



# demblock

## TERMINAL

DemBlock Terminal V2

<https://demblock.com>

The DemBlock Terminal is a layered environment consisting of three layers. It is a global sourcing platform and an aggregator of buyers (traders), sellers (suppliers) and DeFi liquidity providers. On the top it works like Alibaba, connecting buyers and sellers globally. On the 2nd layer it is a DeFi platform providing a staging ground for buyers looking for a financing in crypto and for DeFi liquidity providers offering crypto financing as well as advertising of sale of their open claims positions to interested parties.

The DemBlock Terminal offers users the possibility to list, advertise, discover, retrieve, and display DeFi contracts and documents that are notarized on the Ethereum blockchain and globally connect buyers, suppliers and DeFi liquidity providers. The DemBlock Terminal helps you explore a huge and rapidly expanding universe of DeFi information and gives you powerful new capabilities for interacting with that information.

### **How does the DemBlock Terminal work and how does it offer possibility for everybody to participate in DeFi and earn yields?**

In order to access the DeFi space for common assets like a cargo of bananas being shipped from Costa Rica to Europe or a shipment of sugar cane traded between a company in the Dominican Republic and Sweden, it makes no sense to wait for the fully tokenized world economy, which probably will never happen.

Therefore the DemBlock Terminal approach provides a solution that covers more asset classes than synthetic asset providers. We offer a seamless integration between the tokenized DeFi and the world trade and businesses as they are today, nearly thoroughly untokenized.

### **Under the hood**

Via the DemBlock Terminal you can tokenize/notarize a DeFi agreement on the blockchain. This translates to a seamless merger between the tokenized DeFi universe and non-tokenized aspects of the real business world.

### **Why this approach is a suitable way to integrate classic trade and DeFi?**

Business contracts, especially those having agreed upon reliable arbitrage courts like those on New York, London, Switzerland, are enforceable globally, even more if they are notarized on the blockchain, an aspect providing an additional layer of trust, reliability and goodwill in the global trade. We here are intentionally moving away from the maximalist DeFi dream of having a completely decentralized global financial system.

### **Why this approach is new?**

- The starting point is suppliers, buyers and DeFi liquidity providers registering on the DemBlock Terminal. In order to advertise their products, they list these on the DemBlock Terminal using the DemBlock token „Dbto1“ to pay for the listing.

- Buyers have the option to finance their business activities in crypto by selling a stake in a particular trade or business itself and/or by obtaining a crypto loan from a DeFi liquidity provider and notarize this contract on the blockchain by using the DemBlock Terminal engine.
- The DeFi liquidity providers can advertise their services on the DemBlock Terminal and attract attention and demand from buyers looking for a DeFi solution.
- DeFi liquidity providers can advertise on the DemBlock Terminal also the offering of their DeFi open claims and other DeFi contracts for sale.
- Buyers can search the DemBlock Terminal for DeFi liquidity provider services.

### Example

Tim has a small trading company importing skateboards from China to the UK. He registers as a buyer on the DemBlock Terminal. Shortly afterwards he finds there a suitable supplier of skateboards from Shanghai. Due to a recently increased demand for a certain type of skateboards he decides to double his order volume.

- 1) BUT: In order to get a higher loan from his bank he has to wait 3 weeks for the loan application process to be finalized.
- 2) Tim does not have three weeks to wait, due to the fact that his supplier in Shanghai already has enough demand to sell all his production immediately. He notifies Tim that he has to move to another potential buyer of his skateboards if Tim cannot pay the order in the next 5 days. Therefore waiting for the bank to process his loan application for 3 weeks is not acceptable for Tim.
- 3) Therefore he posts an advertisement on the DemBlock Terminal stating that his company is looking for a short term crypto loan in Ethereum.
- 4) Brian from Hong Kong, a DeFi liquidity provider having 100ETH to invest, responds to Tim's ad.
- 5) Tim and Brian start negotiating on the DemBlock Terminal Instant Messenger.
- 6) They agree on the following terms: Tim gets 100ETH liquidity from Brian for a timespan of two months. The collateral for this deal is Tim's company Bill of Lading for the additional quantity for skateboards. The contract is signed by both parties, scanned and uploaded via the DemBlock Terminal to the Ethereum blockchain. In this contract Brian agreed to provide Tim with 100ETH liquidity for a time span of 2 months. Tim promises to pay back a summa summarum of 107ETH after the expiration of these two months without delay.
- 7) A couple of days later Brian browses the DemBlock Terminal and sees another ad from a company in Dubai looking for a 2 months 100ETH trade loan and willing to pay back 111ETH after the expiration of these two months, but Brian has no liquidity left to invest.
- 8) Therefore Brian himself posts an ad on the DemBlock Terminal offering his open claims towards Tim's company for sale.
- 9) Chad, a DeFi liquidity provider from Macao, sees Brian's ad and offers him 105ETH for the Tim-Brian-107ETH-DeFi-loan. Brian accepts Chad's offer and sells, thus making a profit of 5ETH from his contract with Tim and becoming liquid again. The Chad-Brian-105ETH-contract-for-the-sale-of-the-Tim-107ETH-DeFi-loan is signed by Chad and Brian and then uploaded via the DemBlock Terminal to the Ethereum blockchain. Brian notifies Tim that his company is now owing 107ETH to Chad, a fact Tim can check by surfing the Ethereum blockchain by using a hash provided by Brian. This way, only Brian, Tim and Chad can see the details of the Chad-Brian-contract. Nevertheless the sale price between Chad and Brian, which should stay a business secret, is written in a separate contract, signed, scanned and uploaded to the Ethereum Blockchain where Tim without the hash number cannot find the details, which Brian and Chad do not want to disclose due to the fact that this is a trade secret, not meant for the public, even if accessible on the blockchain.

Further there is an option to encrypt documents on the blockchain by using a strong password, where everybody who has the hash number can find the document but not open it without that password set up by the contracting parties. This feature is especially useful for contracts using the notarizing on the Ethereum blockchain, but at the same time wishing to keep secrecy for the contracting parties and their contractual details, mostly where trade secrets like sensitive pricing models are involved.

- 10) At the end, how does Tim know whom to pay back his loan? Every further purchaser of the debt has in his contract all the previous hashes of the previous contracts included, so when Chad presents the contract Brain-Chad to Tim, Tim can trace back this contract to his initial contract with Brian.

**Every sale of open claims produces two types of documents being uploaded to the blockchain:**

A) the contract of sale of open claims which is accessible to everyone having the hash

B) a second document which is encrypted by a password containing sensitive trade secrets and which can only be accessed by knowing the hash plus the password. Tim has only the hash of the sale contract without the sale price.

The core of the DemBlock economy model lies in the use of the DemBlock Terminal. The DemBlock Terminal utilizes DemBlock tokens as the only tool of payment for services offered. The DemBlock token is an Ethereum based ERC-20 token. The DemBlock token is used on the DemBlock Terminal for paying the product listing fees in the product database and the corporate and sourcing verification on the blockchain as well the notarization of DeFi contracts.

Reliable and trustful DeFi Terminals are deemed to be the vital infrastructure of the DeFi universe and the global trade. We are striving to improve the reliability and the trustfulness by utilizing a state-of-the-art blockchain technology combined in a way that has not been accomplished before with traditional product listing Terminals.

Although there have been many approaches focusing on improving the DeFi universe, the global supply chain, and especially sourcing quality management, none Terminal ecosystem has achieved this yet.

By utilizing blockchain based technologies we are striving to solve these problems. Through the use of unmodifiable properties of the blockchain our system enhances the credibility of various paper-based information, certificates and photos uploaded to the internet.

The blockchain based approach that has been developed by DemBlock for the DemBlock Terminal strives to solve two of the biggest problems in the DeFi universe, modern global sourcing and supply chain management.

These are the information asymmetry as well as information inconsistency faced by buyers, suppliers and DeFi liquidity providers. Our blockchain based approach to minimize these problems will result in making the supply chain heterogeneity more transparent and more predictable, as well as increase the transparency considering the supplier. In addition to that our Terminal model will increase the mutual confidence between DeFi liquidity providers, buyers and suppliers.

The DemBlock Terminal also provides an instant messenger for partners to communicate.

All current Terminals offering a range of products only employ classic text and picture upload options, which can be altered and updated without any obstacles, thus making it possible to change information at will without leaving a trace of these alterations. All these information cannot be verified without a third party.

In order to be able to list products or to buy products, users have to register on the DemBlock Terminal as suppliers, buyers or both. DeFi liquidity providers register as suppliers.

**REGISTRATION**

EMAIL

YOUR NICKNAME OR YOUR COMPANY NAME

FIRST NAME

LOCATION

ANDORRA
▼

LAST NAME

YOUR WALLET ADDRESS FROM WHICH YOU ARE GOING TO PAY USING DEMBLOCK TOKENS

PHONE

PASSWORD

.....

CONFIRM PASSWORD

Please retype your password

I AM A:

☐

PRODUCT SUPPLIER OR DeFi LIQUIDITY PROVIDER

☐

LOOKING FOR PRODCUTS AND DeFi SOLUTIONS

☒

BOTH - RECOMMENDED TYPE OF REGISTRATION

ENTER TEXT FROM IMAGE

CONFIRM

If you are not registering as a company but as an individual trader or individual DeFi liquidity provider, write your nickname instead of company name.

If you do not want to provide your telephone number, just type 0 in the phone number section.

After the registration go to your dashboard - and fill the forms with other relevant information if you like.

You can conduct DeFi contract notarization as well as supplier and product verification on your dashboard.

By pressing the CONFIRM button you confirm that the DemBlock business model is allowed without any licences in your local jurisdiction and that you dont need any licences to interact via the Terminal and that you waive any rights to hold DemBlock responsible for any damages of any kind you may encounter by using the Terminal.

After registering, suppliers or those registered as both - beside the classic dashboard for corporate information - have the possibility to notarize DeFi contracts, as well as corporate and sourcing data on the blockchain.

Below is the screenshot of the DeFi contracts notarization as well as corporate and sourcing verification form inside the dashboard section.

HERE YOUR CAN NOTARIZE DEFI CONTRACTS, SOURCING OR CORPORATE INFORMATION ON THE BLOCKCHAIN

**NAME OF DOCUMENT OR PHOTO**

**DETAILED DESCRIPTION**

Enter detailed description of the document or photo which is going to be notarized on the blockchain. This description as well as the photo or document you choose will be stored as decentralized immutable information on the blockchain for an infinite period of time.

**UPLOAD ONE DOCUMENT OR ONE PHOTO**

No file chosen

**VERIFICATION TYPE**

**PRODUCT SOURCING VERIFICATION** IS PARTS, COMPONENTS AND/OR RAW MATERIALS SOURCING INFORMATION. IN THIS SECTION YOU AS A COMPANY CERTIFY THAT A CERTAIN COMPONENT, RAW MATERIAL AND/OR PART YOU USE IN YOUR PRODUCTION PROCESS HAS ITS ORIGIN, QUALITY AND PROPERTIES AS ASSERTED.

**DEFI CONTRACTS NOTARIZATION - CORPORATE VERIFICATION** STANDS FOR - AMONG OTHERS - DEFI LOAN CONTRACTS, DEFI SALE OF STAKE IN CORPORATE ENTITY, CONTRACT OF (RE)SALE OF DEFI OPEN CLAIMS, DEFI LOAN COLLATERAL CONTRACT, A CERTIFICATE OF QUALITY, A PICTURE OF THE FACTORY SITE, THE CERTIFICATE OF INCORPORATION, TRADEMARK OWNERSHIP CERTIFICATE, A DOCUMENT ASSERTING THE HEADQUATER'S ADDRESS, A PICTURE OF THE MACHINERY USED IN THE PRODUCTION PROCESS, AN ENVIRONMENT PROTECTION CERTIFICATE, A PHOTO PROVING THAT THE FINISHED GOODS ARE STORED AS ASSERTED OR ANY OTHER INFORMATION WHICH MAY BE USEFULL TO INCREASE YOUR COMPANY'S REPUTATION TOWARDS YOUR CUSTOMERS.

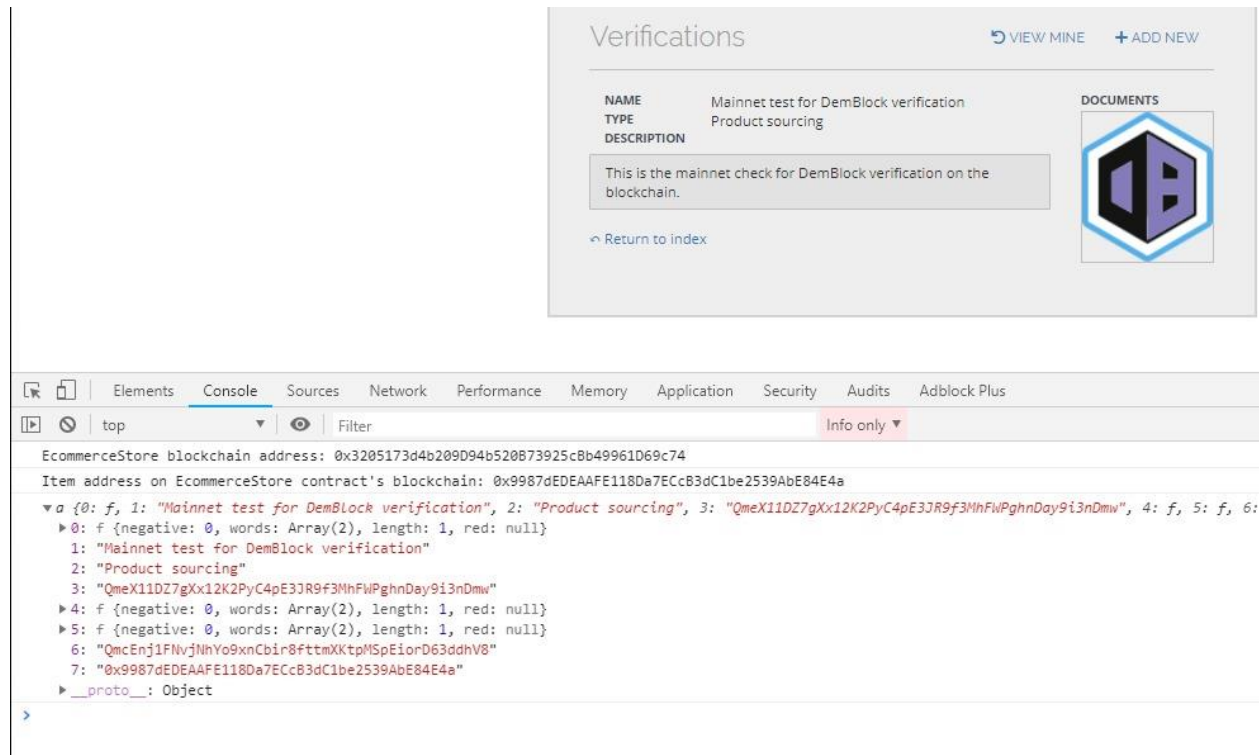
BY UPLOADING THIS INFORMATION IMMUTABLY FOR AN INDEFINITE PERIOD OF TIME TO THE BLOCKCHAIN, YOU AS A COMPANY CERTIFY THAT THIS INFORMATION IS GENUINE AND ACCEPT THAT DECENTRALIZED INFORMATION ON THE BLOCKCHAIN BY ITS NATURE CANNOT BE TAMPERED WITH. CHANGE TO THIS INFORMATION WILL ALSO BE NOTARIZED ON THE BLOCKCHAIN, WHEREAS YOUR CUSTOMERS WILL BE ABLE TO RETRIEVE THE CHANGES THAT HAVE BEEN MADE TO THIS INFORMATION.

THIS COMPARISON OF OLD AND NEW INFORMATION IS NOT SUSCEPTIBLE TO MANIPULATION DUE TO THE FACT THAT EVERYTHING IS RECORDED IMMUTABLY ON THE BLOCKCHAIN.

PLEASE CHOOSE BELOW WHETHER THE VERIFICATION YOU HAVE CONDUCTED IS A SOURCING OR CORPORATE VERIFICATION.

**VERIFY ON THE BLOCKCHAIN**

After the successful verification on the blockchain, the verification is visible on the dashboard. The verification includes a name of the document, type of the verification, a detailed description and an uploaded document or picture. In this sample we used our logo as the document to upload to the blockchain.



After the supplier finishes his verification, he has the option to immediately see that the data has been notarized on the blockchain by clicking on the right mouse button. The console section emerges showing several lines of data.

- 1.Name of the document
- 2.Type of verification: Corporate or sourcing verification
- 3.Hash for the verification name
- 6.Hash of the uploaded document or picture
- 7.Item address on contract's blockchain

After that by using the hash of the verification name in the search form of [www.etherscan.io](https://www.etherscan.io) we obtain the proof that the verification has been notarized on the blockchain in the form of the transaction hash of the verification including the input data section displaying the name of the document.

Overview

Event Logs (3)

Comments

Transaction Hash:

0x0c92708ae59bc74fbd59b67649415a044e328743199fa420a6a2dc846a341216

Status:

Success

Block:

7216675

15 Block Confirmations

TimeStamp:

6 mins ago (Feb-13-2019 09:00:07 PM +UTC)

From:

0x9987dedeaaf118da7ecb3dc1be2539abe84e4a

To:

Contract 0x3205173d4b209d94b520b73925cbb49961d69c74

Tokens Transferred:

From 0x9987dedeaaf118... To 0x1238ef7e752c795... For 20 ERC-20

Value:

0 Ether (\$0.00)

Transaction Fee:

0.001779605 Ether (\$0.22)

Gas Limit:

463,651

Gas Used by Transaction:

355,921 (76.76%)

Gas Price:

0.000000005 Ether (5 Gwei)

Nonce

Position

386

71

Input Data:

7\_Üü &Mainnet test for DemBlock verificationProduct sourcing.QmeX11DZ7gXx12K2PyC4pE3JR9f3MhFwPghnDay9i3nDmw.QmcEnj1FNvjNhYo9xnCbir8fttmXKtpMSPeiorD63ddhV8


View Input As

Click to see





By clicking on the product listing, the details page opens.



COMPANY PROFILE	DemBlock Cayman Islands
PRODUCT CATEGORY	Computer Hardware & Software
SUBCATEGORY	Software
SHIPPING FROM	Cayman Islands CI

**AD VALID FROM - TO**  
 14.02.2019 - 16.03.2019

[www.demblock.com](http://www.demblock.com)

[CONTACT SUPPLIER](#)
[TAG PRODUCT](#)


This is a sample product listing for the whitepaper.

BUYERS MAY CHECK WHETHER A SUPPLIER HAS CORPORATE AND SOURCING VERIFICATION ON THE BLOCKCHAIN BY CLICKING ON "COMPANY PROFILE" IN THE UPPER RIGHT CORNER.

In order to check whether a supplier has corporate and sourcing verification, the user should click on the "Company profile". In case the supplier indeed has corporate and sourcing verification on the blockchain, a section like this one will appear next to the classic corporate information.

## Verifications

[VIEW MINE](#)
[+ ADD NEW](#)

<b>NAME</b> <b>TYPE</b> <b>DESCRIPTION</b>	Mainnet test for DemBlock verification Product sourcing <div>                     This is the mainnet check for DemBlock verification on the blockchain.                 </div>	<b>DOCUMENTS</b> 
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What types of listings are possible on the DemBlock Terminal?

**SUPPLIERS:**

- List products they are offering for sale

**BUYERS:**

- Search products listed by suppliers for sale
- Search DeFi liquidity providers offering crypto financing
- List their need of DeFi solutions

**DeFi LIQUIDITY PROVIDERS:**

- List their offering of DeFi solutions
- Search listings of buyers looking for DeFi funds
- List their open claims for sale or refinancing
- Some larger DeFi liquidity providers may offer smaller DeFi investors smaller portions of their open claims.
- DeFi liquidity providers can beside offering their open claims for sale also borrow against these contracts and thus offer them as a collateral.

Product listings expire and get delisted after the selected time period expires - which optionally can be relisted for the below mentioned fees again – whereas DeFi contracts, corporate and sourcing verification is paid only once to get notarized as decentralized information on the blockchain immutably for an infinite period of time.

Corporate and sourcing verification and DeFi contracts notarization fees are 20 DemBlock tokens per verification/notarization. Each verification/notarization allows text description and one page or picture upload to the blockchain. Payment of the corporate and sourcing verification and DeFi contracts notarization on the blockchain is done f.e. via Metamask. When you access your dashboard section on the DemBlock Terminal, make sure you are logged on your Metamask account. After filling the verification form and clicking on "Verify on the blockchain" Metamask transaction confirmation will pop up, where you can confirm your transaction.

Our listing packages are: Prime, Selected and Classic listings. They all include the same extent of product listing features, but are very different considering their visibility on our Terminal. Prime listings are always visible directly without search on the landing page on the top. After them the Selected listings are listed on

the landing page. The Classic listings are only visible as results to direct searches in our product search engine. The payment of the product listing is done on a prepaid basis.

Please send DemBlock tokens from the wallet address you registered with to this address: 0x1238eF7E752c7956E9bDDf1aa9e0262B5811E285. Minimum amount is 100 DemBlock tokens. After that the DemBlock tokens will be added to your account. You will get an automated notification email.

Listing type	Listing time in days	Listing price in DemBlock tokens
<i>Prime listing</i>	15	20
<i>Prime listing</i>	30	30
<i>Prime listing</i>	40	40
<i>Selected listing</i>	30	25
<i>Classic listing</i>	30	10
DeFi solutions, as well as corporate and sourcing verification	infinite	20

Nevertheless, prior listing your product we recommend to verify your corporate details and sourcing information on the blockchain, which can - with our tokens - seamlessly be done directly in the "MY DASHBOARD" section. Thus you as a seller will increase trust and transparency towards your customers.

For any listing with the DemBlock tokens of a product listing or a DeFi contract, corporate or sourcing verification on the DemBlock Terminal, a minor gas fee in ETH will be charged.

## LISTING FEES

These listing fees feature product listing services on our terminal as well as optional DeFi contract notarization, corporate and sourcing verification on the blockchain.

Product listings expire and get delisted after the selected time period expires - which optionally can be relisted for the below mentioned fees again - whereas DeFi contract notarization, corporate and sourcing verification is paid only once to get notarized as decentralized information on the blockchain immutably for an infinite period of time. Both services - the product listing as well as the corporate and sourcing verification only can be paid with our tokens.

More information about DeFi contract notarization, corporate and sourcing verification can be found in the "MY DASHBOARD" - VERIFICATION section. Payment of the corporate and sourcing verification on the blockchain is done f.e. via Metamask. When you access your dashboard section on the DemBlock marketplace, make sure you are logged on your Metamask account. After filling the verification form and clicking on "Verify on the blockchain" Metamask transaction confirmation will pop up, where you can confirm your transaction with 20 DemBlock tokens per verification and a small ETH gas fee.

Our product listing packages are: Prime, Selected and Classic listings. They all include the same extent of product listing features, but are very different considering their visibility on our marketplace. Prime listings are always visible directly without search on the landing page on the top. After them the Selected listings are listed on the landing page. The Classic listings are only visible as results to direct searches in our product search engine. The payment of the product listing is done on a prepaid basis. Please send DemBlock tokens from the wallet address you registered with to this address: 0x1238eF7E752c7956E9bDDf1aa9e0262B5811E285. Minimum amount is 100 DemBlock tokens. After that the DemBlock tokens will be added to your account. You will get an automated notification email.

Nevertheless, prior listing your product we recommend to verify your corporate details and sourcing information on the blockchain, which can - with our tokens - seamlessly be done directly in the "MY DASHBOARD" section. Thus you as a seller will increase trust and transparency towards your customers.

### DeFi SOLUTIONS & VERIFICATIONS

20

The fee is 20 tokens per notarization or verification

- DeFi contract notarization
- Corporate verification
- Sourcing verification
- Multiple verifications offered
- Upload one page per verification or notarization

Complete Package

### Prime

20

LISTING FEES

- 20 tokens for 15 days
- 30 tokens for 30 days
- 40 tokens for 40 days
- Most visible listing

Good Deal

### Selected

25

LISTING FEES

- 25 tokens for 30 days
- Listed below Prime listings
- Suitable for companies with multiple products
- Listing duration 30 days

Optimal Listing Fees

### Classic

10

LISTING FEES

- 10 tokens for 30 days
- Listing only visible in search result list
- Not listed on landing page
- Very competitive listing price

Most Affordable Listing

## THE DEMBLOCK TOKEN

- The DemBlock token - fixed non-mineable, already minted to the end - total supply is 2,300.000.