



SAP Customer Checkout 2.0 Feature Pack 16

SAP Customer Checkout – Integration Adyen-Terminal

Public

SAP CUSTOMER CHECKOUT



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SAP Customer Checkout training:

The following presentation is intended to show you how to connect an Adyen terminal to Customer Checkout using the corresponding plugin. At the end of this training, the following questions should be answered:

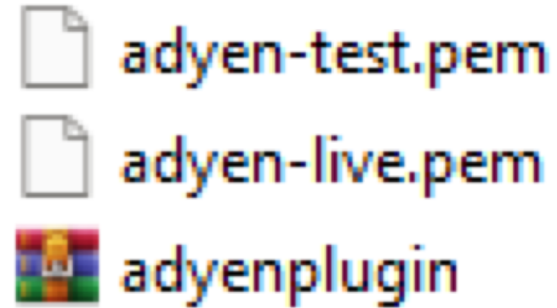
- How to download and install the Adyen plugin?
- What configuration do I need to complete on the terminal and on Adyen's website?
- What settings need to be changed in the Customer Checkout?

Where to buy an Adyen terminal:

- To be able to use the Adyen system, you need to buy a suitable Adyen terminal. However, it is not necessary to purchase a license.
- You can use the following link:
- <https://www.adyen.com/contact/sales>
- Or direct contact
 - Constantin von Bergmann-Korn constantin.vonbergmannkorn@adyen.com
 - Anton Kozyrin anton.kozyrin@adyen.com

Plugin:

- Download plugin with the following link:
- <https://github.com/Adyen/adyen-sap-customer-checkout>
- Download certificates (*.pem files)
- <https://docs.adyen.com/point-of-sale/design-your-integration/choose-your-architecture/local#install-root-cert>
- Place the files in the "AP" folder in the folder structure of the Customer Checkout.
C:\SapCustomerCheckout\cco\POSPlugins\
AP
- Restart the CCO.



Adyen backend login:

- Login at <https://www.adyen.com>



Log in

Live Test

Username

JoeAverage

Account

samplecompany

Remember account

Password

••••••••



Log in

Switch user

[Forgot your password?](#)

Configuration on adyen.com

FAVORITES (0)

★ No favorites yet

Click on the star on the right side of a menu item to add as a favorite.

PAGES

- Home
- Transactions
- Risk
- Finance
- Insights
- Reports
- Point of sale ^
- Android
- Orders and returns
- Release notes and libraries
- Stores** ☆
- Terminal settings
- Terminals
- Pay by Link
- Developers
- Settings

Stores 6

Q Search city, address, or store code

All statuses ▼ Select country ▼

[Download CSV](#) [Add stores](#)

Store info	Terminals	Status	Authorised last 7 days
	•0 •0 •0	● Active	EUR 0.00 0%
	•1 •2 •1	● Active	EUR 74.90 ▼ -85.7%
	•0 •0 •0	● Active	EUR 0.00 0%
	•0 •0 •0	● Active	EUR 0.00 0%
	•0 •0 •0	● Active	EUR 0.00 0%
	•2 •0 •1	● Active	EUR 0.00 ▼ -100%

Configuration on adyen.com


- Choose account
- Click Add Store

Add stores

Currently it is only possible to create stores in the country of the legal entity associated with the merchant account. If you would like to create stores outside of this country, please contact support.

Merchant account









Country

 Germany (DE) ▼

Payment methods ⁸


Edit payment methods

These payment methods will be applied to all stores created below.

 Discover	 Diners
 Girocard	 Visa
 Mastercard	 JCB
 Maestro	 UnionPay

Stores

Add store


Your added stores will appear here

Configuration on adyen.com

- A: Add store reference for example e.g. A25
- B: Add Store description
- C: Add information which is shown on the receipt
- Add address and phone number
- click „Add store“

Add store


General information

Store reference (optional)
Choose a unique name for your store so you can easily find it on our platforms. This is optional, as we will also automatically generate a store ID that you can use as a reference.

Store description
Shown in your Customer Area.

Shopper statement
Shown on your bank/credit card statement and shopper receipt.

Store information

 Germany (DE) ▼

Address line 1

Address line 2

Address line 3

Hardware: EC terminal settings (using the example of the AMS1)



- About this terminal
- Customization
- Payment features
- Receipts
- Hardware
- Integrations
- Diagnostics
- Passcodes >**
- Connectivity
- Terminal timeline

Terminal passcodes

Switch to decrypted mode to edit this setting Encrypted Decrypted

Keep in mind that passcodes only update once the terminal connects to our platform. This happens usually every 3 hours. Want to update your new passcode right now? Open the Config menu using your old passcode and select Update.

Transactions AdyenPspService ↗	⋮	👁
This passcode is 4 digits and is needed to open the Transactions menu on Android terminals or the special payments menu on standalone non-Android terminals.		
Admin & Settings AdyenPspService ↗	⋮	👁
This passcode is 4 digits and is needed to open the Settings menu on Android terminals or the Admin menu on non-Android terminals.		
Refunds		👁
This passcode is 6 digits and is needed to initiate a refund on standalone terminals.		

Settings → Network → enter password (can be found online at [adyen.com](https://www.adyen.com) *) → WiFi → select WLAN and connect → Click on the WLAN you are using → scroll down → click on extended → scroll down further and note the IP address

Note: Depending on the device LAN can also be used

* Point of Sale/Terminals/(Select the according terminal)/Passcodes






Hardware: EC terminal settings (using another Adyen-Terminal)

- If you are using a different terminal, you must go to the settings of the terminal and note the IP address, in a similar way to the previous slide.

Settings in CCO

Synchronization POS system **Accounting**

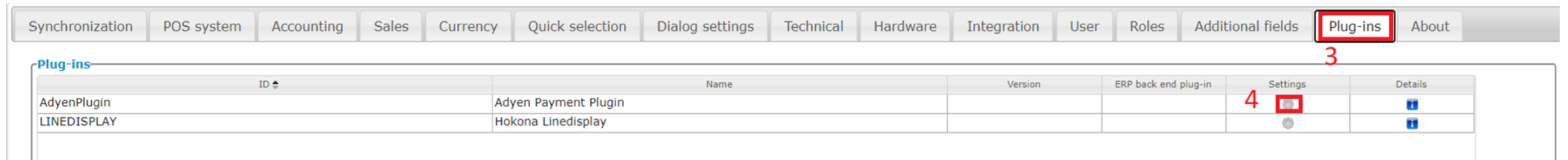
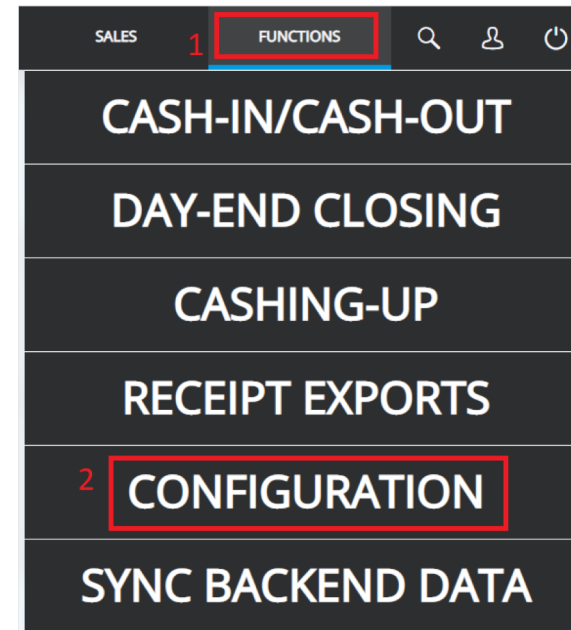
CREDIT CARD TYPE TAX RATES SPECIAL SALES I

Code	Type code ERP	Description	Logo	Visible	Active
1	1	American Express		<input type="radio"/> OFF	<input checked="" type="radio"/> ON
10	10	Adyen		<input checked="" type="radio"/> ON	<input checked="" type="radio"/> ON
2	2	VISA		<input type="radio"/> OFF	<input checked="" type="radio"/> ON
3	3	Master Card		<input type="radio"/> OFF	<input checked="" type="radio"/> ON
4	4	Diners Club		<input type="radio"/> OFF	<input type="radio"/> OFF
5	5	EC		<input type="radio"/> OFF	<input checked="" type="radio"/> ON

- Add Adyen and set visibility to "ON".
- Set the visibility of the other maps to "OFF".
- Activate all maps that should be usable.

Plugin settings:

- Open plugin settings in the CCO



Plugin settings:

Adyen Payment Plugin	
Schlüssel ↕	Wert
ADYEN_ACTIVATE_DYNAMIC_TERMINAL	<input checked="" type="checkbox"/>
ADYEN_ACTIVATE_UNREFERENCED_REFUNDS	<input type="checkbox"/>
ADYEN_API_KEY	*****
ADYEN_CARD_MAPPING	mc=3;amex=1;visa=2;visa_applepay=2;maestro=3
ADYEN_COMPANY_ACCOUNT	samplecompany
ADYEN_CREATE_NEW_ABSTRACT_PAYMENT_ITEM	<input checked="" type="checkbox"/>
ADYEN_EXCLUDE_CARD_IDS	
ADYEN_FALLBACK_CARD	10
ADYEN_FALLBACK_SERIAL_NUMBER	AMS1-0001
ADYEN_FALLBACK_TERMINAL	http://192.
ADYEN_IS_TEST_ENV	<input checked="" type="checkbox"/>
ADYEN_KEY_IDENTIFIER	*****
ADYEN_KEY_PASSPHRASE	*****
ADYEN_KEY_VERSION	1
ADYEN_MERCHANT_ACCOUNT	sampleLtd_TEST
ADYEN_PAYMENT_REFERENCE_PATTERN	\${cco_prefix}-\${receipt_id}-\${transaction_amount}
ADYEN_RECEIPT_PRINT_KEY_FILTER	
ADYEN_STORE_ID	A015
ADYEN_TERMINAL_CONNECTION_TIMEOUT	10000
ADYEN_TERMINAL_READ_TIMEOUT	60000

Plugin settings:

KEY	VALUES
ADYEN_ACTIVATE_DYNAMIC_TERMINAL	true If "true" is selected, the Adyen terminal is not linked to a single POS. When paying by card at the checkout, you are asked which terminal should be selected. This means that different terminals can be selected from one cash register. Each terminal can in turn be used by different POS.
ADYEN_ACTIVATE_UNREFERENCED_REFUNDS	false → Prevents a refund from being made to a card that was not used to make the original payment. → If "true" is selected, the function must be activated in consultations with Adyen.

KEY

VALUES






ADYEN_API_KEY

0A00A000000000A00

- Key to connect to the Adyen backend.
- This can be created at: [Adyen.com/Developers/API_credentials/Create new credential](https://Adyen.com/Developers/API_credentials/Create_new_credential)
- The authorization for the Terminal Management API must be enabled by Adyen.

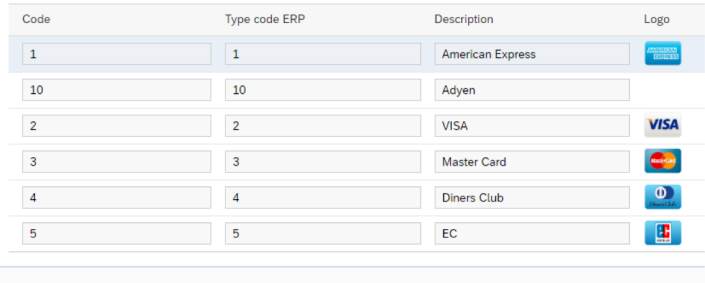
ADYEN_CARD_MAPPING

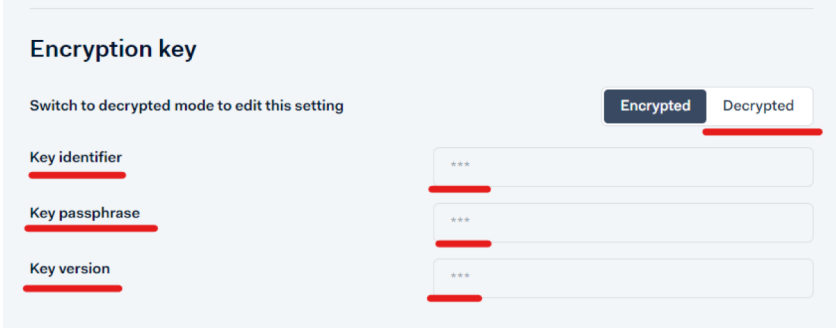
mc=3;amex=1;visa=2;visa_applepay=2;maestro=5

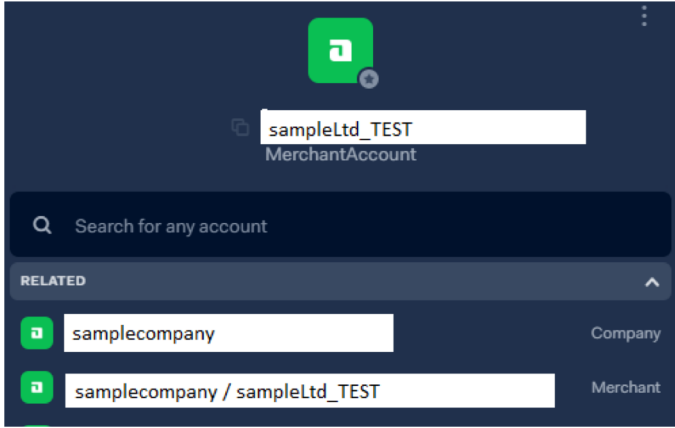
Code	Type code ERP	Description	Logo
1	1	American Express	
10	10	Adyen	
2	2	VISA	
3	3	Master Card	
4	4	Diners Club	
5	5	EC	

- Here, a number is assigned in the CCO to the different card types that can be used to pay at the Adyen terminal.
- Possible payment methods:
<https://docs.adyen.com/payment-methods>

KEY	VALUES
ADYEN_COMPANY_ACCOUNT	samplecompany → Select Adyen company account
ADYEN_CREATE_NEW_ABSTRACT_PAYMENT_ITEM	true → If "false" is selected, after a failed card payment, the option remains to pay alternatively, for example, in cash. → If "true" is selected, a new payment item of the type "card" is automatically added after a failed card payment. Consequently, payment must be made by card or the transaction must be cancelled.
ADYEN_EXCLUDE_CARD_IDS	1;1337;9234 → IDs of cards to be excluded.

KEY	VALUES																												
<p>ADYEN_FALLBACK_CARD</p>  <table border="1"> <thead> <tr> <th>Code</th> <th>Type code ERP</th> <th>Description</th> <th>Logo</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1</td> <td>American Express</td> <td></td> </tr> <tr> <td>10</td> <td>10</td> <td>Adyen</td> <td></td> </tr> <tr> <td>2</td> <td>2</td> <td>VISA</td> <td></td> </tr> <tr> <td>3</td> <td>3</td> <td>Master Card</td> <td></td> </tr> <tr> <td>4</td> <td>4</td> <td>Diners Club</td> <td></td> </tr> <tr> <td>5</td> <td>5</td> <td>EC</td> <td></td> </tr> </tbody> </table>	Code	Type code ERP	Description	Logo	1	1	American Express		10	10	Adyen		2	2	VISA		3	3	Master Card		4	4	Diners Club		5	5	EC		<p>3</p> <p>→ Indicates what type of card payment the payment should be forwarded as to the CCOM or ERP system if the payment cannot be assigned.</p> <p>→ The corresponding codes can be set in the CCO: see slide 9.</p>
Code	Type code ERP	Description	Logo																										
1	1	American Express																											
10	10	Adyen																											
2	2	VISA																											
3	3	Master Card																											
4	4	Diners Club																											
5	5	EC																											
<p>ADYEN_FALLBACK_SERIAL_NUMBER</p>	<p>AMS1-0000000000000000</p> <p>→ Serial number of the unit to be used if no selection is made or errors occur. It is determined which device is to be used as the default device.</p>																												
<p>ADYEN_FALLBACK_TERMINAL</p>	<p>https://000.000.0.000</p> <p>→ Specifies the IP address of the terminal to be used if no selection is made or errors occur. Specifies which device is to be used as the default device.</p>																												

KEY	VALUES
ADYEN_IS_TEST_ENV	<p>true</p> <p>→ Is set to "true" if it is a test environment.</p>
ADYEN_KEY_IDENTIFIER ADYEN_KEY_PASSPHRASE ADYEN_KEY_VERSION	<p>IDENTIFIER</p> <p>PASSPHRASE</p> <p>1</p> <p>→Adyen.com/Point of Sale/Terminals/(Select the corresponding terminal)/Integration →Click on Decrypted and enter the values in the plug-in settings. → These must be equally set for all devices in a store.</p> 

KEY	VALUES
<p>ADYEN_MERCHANT_ACCOUNT</p>	<p>MusterGmbH_TEST</p> <p>→ Select the corresponding merchant account.</p> 
<p>ADYEN_PAYMENT_REFERENCE_PATTERN</p>	<p><code>\${cco_prefix}-\${receipt_id}-\${transaction_amount}-\${transaction_currency}-\${transaction_timestamp}-\${terminal_serial_number}-\${terminal_display_label}</code></p> <p>→ Here you can set the pattern in which the payment reference is to be specified.</p> <p>→ May be a maximum of 80 characters long. Any characters exceeding this will not be transferred.</p>

KEY	VALUES
ADYEN_STORE_ID	SAPAAA01 →The ID of the store where the terminal is located must be entered here.
ADYEN_TERMINAL_CONNECTION_TIMEOUT ADYEN_TERMINAL_READ_TIMEOUT	10000 60000 →Determines after how many milliseconds a timeout occurs.

After completing the settings, the Customer Checkout should be restarted.

Quickselection Buttons

- Choose a standard terminal
 - Add a new quick selection button in CCO Manager
 - Add the following code into the extended javascript field
 - `"event" : { "eventName" : "ADY_ADD_STANDARD_TERMINAL_CHOICE"}`

The screenshot shows the configuration interface for a quick selection button in the CCO Manager. The interface is titled "General data" and contains the following fields:

- Name:** Select Default Terminal
- Translation key:** (empty)
- Row / Column:** 0 / 0
- Horizontal size / Vertical size:** 1 / 1
- Display option:** 2 - Text only (dropdown menu)
- Navigate to:** (dropdown menu)
- Visible:**
- Extended CSS style:** (empty)
- Extended JavaScript:** `"event" : { "eventName" : "ADY_ADD_STANDARD_TERMINAL_CHOICE"}`

Quickselection Buttons

- Remove standard terminal
 - Add a new quick selection button in CCO Manager
 - Add the following code into the extended javascript field
 - `"event" : { "eventName" : "ADY_REMOVE_STANDARD_TERMINAL_CHOICE"}`

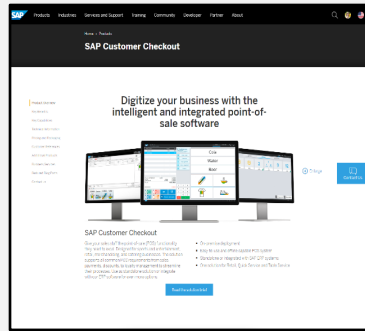
General data

Name:	Delete Standard Terminal	
Translation key:		
Row / Column:	0	1
Horizontal size / Vertical size:	1	1
Display option:	2 - Text only	
Navigate to:		
Visible:	<input checked="" type="checkbox"/>	
Extended CSS style:		
Extended JavaScript:	<code>"event" : { "eventName" : "ADY_REMOVE_STANDARD_TERMINAL_CHOICE"}</code>	

Learn More

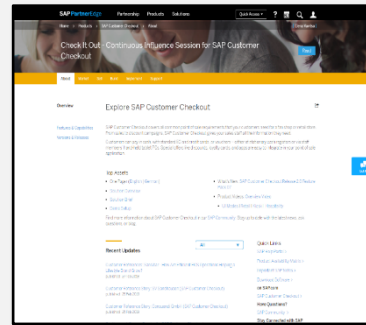
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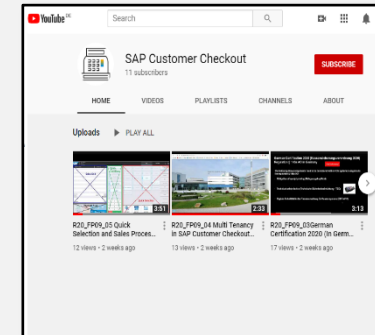
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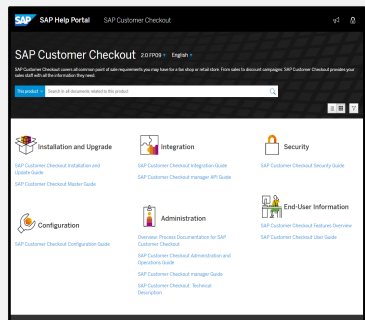
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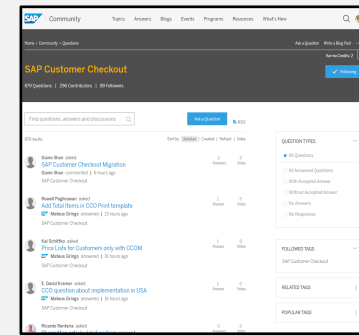
[SAP Help](#)

Official Product Documentation of SAP Customer Checkout



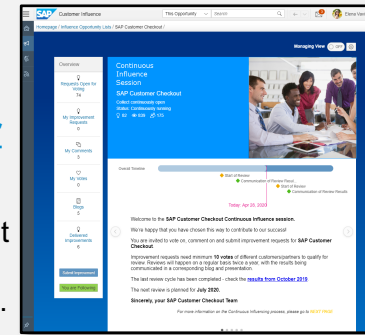
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Thank you!

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