

# Community Currencies (CC)

This feature has been introduced in [Tiki6](#), and it allows to use community-defined currencies to support trading within Barter Networks using a community-trust based [Payment](#) system.



In its current design it requires an external free software package called **CCLite** to handle the transactions out of tiki. This is intentional, since the goal is that not only Tiki-based sites but also other Content Management Systems (Elgg, Joomla, Drupal, ...) can use the same CCLite installation to support intertrading among communities and softwares.

## Basic Terminology


- "Registry": Barter Network


## 1.1. Tiki/Cclite Installation Instructions

## 1.2. Basic configuration (Tiki side)


You have to select CCLite as the payment system (done by the "Barter\_Market" profile for you).

Payment


Payment 


 **Choose payment system**


You can only use one payment Paypal or Cclite  
Only PayPal is working at the moment. See [PayPal.com](#)  
Cclite: Community currency accounting for local exchange trading systems (LETS). See [sourceforge.net](#)

Payment System:  

*PayPal: see [PayPal.com](#) - Cclite: Community currency*  
Requires **Payment** (OK)

Currency:  

Default acceptable payment delay:   days

Wiki page containing the instruction to send manual payment like check:  
 

Requires **Payment** (OK)

Then you have to provide the details for the CCLite installation, so that Tiki and CCLite can talk to each other properly. See an example below:

## Cclite

 Experimental

Cclite is for creating and managing alternative or complementary trading currencies and groups

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Cclite Registries:  

*Registry names in Cclite*

Requires **Payment** (OK)

Cclite Registry Currencies:  


*Each registry in Cclite can have it's own currency. Must be one per registry. (case sensitive)*

Requires **Payment** (OK)


Cclite Server URL:

*<https://cclite.yourdomain.org/cclite/> *


Requires **Cclite Registries** (OK)

Cclite Merchant User:  

Requires **Cclite Registries** (OK)

Cclite Merchant Key:  

Requires **Cclite Registries** (OK)

Cclite Enable Payments:  

Requires **Cclite Registries** (OK)

Hashing Algorithm:  

Requires **Cclite Registries** (OK)





Cclite Payment Notification 

Requires **Cclite Registries** (OK)

### 1.3. Basic configuration (CCLite side)

You have to provide some details for your basic cclite installation (See the CCLite manual).

And then, each registry that you create, needs to have some basic details also, which comprise a registry name, description, email, among others (*to be continued*):

<a href="#">User Menu</a>   <a href="#">Partners</a>   <a href="#">Create Currency</a>   <a href="#">Show Currencies</a>   <a href="#">Create Ad Ca</a>	
	
<b>Show Registry Balances</b>	Registry Name <input type="text" value="c2c1"/>
<b>Create Rule/Credit Limit</b>	Registry Description <input type="text" value="Barter Network for 'Cornellà de Dalt'"/>
<b>Create Registry Partner</b>	Manager Email <input type="text" value="cclite@yourdomain.com"/>
<b>Upload Batch Files</b>	Manager Email Password <input type="password" value="....."/>
<b>Apply Service Charge</b>	Email for Batch Transactions <input type="text" value="cclite@yourdomain.com"/>
<b>Open Office Directory</b>	Batch Email Password <input type="password" value="....."/>
<b>Create Batch Dirs</b>	Global Commitment Limit <input type="text" value="100"/>
<b>Modify c2c1</b>	Merchant Key <input type="text" value="1212121212"/>
<input type="text" value="search users"/> 	Allow Merchant from IP addresses (space separated list) <input type="text" value="127.0.0.1 11.222.3.44"/>
<input type="text" value="search ads"/> 	Update Latest News <input type="text"/>
<input type="text" value="search trades"/> 	Note the registry must declared as an ODBC driver under Windows. <input type="button" value="Go"/> <input type="button" value="Cancel"/>

## 1.4. Usage

The usage is pretty intuitive, once the profile "Barter Market" is applied to your Tiki installation.

You have a list of items offered or wanted shown in a page, and you select one of them. Then you have the option to:

- give the amount (in the community currency specified in the item) to person offering it, in order to close the transaction
- get in contact with that user first, to agree on details or state of that item offered or requested.

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[Forums](#)

[Files](#)

[Help](#)

Offering

**bread**

my nice bread with seeds. Mmmm, delicious! 😊



**Price: 15**

Transfer 15.00 ECO to xavi for *bread* (offer# 10)

[Buy now!](#)

- [Add comment about this offer](#)
- [Watch for changes or comments by others about this offer](#)

Offering

**bread**

my nice bread with seeds. Mmmm, delicious! 😊

**Price: 15**

**Transfer 15.00 ECO to xavi for "bread" (offer# 10)**

Status: **outstanding**

Initial amount: 15.00 ECO

Amount remaining: **15.00 ECO**

Payment request was sent on 2010-08-04 and is due by 2010-09-03.

[Trade with Cclite](#)

- [Add comment about this offer](#)
- [Watch for changes or comments by others about this offer](#)

Once you click on the button "**Buy now**", you initiate a payment request, which you can pay with CCLite or by other means such as plain barter in exchange of some other good or service, etc. If you want to trade with CCLite-based community currency, you can click on the button "**Trade with CCLite**".

This will initiate the payment, provided that you have enough amount in that currency in you CCLite account. In such case, you'll see a message saying "Transaction accepted" followed by some code ("Ref: XXXX..."):

### Transfer 15.00 ECO to xavi for "bread" (offer# 10)

Status: **outstanding**

Initial amount: 15.00 ECO  
Amount remaining: **15.00 ECO**  
Payment request was sent on 2010-08-04 and is due by 2010-09-03.

[Refresh page](#)

**Payment info**

Cclite payment initiated on 2010-08-04 [20:39]  
Transaction Accepted  
Ref: RFXJolhXMNveBleXITvNsWybJBw

- [Add comment about this offer](#)
- [Watch for changes or comments by others about this offer](#)

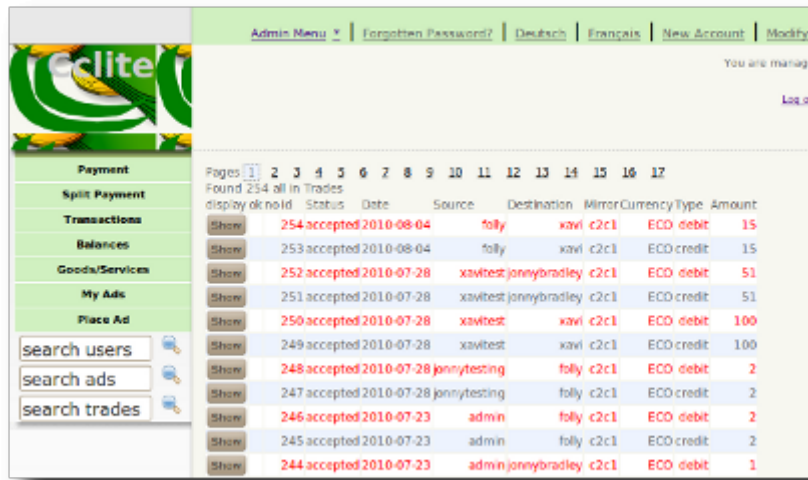
If the user is not registered in the CCLite site, a some message will be shown indicating it (for user "test" in this example below):

[Refresh page](#)

**Payment info**

Cclite payment initiated on 2010-08-04 [20:23]  
Connection to cclite server <http://c2c.ourproject.org> failed for test  
"login failed for test at c2c1:"

The previous successful transaction will be recorded also in the CCLite side, at the "**Transactions**" sections, once loged as manager or user with enough rights:



As seen in this detailed image, the last rows correspond to the recent transaction that we have seen in the previous images from the linked Tiki site:

display	ok	no	id	Status	Date	Source	Destination	Mirror	Currency	Type	Amount
Show			254	accepted	2010-08-04	folly	xavi	c2c1	ECO	debit	15
Show			253	accepted	2010-08-04	folly	xavi	c2c1	ECO	credit	15

If we click in the "Show" button in CCLite, we will see the full details of that transaction, as stored in the CCLite server:

<b>Payment</b>	From	folly
<b>Split Payment</b>	Description	
<b>Transactions</b>	To	xavi
<b>Balances</b>	Title	
<b>Goods/Services</b>	Type	debit
<b>My Ads</b>	Date	2010-08-04
<b>Place Ad</b>	Item	
search users	Time Stamp	2010-08-04 20:39:27
search ads	To Registry	c2c1
search trades	Status	accepted
	Currency	ECO
	Amount	15
	Trade Reference	RFXJoIhXMNveBleXiTvNsWyjBw

[Online research](#) 1 offered

For more information for the time being, you can see it in action at

<http://c2c.ourproject.org/tiki>

## 1.5. Add a new barter node to the network

The process to have a new node added to the network is:

1. Install Tiki (if not done already), and [apply](#) the [Barter profile](#)
2. Request the Merchant ID to the CCLite admin, and update your Tiki payment configuration
3. Send to the CCLite admin the ip of the server where your Tiki is installed, in order to have it added to the cclite configuration.
4. Create users with the same username in the CCLite installation as they have in the Tiki site (in the future, this will be more flexible)
5. Let the users create their offers and wants in the tiki site.
6. Let them trade through cclite

Todo:

1. Show the list of transactions and status of the budget for users in their userpages
2. Show the list of items offered and wanted (as open, pending, closed) in their user pages.

## 1.6. Links

Profile to easily customize your Tiki6 site to work supporting Barter Networks:

- [http://profiles.tiki.org/Barter\\_Market](http://profiles.tiki.org/Barter_Market)

Related pages and sites:

- <http://intercanvis.net>

Development sites:

- <http://c2c.ourproject.org>
- <http://dev.tiki.org/cc>

CCLite:

- Sourceforge page: <http://sf.net/projects/cclite>
- Author's page: <http://www.hughbarnard.org/?q=node/3>
- Email list: <http://groups.google.co.uk/group/cclite>

Former implementation of CC in Tiki:

- [Mod cc](#)

- <http://cc.tiki.org>

## Aliases

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[CC](#) | [CommunityCurrencies](#) | [CommunityCurrency](#) | [Community Currency](#) | [CCLite](#)