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CREDITS Web-version

1. Web-version specification

1.1 CREDITS Desktop Client vs. Web-client

Web-version is available for already existing CREDITS Clients, as well as for new users who don't see any necessity in installing full Node. It is a "light" version of a Client with almost entire functionality processed via web-interface. This interface and account is called the CREDITS Wallet.

The main features of this version:

- No need to install the CREDITS Client application;
- All operations are processed via web-interface.
- Reduced amount of possible operations — in using this option, there is no chance to deploy new Smart Contracts.

1.2 What is the CREDITS Wallet?

The CREDITS Wallet is a client-side interface for secure and easy interacting with CREDITS blockchain. For some reasons, sometimes it's better to use only the CREDITS Wallet — it is rather easy, flexible and available from any device.

For example, you only want to execute operations with already deployed Smart Contract and don't need to compile your own, or you intend to make only simple transactions, like currency transfers — the Wallet account will be suitable for these purposes. Another advantage of this version is that there is no need to synchronize your account with blockchain. Your personal data is saved and nothing is transmitted to the network or to the platform's server.

1.3 Essential Functionality

- **Initiating a transaction**

You can execute a number of operations within existing Smart Contracts and transfer values. To initiate any transaction, proceed to the working space in your account.

- **Currency and values transfer (CS and credits-based tokens)**

To transfer currency and values, use your private data. Don't forget that you need to know the recipient account number to make the transfer complete. In your work panel it is possible to monitor the details of current and previously executed transactions.

- **Checking balance**

Check and control balance in your Wallet. To check balance you should log in — the first you will see is an amount of your CS's.

- **Checking your transactions history**

The history of transactions is logged in your account and it is always easy to check it.

2. System Requirements

For using the web-client, it is necessary to update your web-browser. The Minimum version for each web-browser is listed below:

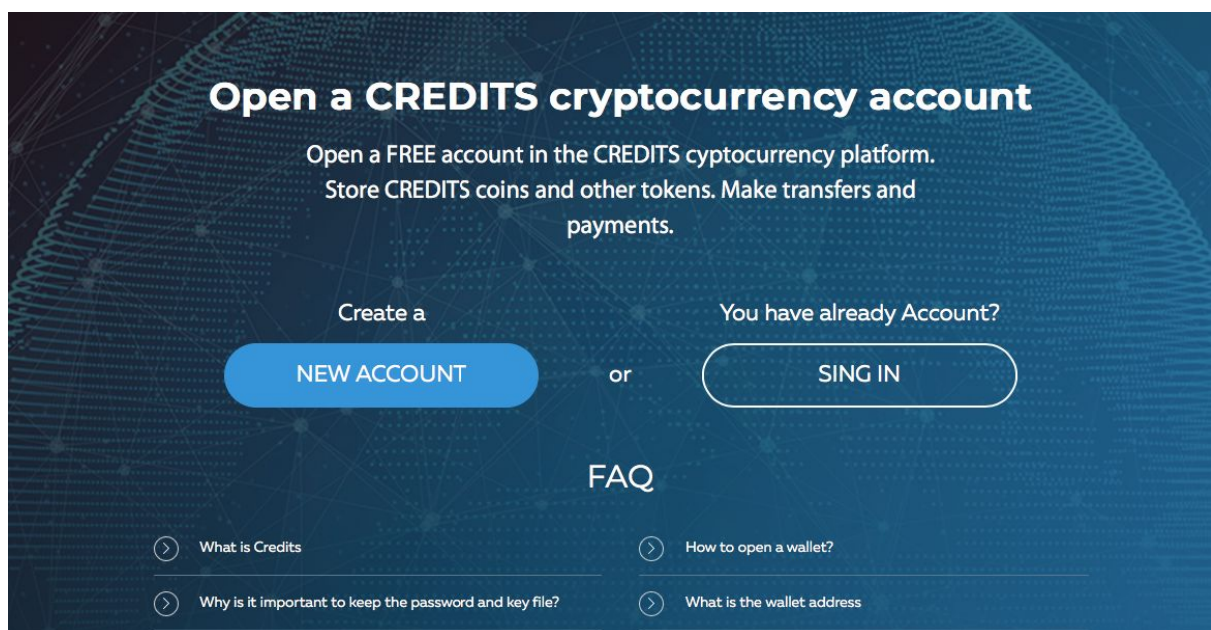
- IE 10;
- Safari 9, iOS 9;
- Android 5.0, Edge 13 and higher.

3. Creating New Account

If you already have an account, just pass this step. Click **Sign in**, enter your credentials to login in your account.

If you are a new user, you need to get your credentials for further use of the service. Click **Create New Account** and follow the instructions. It is absolutely free.

If you have any questions or you need more details about the service and particular registration steps, view the information in section **FAQ** (Pic. 1).

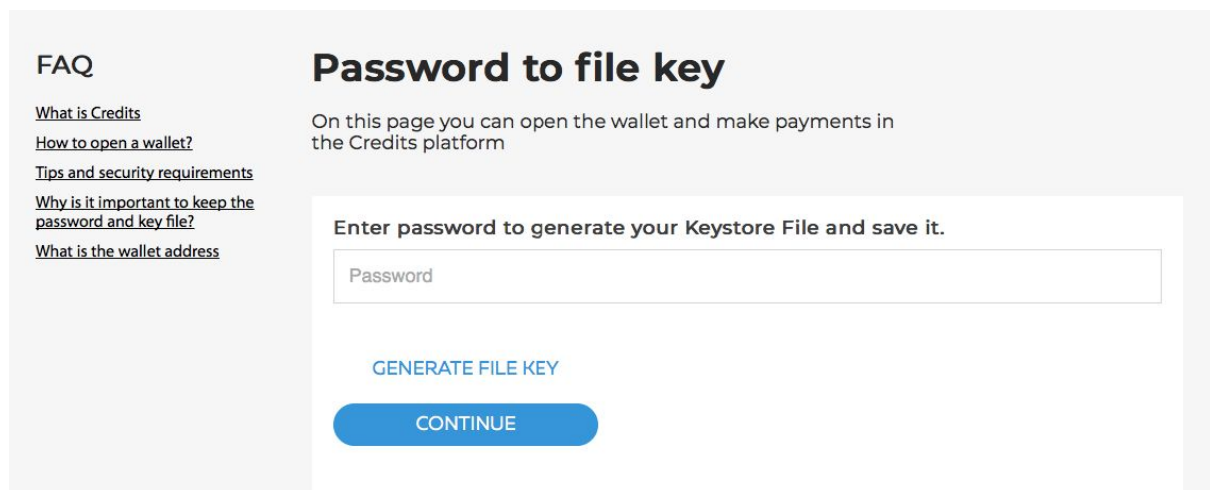


Pic.1. Creating new account

3.1 Generating Keystore file

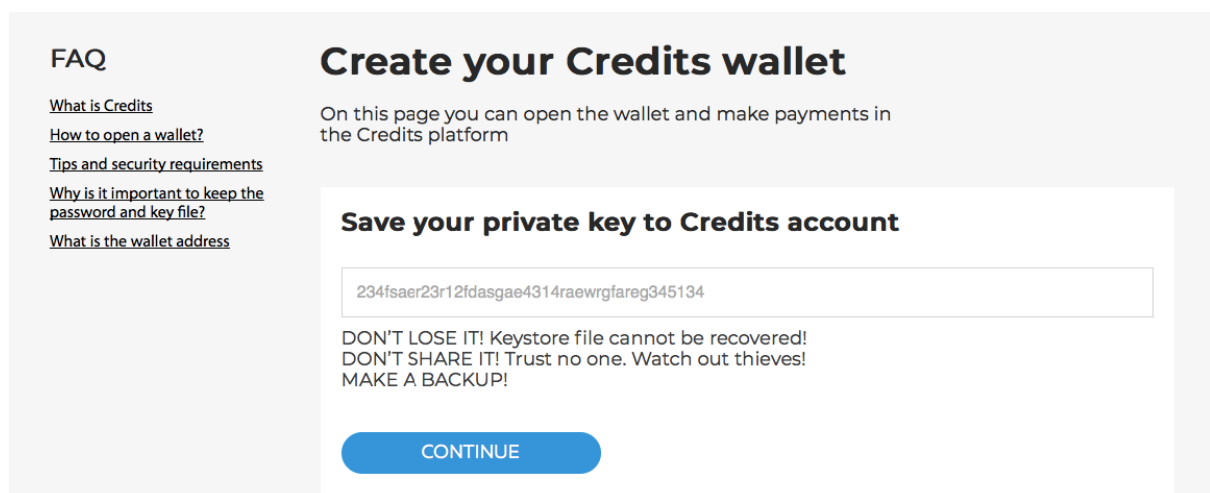
For a new user it is necessary to create a new account and the first step is generating new credentials.

For any operations with an account are used private key and public key which are generated by encrypting password or keyword. To get the key couple and open the wallet enter password. Click **Generate Key file** (Pic. 2).



Pic. 2. Generating Keystore file

1. The system will generate a file with text data that will include private and public keys. You will get the keys as a Keystore file in UTC/JSON format. (Pic. 3). Be sure that you have carefully saved this data — the keys cannot be restored!

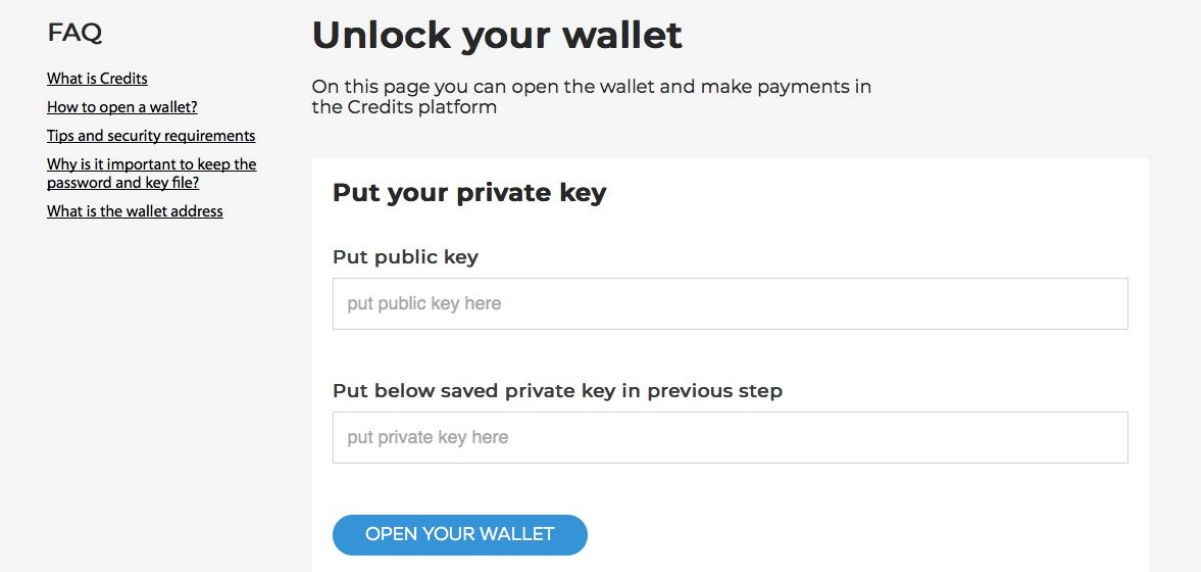


Pic. 3. Create your CREDITS Wallet

2. Click **Continue** to log in (Pic. 3).

3.2 Unlock your Wallet

To finish the procedure and to open your wallet, you must enter your credentials. In the window **Unlock Your Wallet**, you will see two fields for entering private and public keys. Fill in these fields and click on **Open Your Wallet**. Now you have created your account that is ready for use (Pic. 4).



Pic. 4. Unlock your Wallet

3.3 Entering an Account

If you already have your credentials, click **Unlock Your Wallet**. You must enter your credentials to unlock it. Select enter **Private Key**. (In the next version uploading Keystore/JSON file option will be implemented as an extra method of log in) (Pic. 5,

6).

The screenshot shows a web interface for unlocking a wallet. On the left, there is a sidebar with the heading 'FAQ' and five links: 'What is Credits', 'How to open a wallet?', 'Tips and security requirements', 'Why is it important to keep the password and key file?', and 'What is the wallet address'. The main content area has the heading 'Unlock your wallet' and a subtext: 'On this page you can open the wallet and make payments in the Credits platform'. Below this, a white box contains the heading 'How would you like to access your wallet' and two buttons: 'KEY' (highlighted in blue) and 'FILE' (in grey).

Pic. 5. Entering an account

Click **Open Your Wallet** to finish registration.

This screenshot shows the next step in the wallet unlocking process. The sidebar and main heading remain the same. The subtext is also present. The white box now has the heading 'Put your private key'. It contains two input fields. The first is labeled 'Put public key' and contains the text 'CSxd8b4c1ba17d1464e9f08ae24c1a99'. The second is labeled 'Put below saved private key in previous step' and contains the text '9a9d79786af9b2882b35e705841124e8f18bbb3ea03116f5e04bd7fbd35c53ce'. At the bottom of the white box is a blue button labeled 'OPEN YOUR WALLET'.

Pic. 6 Entering keys

4. Account Management

4.1 Basic Information

In your CREDITS Wallet in the upper left column is the available essential information about your account (Pic. 7):

- Number of your Wallet (public key) — you can share this number with other members of blockchain for proceeding any transactions and transfer of values.
- Your balance — an amount of CS's on your balance. Notice, that only inner cryptocurrency Credits (CS) is used for transfers.
- Transaction history — here you can view the latest transactions from your account (Pic. 8).

The screenshot displays the CREDITS Wallet interface. On the left, the 'Account' section shows the wallet address 'CSxd8b4c1ba17d1464e9f08ae24c1a99' and a balance of 100. Below this is a 'TRANSACTION HISTORY' section with a 'DETAILS' button. Further down is an 'FAQ' section with links to 'What is Credits', 'How to open a wallet?', 'Tips and security requirements', 'Why is it important to keep the password and key file?', and 'What is the wallet address'. The main area is titled 'Make a payment' and includes instructions: 'On this page you can open the wallet and make payments in the Credits platform'. It features a 'Select coin' dropdown set to 'CS (credits)', showing a 'Credits balance 100'. Below is a field for 'To address which opened on Credits (only)' containing 'CSxc42d328b2ef3fe780b2226bf4c5f6', with a message 'Balance not valid.' underneath. At the bottom is an 'Amount in CS (Credits)' input field set to '0'.

Pic. 7. Your wallet

Account CSxd8b4c1ba17d1464e9f08ae24c1a99

Information

Account: CSxd8b4c1ba17d1464e9f08ae24c1a99

Balance: 100 Credits

Nº of transactions: 0

List of transactions

Nº of transactions: 0 txns

First Prev Page 1 Next Last

Nº	Age	Status	Hash	From account	To account	Value	Fee
<div>First Prev Page 1 Next Last</div>							

Pic. 8. Details. Transaction history.

4.2 Transactions and Operations

There are two types of transactions available in web version:

- Transition of tokens (CS's);
- Executing inside already existing Smart Contract.

Notice, that deploying new compiled Smart Contracts is possible only via console. In alpha-version of the application, Smart Contracts are being proceeded as regular transactions.

4.3 Initiating a Transaction

After login the User gets access to the **Make a Payment** section. It is the main form for proceeding any transactions. Here it is possible to transfer any amount of currency (CS's) to any other member of CREDITS blockchain (Pic. 9).

Account

Wallet
CSxd8b4c1ba17d1464e9f08ae24c1a99

Balance
99

TRANSACTION HISTORY:

DETAILS

FAQ

[What is Credits](#)
[How to open a wallet?](#)
[Tips and security requirements](#)
[Why is it important to keep the password and key file?](#)
[What is the wallet address](#)

Make a payment

On this page you can open the wallet and make payments in the Credits platform

Select coin

CS (credits)

Credits balance 99

To address which opened on Credits (only)

CSxc42d328b2ef3fe780b2226bf4c5f6

Amount in CS (Credits)

10

GENERATE TRANSACTION

Pic. 9. Initiating a transaction

To make payment:

1. **Select coins** — select from the drop-down list the currency you want to transfer.*

In alpha-version only inner currency (CS's) is used.

Insert recipient's public key in the field **To address which opened on CREDITS (only)**

Amount in CS - enter amount of credits you want to transfer.

2. Check whether all the information is entered correctly and click **Generate transaction**.

3. Verify your transaction. After verification you get **Transaction Code**. It is an encrypted code containing information about current operation that is being transmitted to other blockchain members (Pic. 10).

Before sending CS's check the following fields: **To address, Transaction sum, Transaction Fee.**

Account

Wallet
0xc260aa0dEB7f21F4411E40

Balance
575.1232 CS

TRANSACTION HISTORY:

DETAILS

FAQ

[What is Credits](#)
[How to open a wallet?](#)
[Tips and security requirements](#)
[Why is it important to keep the password and key file?](#)
[What is the wallet address](#)

Check & verify your transaction

On this page you can open the wallet and make payments in the Credits platform

Заголовок внутри контейнера

Текст под заголовком внутри контейнера

To address

CSv2dfgds2342dfg345sdgdsfgsgdfgsdfgsdfgr143

Transaction sum

23.0547 CS

Transaction Fee

0.5451 CS or 0.00051%

Transaction code

Oxf316812AE66d5B8aFcC0601Aed747e75dBF7064e

GENERATE TRANSACTION

Pic. 10. Transaction verification

4. The option **See on CREDITS Monitor** allows a person to view the information about recent operations.

Account
Wallet Address:
CSx8335c41842f944dff178a
b8bc946e

Balance
50

TRANSACTION HISTORY:
[DETAILS](#)

FAQ
[What is Credits](#)
[How to open a wallet?](#)
[Tips and security requirements](#)
[Why is it important to keep the password and Keystore File?](#)
[What is the wallet address?](#)

Your payment was completed successfully

Below you can see payment details and view transaction on the CREDITS Monitor

To Address (Recipient)	CSx30eedd7d48ba1917e27435345caf3
Transaction Amount	25
Transaction Fee	0.00061 CS or 0.00061

[VIEW TRANSACTION ON THE CREDITS MONITOR](#)

5. Privacy and Security

To guarantee safety and security of your credentials, please follow the essential rules of safety.

- Choose the secure storage for the file containing the private key. To be sure that this information will not be lost, create reserve copy of the document.
- Use antivirus to provide security of this data file.
- Install special extensions in your web-browser, e.g. Cryptonite by MetaCert to avoid getting on malicious websites.
- Do not trust any messages and URLs contained in direct messages.
- Always check the reliability of the source.
- While buying tokens, do not trust any source except the official site.
- Do not run any applications for remote access at your computer (TeamViewer, Ammy, Admin, Supremo), especially if you store your credentials here.
- Clean the cache, search history and autofill forms if you visited a malicious website.
- Check and verify every transaction you have proceeded in CREDITS Monitor.
- CREDITS Administration never ask you to share your private key.

- If your device is required to be serviced, logout from your account beforehand.
- Remember about phishing while entering your email on websites. Crimes using phishing software in Google Ads and email letters are widespread in the cryptocurrency sphere. Be sure that the domain Credits.com is in the email and is written correctly (i.e. info@credits.com). Never go to websites by clicking on ad banners in Google. If the code of your private key is stolen by a phishing source, you can lose all your currency.
- Always check recipient's addresses twice. There are programs which can alter using a copy-paste procedure and substitute another address instead of the sender's real one. So in cases like that, you could be transferring your currency to a fraudster. We recommend to sending a micro-transfer at first to be sure that the transaction is correct and verified. Then only after that, you can transfer the full sum of money.
- Check blocking. Using the web-wallet is critically important to ensure that your browser has a SSL-security mark. This encryption technology guarantees that browsing this source is encrypted. The address of the website must be written with HTTPS and NOT HTTP and you should see locker icon in the URL field.