



Drupal 8 Commerce Payment & Invoicing made easy with Wallee

31.01.19 | Giannis Pagonas, Senior Drupal developer @ zehnplus.ch



Drupal Mountain Camp 2019

zehnplus sessions at Drupal Mountain Camp 2019 in Davos (of total 5):

- Drupal 8 Commerce Payment and Invoicing on any payment gateway
- Build a CRM system based on drupal commerce



The Problem

- Limited Drupal 8 modules for integration of various Payment Gateways
- Complex integration with Postfinance API
- Complex implementation of offline Invoice Payment Slips with ISR
- Complex implementation of Postfinance FDS for automatic payment update



The Solution

- Use of Wallee, a 3rd party service which integrates easily with various different Payment Gateways
- Creation of a Drupal 8 module which integrates Wallee with Drupal Commerce



Our Use Case

- Integrate Commerce payments with PostFinance
- Use offline payments (invoice with ISR slip)
- Use online payments (Visa & Mastercard)
- Easily configure and use Invoices



Wallee

Effortless payments easy setup

With wallee we could easily configure all of the above requirements

1. PostFinance ISR Processor

Simple configuration of offline payments via Invoice with ISR

2. PostFinance E-Payment E-Commerce

Simple integration with Postfinance for Credit Card online payment

3. Invoice Templates

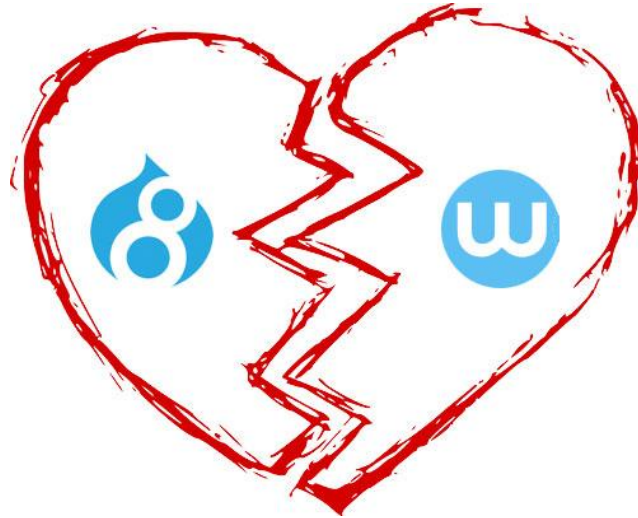
Configure custom Invoice templates using twig



Wallee integration

Via Wallee PHP API

Currently no Wallee - Drupal integration





Meet Wallee D8 module Overview

01

Connection to wallee

02

Provides Offline Payment Method
(via invoice with ISR)

03

Provides Online Payment Method (via
PostFinance Credit Card payment)

04

Automatically update Drupal invoice
and order state, when a payment is
made



Meet Wallee D8 module

Wallee connection

01

Wallee connection

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Space ID

Wallee Application User Id

Wallee Application User Password

Webhook Identity Key

Customer Email *

In case the custom has no email, currently wallee needs an email otherwise it crashes.



Meet Wallee D8 module

Payment methods mapping

01

Payment methods mapping

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PAYMENT METHODS

Wallee Invoice Payment Method ID

Credit Card Payment Method ID

Payment Success URL

Payment Failure URL

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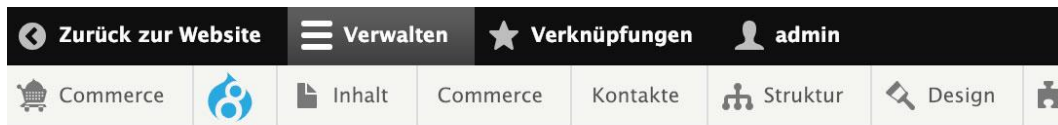


Meet Wallee D8 module

Automation configuration

01

Automation configuration



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AUTOMATIC INVOICE CREATION

Create Invoice Automatically when Order state goes to :

Comma separated state ids e.g. pending,paid

Create Invoice Automatically ONLY for the following Payment Gateways :

Comma separated payment gateway ids e.g. invoice,credit_card_payment

When Invoice state changes, trigger an Order state change

Comma separated state ids e.g. INVOICE_NEW_STATE,DRUPAL_ORDER_NEW_STATE

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Meet Wallee D8 module

Offline Payment (invoice with ISR)

02 Offline Payment (via Invoice), step 1

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Masquerade as... [Switch](#)

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Wallee Transaktion-ID	Zeitstempel Transaktion	Rechnungsstatus
Keine Rechnungen vorhanden		

[Create/Update Invoice](#)



Meet Wallee D8 module

Offline Payment (invoice with ISR)

02 Offline Payment (via Invoice), step 2

Ansicht Bearbeiten Mahnungen Rechnungen

Masquerade as... Switch

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Wallee Transaktion-ID	Zeitstempel Transaktion	Rechnungsstatus
1602100	03-02-2019 08:02:21	Invoice is being prepared Refresh State

Create/Update Invoice



Meet Wallee D8 module

Offline Payment (invoice with ISR)

02

Offline Payment (via Invoice), step 3

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Wallee Transaktion-ID

Zeitstempel Transaktion

Rechnungsstatus

1602100

03-02-2019 08:02:21

OPEN

Invoice Preview

Kundennummer 2000189
Rechnungsdatum 03.02.19
Rechnungsreferenz 92552

Giannis Pagonas
APOLLONOS 18
GR-15351 Pallini

BESCHREIBUNG	MENGE	STÜCKPREIS	STEUERSATZ	TOTAL
KdS 136 BE V Wangen	1	60.00 CHF	0 %	60.00 CHF

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Meet Wallee D8 module

Online Payment (Credit Card)

03



Online Payment (via Postfinance Credit Card)

zahnplus GmbH

37.00 CHF

KARTENBRAND *



ZAHLEN

[Transaktion stornieren](#)

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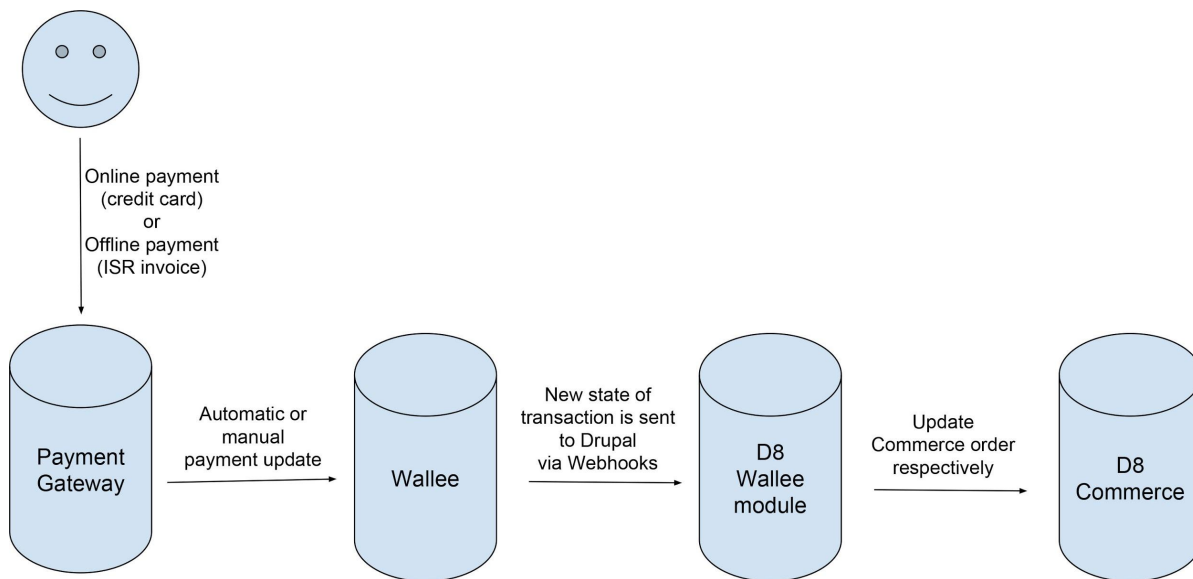
Meet Wallee D8 module

Automatic payment state update

04



Automatic Invoice & Order state change upon payment



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A wide-angle, nighttime photograph of a city, likely Zurich, Switzerland. The foreground and middle ground are filled with numerous buildings, many of which are illuminated from within, creating a warm glow against the dark night sky. Several tall, modern skyscrapers stand out among the more traditional European-style buildings. In the background, a range of dark, forested mountains is visible, with some peaks covered in snow and partially shrouded in mist or low clouds. The overall atmosphere is serene yet vibrant due to the city lights.

Meet zehnpus



Meet zehnplus: Leading digital service provider



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- In-depth knowledge of digital solutions, **using both transformational and latest AI technologies** for optimising all processes.
- Successfully digitalised many systems and environments for **customers of all sizes**.
- **Experts in process integration** together with flexible and fast support.
- **Drupal Profis** with over 10 years of experience.

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zehnplus customers:
They already trust us





Business services & products Overview

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We provide **strategic consultancy** in Digital Transformations, IT and Knowledge Management.

02

We build **custom digital solutions**, from E-commerce CRM platforms through billing systems to self-care portals. (customer facing)

03

We build **data management & customer service platforms** to make businesses more efficient.

04

We are continuously investing in revolutionising technologies in the field of **AI, robotics** and **automatisation**.

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<https://www.drupal.org/project/wallee>

Thank you

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