Blue Orion

Blockchain Solutions and smart contract development based on Stellar network
Timed Transactions Project

1. Timed Transactions
   a. Scheduled Payments: Send a transaction on a specified date.
   b. Recurring Payments: Define your schedule, this can be: daily, weekly, monthly.

2. MultiSend
   a. Upload: upload CSV-File with the list of destinations, amounts, assets, and dates.
   b. Paylist: view the details of successful MultiSend payments and errors, cancel open ones.

3. Crypto Services Platform

4. Team
Timed Transactions

Problem
How can one schedule a payment on a future date?
How can a transaction recur daily, weekly, monthly?

Solution
First platform that enables date related payments on the Stellar Ecosystem.
Just as you’d use an application like Outlook to set a recurring calendar event, it is possible to set recurring payments in Blue Orion.

Technical
To enable date related payments a smart contract is created which is pre-signed and time-bound on a certain day.
At no point does Blue Orion take custody or have knowledge of secret keys.
Timed Transactions

Scheduled Payment

1. Enter Destination Public Key or choose from MyContacts
2. Enter amount and Asset code (XLM, SMART, or any token)
3. Optional memo
4. Select “Send on Date”
5. Send “Once”
6. Enter date to send
Timed Transactions

Recurring Payments

1. Enter Destination Public Key or choose from MyContacts
2. Enter amount and Asset code (XLM, SMART, or any token)
3. Optional memo
4. Select “Send on Date”
5. Name your schedule
6. Set recurring period: daily, weekly, or monthly
7. Enter initial date to send
Timed Transactions

Schedule Management

- Recurring Payments are organized into schedules
- State and time of submission is displayed in one view
- Open payments can be cancelled at any time
Timed Transactions video demo

See youtu.be/ZdiLew4SUjk
Problem
How to send many different payments to multiple addresses efficiently?
Just like your might mass email a distribution list, it is possible to send payments in Blue Orion.

Solution
MultiSend let’s you pay various amounts, in various asset denominations, to various addresses... once or on certain dates.
PayList lets you manage your payments, to always know which are sent, and which are open.

Technical
Simply upload a CSV-File with a list of: public key, name, memo, amount, asset code, asset issuer, and date to be sent.
At no point does Blue Orion take custody or have knowledge of secret keys.
MultiSend

1) Download the provided CSV Sample for a formatted template
2) Customize the CSV with the destination addresses, amounts, assets, and dates to send
3) Name your Paylist and upload your CSV-File
## MultiSend

<table>
<thead>
<tr>
<th>Paylists</th>
<th>View payments already sent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paylists</td>
<td>Manage open payments</td>
</tr>
<tr>
<td>Paylists</td>
<td>Open payments can be cancelled at any time</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Upload</th>
<th>Queue</th>
<th>Sent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dividend (16)</td>
<td></td>
<td>8</td>
<td>12</td>
</tr>
<tr>
<td>Employees (6)</td>
<td></td>
<td>2</td>
<td>4</td>
</tr>
</tbody>
</table>
## MultiSend

### Detailed View

- See the payment plan details
- With a summary about the total amount of XLM and assets to be sent
- Open payments can be cancelled at any time

<table>
<thead>
<tr>
<th>Account</th>
<th>Send</th>
<th>MultiSend</th>
<th>Voucher</th>
<th>MyKeys</th>
<th>Proof</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paylist Payroll</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Summary (values rounded)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 total, 0 invalid, 3 signed, 1 sent, 0 send error</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>XLM Transactions</td>
<td>2</td>
<td>(2 XLM)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Asset Transactions</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Asset values summed up:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SMART:</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Transactions (values rounded)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. 1 SMART</td>
<td>Hans</td>
<td>09.05.2019</td>
<td>MultiSend ...</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>2. 1 SMART</td>
<td>Peter</td>
<td>09.05.2019</td>
<td>MultiSend ...</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. 1 XLM</td>
<td>Luke</td>
<td>09.05.2019</td>
<td>MultiSend ...</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. 1 XLM</td>
<td>Luke*lumen...</td>
<td>09.05.2019</td>
<td>MultiSend ...</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Cancel Open Transactions**
Crypto Services Platform

Problem
Most wallets are designed for consumers.
How can enterprise users and developers with more sophisticated use cases access readily available features and functionality?

Solution
Our crypto platform is a non-custodial web wallet with:
• value-add features,
• blockchain services, and
• smart contracts based on the Stellar blockchain.

Technical
Blue Orion takes a strong security approach.
Secret keys are not transmitted to our server.
No funds are held at any time by the application or server.
Sign into blueorion.cc for access to:

- **Balance**: Shows all assets, your total and available balance.
- **History**: All transactions, organized by month.
- **Schedule**: All payment schedules related to timed and recurring payments.
- **Assets**: Add and remove assets to your account.
- **MyContacts**: Assign names to public keys.
Crypto Services Platform

Sign in:

• Agree to Terms of Use
• Enter your public key to view your Stellar account
• Enter your private key to transact

Security:

• Blue Orion is a non-custodial wallet that gives full control of a user’s keys to the user and does not store or transmit a user’s secret keys to any server (all signing is done locally in browser).
Balance:

- Shows all assets
- Shows your total and available balance for each
Crypto Services Platform

History:

- All transactions, organized by month.
Crypto Services Platform

Schedule:

• All payment schedules related to timed and recurring payments.

Payments are grouped into schedules. Click on the menu link to see a list of all payments and the possibility to delete future payments of this schedule.

With Stellar Guard all payments within a schedule need to be signed, otherwise the whole schedule will be discarded.
Assets:

- Add and remove assets to your account.
Crypto Services Platform

**MyContacts:**
- Assign names to public keys.
Team (+6 active contributors)

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