



*ORIGAMI*  
Network

# Origami Network

*Whitepaper v1.1*

*12-19-2017*

<http://ori.network>

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# I. Executive Summary

This whitepaper will provide all the information about our all-in-one marketplace platform and decentralized payment solution: Origami Network.

Origami Network is based on 3 self-sufficient platforms: Origami Marketplace & Origami Payment & Origami Review. In this whitepaper we will give you details on these 3 **complementary platforms and the future ICO**.

The hard cap of our future ICO is 5.000 ETH. Fifty millions tokens are in existence, of which 30.000.000 (60%) will be sold during our ICO, 5.000.000 (10%) will be set aside for our bounty campaign and 15.000.000 (30%) will be held by the company.

The collected funds will be used for product development, marketing and legal fees. Unsold tokens will be burned.

You can follow our project on: <http://ori.network>.

## II. Origami Network

Origami network is Blockchain-Powered global solution to build decentralized online marketplaces with blockchain-based escrow payments

We created three complementary solutions:

- Origami Marketplace
- Origami Payment
- Origami Review

***“Origami Network is a “full-stack” blockchain-enabled marketplace solution based on several self-sufficient products.”***

- **Origami Marketplace**

This is the easiest way for a business to create its online marketplace. Origami Marketplace is an all-in-one platform for buying and selling goods or/and services online. We will give you more details in this whitepaper below.

- **Origami Payment**

A decentralized payment system called Origami Payment, which is powered by the Ethereum blockchain, and ORI, an ERC20 compatible token. It greatly enhances the buying/selling process with decentralized escrow for secure payments, third party dispute resolution, and very low transaction costs

Origami Payment can be integrated into new or existing marketplaces and can also be used in marketplaces that don't directly handle payments yet. Origami Payment is designed specifically for P2P marketplace transactions where trust between the buyer and seller may be limited.

This is a payment solution developed for both e-commerce and/or online marketplace businesses that want to add a decentralized payment with escrow on the blockchain. We will give to our customers an escrow payment service with very low fees compare to other classic systems (without blockchain and smart contracts)

Origami payment will accept Bitcoin, Ethereum and Origami tokens and other crypto currencies in the future.

The main differences with classic escrow payments are the possibilities with the power of the **Ethereum smart contracts** technology to automatize the escrow payments management without relying on a third party to control the money and lower fees than other escrow systems.

- **Origami Review**

User reviews have a dramatic impact on the level of trust on marketplaces.

Research proves that one negative review from a buyer (justified or not) correlates with an average decrease of the growth of a specific seller's weekly sales from +5% to -8%.

This explains sellers could be tempted to manipulate reviews, poste fake ones or delete others.

This is a **major challenge of marketplaces as they scale** (the infamous 5 stars problem with a uber driver)

Origami Review will solve this major problem with a blockchain-powered review system.

Any review will be authenticated, and solely users who had actually been through a prior transaction would be able to post reviews by signing reviews with their own private key before posting them.

A smart contract from Origami Review will then authorize the reviews from buyers. This will solve the review problems that all marketplaces have as they scale.

**Origami Reviews will decentralized the reviews management and organize the reputation management of sellers on any marketplaces**

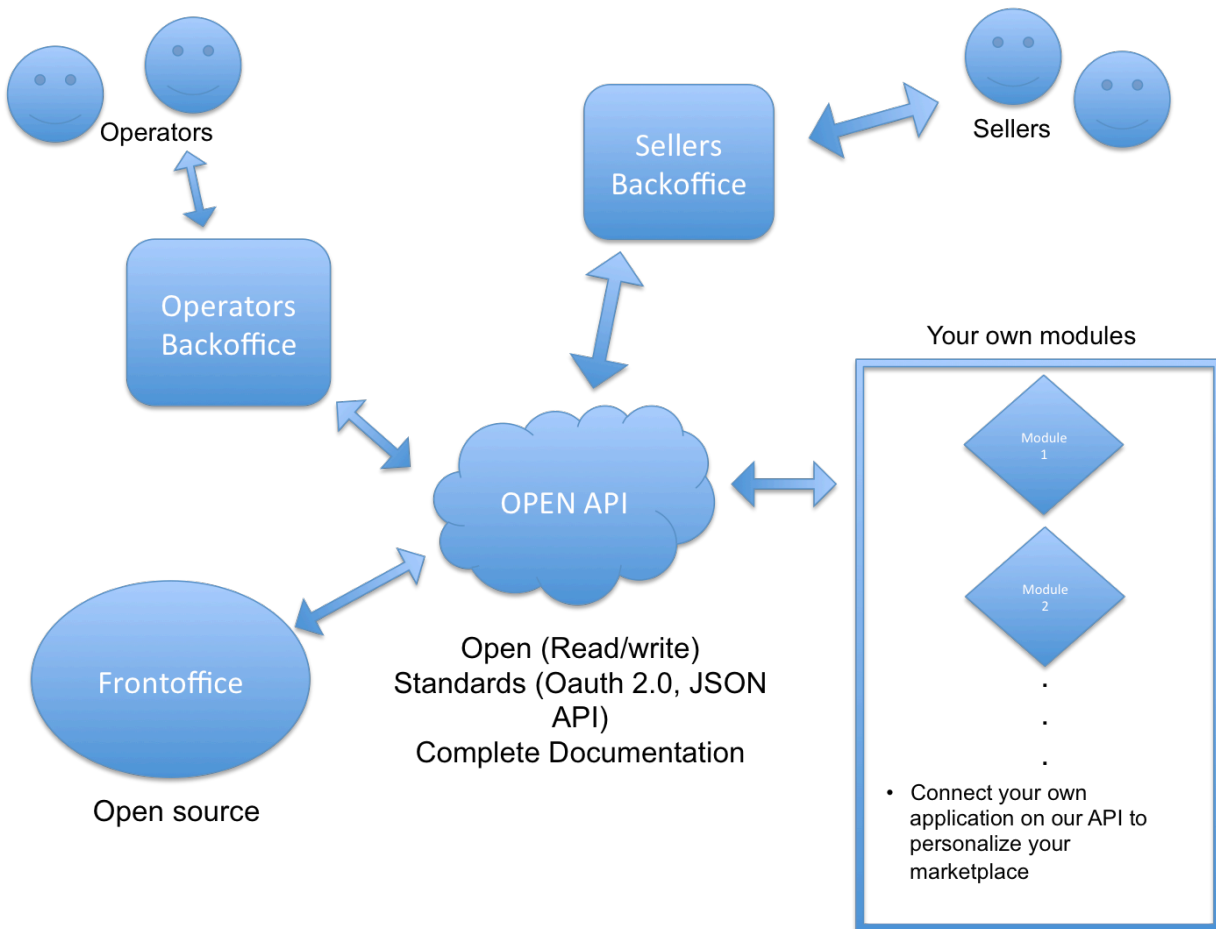
# 1. Origami Marketplace

## i. What is it?

Origami Marketplace is the easiest way to create your own marketplace.  
**Create your beautiful online marketplace with our all-in-one platform.**

Our solution is based on 4 modules:

- The core API: RESTFUL API
- Front-office: Open-source
- An administration portal for sellers
- An administration portal for operators



## ii. Origami Marketplace features

Below are the main features of Origami Marketplace.

<b>Front-office</b>	Catalog (products or services)	List of products or services
		Product/service information
		Catalog for each sellers
		Faceted browsing
		Search engine
	Buying process	Multi-vendor basket
		Customer login
		Shipping and invoicing
		Promotions
		Order recap
	Multi languages	Multi languages
	Customer accounts	Sign up / log in
		Order tracking and history
After-sales		

<b>Sellers backoffice</b>	Catalog management	Adding/editing products/services
		Products/services feeds
		Offers and storage management
	Shipping management	Carriers management
		Tracking information management
		Shipping costs management
	Order management	Orders management
		Products/services return management
	Data management	Catalog export
		Order information export
		Customer information export
	After-sales management	After-sales management
	Indicators	Dashboard and KPI
		Customer satisfaction
	Commercial management	Coupons management

<b>Operator backoffice</b>	Configuration	Parameters management
		Carrier management (Express, normal...)
	Users management	Users and roles management
	After-sales service	Vendors / buyers
		Notifications system
	Payments and invoices	Payment management
		Taxes management
	Sellers management	Vendor access management
		Orders management
	Vendors	Vendor rating
	PIM	Categories management
		Properties management
		Variations management
		Products/services validation
	Accounting management	Invoicing management
		Accounting management
Commissions and subscriptions management		
Dashboard	Dashboard	
	Order indicators	
	KPI	
	Sellers and products rating	

<b>API features</b>	Data	Import/export
		Connection to feeds
	Web hooks	Connection to alerting systems (Texts, emails, slack..)
	Multi-sellers	A product can be sold by several sellers
	Payments	Escrow payments
		Escrow payments on the blockchain with Origami Payment
Security	HTTPS + OAuth 2.0	

### iii. Origami Marketplace pricing

Here is the pricing. **We do not have setup fees.**

<b>Pricing / Month Billed every 6 months</b>	<b>Pricing / Month Billed monthly (+15%)</b>	<b>Transactions per month</b>
500 €	573.85 €	Up to 500
990 €	1 138.5 €	Up to 1 000
1 990 €	2 289 €	Up to 2 500
2 990 €	3 439 €	Up to 4 000
3 990 €	4 589 €	Up to 6 000
4 990 €	5 739 €	Up to 10 000
5 990 €	6 889 €	Up to 15 000
On quotation	On quotation	> 25 000

## iv. Origami Marketplace Overview

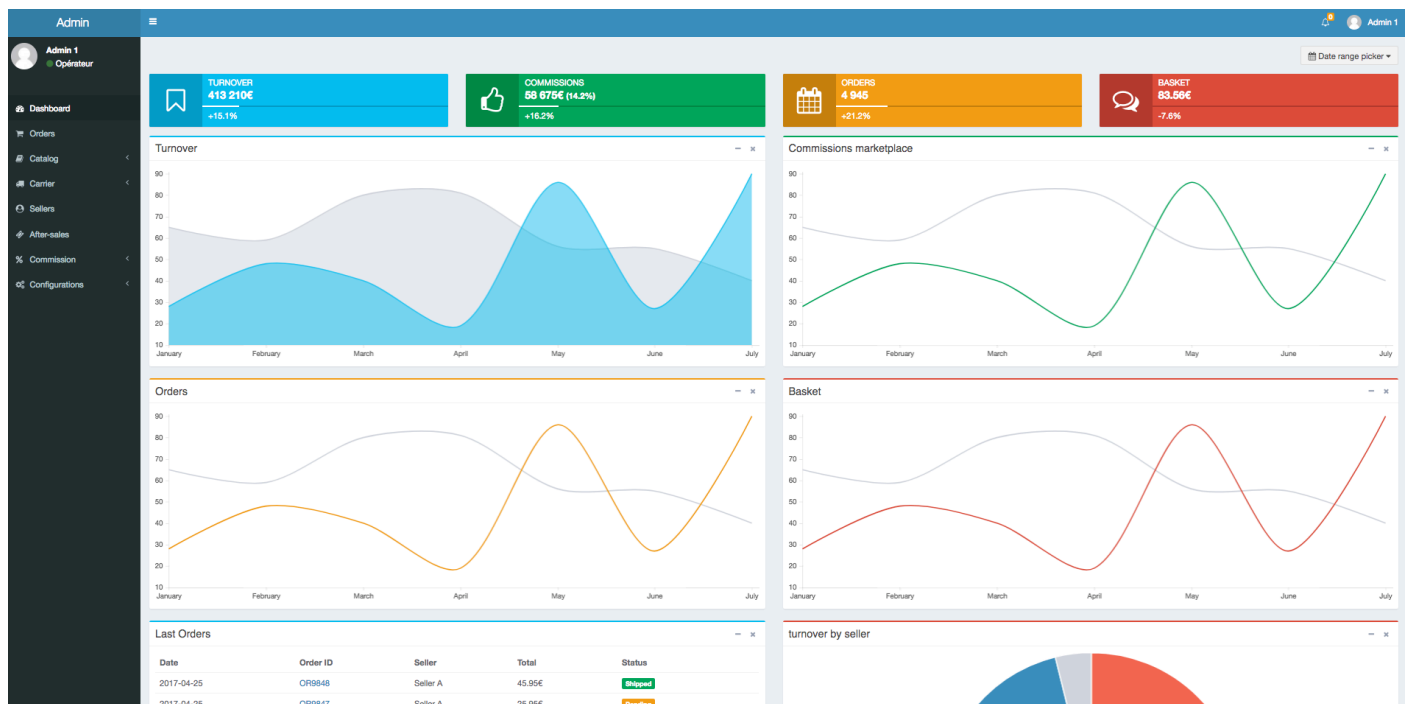
Three companies in France and Belgium already use origami Marketplace.

- <http://commentseruiner.com>
- <http://minismo.com>
- <http://lapinblanc.coop>

Below are a series of screenshots to show how the back office for the operators and sellers is looking in Origami Marketplace.

### Dashboard

This is the dashboard for the administrators in Origami Marketplace.



## Order details

This is an example of an order details on Origami Marketplace.

The screenshot displays the 'Order details' page in the Origami Marketplace Admin interface. The page is organized into several sections:

- Header:** 'Admin' with a user profile 'Admin 1 Opérateur'.
- Summary Cards:** Four cards at the top showing key order metrics: DATE (11/14/17), TOTAL TTC (53,50 €), SHIPPING COST (3,60 €), and PRODUCT (1).
- Order Information:** A table listing order details for 'Order n°25' from 'Boutique de Vincent', including date, reference, state (Waiting for payment), carrier, commission, and tracking.
- Addresses and Customer:** Three boxes for 'Shipping address', 'Invoicing address', and 'Customer', all for 'Julien Bruitte'.
- Products Table:** A table showing the order's contents.
- Summary and Actions:** A 'Total' summary table and an 'Actions' section with buttons for 'Accept payment', 'Cancel order', and 'Print'.
- Documents:** A section for 'Documents' with links for 'Invoice' and 'Shipping doc'.

Products	Price	Qty	Qty left	Total
Produit Vincent 1 P1834943585	49,90 €	1	25	49,90 €

Powered by Origami Marketplace Version 1.0.0 local

## Commissions management

Admins can manage their commission profiles on their marketplace.

The screenshot shows the 'Commission profil' management interface. It is divided into three main sections: 'General features', 'Main rules', and 'Profil rules'. The 'General features' section includes fields for 'Name profil' (set to 'New coms'), 'Fees profile name parent' (set to 'Default commissions'), and a checked 'Is default profile' checkbox. The 'Main rules' section contains a table with columns for 'name', 'Type of ressources', 'Concerned ressources', 'Rules', and 'override by'. The table lists 'General rules' with specific commission rates for 'total\_products\_tax\_inc', 'shipping\_flat\_fees', and 'order\_line\_qty'. The 'Profil rules' section also contains a table with columns for 'name', 'Type de ressource concernée', 'Ressource concernée', and 'Règles', listing 'Mug pusheen' and 'By default' with their respective commission rules. The interface includes search bars, pagination controls, and a '+ Add a line' button.

**General features**

Name profil: New coms  
Fees profile name parent: Default commissions  
Is default profile:

**Main rules**

name	Type of ressources	Concerned ressources	Rules	override by
General rules	General rule	-	10.0000 % of commission on the total_products_tax_inc 0.2500 € of commission on the shipping_flat_fees 0.1000 € of commission on the order_line_qty	by default

10 par page

**Profil rules**

name	Type de ressource concernée	Ressource concernée	Règles
Mug pusheen	products	7	20.0000 % of commission on the total_products_tax_inc
By default	General rule	-	0.1000 € de commission sur les order_line_qty

10 par page

Powered by [Orinami Marketplace](#) Version 1.0.0 local

## Events management

Here is the events manager of Origami Marketplace.

The screenshot shows the 'Events' management interface in the Origami Marketplace Admin panel. The interface includes a sidebar with navigation options like Dashboard, Orders, Catalog, Carrier, Sellers, After-sales, Commission, Configurations, Users, Sellers, Catalog, Payment, Shopping cart software, Générale, Taxes, Email templates, and Events. The main content area displays a table of events with the following data:

Nom	Action	Parameters	
seller.registration	mail	{"email":"","subject":"Nouveau Vendeur"}	
password.reset	mail	{"email":"","subject":"Reinitialisation de mot de passe"}	
order.deliver	mail	{"email":"","subject":"Comment s'est passee votre commande?"}	
configuration.update	callurl	{"uri":"[conf:scs_api_uri]?key=[conf:scs_api_token]&method=sync-config"}	
seller.activate	callurl	{"uri":"[conf:scs_api_uri]?key=[conf:scs_api_token]&method=activate-seller&id=[seller-id]"}	
seller.deactivate	callurl	{"uri":"[conf:scs_api_uri]?key=[conf:scs_api_token]&method=deactivate-seller&id=[seller-id]"}	
seller.update	callurl	{"uri":"[conf:scs_api_uri]?key=[conf:scs_api_token]&method=update-seller&id=[seller-id]"}	
shipping.offer.store	callurl	{"uri":"[conf:scs_api_uri]?key=[conf:scs_api_token]&method=update-shipping&id=[shipping-offer-id]"}	
shipping.offer.update	callurl	{"uri":"[conf:scs_api_uri]?key=[conf:scs_api_token]&method=update-shipping&id=[shipping-offer-id]"}	
shipping.offer.destroy	callurl	{"uri":"[conf:scs_api_uri]?key=[conf:scs_api_token]&method=delete-shipping&id=[shipping-offer-id]"}	

At the bottom of the table, there is a pagination control showing '10 by page' and a page indicator with '1' selected.

Powered by Origami Marketplace Version 1.0.0 local

## Product or service details

This is an example of a product details page.

The screenshot shows an admin interface for a product. The top navigation bar is blue with the text "Admin" on the left and "Admin 1" on the right. A dark sidebar on the left contains a menu with items: Dashboard, Orders, Catalog, Center, Sellers, Attributes, Commission, Configurations, Customer feedbacks, and Statistics. The main content area has a header with a product icon, the text "This is a product", and a reference number "ref: P19574312 / \*\*\*\*\* (1)". Below this is a toggle for "Activated" set to "Yes". The main content is divided into three sections: "General informations" with fields for Name, Original ref, Ref, EAN13, and UPC; "Short description" with a rich text editor containing the text "This is a short description"; and "Complete description" with another rich text editor containing the text "This is a complete description". At the bottom left is a "Back" button and at the bottom right is a "Save" button. The footer of the page reads "Version 1.0.0 local".

## 2. Origami Payment

### i. What is it?

Origami Payment is a payment solution developed to be used by both businesses and individuals.

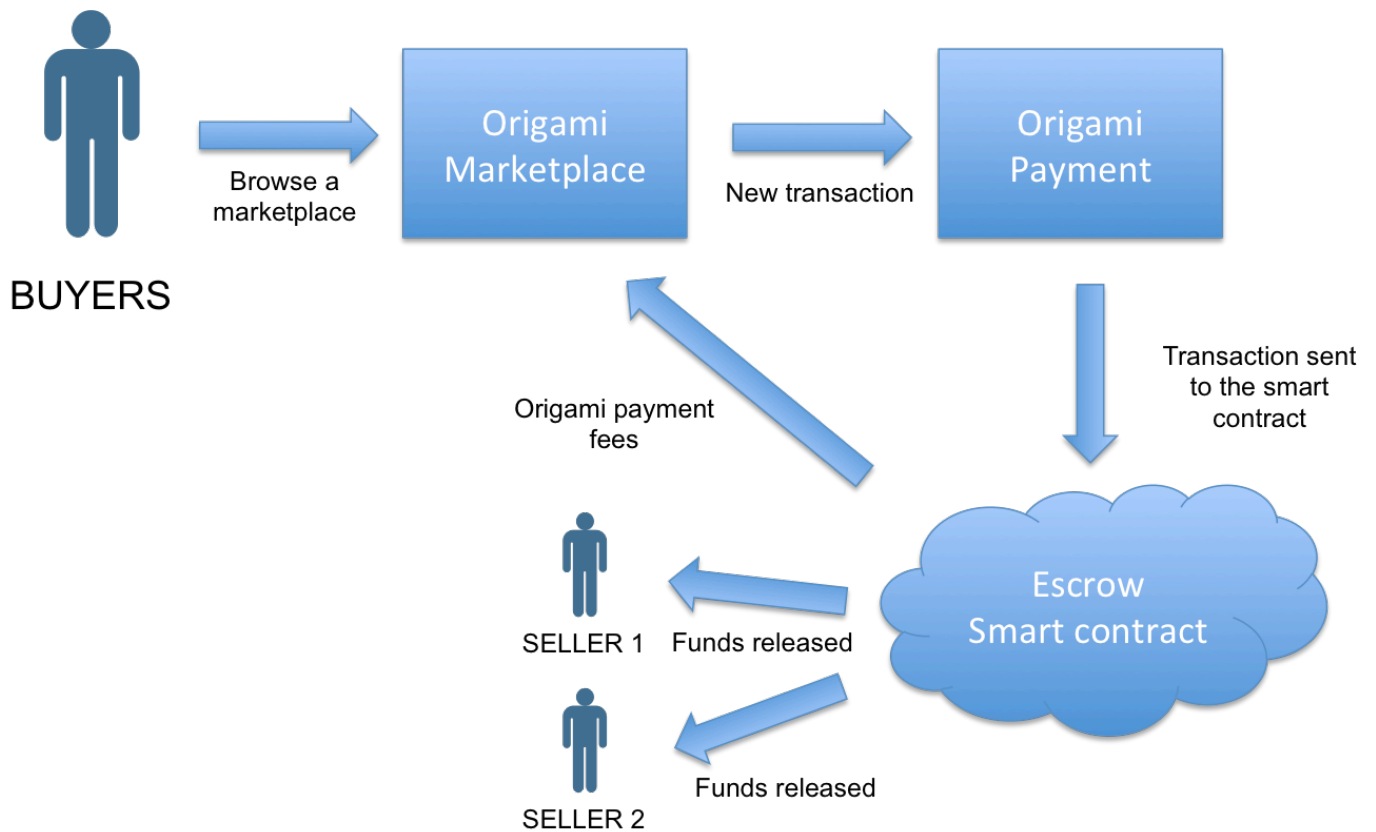
It provides secure escrow payments using smart contracts, without relying on a third party to control the money. Our payment solution will provide an easy-to-use app and a secure and easy to integrate API.

**Crypto currencies are the future and users will choose to pay with a crypto currency instead of the old school fiat money.**

Origami payment will accept Bitcoin, Ethereum and Origami tokens (BTC, ETH, ORI) and other crypto currencies in the future.

Origami payment simplifies international payments, escrow payments, replaces payment systems such as Mangopay or Stripe, and makes the most advanced escrow payment terms available to everyone.

## ii. Origami Payment features



Origami Payment will bring **security, simplicity** and **scalability** to escrow payments.

- **Security:** Payment information is never shared
- **Cost:** No third-party like Stripe or Mangopay, all of who are providers that charge between 1% and 7% of the amounts sent. **Origami Payment reduces the cost.**

## Origami Payment API

Our API covers all the operational cycle needed for an online marketplace, which includes:

- Pay-in and pay-out transactions and wallet statements
- Agile escrow rules and payments upon delivery
- Most countries require a banking license to handle money on behalf of third parties. Marketplaces cannot afford to break legal and regulatory requirements and Origami Payment is the perfect partner that allows you to concentrate on your core business.

Our API also provides the tools necessary to easily integrate Ethereum-powered payments into nearly every e-commerce solution available.

## E-commerce plugins

Our customers will be able to use our future available plugins and add Ethereum-powered payments to any of the most popular e-commerce solutions.



### 3. Origami Reviews

#### i. What is it?

User reviews have a dramatic impact on the level of trust on marketplaces. Research proves that one negative review from a buyer (justified or not) correlates with an average decrease of the growth of a specific seller's weekly sales from +5% to -8%. This explains sellers could be tempted to manipulate reviews, poste fake ones or delete others.

This is a **major challenge of marketplaces as they scale** (the infamous 5 stars problem with a uber driver)

Origami Review will solve this major problem with a blockchain-powered review system.

Any review will be authenticated, and solely users who had actually been through a prior transaction would be able to post reviews by signing reviews with their own private key before posting them.

Origami Review will check the shipment tracking code on the carrier of the order API's using Chainlink. **Chainlink easily connects the Origami Review smart contracts and critical external data from carriers.**

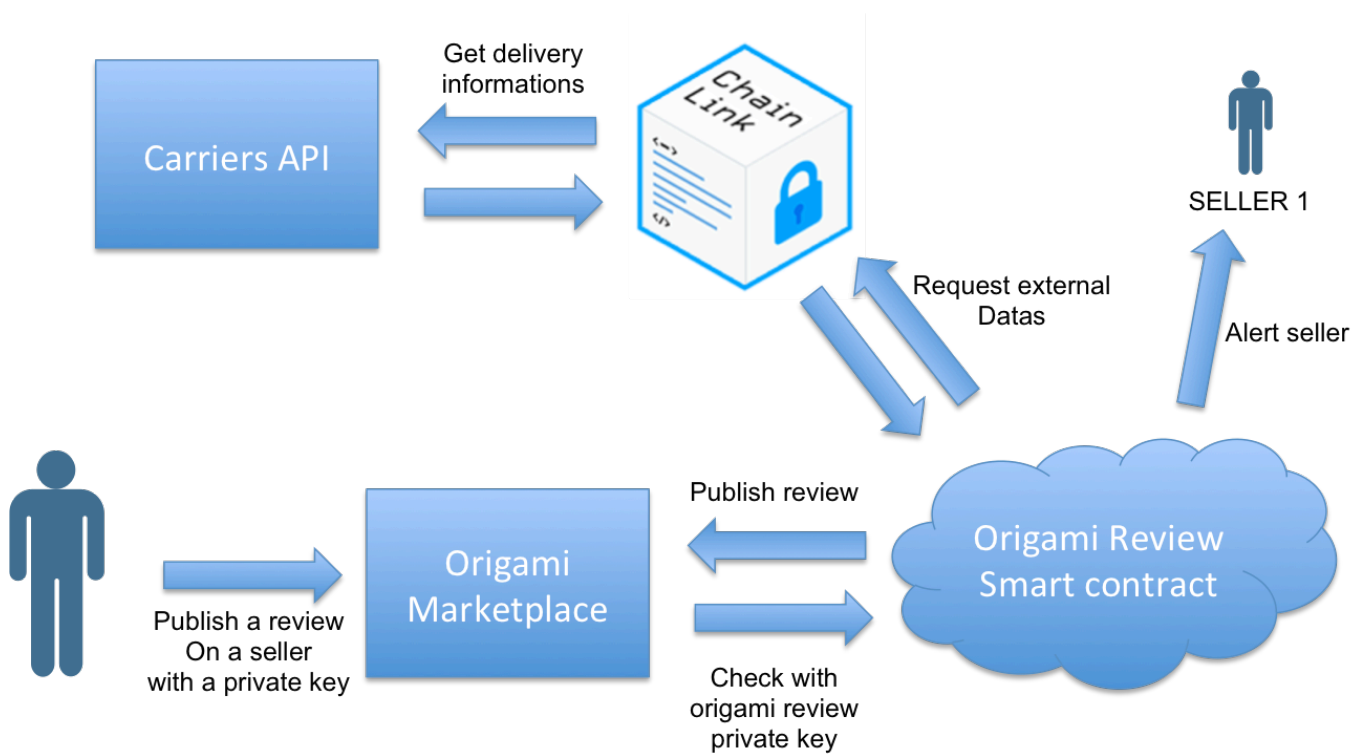
A smart contract from Origami Review will then authorize the reviews from buyers. This will solve the review problems that all marketplaces have as they scale.

**Origami Reviews will decentralized the reviews management and organize the reputation management of sellers on any marketplaces**

## ii. Origami Review features

Origami Review will:

- Create a global network of trust,
- Increase trust on each of the platform individually



**Origami Reviews will decentralized the reviews management and organize the reputation management of sellers on any marketplaces.**

We would then be moving from a paradigm where each seller would have a separate identity and reputation on each platform to a paradigm where sellers would have a single identity owned, controlled and stored in the blockchain.

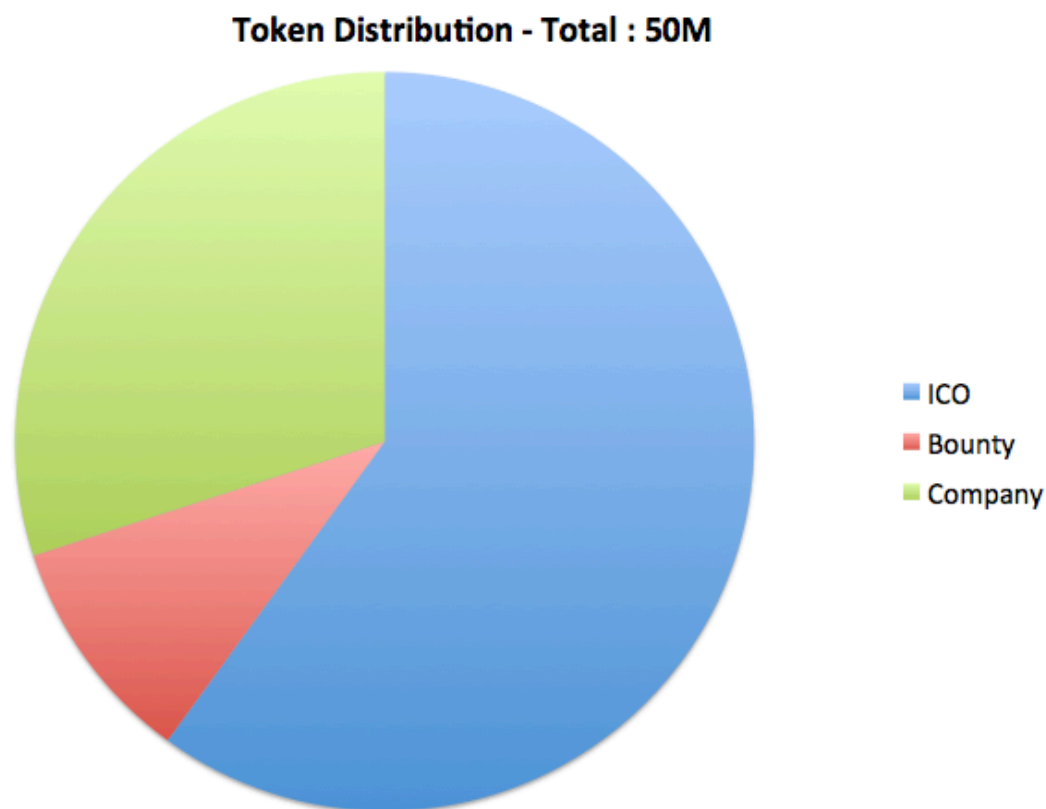
### III. The token

The Origami Network token is a basic ERC20 token that has the same capabilities as most other ERC20 coins.

The thing that makes Origami Network tokens valuable is the ability to earn Ether passively by holding tokens. Users that have invested in Origami Network tokens will receive around 0.8% to 1% in ETH of the payments made through Origami Payment. That means that investors will earn money simply by holding the token. Payouts are monthly.

The Origami Network token will also be the first useable ERC20 coin/token on our platform. It will be the only form of payment where there is no payment fee of around 0.8%/1%.

## 4. Token distribution



- **ICO:** 60% - 30M tokens
- **Bounty:** 10% - 5M tokens
- **Company:** 30% - 15M tokens

The hard cap of our future ICO is 5.000 ETH. Fifty millions tokens are in existence, of which 30.000.000 (60%) will be sold during our ICO, 5.000.000 (10%) will be set aside for our bounty campaign and 15.000.000 (30%) will be held by the company.

**All unsold tokens in the ICO will be burned.**

Our ICO will start on the 12th of January 2018. **We want to ensure maximum growth to our initial investors.**

## IV. The core team

We are three French entrepreneurs from the city of Lille. We know each other since kindergarten and our friendship and development skills are our 2 best assets for the Origami Network project.

We (the three of us) have studied software engineering in France and Ireland; we have already worked in the banking and trading area via our first jobs inside the Worldline Company. We know and follow the blockchain area since many years.

### Presentation of the members of the core team:

- Bruitte Julien, CEO: [Linkedin Profile](#)
- Duquenoy Alexandre, CMO: [Linkedin Profile](#)
- Pichon Vincent, CTO: [Linkedin Profile](#)

### 1. When did it start?

We launched our first project together in January 2012 and it already was an online marketplace: <http://commentseruiner.com>.

We then launched our software development company: **Comptoir du Code** (<http://comptoirducode.com>) in January 2015 in the online commerce area followed by our first e-commerce website **Cute Land** (<https://cute.land>)

### 2. Why Origami Network?

We decided in the summer of 2016 that we could use, package and sell to other companies the marketplace technology we self-developed for our own marketplace CommentSeRuiner.com. We started to work on Origami Marketplace at the end of 2016 and launched it in April 2017.

But escrow payment is an expensive area (around 2% to 4% fees + flat fees per transaction), we want to add to our Origami Marketplace technology the possibility to have **a blockchain escrow payment with smart contract technology with low fees** (around 0.7% to 1% per transaction): This is Origami Payment.

**Origami Network is a marketplace with escrow payments on the blockchain with smart contracts technology.**

### 3. Our partners

We are part of the French accelerator **Euratechnologies** since 2013. **Euratechnologies** is home to over 100 startups, incubated and accelerated, as well as offices for several multinational companies.

We also are part of the French entrepreneurs network: “**Reseau Entreprendre Nord**”



As well as:

**CIC:** Fourth largest bank in France. They are early investors in Origami Marketplace and invested in February 2017.

**BPI France:** They are early investors in Origami Marketplace and invested in February 2017.



## V. Roadmap

Here is our main roadmap for Origami Network.

