

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).

The screenshot shows the 'Payment' configuration page in Tiki. At the top, there is a 'Payment' section with a checked checkbox and a help icon. Below this is a blue box with the heading 'Choose payment system' and a book icon. The text inside the box states: 'You can only use one payment Paypal or Cclite', 'Only PayPal is working at the moment. See PayPal.com', and 'Cclite: Community currency accounting for local exchange trading systems (LETS). See sourceforge.net'. Below the blue box, the 'Payment System' is set to 'Cclite' in a dropdown menu, with a help icon and the text 'PayPal: see PayPal.com - Cclite: Community currency'. Below this, it says 'Requires Payment (OK)'. The 'Currency' is set to 'ECO' in a text box, with a help icon. The 'Default acceptable payment delay' is set to '30' in a text box, with a help icon and the text 'days'. At the bottom, there is a text box for the 'Wiki page containing the instruction to send manual payment like check:', with a help icon and the text '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
6

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*):



Show Registry Balances

Create Rule/Credit Limit

Create Registry Partner

Upload Batch Files

Apply Service Charge

Open Office Directory

Create Batch Dirs

Modify c2c1

search users

search ads

search trades

[User Menu](#) | [Partners](#) | [Create Currency](#) | [Show Currencies](#) | [Create Ad Ca](#)

Registry Name

Registry Description

Manager Email

Manager Email Password

Email for Batch Transactions

Batch Email Password

Global Commitment Limit

Merchant Key

Allow Merchant from IP addresses (space separated list)

Update Latest News

c2c1

Barter Network for 'Cornellà de Dalt'

cclite@yourdomain.com

••••••••

cclite@yourdomain.com

••••••••

100

1212121212

127.0.0.1 11.222.3.44

Note the registry must declared as an ODBC driver under Windows.

Go 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.

[Home](#)

[About](#)

[Calendar](#)

[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](#)

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**".

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](#)

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: RFXJohXMNveBleXITvNsWyJBw

- 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 logged as manager or user with enough rights:

		Admin Menu Forgotten Password? Deutsch Français New Account Modify You are manage Log off									
Payment		Pages 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17									
Split Payment		Found 254 all in Trades									
Transactions		display ok noId Status Date Source Destination Mirror Currency Type Amount									
Balances		Show	254	accepted	2010-08-04	folly	xavi	c2c1	ECO	debit	15
Goods/Services		Show	253	accepted	2010-08-04	folly	xavi	c2c1	ECO	credit	15
My Ads		Show	252	accepted	2010-07-28	xavibest jonnybradley	c2c1	ECO	debit	51	
Place Ad		Show	251	accepted	2010-07-28	xavibest jonnybradley	c2c1	ECO	credit	51	
search users		Show	250	accepted	2010-07-28	xavibest	xavi	c2c1	ECO	debit	100
search ads		Show	249	accepted	2010-07-28	xavibest	xavi	c2c1	ECO	credit	100
search trades		Show	248	accepted	2010-07-28	jonnytesting	folly	c2c1	ECO	debit	2
		Show	247	accepted	2010-07-28	jonnytesting	folly	c2c1	ECO	credit	2
		Show	246	accepted	2010-07-23	admin	folly	c2c1	ECO	debit	2
		Show	245	accepted	2010-07-23	admin	folly	c2c1	ECO	credit	2
		Show	244	accepted	2010-07-23	admin jonnybradley	c2c1	ECO	debit	1	

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:

Pages	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Found 254 all in Trades																	
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:



- Payment
- Split Payment
- Transactions
- Balances
- Goods/Services
- My Ads
- Place Ad

[Admin Menu *](#) | [Forgotten Password?](#)

From

Description

To

Title

Type

Date

Item

Time Stamp

To Registry

Status

Currency

Amount

Trade Reference

folly

xavi

debit

2010-08-04

2010-08-04 20:39:27

c2c1

accepted

ECO

15

RFXJolhXMNveBleXiTvNsWybJBw

[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

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

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