



TALER

Taxable Anonymous Libre Electronic Reserves

Project number: Horizon Europe 101135475

D3.2

TALER Bookseller

Due date of deliverable: 2025-05-31

Actual submission date: 2025-05-31

WP contributing to the deliverable: WP3

Start date of project: 1. December 2023

Duration: 3 years

Coordinator:
Eindhoven University of Technology
ngi.taler.net

Revision 1.0.2

Project co-funded by the European Commission within Horizon Europe		
Dissemination Level		
PU	Public	X
PP	Restricted to other programme participants (including the Commission services)	
RE	Restricted to a group specified by the consortium (including the Commission services)	
CO	Confidential, only for members of the consortium (including the Commission services)	
SEN	Sensitive	

TALER Bookseller

Jean-Michel MASSIBOT

Reviewers: Özgür Kesim (CBG) and Leo Wittmann (GLS)

2025-05-31

Revision 1.0.2

The work described in this report has been funded (in part) by the European Union and by the Swiss State Secretariat for Education, Research and Innovation in the HORIZON-CL4-2023-HUMAN-01-CNECT call in project 101135475 TALER. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union. Neither the European Union nor the granting authority can be held responsible for them.

HISTORY OF CHANGES		
VERSION	PUBLICATION DATE	CHANGE
0.1	2025-05-09	Preliminary version (unreleased)
0.2	2025-05-28	Preliminary version (for review)
0.3	2025-05-28	Add future work section
0.4	2025-05-29	Integrate CBG and GLS feedback
0.5	2025-05-29	Add screenshots and fix lists
0.6	2025-05-30	Refer to Exodus Privacy
0.7	2025-05-30	Arrange screenshots and link to follow-up topic on TALER ICH
0.8	2025-05-30	Final review by GLS
1.0	2025-05-30	Finalize D3.2 report (no change)
1.0.1	2025-09-05	Add table of contents (no change)
1.0.2	2025-09-16	Added Introduction and Final Considerations

Abstract

The TALER Bookseller, second deliverable by PS, and third in WP3 was delivered on time despite unforeseen constraints.

The TALER Bookseller provides a fully working demonstration of GNU Taler software, enabling anyone to acquire digital versions of books sold by PS using Taler payment system online.

Keywords: WP3, PS, Bookseller, Taler, implementation, BOOKZ

Contents

1	Introduction	1
2	D3.2 TALER Bookseller is online!	3
2.1	Means of Verification	3
3	Making of D3.2	5
3.1	Unforeseen Constraints	6
3.2	Resolving the Issues	6
3.3	D3.2 in Action	8
3.4	Future Work	8
A	Screenshots	11
B	Final Considerations	27

Chapter 1

Introduction

This report describes the launch of the TALER Bookseller, an important part of the Work Package 3 (Verticals Towards Commercialization) of the TALER project.

The TALER Bookseller is the consolidation of the vertical of Publishing, and the core of Task 3.2: Vertical 2: Independent Book Sector. In this task, PS integrated GNU Taler in its business model, and is now able to sell books using it.

Due to the delayed rollout of Taler payments in Euros, the bookseller cannot be used to buy books in Euros at this time, however, it is now fully operational using a demo currency BOOKZ, and has been used already. The report also details feedback given to WP5 regarding the usability of the merchant and bank software.

Chapter 2

D3.2 TALER Bookseller is online!

WP3, *Verticals Towards Commercialization* aims to investigate three vertical markets, in complement to WP2's Finance vertical market:

1. The Independent Book Sector ([#books](#))
2. Inclusion and e-Health ([#inclusion](#))
3. The Free/Libre Open Source Software Supply Chain ([#floss](#))

The TALER Bookseller focuses on the first item and proposes that PS, the publishing partner within the TALER consortium, sell their books online using GNU Taler. This report provides details of the implementation and access to the online shop running the system.

2.1 Means of Verification

1. The website <https://bookseller.taler.net/> is online.
2. Anyone can follow the demonstrator: installing TALER Wallet, obtaining credits from the demo bank, shopping for PS books, obtaining the corresponding digital files.
3. TALER Bookseller announcement to the Fediverse:
<https://ich.taler.net/t/ngi-taler-bookseller-d3-2/419>
4. Press Release is public:
<https://ich.taler.net/t/ngi-taler-bookseller-d3-2-is-online/418>
5. PS TALER page links to the TALER bookseller:
<https://ps.lesoiseaux.io/taler/#taler-d32>
6. PS online store proposes to pay with TALER:
<https://shop.bookseller.taler.net/>

Chapter 3

Making of D3.2

The independent book sector forms an ideal market vertical: all publishers have web sites, they form tight networks with their supply chain (printshops, distributors) and customers (bookshops), and cooperate at regional, national, and international level through federations. Moreover, since the 2020 confinement, most independent publishers and bookshops started selling online independently, considering Amazon, with reason, a threat to their operations and sustainability. As an independent publisher, PS is part of this network of MSMEs who actively resist monopoly and are eager and determined to embrace innovation.

The history of PS stems from free software activism and book making. Even before we incorporated our association, we were active making books: our founders were instrumental in structuring *Cost of Freedom* (2015), in support for late Syrian Creative Commons activist Bassel Khartabil, who died in Bashar Al Assad’s prisons; they also ran a booksprint for *software freedom, your way* (2016) which documented the Debian fork and proposed a human and collective approach to free software that informed the core of *petites singularités*’ path forward.

From this experience, PS started producing books on a yearly basis since 2019, and started professionalizing this activity since 2021. Coming from free software and the GNU project, it was only natural for PS to embrace GNU Taler, a promising electronic payment system that was the only credible proposal from the free software community to counter dominant projects competing to take control of online payment systems across the board. Besides being the only viable proposal coming from the free software, GNU Taler offers unique characteristics that make it a serious contender against industrial giants in payment systems.

GNU Taler’s unique design brings, in our opinion, four invaluable advantages over the competition:

1. privacy of the buyer (good to *uphold EU values*);
2. transparency of the seller (good for *thwarting tax evasion and money laundering*);
3. free software (good for *technical sovereignty and security*);
4. and *much cheaper operational costs* than existing solutions (good for long-term competition and keeping transaction costs low).

To an independent publisher in 2025, who needs to sell books online and at events, GNU Taler provides a cost effective and ethical payment solution, and we're looking forward to see it thriving on the European Single Market. Due to its much lower operational costs, GNU Taler is also perfectly suited to handle micro-payments, opening new opportunities for publishers, like selling ebooks or single articles. This deliverable, for PS, was therefore a first practical step in exploring what we — professionals of the independent book sector — can do with GNU Taler.

The original plan within the consortium was that:

- GLS provides a business account to PS
- PS implements Taler payment on the online bookstore
- PS sells books online using Taler payment system
- Books are sold in Euro

Unfortunately, the intended course of events had to adapt to reality.

3.1 Unforeseen Constraints

The original motivation of the consortium was to offer the GNU Taler payment services for the whole Eurozone with a particular emphasis on making the system technically safe while guarding private user data and staying within the legal framework. However, the current deployments cannot offer PS a bank account and/or access to the Taler system due to limitations in the individual service provider's licensing or product structure. Under these circumstances, PS is not legally authorized to, and cannot become a Taler Merchant within the upcoming payment system in Euros by GLS, jeopardizing the original intent, and leaving PS only a few weeks to adjust to a suitable solution for this deliverable after the final negative result from the legal advisors to GLS and discussions within the TALER project.

Moreover, we were not able to find dedicated bookseller software supporting Taler payment APIs, within the technical stack used by PS. Our free software of choice eventually applied to, and was selected for, funding through the TALER Open Calls, but they preferred not to pursue this funding and postponed Taler support to focus on their regular roadmap and more practical matters; although we could have run a temporary server for the purpose of this deliverable, using a existing implementation of Taler, made outside the scope of TALER, we deemed it useless to pursue something that we would not be able to maintain on the long term. Besides, there's already such a demonstrator not using euros but a fictional currency, running at <https://demo.taler.net> that does not require any setup from customers since it comes pre-configured with Taler software.

3.2 Resolving the Issues

Since we could not achieve our original intent for reasons outside our control, we decided to reduce the scope of the D3.2 demonstrator to something manageable. We sought the Project Officer and offered a leaner version of the original bookseller across the Eurozone, to focus on the implementation of the demonstrator for BOOKZ, a fictional currency distinct from

KUDOS; BOOKZ are designed, similarly to KUDOS, as a fictional currency for the purpose of buying and selling books.

The demonstrator would be integrated with PS online bookstore, so that potential buyers could choose to acquire electronic versions of our books using the Taler payment system.

The demonstrator implements the following GNU Taler components:

- The *libeufin-bank* software;
- The *taler-exchange* software;
- The *taler-merchant-backend* software;
- The *Taler Point of Sale* app for Android;
- The *Taler Wallet* apps for Android, iOS, or the Web.

The *libeufin-bank* software, running at <https://bank.bookseller.taler.net/>, simulates all bank accounts involved in the demo: the customer's bank account, the account for the *TALER Bookseller Exchange*, and the *TALER Merchant's* bank account. During the demo, each customer must open a bank account in BOOKZ, to simulate their own bank account in EUR. When the bank account is created, it is automatically credited with a sum of BOOKZ that can be wired to the *TALER Bookseller Exchange* in order to withdraw TALER BOOKZ tokens in the customer wallet for privacy-preserving payments at the *TALER Merchant*.

The *taler-exchange* software, running at <https://exchange.bookseller.taler.net>, simulates the financial entity that is authorized to accept fiat currency and deliver bearer tokens (so-called *digital cash*, as it serves the same purpose as paper money: transferring value to the bearer). The Exchange only interacts with the bank(s) and the wallet(s), and remains transparent to the customer outside of the withdrawal operation (turning fiat currency into digital tokens), and to the Merchant during the deposit operation (when the Merchant passes the digital cash to the Exchange in order to be transferred back to fiat currency into their bank account via aggregate wire transfer).

The *taler-merchant-backend* provides a Web interface to manage an inventory with stocks, products and description. It may be connected to a front-end shopping application such as *WooCommerce*. The ongoing TALER Open Calls, operated every two months by our partner NLnet, aim to grow the number of software projects integrating Taler payments, that can be found in the Integrations category of TALER ICH, our integration community hub, operated by PS (also known as D3.1).

We tested the sales of electronic version of PS books during the first edition of the *Political Book Fair* in Lille, using the *taler PoS app* for Android. The Point of Sales (PoS) app connects to the Taler Merchant Backend and retrieves the inventory of products, which appears on the screen, divided in categories. For our purpose, PS made a collection-based catalog. Tapping on the collection name, then on the desired product, would add it to the cart. Once the order is ready, the PoS offers two ways of payment:

- flashing a QR code from the Taler Wallet;
- sharing a *taler://pay/* link to share via email or a messaging application, for use with the Web version of the Taler Wallet.

In order to pay with Taler, the customer must do two things: install a Taler Wallet and withdraw digital cash.

Each customer must use a Taler Wallet. The wallet app is available for Android and iOS, as well as major web browsers (Chrome/Chromium, Firefox, Opera). The Exodus Privacy website [rates Taler Wallet](#) with *zero trackers*, in accordance with the privacy-by-design and privacy-by-default goals of GNU Taler; this is unlike most other payment apps on Android. Once the wallet is installed, the customer must withdraw BOOKZ (in this demo, this also requires adding the correct Taler Exchange, since each Exchange is currently tied to a single currency: hit the + button and enter ‘<https://exchange.bookseller.taler.net>’ for the Exchange URL); the TALER Bookseller Exchange replies with a specially crafted wire order, that the customer can use from their bank account to wire currency to the Taler Exchange; then the Exchange issues tokens and credits them to the Taler Wallet.

In order to withdraw digital cash, customers need to wire money from their bank account to the Taler Exchange for their currency. In this demo, the currency is BOOKZ, therefore customers must have a bank account at <https://bank.bookseller.taler.net/>.

This bank account will be used during the withdrawal operation that can be initiated from the Taler Wallet. The TALER Bookseller Exchange gives a wire order to the customer, who can then use the bank account to wire the requested amount in BOOKZ currency to the bank account of the Exchange (named ‘exchange’ in the demo). The wire order contains a cryptographic key that authenticates the operation, ensuring the digital cash go to the right Wallet.

With BOOKZ in their Taler Wallet, customers can buy books from PS!

3.3 D3.2 in Action

The TALER Bookseller demonstrator is fully documented online and integrated in our usual discussion spaces.

Please visit <https://bookseller.taler.net>

The Appendix below presents screenshots of the various components involved in the demonstrator, means of verification, and relevant pictures.

3.4 Future Work

Summary

1. Update demo with new releases
2. Review documentation
3. Increase participation in the documentation
4. Integrate with PS bookshop in EUR

Follow up to this report will be [available on TALER ICH](#).

This demonstrator is based on the recently released version 1.0.0 of GNU Taler software. During our research, PS found several occurrences of bugs in the software and the documentation, leading to timely fixes by the development team. PS intends to update the demo as new versions of the software are released, in order to help testing and reporting issues to developers.

The current documentation appears to suffer from rot: some passages, written years ago, may have been obsoleted by newer versions, as discovered during the implementation of this demo. Therefore, PS intends to review documentation to ensure software can be installed without hiccups by following the documented processes, and clarified where confusion may arise from a lack of understanding of the system. With a composable software of that magnitude, discrepancies between code and documentation are bound to happen.

Unfortunately, most software funding focuses on development, and not on maintenance and documentation. Smaller issues in documentation, often hard to impossible to detect, may generate a cascading chain of incurred costs in time and frustration; therefore it's important to ensure highest quality assurance not only for code but also for the documentation. Following the adage “more eyeballs make all bugs shallow”, through open debate on <https://ich.taler.net/>, PS enables anyone in the Taler community, technician or not, to report issues unrelated to code, offering a space for discussion and triage before an eventual escalation to reporting qualified issues to the principal bug tracker of the Taler project at <https://bugs.taler.net>.

We believe that an inclusive community involving all stakeholders is necessary to fulfill the promise of software freedom and digital sovereignty. We're also confident that developer time is precious and therefore must be shielded from unqualified, time-consuming issues: the conversational nature of a forum complements the mailing-list, providing a curated and searchable facility to discover and resolve common problems. This approach allows more people to participate in curating effective documentation that can eventually integrate the official project documentation.

PS envisions a moment when, once the TALER project is successfully completed and Taler payment in Euro is available across the Eurozone, we can integrate the Bookseller fully with the PS bookstore. This deliverable D3.2 is but a first step on that journey.

Appendix A

Screenshots

TALER

NGI TALER Bookseller (D3.2)

Keep your reading list private

Buy books with GNU Taler

Welcome to our dedicated D3.2 that aims to demonstrate GNU Taler operations in the context of publishing.

The bookseller implements GNU TALER software to enable people testing secure electronic payment with GNU Taler with a fictional currency we call BOOKZ. After BOOKZ, you can acquire electronic versions of the books published by Editions petites singularités, operated by [petites singularités SAS](#), [see also in the NGI TALER consortium](#).

This document introduces GNU Taler and the NGI TALER project, as well as the demonstration itself, its context for publishers, and means to learn more and eventually participate in the deployment of this privacy-preserving electronic payment system across Europe.

Read the  Press Release

On May 24th, 2023.

You may [boost it on the Festival !\[\]\(3f8838d7e0a883aee88896beec531e3a_img.jpg\)](#)



Buy **BOOKZ**, pay with **TALER**

"He won't know what you read."



What is GNU Taler?

Learn about the free software electronic payment system that delivers digital cash.

What is NGI TALER?

Learn about the Next Generation Internet project to deploy GNU Taler across the Eurozone.

TALER Bookseller demo overview

Get started with GNU Taler for books!

1. Open a bank account for BOOKZ

First, you need a bank account to simulate the BOOKZ currency...

2. Withdraw BOOKZ to your Taler Wallet

Second, you need to fill your wallet with digital cash...

3. Go shopping for books

Finally, you can acquire books, and no one will know what you read!

Beyond the Bookseller demo

Interested? Go backstage and see how we can work together.

What is GNU Taler?

GNU Taler is a set of free software programs based on open standards and advanced cryptography that create a privacy preserving, secure electronic payment system. Taler is made in Europe and is funded by the European Union. Taler makes privacy-friendly transactions fast and easy. You can learn more about [GNU Taler](#) and its [history](#) at the main web site.

What is NGI TALER?

NGI TALER is a project to deploy GNU Taler across the Eurozone. The consortium brings together 11 partners who is funded under Horizon Europe (Pilot for the Next Generation Internet).

TALER Bookseller demo overview

In order to go through the demo and acquire electronic books from [petites singularités](#) using the Taler payment system, you will need to follow these steps:

1. Install a Taler Wallet

2. Open a bank account for BOOKZ

3. Withdraw BOOKZ to your Taler Wallet

4. Finally, go to books

Known limitations

The following limitations may hinder your experience, but we're working on it. You can [follow our progress](#) on TALER Integration Community Hub.

- The demonstration is limited to the fictional currency BOOKZ, due to current limited offering for merchants beyond Switzerland and Germany.
- The only available shop is [Samsara](#), PS bookstores.
- There is no web interface besides the Taler App. It is recommended to contact the PS team and schedule a live demo using the [Taler Point of Sale](#).

Open a bank account for BOOKZ

Normally, if you were to pay in euros, you would use your own bank account, wiring money from it to the Taler Exchange, so this step is specific to the demo.

The Taler Exchange is the financial entity that is authorized to convert fiat currency (like EUR) or regional currency (like [Bitcoin](#) or [Bitcoin Cash](#), or [BOOKZ](#) in our demo) for digital cash. We call it digital cash because the currency value is the paper value and metallic coin: the value is transferable to the bearer and not tied to any single identity, which is consistent with the privacy by design and privacy by default goals of TALER to preserve customer privacy in the digital environment.

Opening a demo bank account is a one-step process requiring no private information: you may use any login, password and full name you like.

Let's go: please [complete the demo bank account registration](#) form and you will receive a number of BOOKZ to spend with your [Taler Wallet](#).

Withdraw BOOKZ to your Taler Wallet

Once you have a [bank account](#) and a [Taler Wallet](#), you need to fill your wallet with digital cash.

Configuring the Taler Exchange

In your Taler Wallet, you must add the TALER Bookseller Exchange, as it is not (yet) part of the default exchanges shipped with the Taler wallet software.

You have to do a manual action with the goal to link the Payment System Providers (PSP) to the fiat coin. It will reveal a list of currently live Exchanges for (VULCO) and a PSP, sign at the bottom right box or otherwise you want to add them (if exchange [bookz.exchange](#), [taler.exchange](#), if it does not work the first time try again! Sometimes the network is not playing with us.

Once you have the Taler Exchange registered, you may continue. If this step fails, please [see this issue](#).

Withdrawing: sending money to the Taler Wallet

Once the Exchange is configured, you can hit the central button and make appear the menu: choose [Withdraw](#) and ask for 50.00 BOOKZ from the exchange [bookz.exchange](#) and PSP and confirm. The wallet will provide details for the bank transfer, including a reference, the name of the destination bank, and the Taler Exchange account information.

From your bank account interface, you can now wire to the Taler Exchange, the amount of BOOKZ you want to withdraw, using the provided reference. The reference is a structured cryptographic token that will ensure the Exchange delivers the money rightfully to your Taler Wallet.

After a few seconds or minutes, your Taler Wallet transactions should show the completed transaction, and your balance should be augmented by 50.00 BOOKZ. Time to spend them!

Go shopping for books

The [Bookseller Shop](#) page lists the available venues where you may spend your digital cash to acquire books.

Currently, due to a limitation, there is no available web front-end, and we recommend using the Taler PoS app to complete the transaction.

In the meantime, because you have made the effort to follow the demo until now, we do not want to frustrate your experience, you are welcome to [browse our catalogue](#) and download anything you like from there. Since this is written in English, we recommend [download free software audiotapes](#). Enjoy your reading!

Beyond the Bookseller demo

The Bookseller demo will evolve with our experience using Taler, and promoting its adoption within the independent book sector. As the software evolves and the Taler currency becomes more functional, we can deploy the real thing in Europe, across the Eurozone.

If you are interested in supporting this project, in contributing or testing it for yourself, or if you are interested in its future, please, your expertise and your customers, then by all means, let us know! See [PS Taler page](#) for ways to help.

Our current [plans for upcoming changes](#) will be documented on TALER ICH.

[See you here!](#)

About petites singularités

P.S. is a non-profit association based in Brussels, researching collective practices and free technology production.

About TALER

NGI TALER European consortium is rolling out a new electronic payment system for Europe.

Acknowledgement

 Funded by the European Union Grant Agreement N° 101135475

© 2023 petites singularités — NGI TALER brings the electronic payment system GNU Taler to the Eurozone



Figure A.0.1: The TALER Bookseller Home Page

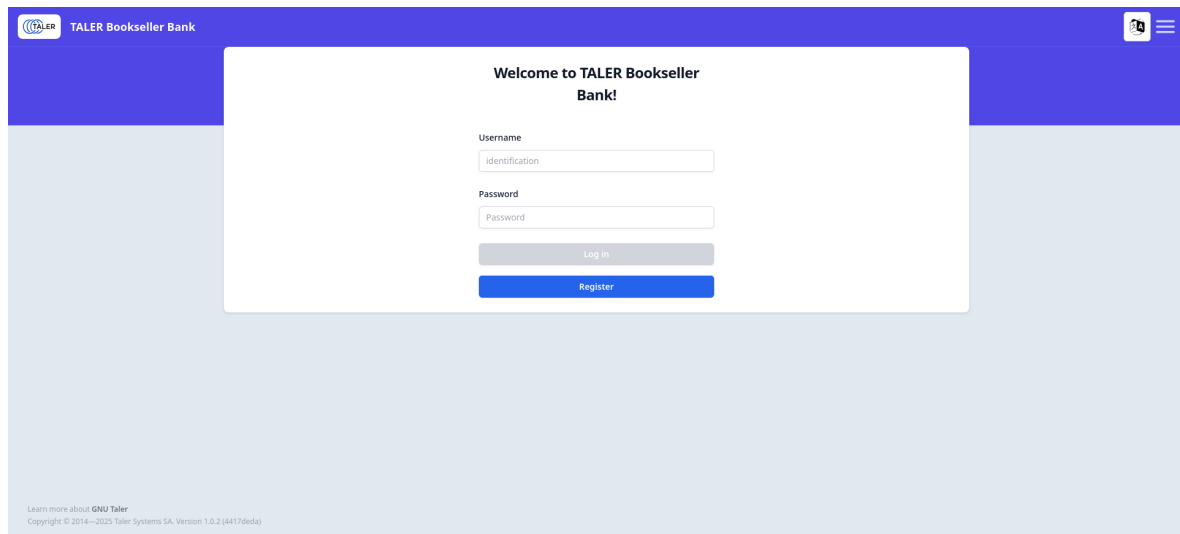


Figure A.0.2: The TALER Bookseller Demo Bank Home Page

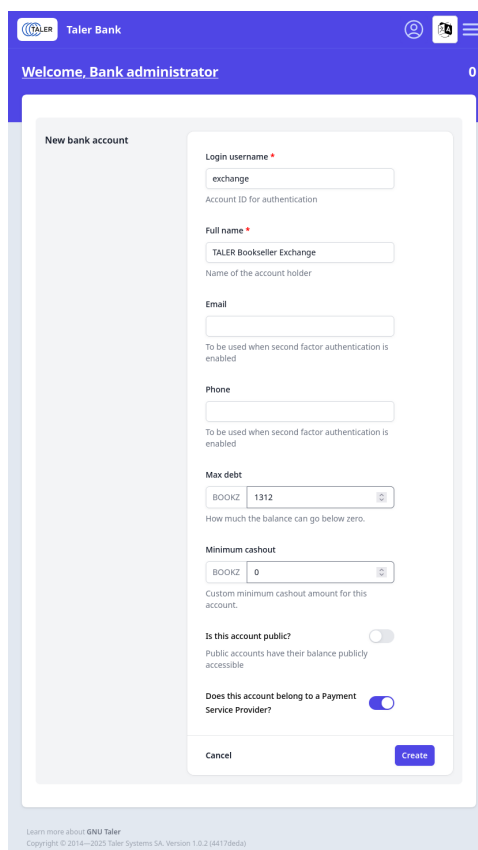


Figure A.0.3: The Taler Exchange bank account must be marked to 'belong to a Payment Service Provider'

Accounts			Create account
Username	Name	Balance	
admin	Bank administrator	- BOOKZ 13355.79	Change password
exchange	TALER Bookseller Exchange	BOOKZ 1406.63	Change password
ps	PS	BOOKZ 1447.79	Change password
samizdat	SAMIZDAT	BOOKZ 1325.37	Change password
test	TEST	BOOKZ 100	Change password

First pageNext

Figure A.0.4: The TALER Bookseller Demo Bank Accounts (admin and Exchange)

TALER Bookseller Bank

Account registration

Login username *

account identification to login

Password *

Password

Use a strong password: 8 characters minimum, don't use any public information related to you (names, birthday, phone number, etc...) and mix lowercase, uppercase, symbols and numbers

Repeat password *

Same password

Full name *

John Doe

Cancel

Register

Learn more about GNU Taler
Copyright © 2014–2025 Taler Systems SA, Version 1.0.2 (4417bda)

Figure A.0.5: Bank account registration form

The screenshot shows the 'Account registration' form for the TALER Bookseller Bank. The form is centered on a light blue background with a dark blue header. The header contains the TALER logo and the text 'TALER Bookseller Bank' on the left, and a user profile icon and a hamburger menu icon on the right. The form itself is a white box with the title 'Account registration' at the top. It contains four input fields: 'Login username' with the value 'jane', 'Password' with masked characters, 'Repeat password' with masked characters, and 'Full name' with the value 'Jane Doe'. Below the fields are two buttons: 'Cancel' and 'Register'. A small text block between the password and repeat password fields provides instructions on creating a strong password. At the bottom left of the page, there is a footer with the text 'Learn more about GNU Taler' and 'Copyright © 2014–2025 Taler Systems SA, Version 1.0.2 (4417dada)'.

TALER Bookseller Bank

Account registration

Login username *

jane

Password *

Use a strong password: 8 characters minimum, don't use any public information related to you (names, birthday, phone number, etc...) and mix lowercase, uppercase, symbols and numbers

Repeat password *

Full name *

Jane Doe

Cancel Register

Learn more about GNU Taler
Copyright © 2014–2025 Taler Systems SA, Version 1.0.2 (4417dada)

Figure A.0.6: Bank account registration form filled for Jane Doe

The screenshot shows the user interface for Jane Doe on the TALER Bookseller Bank. The header is dark blue with the TALER logo and 'TALER Bookseller Bank' on the left, and a user profile icon and a hamburger menu icon on the right. The main content area is light blue. At the top, there is a 'Welcome, Jane Doe' message on the left and 'BOOKZ 1312' on the right. Below this, there is a 'Send money' section with two options: 'to a Taler wallet' (with a green Taler icon) and 'to another bank account' (with a double-headed arrow icon). Below the 'Send money' section is a 'Transactions history' table. The table has four columns: 'Date', 'Amount', 'Counterpart', and 'Subject'. It shows a single transaction on 29/05/2025 at 16:02:51 for the amount 'BOOKZ 1312' from 'admin' with the subject 'bonus'. At the bottom right of the table are 'First page' and 'Next' buttons. At the bottom left of the page, there is a footer with the text 'Learn more about GNU Taler' and 'Copyright © 2014–2025 Taler Systems SA, Version 1.0.2 (4417dada)'.

TALER Bookseller Bank

Welcome, Jane Doe

BOOKZ 1312

Send money

to a Taler wallet
Withdraw digital money into your mobile wallet or browser extension

to another bank account
Make a wire transfer to an account with known bank account number.

Transactions history

Date	Amount	Counterpart	Subject
29/05/2025			
16:02:51	BOOKZ 1312	admin	bonus

First page Next

Learn more about GNU Taler
Copyright © 2014–2025 Taler Systems SA, Version 1.0.2 (4417dada)

Figure A.0.7: Bank account registered for Jane Doe

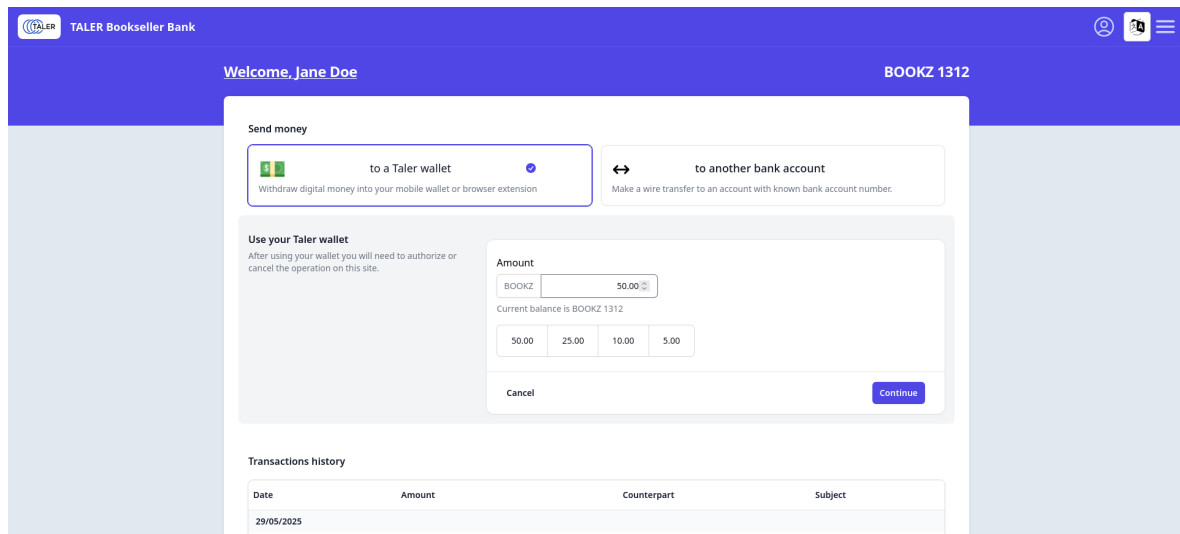


Figure A.0.8: Bank account Jane Doe sends money to her wallet

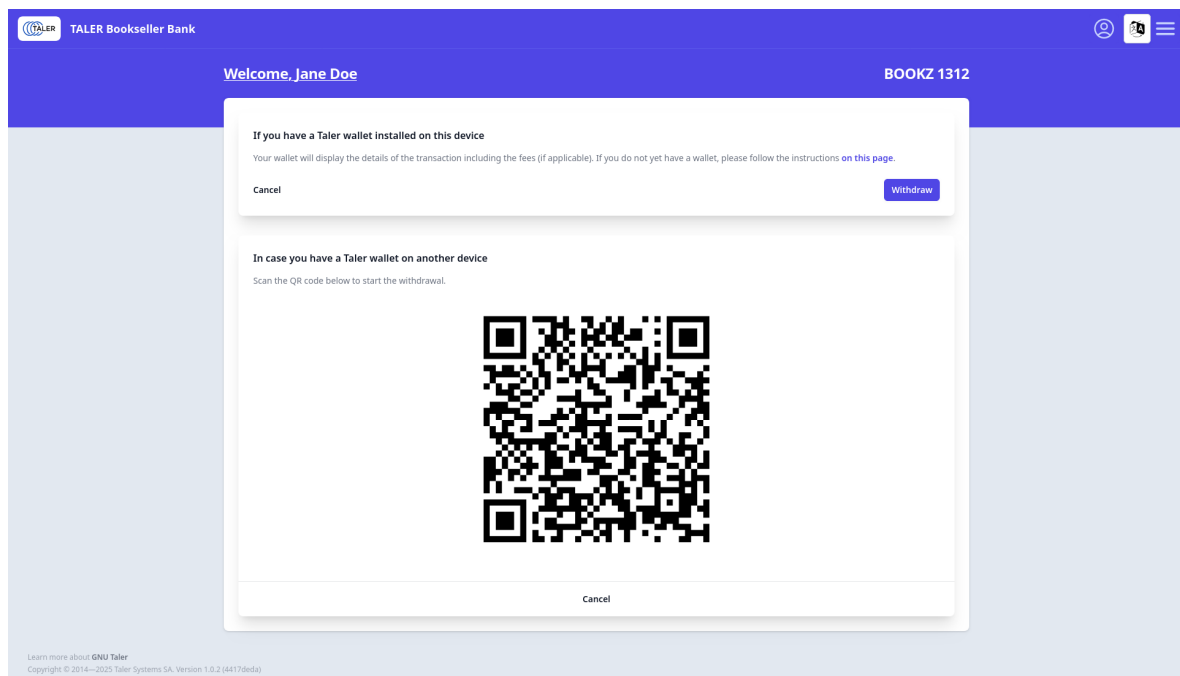


Figure A.0.9: Bank account Jane Doe sends money to her wallet



✕

Digital cash withdrawal

Service fee description

All fee indicated below are in the same and only currency the exchange works.

Exchange: <https://exchange.bookseller.taler.net/> CLOSE

Auditors
Doesn't have auditors

Currency: **BOOKZ**

Coin operations

Every operation in this section may be different by denomination value and is valid for a period of time. The exchange will charge the indicated amount every time a coin is used in such operation.

Deposits

Denomination	Fee	Until
0.01	0.00	25-May-2026
0.02	0.00	25-May-2026
0.04	0.00	25-May-2026
0.08	0.00	25-May-2026
0.16	0.00	25-May-2026
0.32	0.00	25-May-2026
0.64	0.00	25-May-2026
1.28	0.00	25-May-2026
2.56	0.00	25-May-2026
5.12	0.00	25-May-2026
10.24	0.00	25-May-2026
20.48	0.00	25-May-2026
40.96	0.00	25-May-2026

Withdrawals

Denomination	Fee	Until
0.01	0.00	26-May-2026
0.02	0.00	26-May-2026
0.04	0.00	26-May-2026
0.08	0.00	26-May-2026
0.16	0.00	26-May-2026
0.32	0.00	26-May-2026
0.64	0.00	26-May-2026
1.28	0.00	26-May-2026
2.56	0.00	26-May-2026
5.12	0.00	26-May-2026
10.24	0.00	26-May-2026
20.48	0.00	26-May-2026
40.96	0.00	26-May-2026

Refunds

Denomination	Fee	Until
0.01	0.00	25-May-2026
0.02	0.00	25-May-2026
0.04	0.00	25-May-2026
0.08	0.00	25-May-2026
0.16	0.00	25-May-2026
0.32	0.00	25-May-2026
0.64	0.00	25-May-2026
1.28	0.00	25-May-2026
2.56	0.00	25-May-2026
5.12	0.00	25-May-2026
10.24	0.00	25-May-2026
20.48	0.00	25-May-2026
40.96	0.00	25-May-2026

Refresh

Denomination	Fee	Until
0.01	0.00	26-May-2026
0.02	0.00	26-May-2026
0.04	0.00	26-May-2026
0.08	0.00	26-May-2026
0.16	0.00	26-May-2026
0.32	0.00	26-May-2026
0.64	0.00	26-May-2026
1.28	0.00	26-May-2026
2.56	0.00	26-May-2026
5.12	0.00	26-May-2026
10.24	0.00	26-May-2026
20.48	0.00	26-May-2026
40.96	0.00	26-May-2026

Transfer operations

Every operation in this section may be different by transfer type and is valid for a period of time. The exchange will charge the indicated amount every time a transfer is made.

x-taler-bank

Operation	Fee	Until
closing	0.00	01-Jan-2026
wire	0.00	01-Jan-2026

Wallet operations

Every operation in this section may be different by transfer type and is valid for a period of time. The exchange will charge the indicated amount every time a transfer is made.

Feature	Fee	Until
account	0.00	01-Jan-2026
history	0.00	01-Jan-2026
purse	0.00	01-Jan-2026

PRIVACY POLICY
TERMS OF SERVICE

Return to wallet

Figure A.0.10: Taler Wallet (web extension) showing information for the BOOKZ Exchange

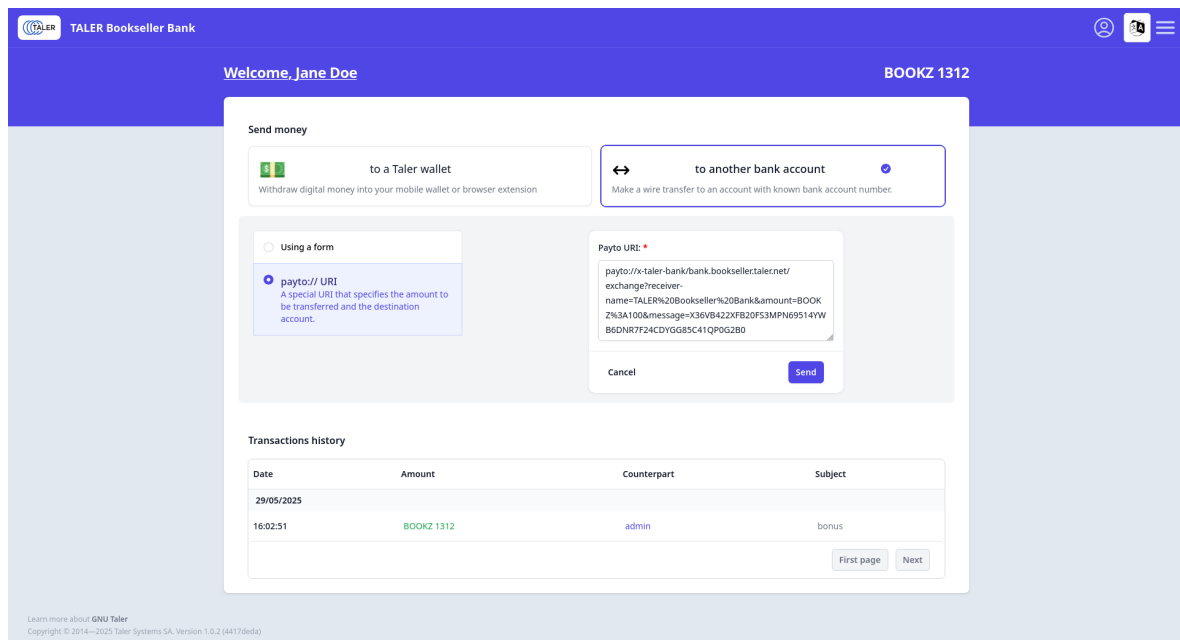


Figure A.0.11: Bank account Jane Doe sends money to the BOOKZ Exchange using a `taler://pay/` link

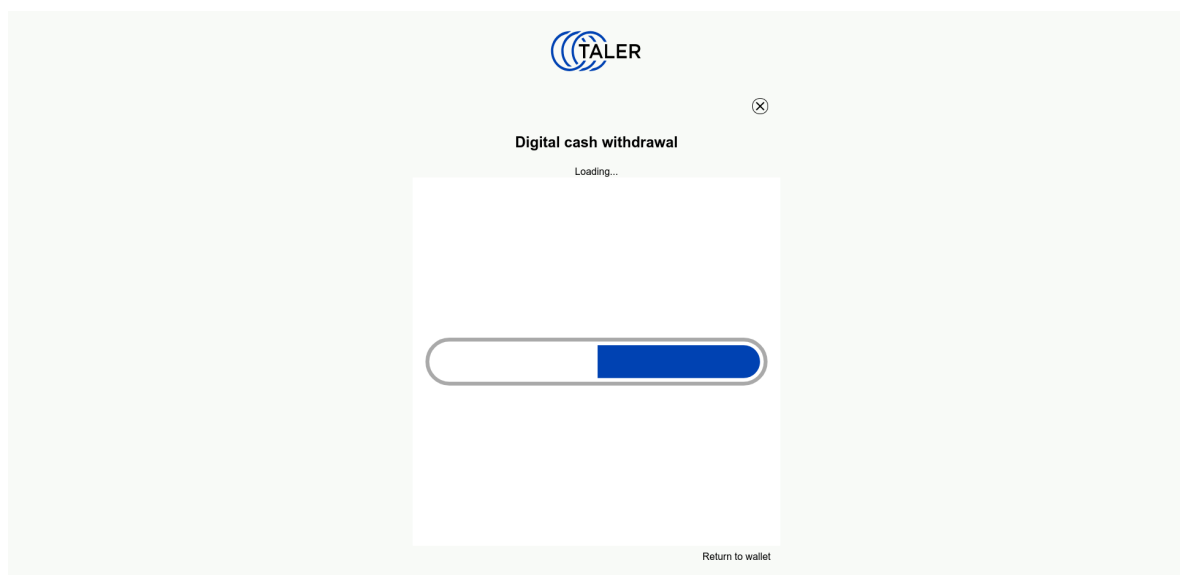


Figure A.0.12: Taler Wallet loading information from Exchange

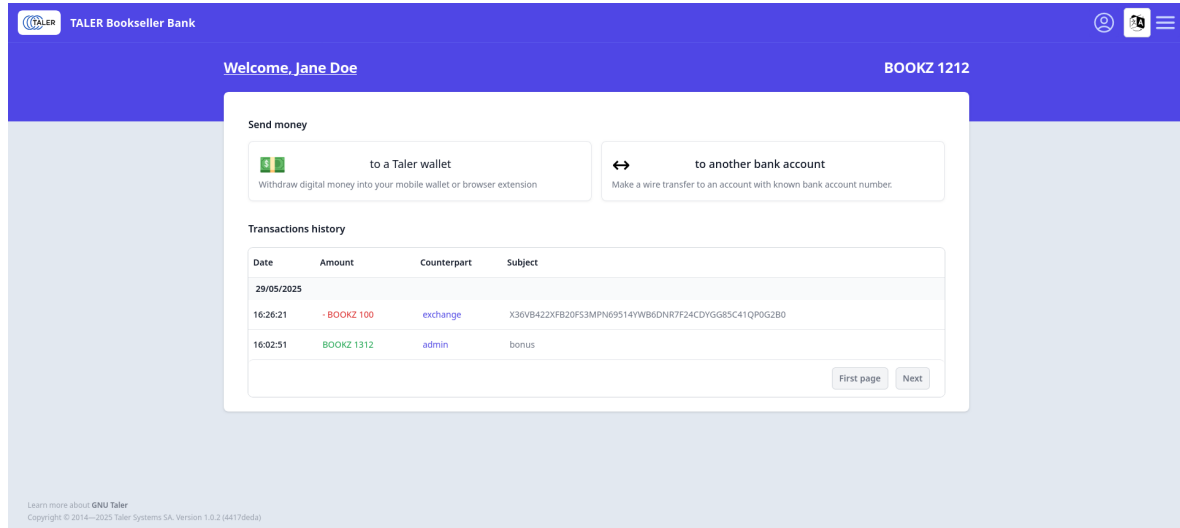


Figure A.0.13: Bank account Jane Doe: the BOOKZ Exchange received money

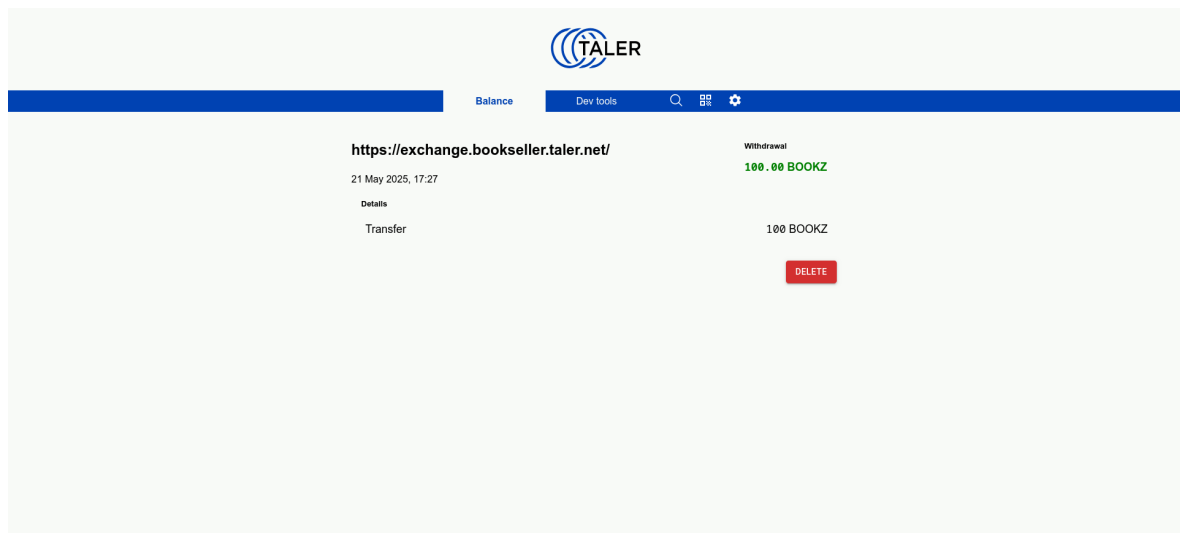


Figure A.0.14: Taler Wallet's balance was updated with the right amount

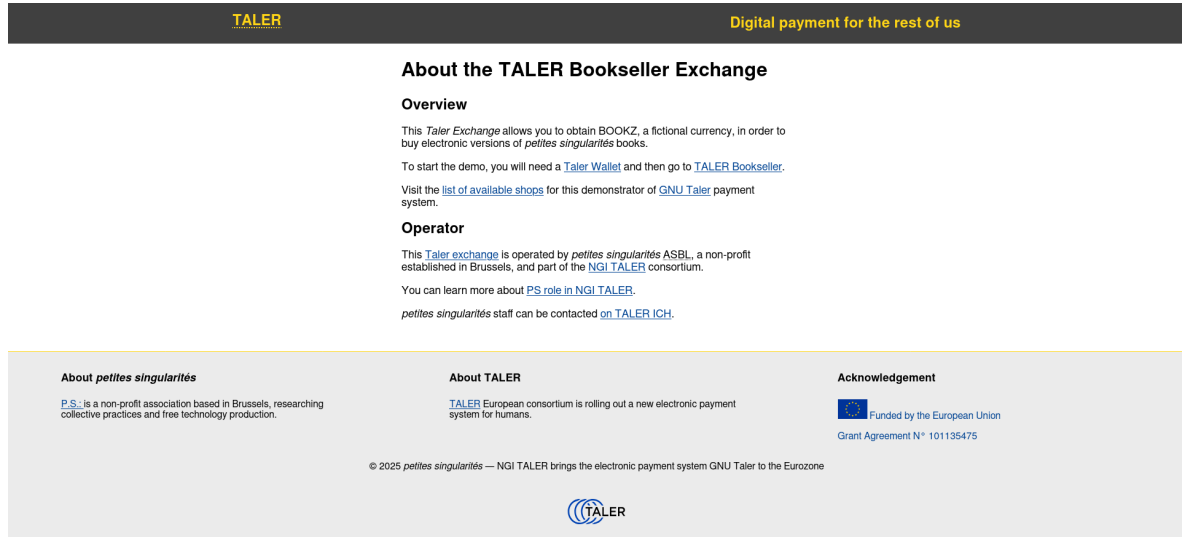


Figure A.0.15: Taler Exchange home page shows Exchange Operator information

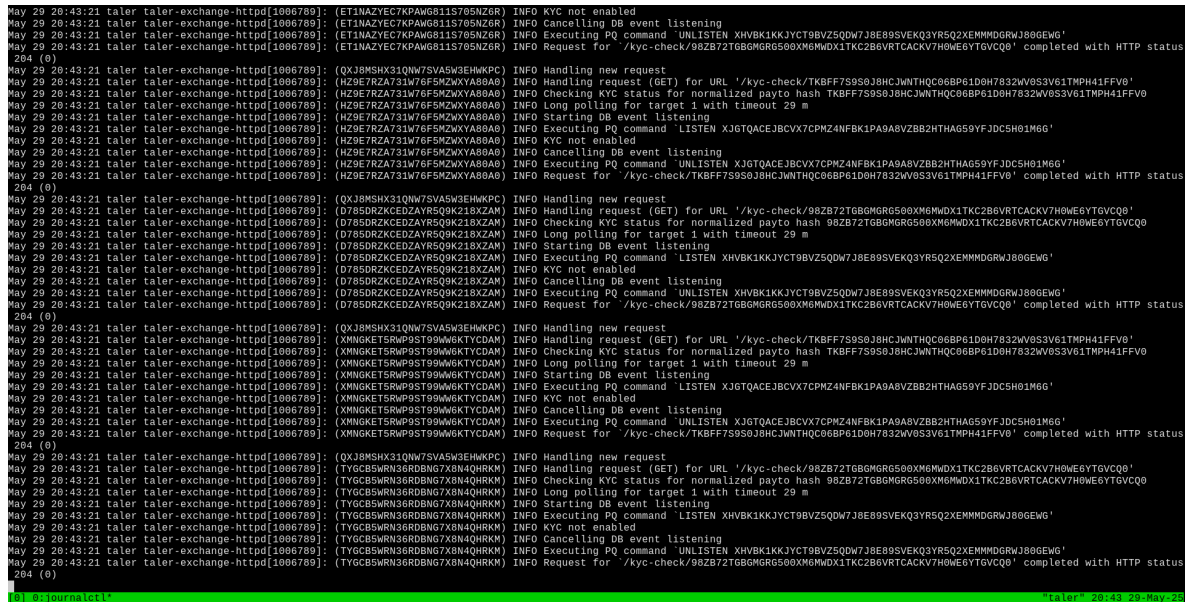
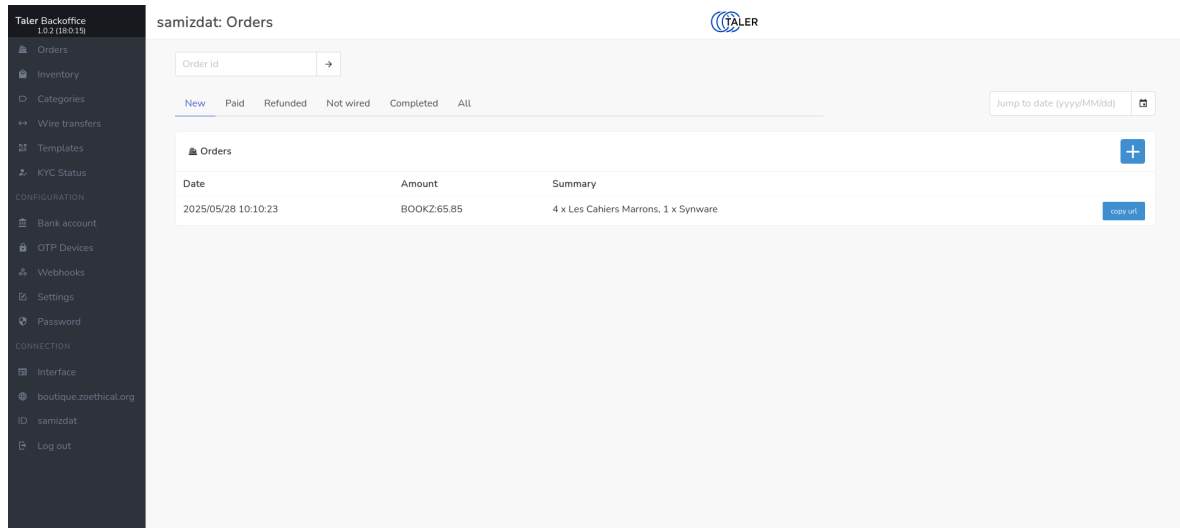


Figure A.0.16: Taler Exchange is running (viewing KYC logs...)

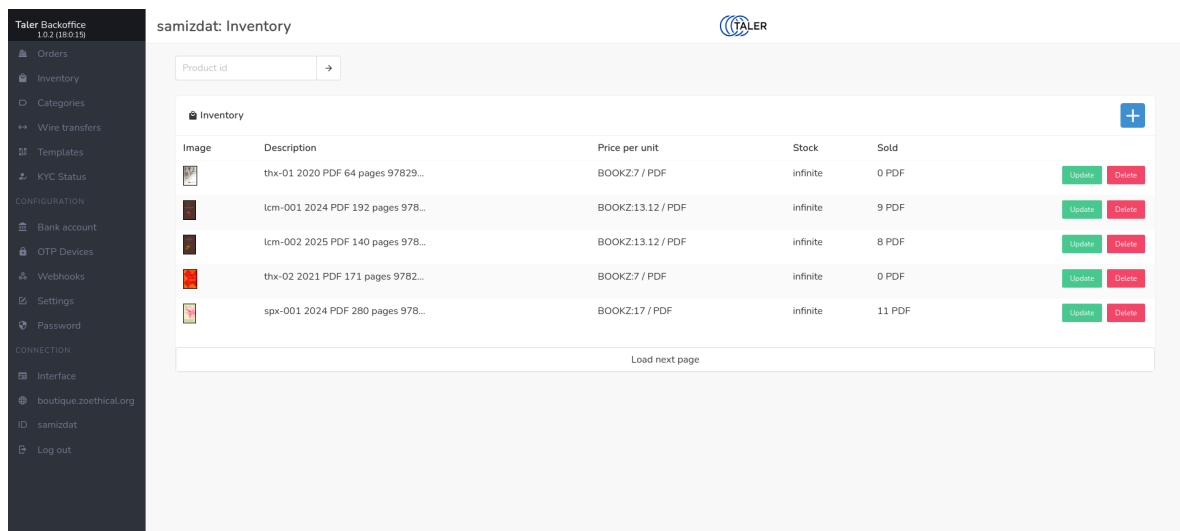


The screenshot shows the 'Taler Backoffice 1.0.2 (18.01.19)' interface. The left sidebar contains navigation links for Orders, Inventory, Categories, Wire transfers, Templates, KYC Status, and CONFIGURATION (Bank account, OTP Devices, Webhooks, Settings, Password). The main content area is titled 'samizdat: Orders' and features a search bar for 'Order id' and tabs for New, Paid, Refunded, Not wired, Completed, and All. A 'Jump to date (yyyy/MM/dd)' filter is also present. The 'Orders' table displays one entry:

Date	Amount	Summary
2025/05/28 10:10:23	BOOKZ:65.85	4 x Les Cahiers Marrons, 1 x Synware

A '+ Orders' button is located at the top right of the table.

Figure A.0.17: Taler Merchant Backend home page

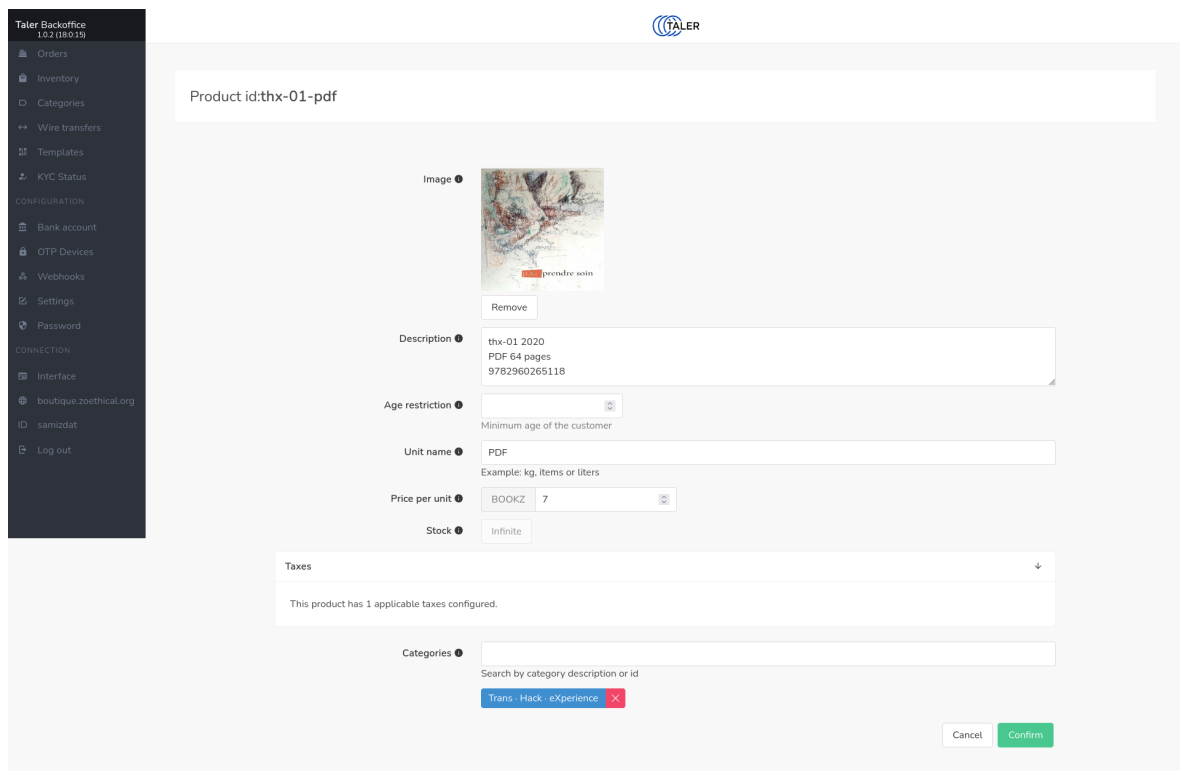


The screenshot shows the 'Taler Backoffice 1.0.2 (18.01.19)' interface. The left sidebar is identical to the previous screenshot. The main content area is titled 'samizdat: Inventory' and features a search bar for 'Product id'. The 'Inventory' table displays a list of products with columns for Image, Description, Price per unit, Stock, and Sold. Each row includes 'Update' and 'Delete' buttons.

Image	Description	Price per unit	Stock	Sold
	thx-01 2020 PDF 64 pages 97829...	BOOKZ:7 / PDF	infinite	0 PDF
	lcm-001 2024 PDF 192 pages 978...	BOOKZ:13.12 / PDF	infinite	9 PDF
	lcm-002 2025 PDF 140 pages 978...	BOOKZ:13.12 / PDF	infinite	8 PDF
	thx-02 2021 PDF 171 pages 9782...	BOOKZ:7 / PDF	infinite	0 PDF
	spx-001 2024 PDF 280 pages 978...	BOOKZ:17 / PDF	infinite	11 PDF

A 'Load next page' button is located at the bottom of the table.

Figure A.0.18: Taler Merchant Backend inventory



The screenshot shows the Taler Merchant Backend interface. On the left is a dark sidebar with a menu containing: Orders, Inventory, Categories, Wire transfers, Templates, KYC Status, CONFIGURATION (Bank account, OTP Devices, Webhooks, Settings, Password), CONNECTION (Interface, boutique.zoethical.org, ID: samizdat, Log out). The main area displays the product configuration for 'Product id:thx-01-pdf'. It includes an image field with a book cover and a 'Remove' button. The description field contains 'thx-01 2020', 'PDF 64 pages', and '9782960265118'. The age restriction is set to 'Minimum age of the customer'. The unit name is 'PDF' with an example 'kg, items or liters'. The price per unit is 'BOOKZ' with a value of '7'. The stock is set to 'Infinite'. A taxes section indicates 'This product has 1 applicable taxes configured.' The categories section has a search bar and a tag 'Trans · Hack · eXperience'. At the bottom right are 'Cancel' and 'Confirm' buttons.

Figure A.0.19: Taler Merchant Backend product view



Figure A.0.20: Testing Taler payment live in Lille

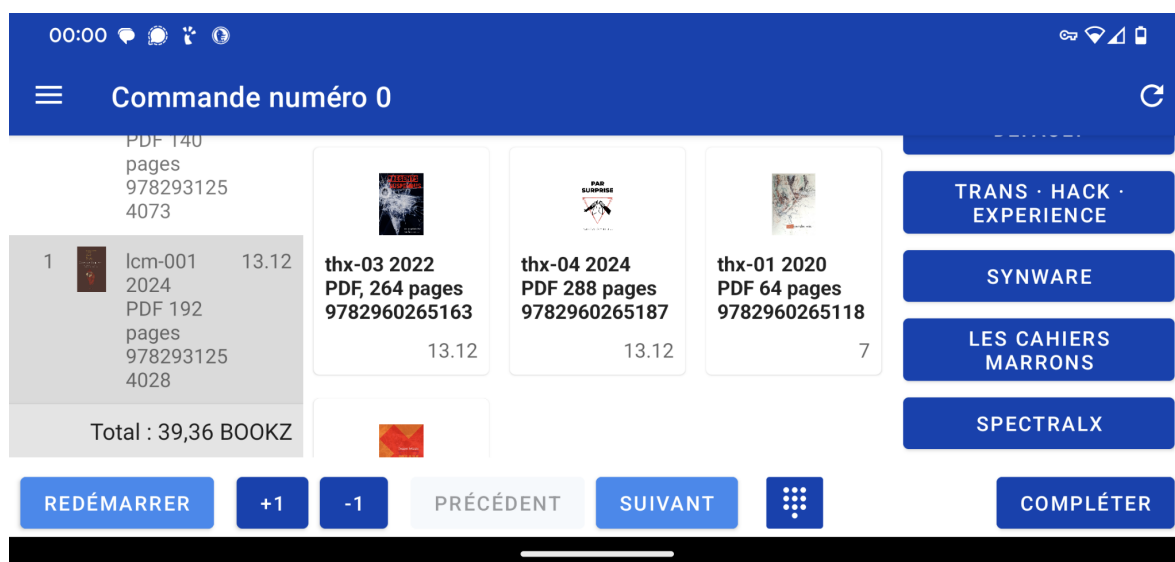


Figure A.0.21: Point of Sale with BOOKZ inventory



Figure A.0.22: Thank you for buying with GNU Taler!

Figure A.0.23: Press Release for D3.2




292 · 4 ms

This topic is only visible to those who can publish shared drafts.

Destination Category

Community Go TALER!

Publish Shared Draft

NGI TALER Bookseller (D3.2)

Community Drafts

 system Happy robot 1 4h

#GoTALER! @TALER@s10y.eu Bookseller demo is out.

Buy #BOOKZ, pay with @Taler@fosstodon.org... "He" won't know what forbidden words you read.

(GNU Taler is a free software electronic payment system that keeps your purchases private.)

bookseller.taler.net

TALER Bookseller Demo

Read the #PressRelease: NGI TALER Bookseller (D3.2) is online!



Buy **BOOKZ**, pay with
TALER
"He" won't know
what you read.




29 May 1 / 1 29 May

4h ago

Reply

1 view

This topic will be published to #gotaler in 2 days.

Share Bookmark Flag Mark unread Reply

Watching You will receive notifications because you created this topic.

New & Unread Topics

Want to read more? Browse other topics in Drafts or view latest topics.

Powered by Discourse

Copyright © 2024 [petites singularités](#) — Funded by the European Union — NGI TALER brings the electronic payment system GNU Taler to the Eurozone

TALER | [Get started](#) — [Site Feedback](#) — [Integration Docs](#) — [Open Calls](#)

Figure A.0.24: Fediverse announcement for D3.2

Appendix B

Final Considerations

The TALER Bookseller is successfully launched by PS, and it will be updated as Taler payments become available in parts of Europe.

The BOOKZ currency showcases that Taler can be used as a viable payments solution, with proper care for anonymity and security of its users, both as merchants and as buyers and that PS has the payment system fully integrated.

The Bookseller implementation also brought attention to the need for documentation updates, making it even easier for other TALER integrations. The independent publishing community is central to the project and the Bookseller implementation can now be reused by other merchants. It is also used by Open Call Grantees who want to test against a production-ready system.