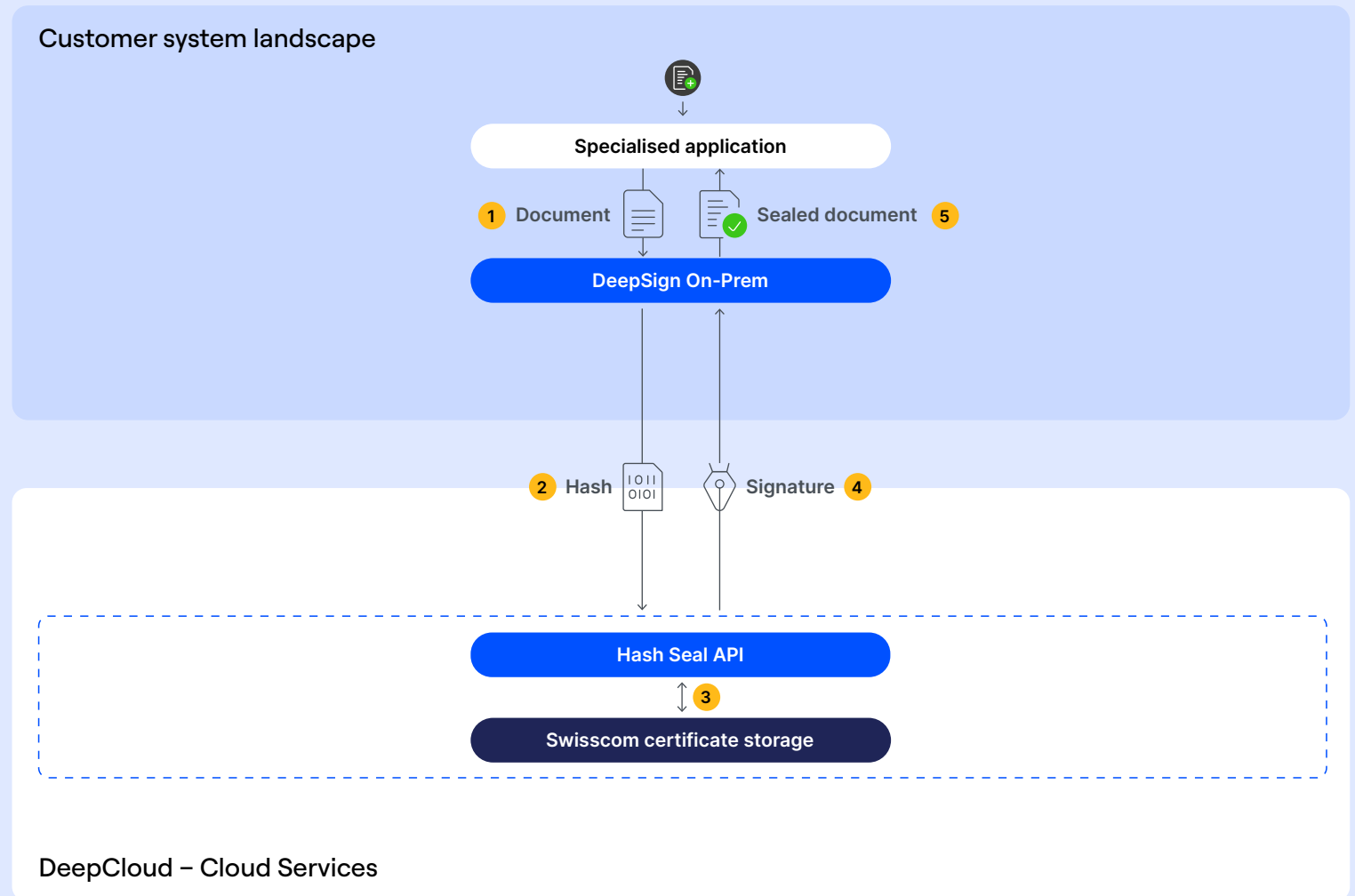
## Use Case 2

# Automatic seal from a specialist application



A new document is created in a business management system and automatically sealed.

- 1 The specialist application automatically sends the document to be sealed to the DeepSign On-Prem Solution.
- 2 The On-Prem Solution calculates the hash and sends the document to DeepSign via the Hash Seal API. The document remains on your infrastructure.
- 3 DeepSign creates the corresponding seal certificate.
- 4 The on-premise solution retrieves the signature from DeepSign and integrates it into the document.
- 5 The specialist application retrieves the sealed document from the on-premise solution for storage or further processing.



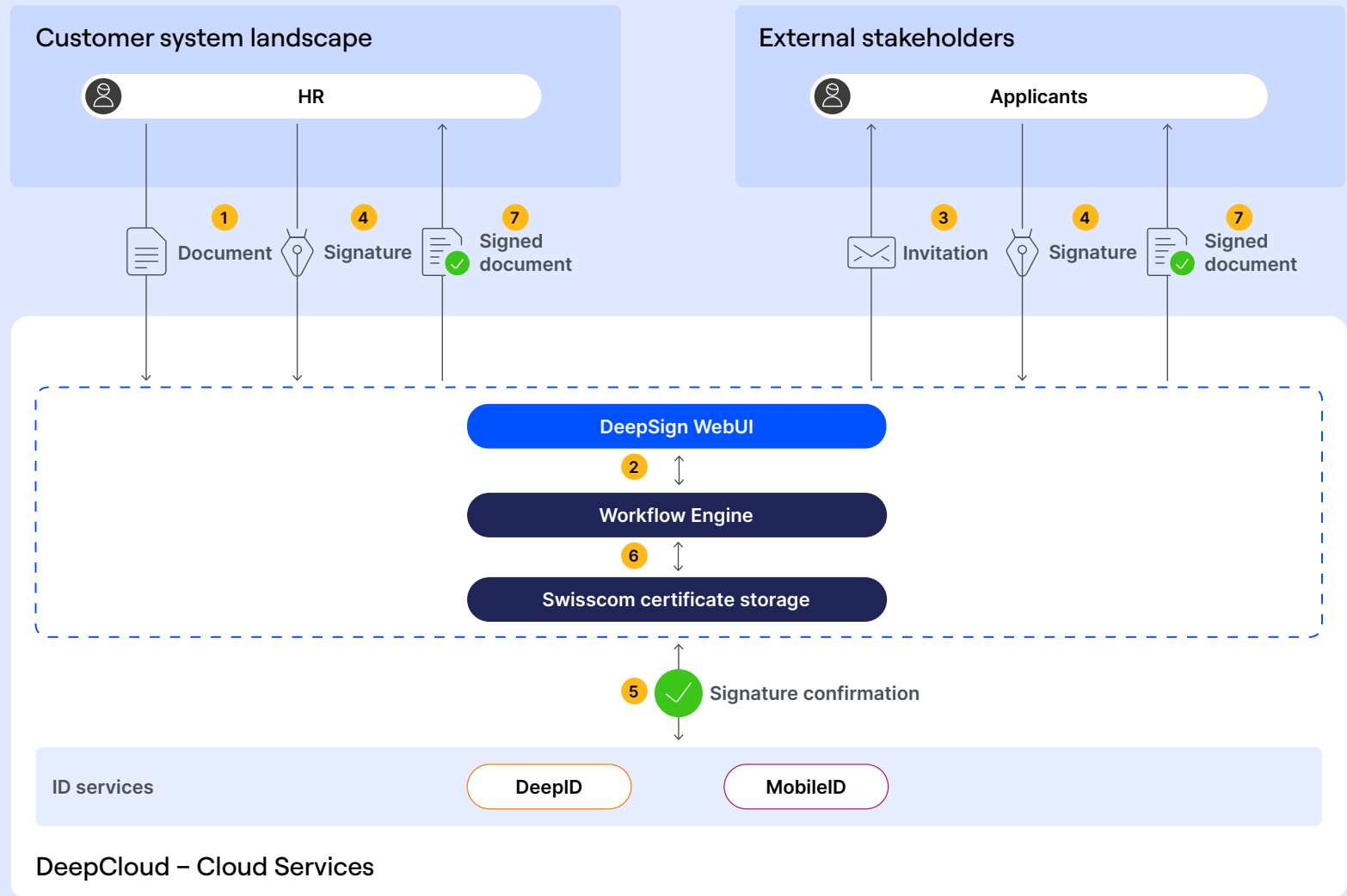
DeepCloud - Cloud Services

Use Case 3

# Signature workflow via DeepSign WebUI



HR sends an employment contract to an external applicant via the front-end application.



- 1 The initiator uploads the document to DeepSign.
- 2 The signature process can be configured in the workflow engine and started.
- 3 DeepSign sends invitations to the persons involved.
- 4 The persons involved can view and sign the document via the DeepSign front-end application.
- 5 DeepSign takes care of confirming the signature via DeepID or Mobile ID.
- 6 After successful confirmation, DeepSign creates the signature via Swisscom.
- 7 Once the document has been fully signed, all parties involved are notified and can access the download the document.

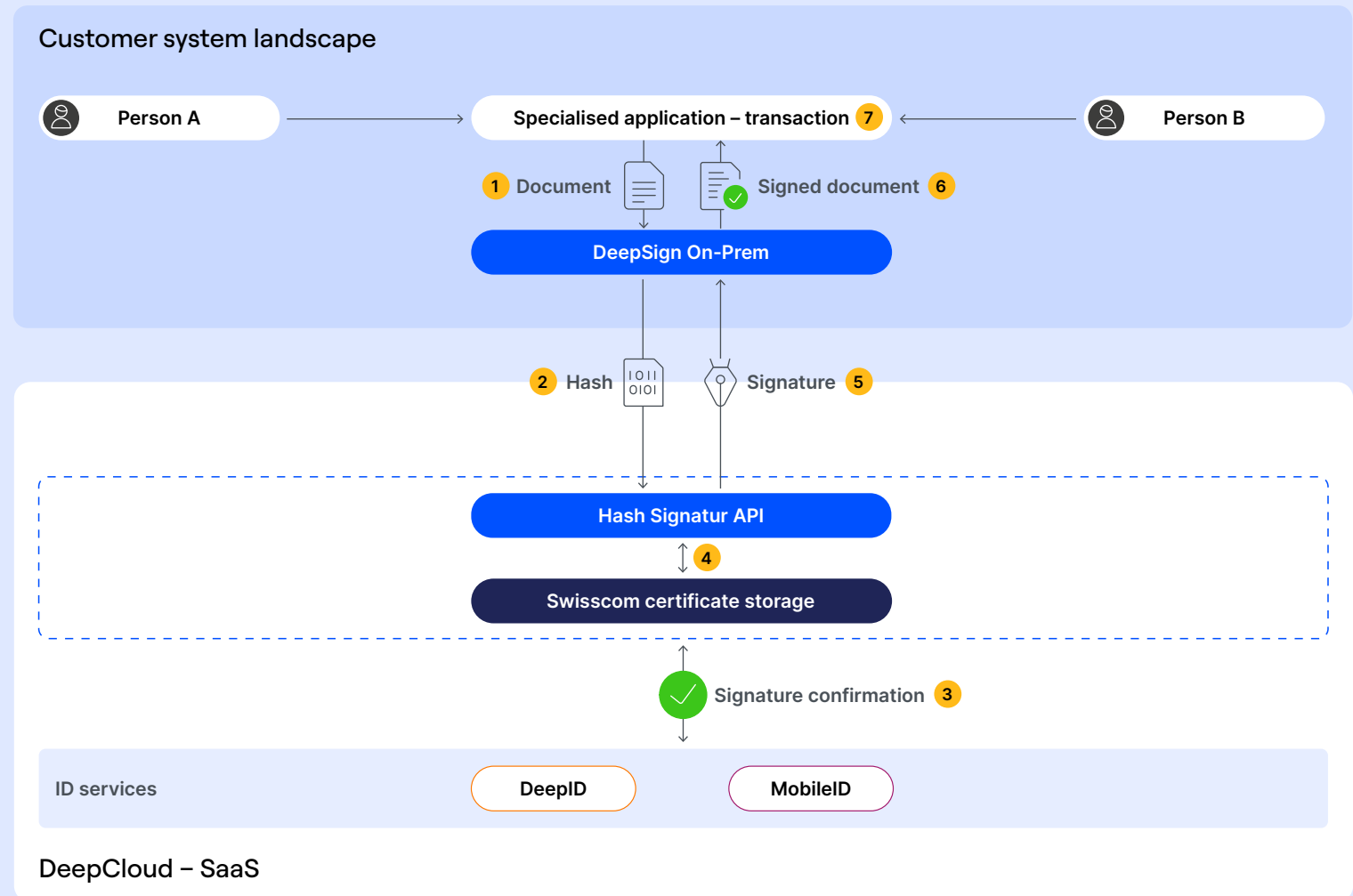
Use Case 4

# Internal signature workflow via a specialist application



A transaction must be signed internally by different people.

- 1 Person A signs the transaction from the specialist application. To do this, the specialist application sends the document to be signed to the DeepSign On-Prem Solution.
- 2 The On-Prem Solution calculates the hash and sends the document to DeepSign via Hash Sign API. The document remains on your infrastructure.
- 3 DeepSign takes care of confirming the signature via DeepID or Mobile ID.
- 4 After successful confirmation, DeepSign creates the signature via Swisscom.
- 5 The on-premise solution retrieves the signature from DeepSign and integrates it into the document.
- 6 The specialist application retrieves the signed document from the on-premise solution.
- 7 The transaction or task is then transferred to person B, who can view and also sign the document (1-6).





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**deep***sign*

DeepSign is the secure, simple and legally valid digital signature from DeepCloud, the innovative Swiss company providing scalable AI-powered cloud services.

[www.deepsign.swiss](http://www.deepsign.swiss)



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