

Adyen DPA Adapter - Administration Guide v.1.5

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1. Version History

The table below summarizes the major updates to this document.

Version	Date	Changes
1.0	07 May 2025	Initial version
1.1	24 July 2025	Added supported flows section
1.4	10 June 2026	<ul style="list-style-type: none">Added new supported payment methodsRemoved “Live prefix” action (now is

		being done automatically) • Removed “Allowed Origins” Section (now is being done automatically) • Added Google Pay section • Added SEPA section • Added ACH section • Rebuild Merchant Configuration section
1.5	31 August 2026	Replaced old images with screenshots from new UI of the Adyen Customer Area
1.5.1	12 October 2026	Added Appley Pay sections

2. Introduction

The **SAP Digital Payments Add-On** is an integrated solution that enables the management of digital payments within the SAP ecosystem. This component allows companies to process electronic payments securely and efficiently by integrating with SAP ERP and SAP S/4HANA modules.

The **Adyen Adapter for the SAP Digital Payments Add-On (DPA)** enables seamless integration with the Adyen payment platform, allowing merchants to securely process and manage transactions via standardized SAP DPA interfaces. This ensures both compatibility and scalability within the SAP landscape.

3. Prerequisites

It is advisable to acquire sufficient knowledge in the following areas, as this will help streamline the overall understanding of the integration. Before starting the onboarding process, please ensure the following prerequisites are fulfilled:

a) Functional and Technical Knowledge

- **Familiarity with Adyen Payment Platform (**

A solid understanding of Adyen's payment methods and API ecosystem is required. This

includes:

- Usage of endpoints such as `/paymentMethods` , `/payments` , and `/payments/details` .
- Authentication via API keys and client keys.
- Webhook setup for handling asynchronous payment updates.
- Drop-in and Components integrations.

Note: This becomes particularly valuable when establishing a direct connection between your *Consumer Application* and *Adyen*, as it helps ensure a smoother and reliable integration. However, this is required only if you are using this flow; otherwise, it is not necessary. Details are described here [📖 Direct Connection between Adyen and Consumer Application](#)

• **Understanding of SAP Digital Payments Add-On**

Familiarity with the functionality, configuration, and documentation of SAP DPA is essential. This includes:

- Configuration of payment service providers.
- Mapping of payment methods.
- Integration with SAP Commerce Cloud. Refer to the [▶ SAP Help Portal | SAP Online Help](#) for details.

• **Optional: S/4HANA Knowledge**

Basic understanding of payment processes in **S/4HANA** and how they integrate with the **SAP Digital Payments Add-On**.

• **Optional: SAP Commerce Cloud Knowledge**

Basic knowledge of SAP Commerce Cloud, especially in the areas of checkout flow, order management, and extensions, will support effective integration and troubleshooting.

b) Environment Setup

Subscribe to SAP Digital Payments Add-On (DPA) Application

1. Log in to your SAP Business Technology Platform (BTP) subaccount.
2. Subscribe to the **SAP Digital Payments Add-On Application**.
3. For step-by-step guide, refer to the official SAP documentation: [▶ SAP Help Portal | SAP Online Help](#) .

Create API Credentials in Adyen Customer Area

1. Log in to your **Adyen Customer Area**.

Create API credential

Credential type

Web service user ☒
 Needed to authenticate API requests that you make to Adyen.

Report service user ☐
 Needed to authenticate requests to download reports.

Username

ws_544845@

Description

Enter description

Cancel **Create credential**

Fig 3 Adyen Customer Area - create credential (Web service user).

a) Web Service User

Used for payment transactions. After you successfully create credentials you should configure them. To do that go to API Credentials on the left panel, search the list for the credentials you wish to configure and click the name of the credentials. You should see the **Configure API credential** now.

IMPORTANT NOTE: PLEASE REMEMBER TO STORE YOUR CREDENTIALS SOMEWHERE BECAUSE YOU WILL NEED THEM IN ONBOARDING STEP.

- **API Key:** Required for secure server-side API communication. To generate it you need to scroll down to **server settings** and click **Generate API key** button.

General settings

Credential type

Username ws_563507@Company1234567890 ☒ Active

Description test

Server settings
Authenticate the API requests that you make to Adyen

Authentication

API key Basic auth

API key **Generate API key**

JWS public key **Add public key**

Allowed IP range (optional)
Only allow access from specific IP addresses

Cancel **Save changes**

Fig 4 Adyen Customer Area - configure credential (server settings)

- **Client Key:** Generated for web drop-in, components, integrations. You need to generate it by scrolling to the **client settings** area and clicking **Generate client key** button.

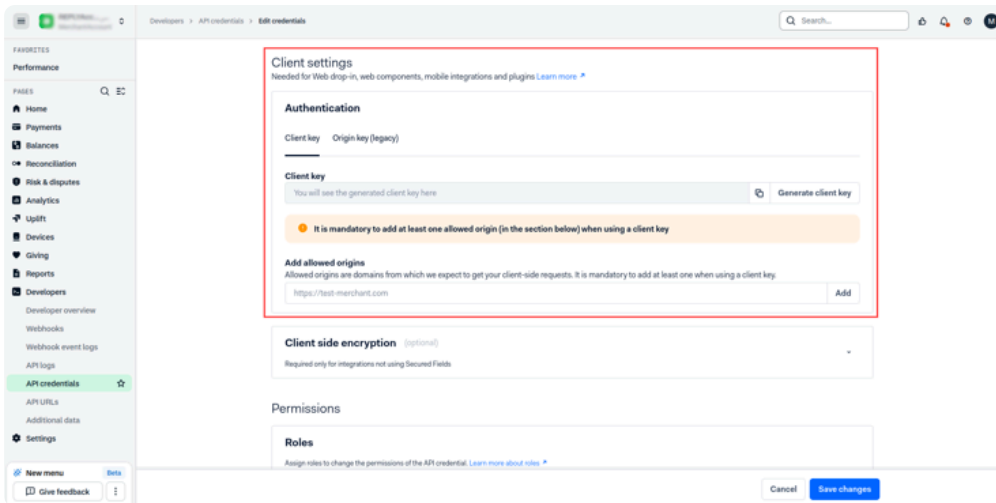


Fig 5 Adyen Customer Area - configure credential (client settings)

- **Capture Delay:** Set to number of days until capture or manual depending on business requirements. To set this properly go to Account settings and find **Capture delay** in **General** options tab. When you hover over it, the edit button should appear. **Best Practice** is to set this to manual (so you will have separate authorization and then charge).

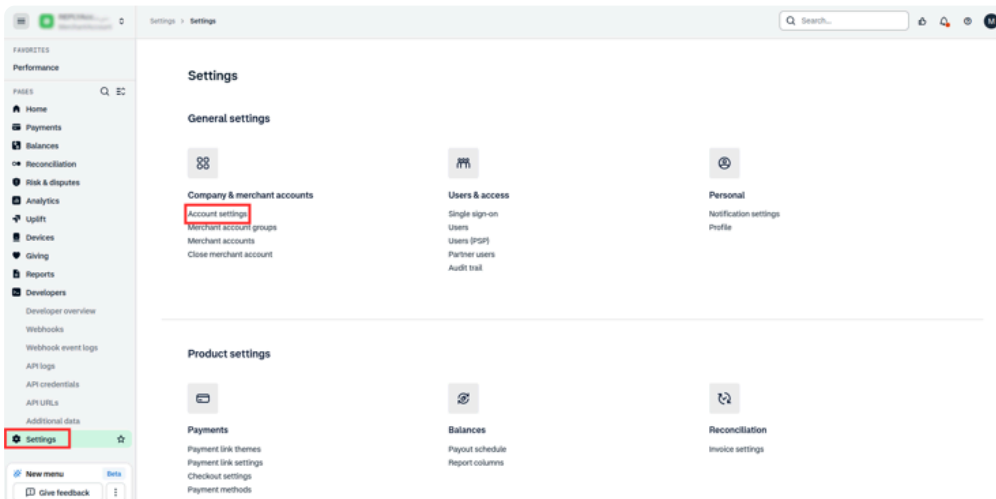


Fig 6 Adyen Customer Area - Account settings

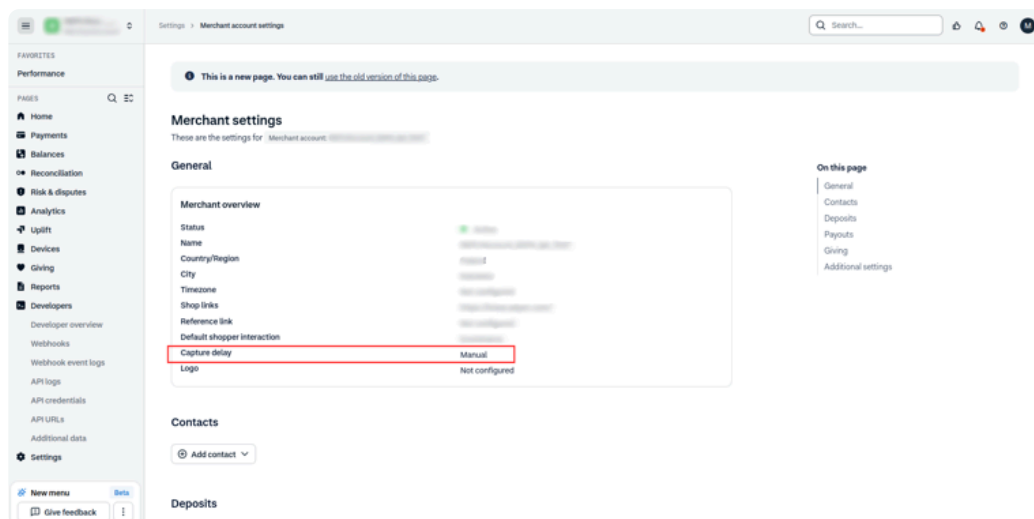
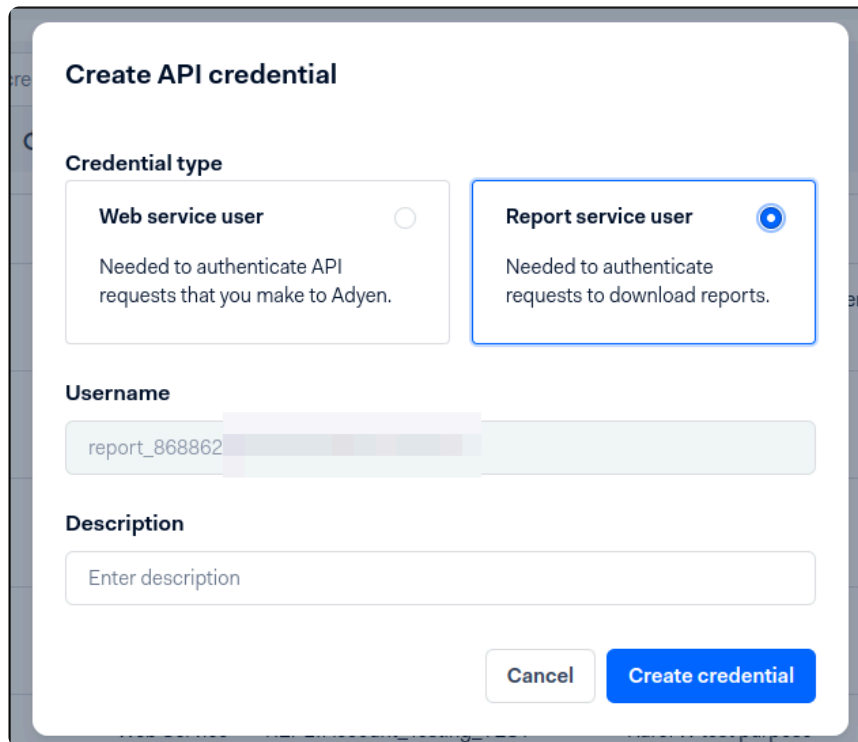


Fig 7 Adyen Customer Area - Capture Delay

b) Report Service User

Used for accessing Adyen's reporting functionalities. The process is almost identical to the creation of Web Service User.

IMPORTANT NOTE: PLEASE REMEMBER TO STORE YOUR CREDENTIALS SOMEWHERE BECAUSE YOU WILL NEED THEM IN ONBOARDING STEP.



Create API credential

Credential type

Web service user ☐
Needed to authenticate API requests that you make to Adyen.

Report service user ☒
Needed to authenticate requests to download reports.

Username
report_868862

Description
Enter description

Cancel Create credential

Fig 8 Adyen Customer Area - create credential (Report service user).

- **API Key:** Required to access reports. To generate it you need to scroll down to **Server settings** and click **Generate API key** button.

Setup Paypal on Adyen side

If you wish to have Paypal support in your consumer application you need to configure your **Merchant Account** properly. To do this contact with **Adyen Support** or follow the documentation: [How can I integrate with PayPal?](#). You will also need to configure your associated **Paypal account** properly (supported currencies etc.). Consider different Paypal **Settlement flows** that are available and select the appropriate one that will fit your scenario (SALE - immediate capture, AUTH - authorization and capture separate).

Setup Google Pay on Adyen side

If you wish to have Google Pay support in your consumer application, you need to configure your Merchant Account properly in Adyen.

To enable Google Pay for live transactions:

- Request and enable the Google Pay payment method for your Merchant Account in Adyen Customer Area.

- Create or configure your Google Pay Business profile and obtain your Google Merchant ID (MID).
- Configure the Google Merchant ID in Adyen for your Merchant Account.

For more information, refer to the Adyen documentation:

 [Google Pay](#) | [Adyen Docs](#)

 Please note that Google Pay may work in test mode without additional merchant onboarding, however a properly configured Google Merchant ID is required before going live.

Setup Apple Pay on Adyen side

If you wish to have Apple Pay support in your consumer application, you need to configure your Merchant Account properly in Adyen.

To enable Apple Pay:

1. Request and enable the **Apple Pay** payment method for your Merchant Account in Adyen Customer Area.
2. Ensure that Apple Pay is enabled for the relevant Merchant Account and that the required payment processing configuration is completed.
3. For web-based integrations, register the domain used to display the Apple Pay payment interface in Adyen Customer Area.
4. Complete the domain verification process according to Adyen's instructions.
5. Ensure that your consumer application supports Apple Pay and that the payment method is available on compatible Apple devices and browsers.

Important notes:

- For web-based integrations, the domain used to initiate Apple Pay payments must be registered and verified.
- If you use separate test and production domains, ensure that the relevant domains are configured appropriately.
- Apple Pay availability depends on the customer's device, browser, and supported payment cards.

For more information, refer to the Adyen documentation:

 [Apple Pay](#) | [Adyen Docs](#)

Setup SEPA Direct Debit on Adyen side

If you wish to have SEPA Direct Debit support in your consumer application, you need to enable the SEPA Direct Debit payment method for your Merchant Account in Adyen.

For more information, refer to the Adyen documentation:

[SEPA Direct Debit | Adyen Docs](#)

Setup ACH Direct Debit on Adyen side

If you wish to have ACH Direct Debit support in your consumer application, you need to enable the ACH Direct Debit payment method for your Merchant Account in Adyen.

i Please note that ACH Direct Debit is only available for merchants with a registered business entity in the United States.

Your integration must support ACH-specific bank account details and authorization requirements.

For more information, refer to the Adyen documentation:

[ACH Direct Debit | Adyen Docs](#)

Setup multi capture on Adyen side

Multi capture feature needs to be properly configured on your **Adyen account** in cooperation with Adyen Support.

Setup settlement reports

For **reconciliation purposes** you will need to configure settlement reports properly. Adyen DPA Adapter relays on information from those reports and exposes them for the SAP Digital Payment Add-on via DPA Adapter for reconciliation purposes in consumer application e.g S/4. To enable them please follow the instructions available in *Adyen* documentation:

- [Settlement details report | Adyen Docs](#) - if you plan to reconcile Credit Cards transactions.
- [External settlement detail report | Adyen Docs](#) - if you plan to reconcile also the external payment transactions like Paypal

i AMEX transactions are settled externally; therefore, it is necessary to configure the 'External Settlement Detail Report' for reconciliation purposes.

Please setup reports as automatically generated by selecting proper trigger with:

- File type set to **CSV**
- Defined desired frequency (daily, weekly)
- Account set to **Current Account**

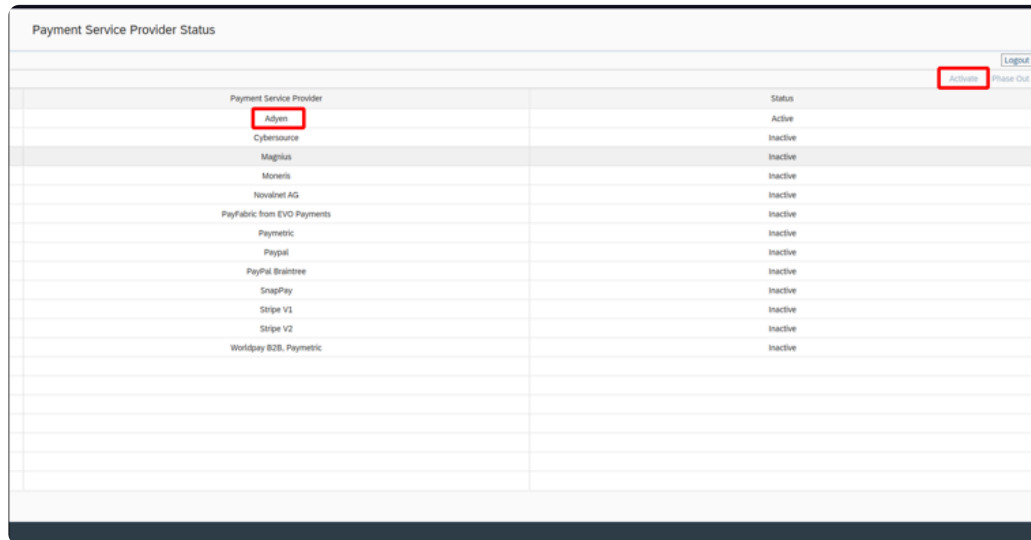
4. Onboarding Flow

Note: The following examples refer to the **EU10** region. Replace `<subdomain>` with the **Subdomain Name** that you configured in **SAP BTP** during the setup process.

Follow these detailed steps to onboard successfully:

1. Activate PSP:

- Open the provided URL `https://<subdomain>.digitalpayments-sap.cfapps.eu10.hana.ondemand.com/pspStatus/index.html`.
- Identify the correct PSP from the list, click it and change its status to **Active** by clicking **activate**.



Payment Service Provider	Status
Adyen	Active
Cybersource	Inactive
Magnius	Inactive
Monetis	Inactive
Novasnet AG	Inactive
PayFabric from EVO Payments	Inactive
Paymetric	Inactive
Paypal	Inactive
PayPal Braintree	Inactive
SnapPay	Inactive
Stripe V1	Inactive
Stripe V2	Inactive
Worldpay B2B, Paymetric	Inactive

Fig 10 Sap Digital Payments Add-On - PSP status.

2. Provide Tenant ID and Region:

- Log in to your SAP BTP Cockpit and navigate to the relevant sub-account.
- Your Tenant ID can be found on the sub-account overview page.

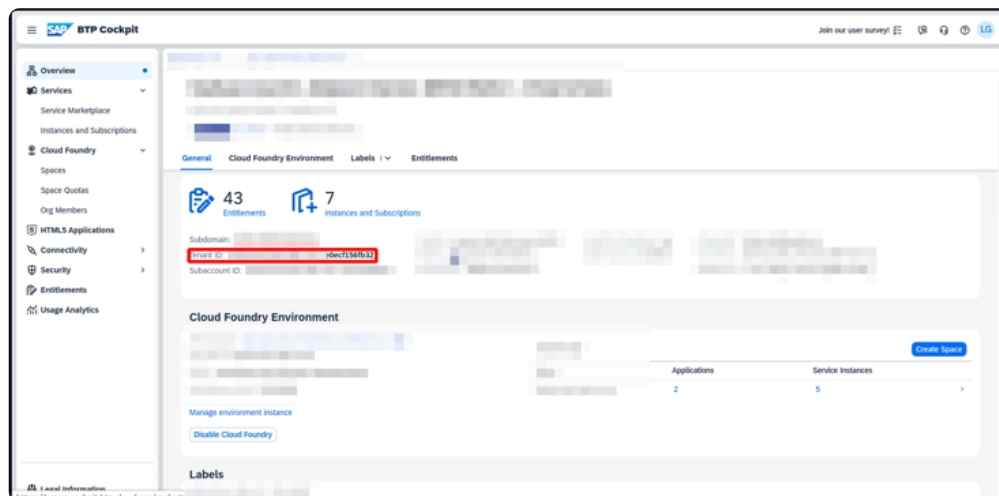
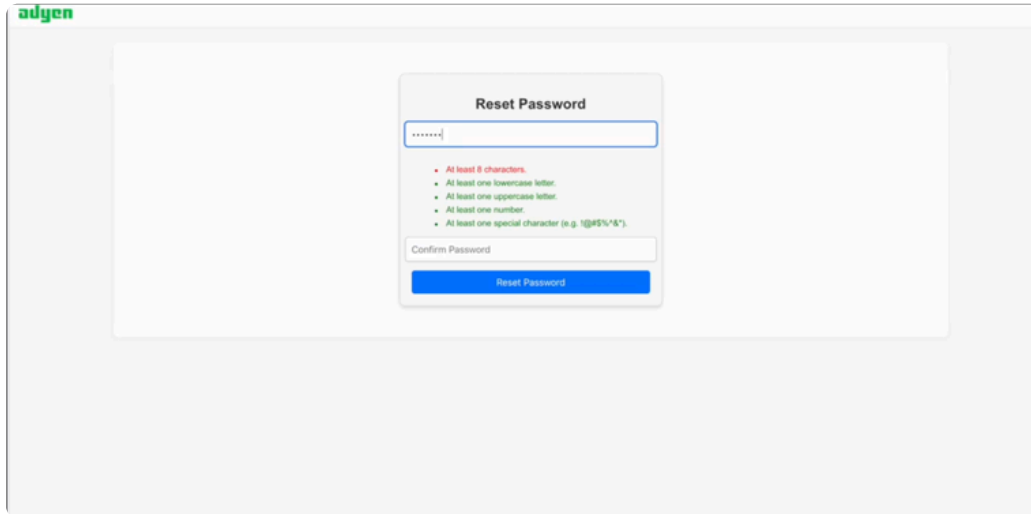


Fig 11 SAP Business Technology Platform - overview.

- Send an email to adyen.dpa.support@reply.com with:
 - **Tenant ID**
 - **Super Admin email address**
 - **Desired onboarding region**

3. Receive Merchant Onboarding Link:

- Once we verify your information, our support team will send a reset password link to your Merchant Onboarding Application. The link should look like this: <https://adyen-dpa-onboarding-prod.cfapps.eu10-004.hana.ondemand.com/reset-password/6927c0ca-aaaa-bbbb-cccc-87d722ebd7ce>. Open the link and **create a new password** to activate the account. Note that the link is time-limited, and if it expires, you need to request a new one.

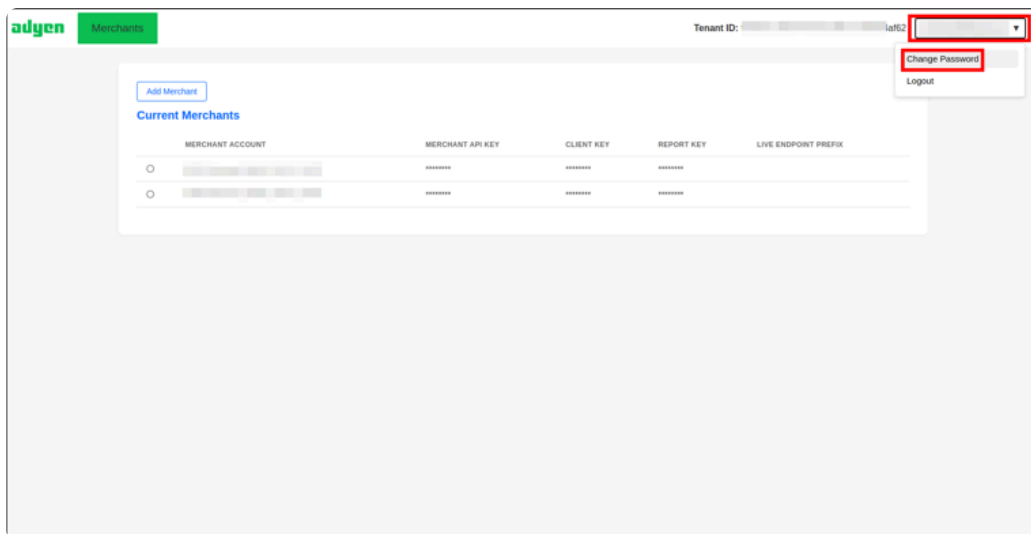


The screenshot shows the 'Reset Password' form in the Adyen Merchant Onboarding Application. The form is centered on a light gray background. It has a title 'Reset Password' at the top. Below the title is a password input field with a masked password '*****'. To the right of the input field are four bullet points listing password requirements: 'At least 8 characters', 'At least one lowercase letter', 'At least one uppercase letter', 'At least one number', and 'At least one special character (e.g. !@#%&*)'. Below these requirements is a 'Confirm Password' input field. At the bottom of the form is a blue 'Reset Password' button.

Fig 12 Merchant Onboarding Application - Reset Password.

4. Change/Reset Password:

- To change your password**, click your name in the top-right corner, select **Change Password** from the dropdown, and follow the instructions.
- If you have forgotten your password, please contact our Support team from the registered **Super Admin** email address and request a password-reset link.



The screenshot shows the Adyen Merchant Onboarding Application interface. In the top-right corner, there is a 'Tenant ID' field with a dropdown menu. The dropdown menu is open, showing two options: 'Change Password' and 'Logout'. The 'Change Password' option is highlighted with a red box. Below the dropdown menu is a table titled 'Current Merchants' with columns for 'MERCHANT ACCOUNT', 'MERCHANT API KEY', 'CLIENT KEY', 'REPORT KEY', and 'LIVE ENDPOINT PREFIX'. The table contains two rows of data, each with a radio button in the first column.

Fig 13 Merchant Onboarding Application - Change Password.

5. Navigate To the Merchant Creation Window:

- Log in and click the **Add Merchant** button in the toolbar.

6. Enter Adyen Credentials:

- In the Add Merchant Account window, enter your previously created credentials:
 - **Merchant Account** - name of the merchant you wish to onboard.
 - **Merchant API Key** - API Key created for the Web Service User.
 - **Client Key** - Client Key created for the Web Service User.
 - **Report API Key** - API Key created for the Report Service User.
 - **Live Endpoint Prefix** - live endpoint prefix from Adyen's live environment (*empty for the Adyen test accounts*)

The screenshot shows the Adyen Merchant Onboarding Application interface. A modal window titled "Add Merchant Account" is open, displaying a form with the following fields: "Merchant Account (required)", "Merchant API Key (required)", "Client Key", "Report API Key", and "Live endpoint prefix". Each field has a corresponding input box. At the bottom of the modal, there is a blue button labeled "Add Merchant Account", which is highlighted with a red rectangular box. The background of the application shows a sidebar with "Add Merchant" and "Current Merchants" sections, and a main area with a table for merchant details.

Fig 14 Merchant Onboarding Application - Add Merchant Account.

7. Create Merchant:

- Within the Merchant Onboarding Application, complete the merchant creation process by clicking **Add Merchant Account**.

8. Configure Merchant Settings:

The screenshot shows the Adyen Merchant Onboarding Application interface. The "Current Merchants" section is active, displaying a table with columns: "MERCHANT ACCOUNT", "MERCHANT API KEY", "CLIENT KEY", "REPORT KEY", and "LIVE ENDPOINT PREFIX". The table contains two rows of merchant data. Above the table, there is a toolbar with buttons: "Add Merchant", "Edit", "Delete", and "Configuration". The "Configuration" button is highlighted with a red rectangular box. The background of the application shows the same sidebar and main area as in the previous figure.

Fig 15 Merchant Onboarding Application - Overview.

After merchant creation, configure merchant-specific settings by selecting the merchant from the list and clicking the **Configuration** button in the toolbar.

 The following configuration options are available:

PayPal Configuration

Option	Description
Multi capture enabled	Enables support for multiple partial captures for PayPal transactions. This setting applies only if the global Multi Capture Configuration is enabled. If global multi-capture is disabled, PayPal multi-capture settings are ignored.
PayPal settlement flow	Defines how PayPal transactions are processed: <ul style="list-style-type: none">• AUTH – Authorization and capture are handled separately.• SALE – Payment is captured immediately after authorization.

Credit Card Configuration

Option	Description
Multi capture enabled	Enables support for multiple partial captures for credit card transactions. This setting applies only if the global Multi Capture Configuration is enabled. If global multi-capture is disabled, credit card multi-capture settings are ignored.
Supported cards	Defines which card brands are supported for the merchant (for example: Visa, Mastercard).
Is merchant US acquired?	Should be enabled only for merchants acquired in the United States. When enabled, additional Visa Level 2 / Level 3 (L2/L3)

validation rules are applied to transaction data.

Multi Capture Configuration

Option	Description
Multi capture enabled	Global setting controlling whether multi-capture is enabled for the merchant. If disabled, payment-method-specific multi-capture settings (for example, PayPal or Credit Cards) are ignored.

Data Retention Configuration

Option	Description
Retention period	Defines how long merchant-related data is retained in the Adapter database before being automatically removed. The retention period can be configured in weeks.

Currency Configuration

Option	Description
Allowed currencies	Defines the list of currencies supported by the merchant.
Default currency	Specifies the default currency used for merchant operations.

Payment Advice

Option	Description
Should export Payment Advices only with Disbursement Reference?	Controls whether Payment Advice records are exported immediately or

only after a disbursement reference becomes available.

- **Yes** – The Adapter waits until a disbursement reference is assigned before exporting the Payment Advice to DPA.
- **No** – Payment Advice records are exported immediately after they become available in the Adapter, without waiting for a disbursement reference.

This option is recommended only for merchants that do not require disbursement reference information for reconciliation purposes.

Fig 16 Merchant Onboarding Application - Merchant Configuration.

9. Onboarding Application URLs:

This section lists the fixed URLs for the Onboarding Application so merchants can quickly find the correct environment and region.

Region	URL
EU10 Prod	https://dpa-eu.adyen.digital
EU10 Demo	https://dpademo-eu.adyen.digital

US10 Prod	https://dpa-us.adyen.digital
US10 Demo	https://dpademo-us.adyen.digital

5. Adapter Configuration after Onboarding

To finalize your integration, complete these additional configuration steps:

1. Add Routing:

- Visit <https://<subdomain>.digitalpayments-sap.cfapps.eu10.hana.ondemand.com/pspDetermination/index.html>.

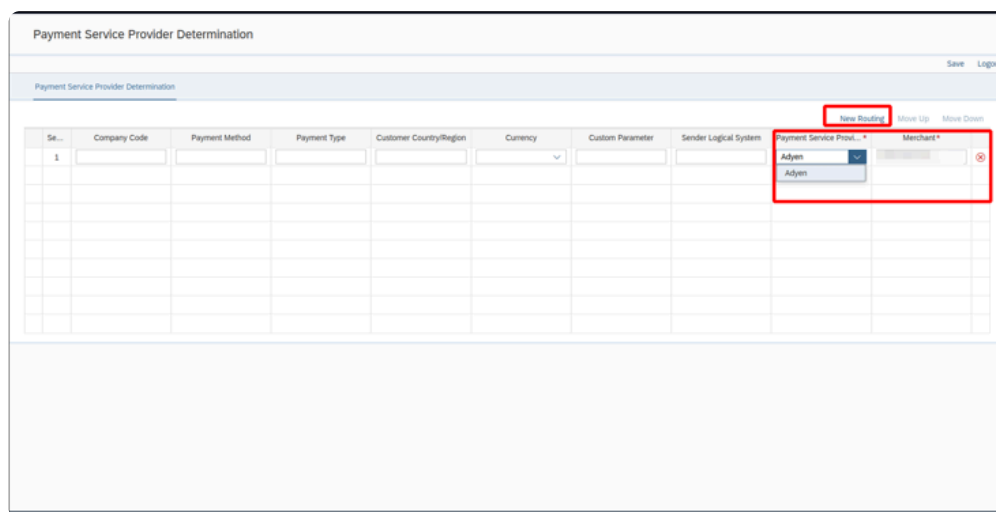


Fig 17 SAP Digital Payments Add-On - PSP determination.

- Set up routing rules to determine how payment requests should be routed to your configured PSP by clicking **New Routing** button and then setting the proper **PSP** and **Merchant** in selection list under.

2. Configure Payment Page:

- Navigate to <https://<subdomain>.digitalpayments-sap.cfapps.eu10.hana.ondemand.com/paymentPageConfiguration/index.html>.

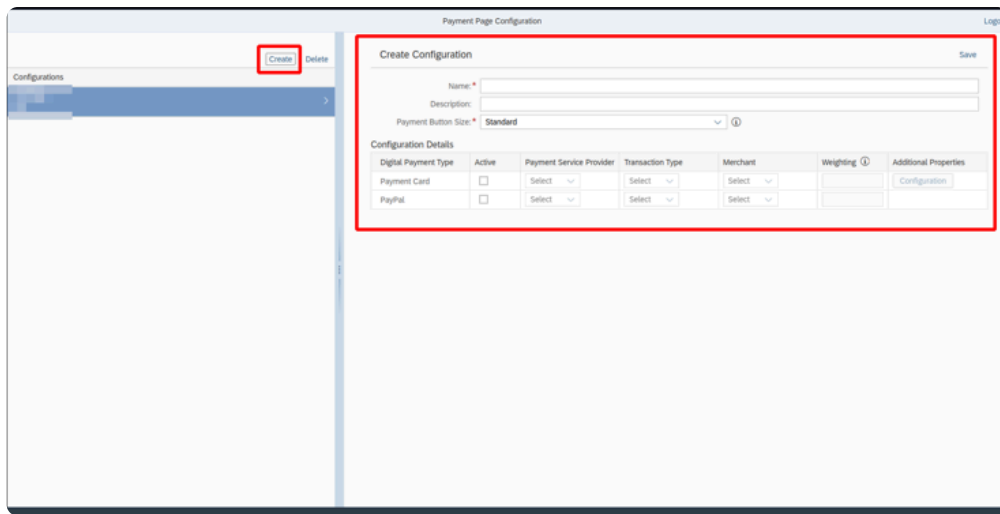


Fig 18 SAP Digital Payments Add-On - Payment Page Configuration.

- Set up your payment page by clicking **Create** button on the left and then provide the information such as name for the configuration and payment methods details for the listed payment methods.

3. Configure PayByLink:

- Go to `https://<subdomain>.digitalpayments-sap.cfapps.eu10.hana.ondemand.com/paymentByLinkConfiguration/index.html`.

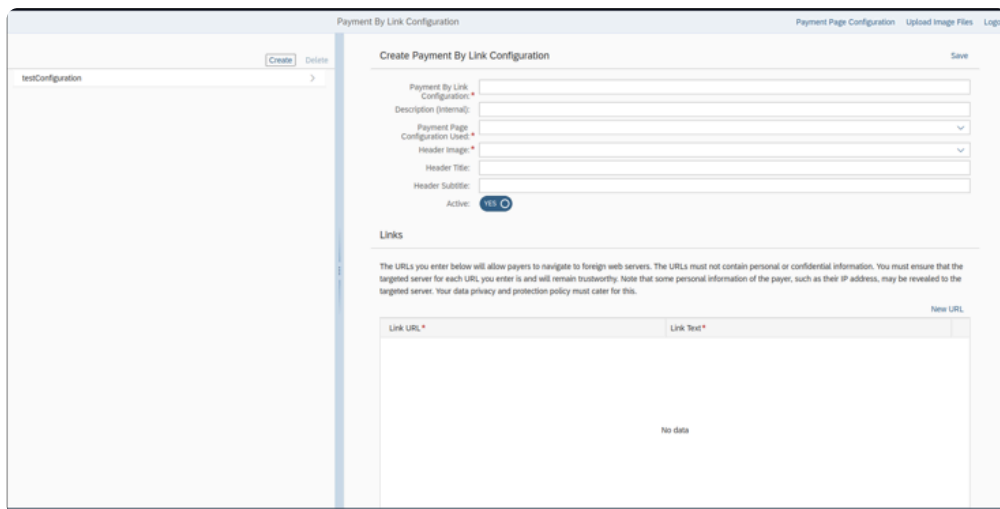


Fig 19 SAP Digital Payments Add-On - payment by link configuration.

- Configure PayByLink settings, allowing you to generate secure payment links to send directly to customers by clicking the **Create** button and providing **name**, **image** and **Payment Page** (previously created).

6. Supported Flows

Direct Connection Between Adyen and Consumer Application

Your sales platform, such as an e-commerce system, may already be directly integrated with Adyen. In many cases, it may not be feasible—or even preferable—to alter these existing connections. However, you can still take full advantage of the SAP Digital Payments Add-On without modifying your current setup. Even in direct connection scenarios, you can process both one-step (direct capture) and two-step (authorization followed by capture) payments. An overview of the process is depicted in the diagram below.

Note: Please note that Adyen supports this integration through its official plugin, available here: [GitHub - Adyen/adyen-sapcommercecloud: Adyen Payment plugin for Hybris](#). Adyen’s pre-built integration for SAP Commerce Cloud simplifies the integration process, enabling businesses to quickly activate a wide range of payment methods and go live with minimal effort. This approach also significantly reduces the costs associated with payment integration for Adyen customers.

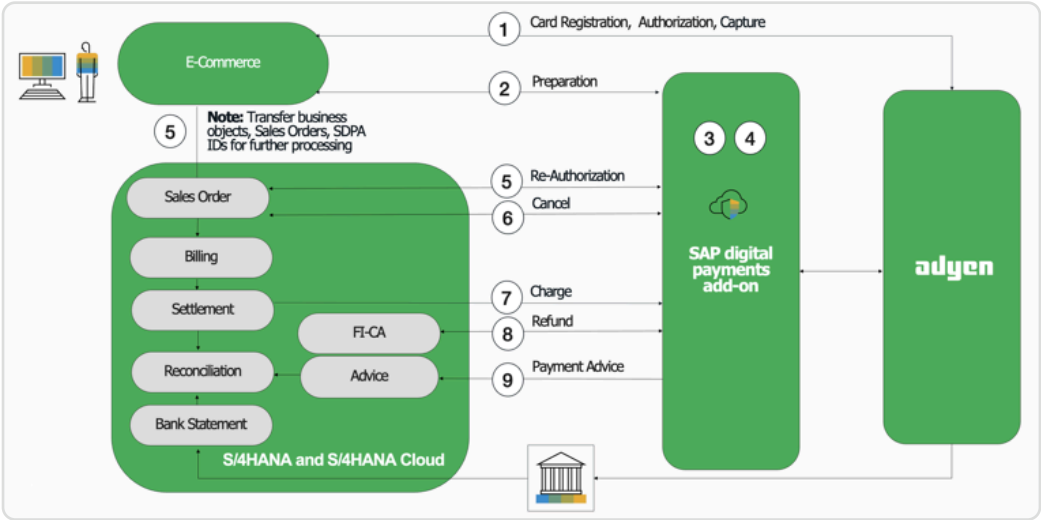


Fig 20 Supported adapter actions.

The Adyen DPA Adapter fully supports the following processes in this type of integration. Please refer to the detailed table below for a breakdown of supported processes.

The preparation flow

It is an essential functionality that enables externally initiated transactions (from a DPA perspective), such as *Payment Card Tokens*, *Authorizations*, or *Direct Captures*, to be registered within the Digital Payment Add-On.

Once the 'preparation' steps (*shown in the table 1*) between the consumer application, such as an online store, and the SAP Digital Payments Add-On are completed, the remainder of the process runs as normal in the Finance system and any intermediate systems with all possible operations (*shown in the table 2*)

Table 1. The preparation steps

Step	Notes

Payment Card Preparation	Supports for <i>Payment Cards</i>
Payment Authorization Preparation	Supports for <i>Payment Cards</i> as well as <i>External Payment Methods</i> e.g. <i>PayPal</i>
Payment Direct Capture Preparation	Supports for <i>Payment Cards</i> as well as <i>External Payment Methods</i> e.g. <i>PayPal</i>

Table 2. *Follow up operations*

Operation	What is supported ?
Authorization	Supports for <i>Payment Cards</i>
Partial (multiple) captures	Supports for <i>Payment Cards</i> as well as <i>External Payment Methods</i> e.g. <i>PayPal</i>
Re-Authorization with amount change	Supports for <i>Payment Cards</i>
Authorization Cancel	Supports for <i>Payment Cards</i> as well as <i>External Payment Methods</i> e.g. <i>PayPal</i>
Payment Refund	Supports for <i>Payment Cards</i> as well as <i>External Payment Methods</i> e.g. <i>PayPal</i>
Payment Advice	Supports for <i>Payment Cards</i> as well as <i>External Payment Methods</i> e.g. <i>PayPal</i>

Payment Card Preparation

This process is about to generate the *DPA Payment Card Token* (for further use - highlighted as 2 in the diagram above) that has been already registered externally. In order to proceed with the *DPA Payment Card Token* generation you need to use the following endpoint from the *DPA Core API*:

`{{coreUrl}}/core/v1/tokens/getforpaymentcard`

and specify the details in the request as follow:

`PaytCardByPaytServiceProvider` *Adyen Payment Card Token*
(`storedPaymentMethodId`)

`PaymentServiceProvider` *Adyen DPA Adapter* PSP code e.g. **ADYE**

`MerchantAccount` *Adyen Merchant Account* for which the *Adyen Payment Card Token* has been created externally

`PaymentCardContext:{`

`"shopperReference" : "your_shopper_reference"`

`}`

The last parameter is an additional *Payment Card* context that is required by *Adyen*.

Please make sure it fulfills the following requirements [Adyen API](#) | [shopperReference](#).

As a response you will get the *DPA Payment Card Token*
(`PaytCardByDigitalPaymentSrv`) which can be further used.

Here are the details for *DPA Core API* for *Consumer Applications*

<https://api.sap.com/api/DPCoreAPI/overview>

Payment Authorization Preparation

This process is about to generate *DPA Authorization Token* (for further use - highlighted as 2 in the diagram above) for an existing *Adyen* authorization. In order to proceed with the *DPA Authorization Token* generation you need to use the following endpoint from the *DPA Core API*:

{{coreUrl}}/core/v1/tokens/getforauthorization

and specify the details in the request as follow:

`AuthorizationByPaytSrvPrvdr` *Adyen' unique identifier (pspReference)* represents an authorization

`AuthorizationCurrency` Currency code (using *ISO 4217*) of the authorized amount

`AuthorizedAmountInAuthznCrcy` Amount authorized with the authorization at the *Adyen*

`DigitalPaymentAuthorizationType` Identifier indicating the type of authorization performed e.g.

DP2P for *PayPal With Authorization*, *DPC2* for *Payment Card With Authorization* etc.

The full list of possible authorization types can be found [SAP Help Portal](#) | [Code List](#) | [DigitalPaymentAuthorizationType](#)

`MerchantAccount` *Adyen Merchant Account* for which the authorization has been created externally

PaymentServiceProvider *Adyen DPA Adapter* PSP code e.g. **ADYE**

As a response you will get the *DPA Authorization Token*

(**AuthorizationByDigitalPaytSrvc**) which can be used for further operation i.e. *Charge, Cancel, Re-Authorization*.

Payment Direct Capture Preparation

This process is about to generate *DPA Direct Charge Token* (for further use - highlighted as 2 in the diagram above) for an existing Adyen direct capture. In order to proceed with the *DPA Direct Charge Token* generation you need to use the following endpoint from the *DPA Core API*:

{{coreUrl}}/core/v1/tokens/getfordirectcapture

and specify the details in the request as follows:

AmountInPaymentCurrency Amount of the direct capture

DigitalPaymentDirectCaptureType Identifier indicating the type of direct capture performed e.g.

DP1P for *PayPal Direct Capture*, *DPC1* for *Payment Card Direct Capture* etc. The full list of possible direct capture types can be found [SAP Help Portal | Code List | DigitalPaymentDirectCaptureType](#)

MerchantAccount *Adyen Merchant Account* for which the direct capture has been created externally

PaymentByPaymentServicePrvdr Unique identifier (*pspReference*) provided by Adyen to represent a direct capture

PaymentCurrency Currency code (using *ISO 4217*) of the direct capture

PaymentServiceProvider *Adyen DPA Adapter* PSP code e.g. **ADYE**

As a response you will get the *DPA Direct Charge Token*

(**PaymentByDigitalPaymentService**) which can be used for further operation i.e. *Refund*

Payment By Link

The **Payment by link** feature offered by the SAP Digital Payments Add-On enables businesses to provide their customers with a flexible and user-friendly method for settling invoices online. This functionality allows the creation of a custom-branded checkout page, where customers can conveniently make payments using a variety of digital payment methods - such as credit cards, digital wallets, or bank transfers.

To facilitate this process, the SAP Digital Payments Add-On automatically generates unique payment URLs for each transaction. These URLs can be embedded into the invoice documents, often represented in the form of QR codes or clickable links. When a customer

scans the QR code or clicks the link, they are redirected to the secure checkout page corresponding to their specific invoice, where they can complete the payment seamlessly. An overview of the process is depicted in the diagram below.

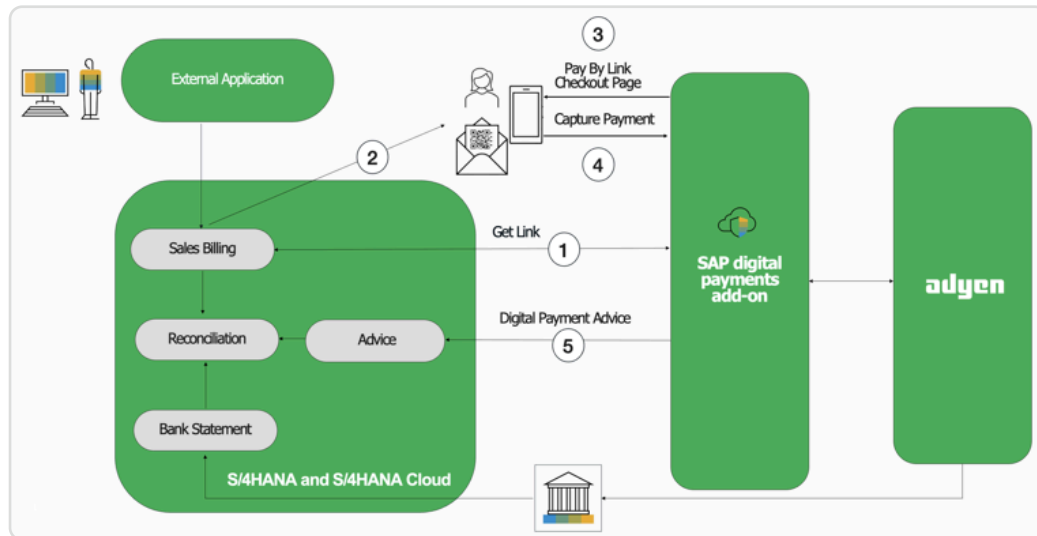


Fig 21 Payment by link process.

As shown above, the process consists of the following steps:

1. During invoicing a specific URL/QR Code is requested and created from SAP Digital Payments Add-On
2. This QR Code is printed on the invoice (paper/email) and sent to the customer
3. The customer scans the Code and the Payment Page provided by Digital Payments Add-On is opened
4. The customer can use one of the offered digital payment types to pay the invoice
5. The payment will be executed and transferred via the digital advice to the financial system

The image below represent custom-branded checkout page:

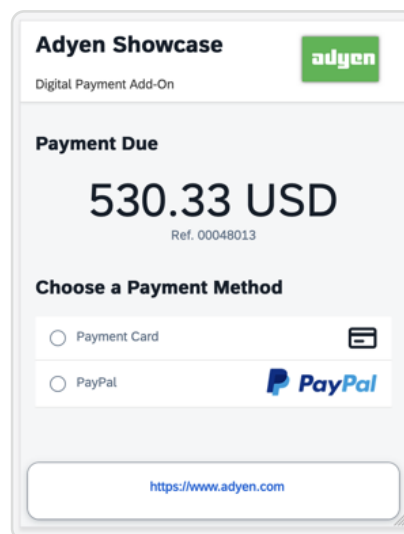


Fig 22 DPA custom-branded checkout page

Detailed instructions on how to set up the Payment by Link feature in the Digital Payments Add-On are available here [SAP Digital Payment Add-On Help | Payment By Link](#)

Supported Payment Methods

The following payment methods are supported in the Payment By Link scenario:

Payment Method	Direct Capture	Separate Authorization and Capture
Payment Card	✓	—
Paypal	✓	—
SEPA	✓	—
ACH	✓	—
Google Pay	✓	—
Apple Pay	✓	—

Payment Advice

The consumer application periodically runs a report to retrieve payment details for processed digital transactions. This request is directed to the SAP Digital Payment Add-On, which generates payment advice information using data provided by Adyen. The resulting advice is then returned to the consumer application. Since these advices are used for accounting and payment processing, they must contain details such as transaction fees and any discrepancies in amounts, especially when multiple currencies are involved. An overview of the process is depicted in the diagram below.

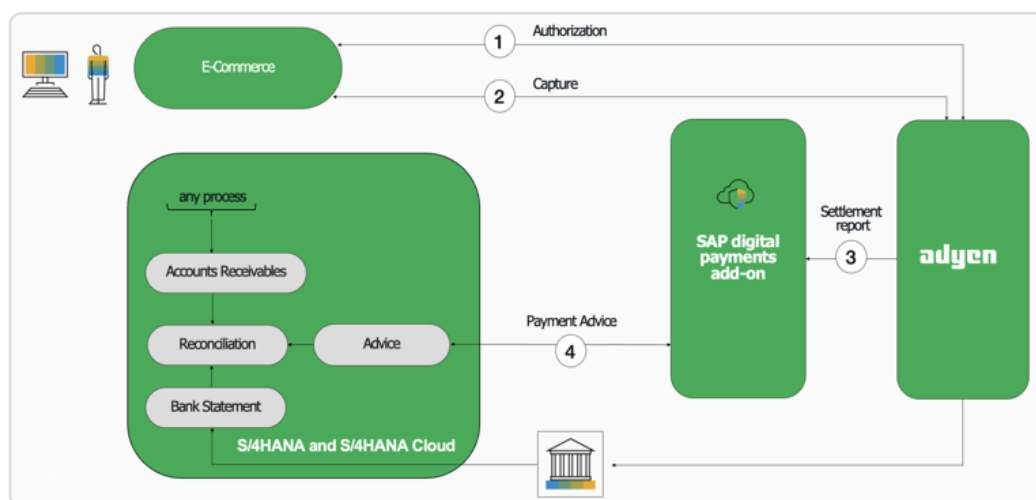


Fig 23 Payment advice generation process.

As shown above, the process consists of the following steps:

1. Digital transactions are initiated in Adyen, for example, from the E-Commerce layer
2. Adyen captures the initiated digital transaction
3. Once processed, transaction data is provided by Adyen and exposed to the SAP Digital Payment Add-On
4. The Consumer Application can use data from the Digital Payment Advice to perform automatic reconciliation

Since the Payment Advice is generated periodically, you may want to define an appropriate schedule for it. To do so, please refer to the 'Setup Settlement Reports' section described earlier in 'Prerequisites' Chapter.

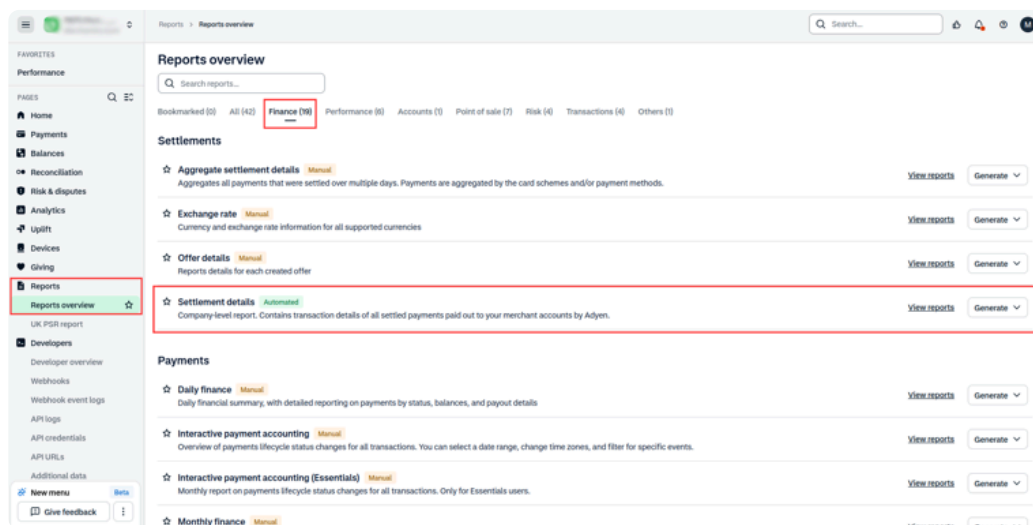


Fig 24 Adyen Customer Area - Reports Overview

Activation and configuration

User can activate this feature in Adyen Customer Area by navigating to **Reports → Settlement details**. As described previously in 'Setup Settlement Reports' section - the report can be configured to be generated automatically on a schedule (daily / weekly / monthly / *at batch close*) or - if needed - triggered manually by the user.

By default, the report is generated **per merchant account** and **once per settlement batch**. Next payout (payable) batches close according to the payout frequency defined for the merchant account. The report typically becomes available according to the frequency that user has set in configuration.

Settlement details reports include all transactions and balance movements affecting your payout: settled payments, refunds, chargebacks, fees, invoice deductions, deposit corrections, reserve adjustments, etc.

Once the settlement report is delivered by Adyen, the Adapter application picks it up and generates payment advices that are sent to SAP for reconciliation purposes.

If the merchant does not need to send reports with settlement details this option should remain disabled.