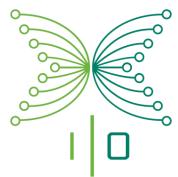
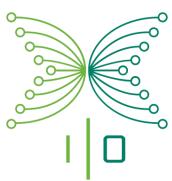
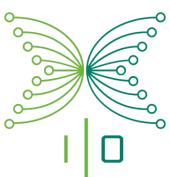


Frontend - Business Logic

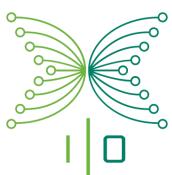




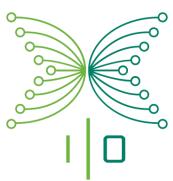
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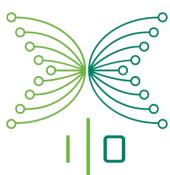
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Actors

Internal

Head Compliance Officer

The Head Compliance Officer (from now on HCO) is the highest in hierarchy amongst the compliance officers. Not only does HCO have access to the personal information of the user, but the HCO can also edit almost all of the personal information except for emails.

The HCO can only see users that have been referred by Customer Service officers.

Bank Transfer Management

Head Invoice Manager

The Head Invoice Manager (HIM) is the highest in the hierarchy amongst the invoice officers. The HIM is able to perform every single operation inside the Invoice Management cycle.

The HIM has access to every action that the Bank Checker, Bank Manager and Exporter performs, and the HIM also has access to some special actions, which due to their sensitiveness, they cannot be performed by the roles mentioned before, and must be handled by a specialist in the subject.

The HIM can see all the invoices that have received an invalid amount of funds, and can either refund the invoice to the buyer, or mark it as approved so it moves on with the regular invoice flow.

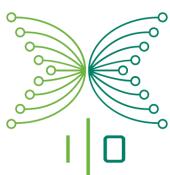
The HIM can also see all invoices awaiting for the sale to start, and force them to start the sale process.

Bank Manager

The Bank Manager is the responsible for notifying the Sales Application that there's been a Bank Transfer for a specific invoice, stating the bank which has received the transfer, and the amount in JPY that has been paid.

Bank Checker

The Bank Checker is the person responsible for confirming the information that the Bank Manager has provided, related to the Bank Transfer Payment.



Exporter

The Exporter is responsible for adding invoices to a bundle. Once they have enough invoices in the bundle, they will export it so then they can trade that USD amount in the bank for BTC in an Exchange Office. These BTC are transferred to the Holding Wallet address previously assigned to this Bundle, where it's split between every buyer's Invoice Ticket to continue the regular bitcoin payment process.

Compliance Approval

Compliance Officer

A Compliance Officer (CO) is the person in charge of reviewing users, checking whether a user is allowed to use the application or not.

Any time a buyer or a distributor enrolls, or if a buyer applies for a new tier (see buyer section), they are put into a 'PENDING' state. COs will see all users in that pending state, and has to review them in order to APPROVE or REJECT them, this action will either allow or ban them from the application.

If the CO cannot decide if that user should be approved or rejected from the application due to the complexity of the case or any other reason, they can send that user to the Chief Compliance Officer, which is higher in hierarchy.

Once the CO sends a user to the CCO, they are no longer able to APPROVE or REJECT that user.

Chief Compliance Officer

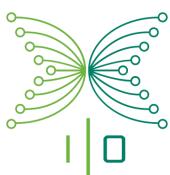
A Chief Compliance Officer (CCO) is an officer, who is higher in hierarchy than a regular Compliance Officer. Whenever there's an unreviewed user that CO cannot decide whether they should be approved or banned from the application, they send that user to the CCO queue.

Functionality-wise, CCOs use the same queue page as COs, but they only see users that have been sent to CCOs in that queue.

Customer Service

The CS officer is a role that caters to customers calling in. The officer will search for that customer based on their exact email-address to do specific actions. These actions include:

- Adding new personal files
- Leaving notes for the HCO so they can do a more specific action (changing personal information)
- Sending that user to the HCO for further action.



Investigator

The Investigator operates independently from the whole sales process. They proactively search for suspicious users or get hints from other officers of the system. When they find a suspicious user, they will investigate this user and note what has been suspicious. They also have direct contact with clients to warn them about any problems they have.

They personally(in person) contact the Customer Service who sends that user to the HCO, which in turn takes action on that user.

Admin

The admin is the most important role in the system. Admin can create all the partners, adds Compliance Officers and Customer Service Officers accounts. Admin also has access to the sale overview and sales simulator.

Sysop

System Operator is a role created to monitor over live application status from a technical perspective. This person has no access to the selling process itself, but only to the workers and some key parameters that allows the aforementioned to inspect the application's health.

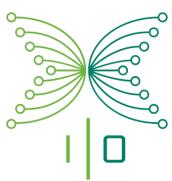
There are basically two sections a sysop user has access to:

- **SALE OVERVIEW** is a section where - like an admin - they can watch over the basic sales settings (*current Tranche, sale status, amounts, etc*) and simulate a sale scenario with the Simulator.
- **JOB MONITOR** is a section where the application's workers are displayed to check on each status. This means, if a Job has stalled, the sysop can check it directly without needing DB access.

External

Partner

Partner is a special type of distributor, that can only be invited by admin. Partners are at the very top of the distributor hierarchy and are getting the highest profits from ADA sales. They can also invite distributors ranging from tier 1 and below. In the code, it is sometimes referenced as tier 0.



Distributor

Distributor is a role that is in charge of recruiting other distributors and looking for potential ADA buyers. Distributors are divided in 3 tiers. Tier 1 is the highest and tier 3 is the lowest. It is only possible to invite distributors of a lower tier and for every buyer they or their invited distributors enroll, they will get a commission, which is a percentage of the purchase amount, in their btc wallet.

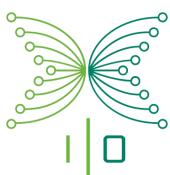
Buyer

Buyer is a user who purchases ADA. They are recruited by a Distributor or Partner. They can order ADA with the initial enrollment and by reordering. Once enrolled, they will be sent to Compliance Officers to be rejected or approved. When the account has been approved, they have the ability to

- Change their email address.
- Change account password.
- Look up on their purchase history.
- Regenerate ADA passcodes
- Reorder ADA.

Each of these processes are described in the section below.

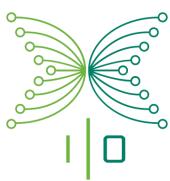
They will also be sent to Compliance Officer when exceeding the amount of ADA purchase limit of their Compliance Tier. In order to be approved, they will need to submit an application form required by the Compliance Officers.



Supported Languages

There are 4 different languages supported namely; Japanese, English, Korean and Chinese. However Japanese and English are the only languages supported for officers, while the sysop only has the English language available to them.

Role	Language available
Admin	English, Japanese
Bank Checker	English, Japanese
Bank Manager	English, Japanese
Buyer	English, Japanese, Korean, Chinese
Chief Compliance Officer	English, Japanese
Compliance Officer	English, Japanese
Customer Service	English, Japanese
Distributor	English, Japanese, Korean, Chinese
Exporter	English, Japanese
Head Compliance Officer	English, Japanese
Head Invoice Manager	English, Japanese
Investigator	English, Japanese
Partner	English, Japanese, Korean, Chinese
Sysop	English
Pages without a role (ex: login page)	English, Japanese, Korean, Chinese



Account Creation

This section will explain how to create certain types of accounts. These are split into 3 separate sections with each their own way of how to create them.

Direct Database

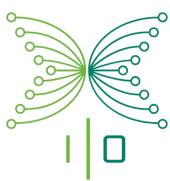
The accounts in this section have to be manually inserted into the database. The application itself can't create these users. You will need a tool that connects to the database to insert these.

To create your own password you'll need a "bcrypt" hash generator and replace the hash inside "services -> password -> bcrypt" with your own.

Admin

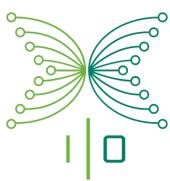
To add an Admin, use the following code as an example:

```
var admin = {
  "_id": ObjectId().valueOf(),
  "changelog" : [ ],
  "emails" : [
    {
      "verified" : true,
      "address" : "test-email+admin@iohk.io"
    }
  ],
  "roles" : [
    "admin"
  ],
  "createdAt" : ISODate("2015-09-13T08:56:29.324Z"),
  "services" : {
    "password" : {
      "bcrypt" : "$2a$10$sjIsfdD28n8JbE.zwNpv9.tRmsB6aVTNAYuqKPBgNhNtUOIhUlqgq"
    }
  },
}
```



```
"fuzzySearchEmails" : [
  {
    "normalized" : "testemail@iohk.io",
    "alias" : "admin"
  }
],
"personalInformation" : {
  "postaddress" : {},
  "name" : "Thomas",
  "surname" : "Lastname",
  "oldOriginatorIds" : [ ],
  "language" : "ja"
},
"oldEmails" : [
  {
    "value" : null,
    "changedAt" : ISODate("2016-01-14T11:32:07.717Z")
  },
  {
    "value" : "test-email+chiefcompliance@iohk.io",
    "changedAt" : ISODate("2015-09-13T08:56:29.324Z")
  }
],
"updatedAt" : ISODate("2016-09-26T01:38:09.551Z")
};

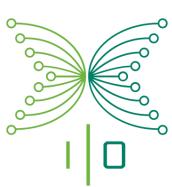
db.users.insert(admin);
```



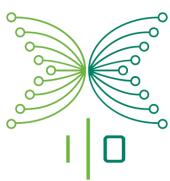
Chief Compliance Officer

To add a CCO, use the following code as an example:

```
var cco = {
  "_id": ObjectId().valueOf(),
  "changelog" : [ ],
  "emails" : [
    {
      "verified" : true,
      "address" : "test-email+chiefcompliance@iohk.io"
    }
  ],
  "roles" : [
    "chiefcompliance"
  ],
  "createdAt" : ISODate("2015-09-13T08:56:29.324Z"),
  "services" : {
    "password" : {
      "bcrypt" : "$2a$10$sjIsfdD28n8JbE.zwNpv9.tRmsB6aVTNAYuqKPBgNhNtUOIhUlqq"
    }
  },
  "fuzzySearchEmails" : [
    {
      "normalized" : "testemail@iohk.io",
      "alias" : "chiefcompliance"
    }
  ],
  "personalInformation" : {
    "postaddress" : {},
    "name" : "Thomas",
    "surname" : "Lastname",
    "oldOriginatorIds" : [ ],
  }
}
```



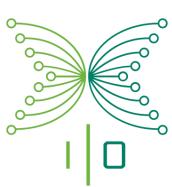
```
"language" : "ja"
},
"oldEmails" : [
{
  "value" : null,
  "changedAt" : ISODate("2016-01-14T11:32:07.717Z")
},
{
  "value" : "test-email+chiefcompliance@iohk.io",
  "changedAt" : ISODate("2015-09-13T08:56:29.324Z")
}
],
"updatedAt" : ISODate("2016-09-26T01:38:09.551Z")
};
db.users.insert(cco);
```



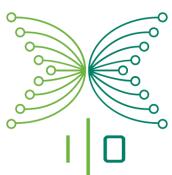
Head Compliance Officer

To insert a HCO, use the following code as an example:

```
var hco = {
  "_id": ObjectId().valueOf(),
  "changelog" : [ ],
  "emails" : [
    {
      "verified" : true,
      "address" : "test-email+hco@iohk.io"
    }
  ],
  "roles" : [
    "headCompliance"
  ],
  "createdAt" : ISODate("2015-09-13T08:56:29.324Z"),
  "services" : {
    "password" : {
      "bcrypt" : "$2a$10$sjIsfdD28n8JbE.zwNpv9.tRmsB6aVTNAYuqKPBgNhNtUOIhUlqgq"
    }
  },
  "fuzzySearchEmails" : [
    {
      "normalized" : "testemail@iohk.io",
      "alias" : "hco"
    }
  ],
  "personalInformation" : {
    "postaddress" : {},
    "name" : "Thomas",
    "surname" : "Lastname",
    "oldOriginatorIds" : [ ],
  }
}
```



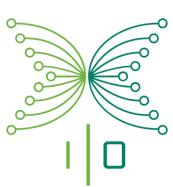
```
"language" : "ja"
},
"oldEmails" : [
{
  "value" : null,
  "changedAt" : ISODate("2016-01-14T11:32:07.717Z")
},
{
  "value" : "test-email+chiefcompliance@iohk.io",
  "changedAt" : ISODate("2015-09-13T08:56:29.324Z")
}
],
"updatedAt" : ISODate("2016-09-26T01:38:09.551Z")
};
db.users.insert(hco);
```



Investigator

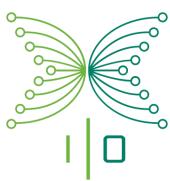
To insert a Investigator, use the following code as an example:

```
var investigator = {
  "_id": ObjectId().valueOf(),
  "changelog" : [ ],
  "emails" : [
    {
      "verified" : true,
      "address" : "test-email+investigator@iohk.io"
    }
  ],
  "roles" : [
    "investigator"
  ],
  "createdAt" : ISODate("2015-09-13T08:56:29.324Z"),
  "services" : {
    "password" : {
      "bcrypt" : "$2a$10$sjIsfdD28n8JbE.zwNpv9.tRmsB6aVTNAYuqKPBgNhNtUOIhUlqgq"
    }
  },
  "fuzzySearchEmails" : [
    {
      "normalized" : "testemail@iohk.io",
      "alias" : "investigator"
    }
  ],
  "personalInformation" : {
    "postaddress" : {},
    "name" : "Investigator",
    "surname" : "Service",
    "oldOriginatorIds" : [ ],
    "language" : "ja"
  },
}
```



```
"oldEmails" : [
  {
    "value" : null,
    "changedAt" : ISODate("2016-01-14T11:32:07.717Z")
  },
  {
    "value" : "test-email+ccs@iohk.io",
    "changedAt" : ISODate("2015-09-13T08:56:29.324Z")
  }
],
"updatedAt" : ISODate("2016-09-26T01:38:09.551Z")
};

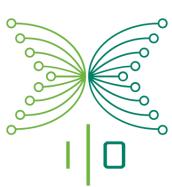
db.users.insert(investigator);
```



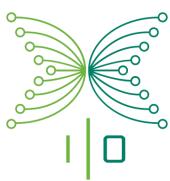
Bank Manager

To insert a Bank Manager, use the following code as an example:

```
var bankManager = {
  "_id": ObjectId().valueOf(),
  "changelog" : [ ],
  "emails" : [
    {
      "verified" : true,
      "address" : "test-email+bankManager@iohk.io"
    }
  ],
  "roles" : [
    "bankManager"
  ],
  "createdAt" : ISODate("2015-09-13T08:56:29.324Z"),
  "services" : {
    "password" : {
      "bcrypt" : "$2a$10$sjIsfdD28n8JbE.zwNpv9.tRmsB6aVTNAYuqKPBgNhNtUOIhUlqq"
    }
  },
  "fuzzySearchEmails" : [
    {
      "normalized" : "testemail@iohk.io",
      "alias" : "bankManager"
    }
  ],
  "personalInformation" : {
    "postaddress" : {},
    "name" : "Thomas",
    "surname" : "Lastname",
    "oldOriginatorIds" : [ ],
  }
}
```



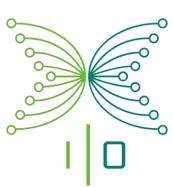
```
"language" : "ja"
},
"oldEmails" : [
{
  "value" : null,
  "changedAt" : ISODate("2016-01-14T11:32:07.717Z")
},
{
  "value" : "test-email+bankManager@iohk.io",
  "changedAt" : ISODate("2015-09-13T08:56:29.324Z")
}
],
"updatedAt" : ISODate("2016-09-26T01:38:09.551Z")
};
db.users.insert(bankManager);
```



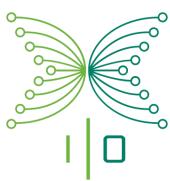
Bank Checker

To insert a Bank Checker, use the following code as an example:

```
var bankChecker = {
  "_id": ObjectId().valueOf(),
  "changelog" : [ ],
  "emails" : [
    {
      "verified" : true,
      "address" : "test-email+bankChecker@iohk.io"
    }
  ],
  "roles" : [
    "bankChecker"
  ],
  "createdAt" : ISODate("2015-09-13T08:56:29.324Z"),
  "services" : {
    "password" : {
      "bcrypt" : "$2a$10$sjIsfdD28n8JbE.zwNpv9.tRmsB6aVTNAYuqKPBgNhNtUOIhUlqq"
    }
  },
  "fuzzySearchEmails" : [
    {
      "normalized" : "testemail@iohk.io",
      "alias" : "bankChecker"
    }
  ],
  "personalInformation" : {
    "postaddress" : {},
    "name" : "Thomas",
    "surname" : "Lastname",
    "oldOriginatorIds" : [ ],
  }
}
```



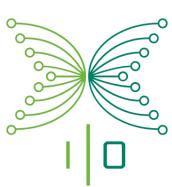
```
"language" : "ja"
},
"oldEmails" : [
{
  "value" : null,
  "changedAt" : ISODate("2016-01-14T11:32:07.717Z")
},
{
  "value" : "test-email+bankChecker@iohk.io",
  "changedAt" : ISODate("2015-09-13T08:56:29.324Z")
}
],
"updatedAt" : ISODate("2016-09-26T01:38:09.551Z")
};
db.users.insert(bankChecker);
```



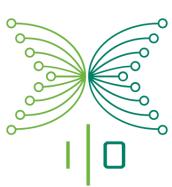
Exporter

To insert an Exporter, use the following code as an example:

```
var exporter = {
  "_id": ObjectId().valueOf(),
  "changelog" : [ ],
  "emails" : [
    {
      "verified" : true,
      "address" : "test-email+exporter@iohk.io"
    }
  ],
  "roles" : [
    "exporter"
  ],
  "createdAt" : ISODate("2015-09-13T08:56:29.324Z"),
  "services" : {
    "password" : {
      "bcrypt" : "$2a$10$sjIsfdD28n8JbE.zwNpv9.tRmsB6aVTNAYuqKPBgNhNtUOIhUlqqq"
    }
  },
  "fuzzySearchEmails" : [
    {
      "normalized" : "testemail@iohk.io",
      "alias" : "exporter"
    }
  ],
  "personalInformation" : {
    "postaddress" : {},
    "name" : "Thomas",
    "surname" : "Lastname",
    "oldOriginatorIds" : [ ],
  }
}
```



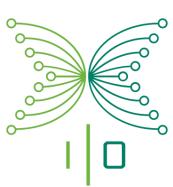
```
"language" : "ja"
},
"oldEmails" : [
{
  "value" : null,
  "changedAt" : ISODate("2016-01-14T11:32:07.717Z")
},
{
  "value" : "test-email+chiefcompliance@iohk.io",
  "changedAt" : ISODate("2015-09-13T08:56:29.324Z")
}
],
"updatedAt" : ISODate("2016-09-26T01:38:09.551Z")
};
db.users.insert(exporter);
```



Head Invoice Manager

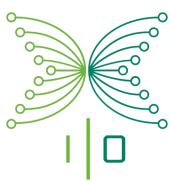
To insert a HIM, use the following code as an example:

```
var him = {
  "_id": ObjectId().valueOf(),
  "changelog" : [ ],
  "emails" : [
    {
      "verified" : true,
      "address" : "test-email+him@iohk.io"
    }
  ],
  "roles" : [
    "headInvoiceManager"
  ],
  "createdAt" : ISODate("2015-09-13T08:56:29.324Z"),
  "services" : {
    "password" : {
      "bcrypt" : "$2a$10$sjIsfdD28n8JbE.zwNpv9.tRmsB6aVTNAYuqKPBgNhNtUOIhUlqgq"
    }
  },
  "fuzzySearchEmails" : [
    {
      "normalized" : "testemail@iohk.io",
      "alias" : "him"
    }
  ],
  "personalInformation" : {
    "postaddress" : {},
    "name" : "Thomas",
    "surname" : "Lastname",
    "oldOriginatorIds" : [ ],
    "language" : "ja"
  },
}
```



```
"oldEmails" : [
  {
    "value" : null,
    "changedAt" : ISODate("2016-01-14T11:32:07.717Z")
  },
  {
    "value" : "test-email+him@iohk.io",
    "changedAt" : ISODate("2015-09-13T08:56:29.324Z")
  }
],
"updatedAt" : ISODate("2016-09-26T01:38:09.551Z")
};

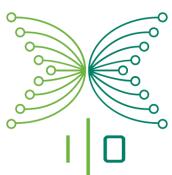
db.users.insert(him);
```



Sysop

To insert a Sysop, use the following code as an example:

```
var sysop = {
  "_id": ObjectId().valueOf(),
  "changelog" : [ ],
  "emails" : [
    {
      "verified" : true,
      "address" : "test-email+sysop@iohk.io"
    }
  ],
  "roles" : [
    "sysop"
  ],
  "createdAt" : ISODate("2015-09-13T08:56:29.324Z"),
  "services" : {
    "password" : {
      "bcrypt" : "$2a$10$sjIsfdD28n8JbE.zwNpv9.tRmsB6aVTNAYuqKPBgNhNtUOIhUlqgq"
    }
  },
  "personalInformation" : {
    "postaddress" : {},
    "name" : "Sysop",
    "surname" : "Sysop",
    "oldOriginatorIds" : [ ],
    "language" : "ja"
  },
  "oldEmails" : [
    {
      "value" : null,
      "changedAt" : ISODate("2016-01-14T11:32:07.717Z")
    }
  ]
}
```



```
},
{
  "value" : "test-email+sysop@iohk.io",
  "changedAt" : ISODate("2015-09-13T08:56:29.324Z")
}
],
"updatedAt" : ISODate("2016-09-26T01:38:09.551Z")
};
db.users.insert(sysop);
```

Admin Dashboard

These accounts are created by logging in as an admin and using the admin interface to create them.

Compliance Officer

In order to create a CO, an Administrator must login and select the option “Add Administrator” in the main dashboard menu. Then a form will be displayed, where the Name, Email and Password must be filled in.

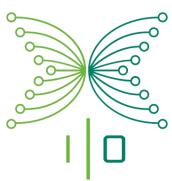
Once the button “Add Administrator” is clicked the user is created.

The screenshot shows the Admin Dashboard interface. On the left, there is a sidebar with the following menu items:

- attain admin
- test-email+admin@ionik.io
- SALE OVERVIEW
- GENERATE PARTNER LINK
- VIEW PARTNER LINKS
- ADD ADMINISTRATOR** (highlighted with a red arrow)
- ADD CS OFFICER
- BUYERS
- LOGOUT

On the right, a modal window titled "Add Compliance Administrator" is displayed. It contains three input fields: "Name", "Email Address", and "Password". Below the fields is a blue "Add Administrator" button. A red border surrounds the entire modal window.

All the other compliance related roles must be created through the Database.



Customer Service

In order to create a CS officer, an Administrator must login and select the option “Add CS Officer” in the main dashboard menu. Then a form will be displayed, where the Name, Email and Password must be filled in.

Once the button “Add user” is clicked the user is created.

The screenshot shows the Sales App interface. On the left, a sidebar menu has "ADD CS OFFICER" highlighted with a red arrow pointing to it. The main area displays a modal window titled "Add Customer Service Officer" with fields for Name, Email Address, and Password, and a "Add user" button. The background shows other menu options like "SALE OVERVIEW" and "VIEW PARTNER LINKS".

Enrollment

Enrolling is the only way external actors are able to enter the system. There are 3 different kinds of external actors who are able to enroll namely; Partner, Distributor and Buyer.

Partner

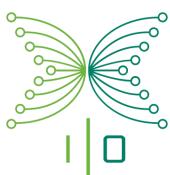
To enroll as a partner, you have to be invited by the Admin, this is the only way to get partnership.

Distributor

To enroll as a distributor, you will have to be invited by a partner or another distributor.

Buyer

To enroll as a buyer, you will have to be invited by a partner or another distributor.



Enrollment

Generate Links

Enrollment links can be generated by the Administrator, Distributor and Partner. Each of those roles have an option in their menu that generates an enrollment link to share with others.

To create a link choose one of the following menu items;

- *Generate Partner Link*
- *Generate Distributor Link*
- *Generate Buyer Link.*

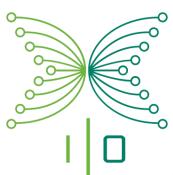
Generate Partner Link

When generating a partner link, you have the option to fill in the name and comments belonging to that link(these are optional). This link will only work once.

This can only be done by the Admin.

The screenshot shows the Sales App interface. On the left, there is a sidebar with a dark blue background. It displays the user's name "Admin" and email "test-email+admin@lohk.io". Below this are sections for "SALE OVERVIEW", "GENERATE PARTNER LINK" (which is highlighted with a red arrow pointing to it), "VIEW PARTNER LINKS", "ADD ADMINISTRATOR", "ADD CS OFFICER", "BUYERS", and "LOGOUT". At the bottom of the sidebar is the Attain Corporation logo. The main content area has a light gray background. A modal window titled "Generate Link" is open. It contains fields for "Link Name" and "Notes", both of which are currently empty. Below these fields is a section labeled "Link" with a blue border, containing the URL "http://localhost:3000/enroll/re4b36d3c1a0a48bab33". At the bottom of the modal is a blue "Generate Link" button. A red box surrounds the entire "Generate Link" modal.

After pressing “Generate Link”, the link will be displayed (Section A) so that the user can copy it, and share it to their enrollment contact.



Generate Distributor Link

When generating a distributor link, you can choose what tier that distributor will fall under which needs to be greater than your own; for example, a Partner can create Distributors of any tier, while a tier two Distributor would only be able to generate tier three or four links.

The One time link will only work once, meaning that it expires once it's used. The unlimited option will stay active as long you don't expire the link manually.

You can give the link a name as well to distinguish it from other links. The comment can be used for any extra information on this link.

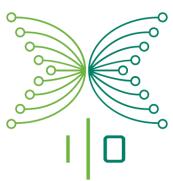
This can only be done by Distributors and Partners.

The screenshot shows the user interface of the Sales App. On the left, there is a sidebar with the following menu items:

- Howard Upton (User Name)
- test-email+Upton.Howard91@iohk.io (Email)
- MY ACCOUNT
- GENERATE DISTRIBUTOR LINK** (highlighted with a red arrow)
- GENERATE BUYER LINK
- BUYERS
- COMMISSIONS
- VIEW MY LINKS
- LOGOUT

On the right, a modal window titled "Generate Link" is displayed. This window contains the following fields:

- Tier Selection: Radio buttons for Tier 1, Tier 2, and Tier 3. Tier 1 is selected.
- Link Type: Radio buttons for One time and Unlimited. One time is selected.
- Link Name: An input field for the name of the link.
- Notes: A text area for additional comments.
- Generate Link: A blue button at the bottom of the modal.



Generate Buyer Link

When generating a buyer link, you have the option to select the type of link you want to create. The One time link will only work once expires. The unlimited option will stay active as long as you don't expire the link manually.

You can give the link a name as well, to distinguish it from other links. The comment can be used for any extra information on this link.

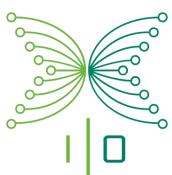
This can only be done by Distributors and Partners.

The screenshot shows the Sales App interface. On the left, there is a sidebar with the following menu items:

- OConnor Hayfa (User Name)
- test-email+Hayfa.OConnor18@iohk.io (Email)
- MY ACCOUNT
- GENERATE DISTRIBUTOR LINK
- GENERATE BUYER LINK** (highlighted with a red arrow pointing to the right)
- BUYERS
- COMMISSIONS
- VIEW MY LINKS
- LOGOUT

On the right, a modal window titled "Generate Link" is open. It contains the following fields:

- One time
- Unlimited
- Link Name: [Empty input field]
- Notes: [Empty input field]
- Generate Link** (Blue button)



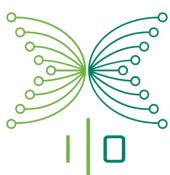
View Enrollment Links

To view the enrollment links created before, you can choose one of the following options on the side menu; View partner links or View my links. This page may look slightly different for partners.

The play icon expands the information and shows the created date and notes made on the link.

As viewed below, the different columns represent the different enrollment links. The distributor links on the left and the buyer on the right.

Link	Name	Tier	Level	Type	Status
a4ea5		2		onetime	Retired
7dcdd		2		onetime	Retired
abbe7					
6ed7f				onetime	Active
fdd48				onetime	Active



Enroll

To enroll, you have to follow certain steps, the enrollment starts with an url provided by a partner or distributor. After following the url, you will start at step 1 of the enrollment process.

Step 1:

The first step is selecting the *Language* and *Country of Residence*. The language selected here will be the language the interface will be in after creating your account as well.

For Vietnamese users, there will be a checkbox they are required to check. This checkbox makes sure the user understands that the agreements they sign will not be available in Vietnamese, but in English only. After selecting, click next for Step 2.

Please choose your residence

STEP 1 STEP 2 STEP 3 STEP 4

言語/ 사용 언어/ 使用語言/Your Language

English

居住国/거주 국가/居住地/Your Country of Residence

Japan

Next

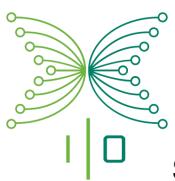
Step 2:

Here the enrollee has to provide their personal information. First they have to choose their account type; Personal or Corporation. If a corporation is chosen, the field “Corporation Name” will become available.

To verify the *Email Address*, a code will be send as soon as the user fills in the email and click “Receive Code”. After opening the email and copy and pasting the code in the box and clicking confirm code, the email address will be verified.

If entered *Zip Code* can't be automatically verified, a checkbox will show, having the user verify it manually.

If the enrollee is a buyer, option to input the amount of ADA (in USD) is available along with the payment options.



The user has to accept the policy at the bottom of the page. The policy file and language are defined by the settings file.

The image below shows the process for a distributor or partner.

Please fill out the enrollment form

STEP 1 STEP 2 STEP 3 STEP 4

Account Type

Last Name

First Name

Email Address

Email Verification Code
 Receive code Confirm code

Phone Number

Birthdate

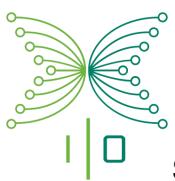
[Privacy Policy](#) [日本語](#)

I agree to the Privacy Policy

Back Next

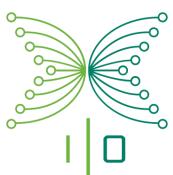
Frontend
Business Logic

The image below shows the process for a buyer.



Step 3:

In this step, the user has to accept any policies listed before continuing on to the next step.



Step 4:

The user can provide legal documents here proving their existence and legitimacy. There are different kinds of documents which can be attached; *National Health Insurance*, *Driver's Licence* and *Passport* are the default choices. If the document provided doesn't match any of the categories, "Other" can be selected instead.

The user has to agree that no "My Number" document has been provided, as this is illegal in Japan.

Please upload a copy of your ID

STEP 1 STEP 2 STEP 3 STEP 4

Please upload a copy of your ID

Do not upload your My Number document

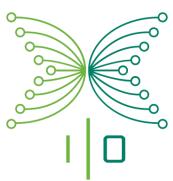
Select the type of your document.

National health insurance

ID Document

No files uploaded yet!

Check to confirm that you are not uploading a My Number document



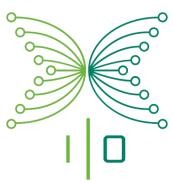
Sign Up

After you complete the enrollment form, you will receive a signup link in your email address (This only happens if you are a distributor. If you are a buyer, you'll have to reset your password in order to login). When you follow that link, a form will be displayed asking you to set a password, which you will need to log in to the application.

Create Password

Please set a password to log in:

Re-enter Password:



Log On

After you have an approved account, you can go to the login page and log on into the application. In the Section A you can complete the fields with your email and password and press the Login button.

If you already have a valid account but forgot your password, you can click the “Forgot password” link (Section B).

A

Welcome Back

English

EMAIL ADDRESS

PASSWORD

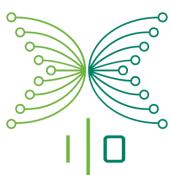
Login

Reorder

B

Forgot password?

Inquiry support@attaincorp.co.jp



Approval

Filter Users

Compliance Queue allows a user to search through different filters. In this section, these filters will be explained. For that, we decided to split them into different categories, according to the next screenshot.

The screenshot shows the 'Account Approval Workflow' page with several filter sections highlighted:

- A**: Toggable filters for Buyer, Distributor, Corporation, Individual, and tiers (A, B, C, D+).
- B**: Tabs for Recent (0), Unreviewed (43), Watching (3), Funds Received (0), CCO (5), and All (1643).
- C**: Countries dropdown with options Japan, South Korea, and Others.
- D**: Date range filters for From and To, and a search bar.
- E**: Advanced search fields for Surname, Name, and Email.

Below the filters, a table displays results found: 47. The columns include Progress, Surname, Name, Email, Country of Residence, Account Type, Compliance Level (Old/New), Indicators, and Current Reviewer. Each row has a 'Review' button.

Progress	Surname	Name	Email	Country of Residence	Account Type	Compliance Level (Old/New)	Indicators	Current Reviewer
■	中本	悟志	test-email+Odysseus.Fletcher5715@iohk.io	Japan	Individual, Buyer	- / B		<button>Review</button>
■	中本	悟志	test-email+Ella.Lancaster6795@iohk.io	Japan	Individual, Buyer	- / A		<button>Review</button>
■	中本	悟志	test-email+Tara.Terrell8023@iohk.io	Japan	Individual, Buyer	- / A		<button>Review</button>

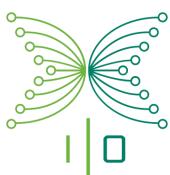
Section A:

These are togglable filters which means they can be turned on or off at will. These filters will return buyers (either corporation or individual) or distributors from the corresponding tier (A,B,C,D+).

Section B:

This contains the tabs on top center. This allows the CO to navigate between

- **Recent**: Users that have entered the compliance queue in the last week.
- **Unreviewed**: Users in pending state.
- **Watching**: Users that are being watched by the current CO.
- **Funds Received**: Users that have paid while being in pending state.
- **CCO**: Users sent to CCO, this only applies for the COO user.
- **All**: Every buyer and distributor in the application in pending state.

**Section C:**

Country filters allows to search users whose residence country is Japan, South Korea or Others.

Section D:

Date filters allows a CO to filter users who have entered compliance queue in a date range.

Section E:

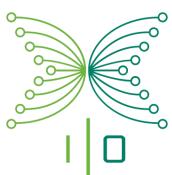
The search filter allows a CO to submit a search by Name, Surname or Email.

Review User

After you search for a user, a list of them will be displayed with some basic information of that user. If you want to see that user's information in more detail, you click the "review" button which will take you to the user summary page.

The screenshot shows the 'Account Approval Workflow' section of the Attain Dashboard. At the top, there are several filter buttons: 'Recent (7)', 'Unreviewed (29)', 'Watching (0)', and date range pickers for 'From' and 'To'. Below these are buttons for 'Funds Received (0)', 'CCO (0)', and 'All (30)'. A search bar includes a dropdown for 'Surname' and a 'Search' button. Underneath the filters, there are checkboxes for 'Countries': 'Japan' (checked), 'South Korea' (checked), and 'Others' (checked). A red arrow points from the text 'Current Reviewer' to a 'Review' button for the first user in the list. The user list table has columns: Progress, Surname, Name, Email, Country of Residence, Account Type, Compliance Level (Old/New), Indicators, and Current Reviewer. The first three users are shown:

Progress	Surname	Name	Email	Country of Residence	Account Type	Compliance Level (Old/New)	Indicators	Current Reviewer
Green	Cobb	Whilemina	test-email+Whilemina.Cobb75@iohk.io		Individual, Distributor	- / C	Commission Wallet	Review
Green	Gonzalez	Kaden	test-email+Kaden.Gonzalez91@iohk.io		Individual, Buyer	- / C		Review
Green	Kirk	Justina	test-email+Justina.Kirk4@iohk.io		Individual, Buyer	- / A		Review



Review user page is divided in two main components, one that shows all the information about that user, and the second part that shows other users with the same birthday.

The section A displays a series of buttons:

- **Back:** Go to the previous page.
- **Approve:** Approve the user.
- **Reject:** Rejects the user.
- **Watch:** Keep track of that user under the “watching” tab in the search page.
- **Send to CCO:** Send the user to CCO.

Section B shows all the user's information to check, and section C displays the images that the user uploaded to the web. If you click on one of these images it will be displayed in the center of the page.

A: Buttons

B: User Information Table

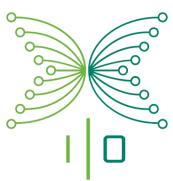
C: File Upload

ID	pf9Z2crcP7MyXkx7i
Account Type	Individual, Distributor
Name	Cobb Whilemina
Email	test-email+Whilemina.Cobb75@iohk.io
Status	Pending
Is the user under investigation?	
Birthdate	09/25/1947
Distributor level	Tier 1
Branch Partner	Leroy Sexton <test-email+Leroy.Sexton91@iohk.io>
Referred By	Leroy Sexton <test-email+Leroy.Sexton91@iohk.io>
Enrolled At	2月 7日 2016
Enrollment IP	
Phone	2055484514
Language	
Residence Country	

No document selected

Choose a file

Health Insurance Card



Sales App | Frontend - Business logic

You can rotate the image and also zoom in and out by scrolling with the mouse. If the image is inappropriate, you can delete it.

Attain Dashboard

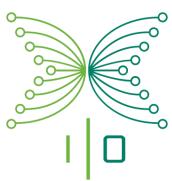
LOGOUT

Back	Approve	Reject	Watch	Send to CCO																														
<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td>ID</td><td>pf9Z2crcP7MyXkx7i</td></tr><tr><td>Account Type</td><td>Individual, Distributor</td></tr><tr><td>Name</td><td>Cobb Whilemina</td></tr><tr><td>Email</td><td>test-email+Whilemina.Cobb75@iohk.io</td></tr><tr><td>Status</td><td>Pending</td></tr><tr><td>Is the user under investigation?</td><td></td></tr><tr><td>Birthdate</td><td>09/25/1947</td></tr><tr><td>Distributor level</td><td>Tier 1</td></tr><tr><td>Branch Partner</td><td>Leroy Sexton <test-email+Leroy.Sexton91@iohk.io></td></tr><tr><td>Referred By</td><td>Leroy Sexton <test-email+Leroy.Sexton91@iohk.io></td></tr><tr><td>Enrolled At</td><td>2月 7日 2016</td></tr><tr><td>Enrollment IP</td><td></td></tr><tr><td>Phone</td><td>2055484514</td></tr><tr><td>Language</td><td></td></tr><tr><td>Residence Country</td><td></td></tr></table>					ID	pf9Z2crcP7MyXkx7i	Account Type	Individual, Distributor	Name	Cobb Whilemina	Email	test-email+Whilemina.Cobb75@iohk.io	Status	Pending	Is the user under investigation?		Birthdate	09/25/1947	Distributor level	Tier 1	Branch Partner	Leroy Sexton <test-email+Leroy.Sexton91@iohk.io>	Referred By	Leroy Sexton <test-email+Leroy.Sexton91@iohk.io>	Enrolled At	2月 7日 2016	Enrollment IP		Phone	2055484514	Language		Residence Country	
ID	pf9Z2crcP7MyXkx7i																																	
Account Type	Individual, Distributor																																	
Name	Cobb Whilemina																																	
Email	test-email+Whilemina.Cobb75@iohk.io																																	
Status	Pending																																	
Is the user under investigation?																																		
Birthdate	09/25/1947																																	
Distributor level	Tier 1																																	
Branch Partner	Leroy Sexton <test-email+Leroy.Sexton91@iohk.io>																																	
Referred By	Leroy Sexton <test-email+Leroy.Sexton91@iohk.io>																																	
Enrolled At	2月 7日 2016																																	
Enrollment IP																																		
Phone	2055484514																																	
Language																																		
Residence Country																																		

Choose a file

Health Insurance Card

Enrollee Name FIRST M LAST NAME	RxBIN 444444
Enrollee ID 2234567890	RxGrp 55555555
Issuer 987654321	Enrollment Date 01/01/2010
<small>This health plan is provided by ABC Health Insurance. While coverage remains in force, members are entitled to the benefits under the terms and conditions of the plan. This card is for identification purposes only and is not a guarantee of coverage. Definitions and conditions may apply. Call 800-222-1233 to talk to a ABC Health Insurance representative.</small>	



At the end of the user information, there is a section to add comments about that user, there are three types of comments:

- **Nikkei Telecom:** Nikkei Telecom is a company used by Attain to make a further analysis of the user. Any analysis they made is written here.
 - **Calls:** Logs that Compliance Officer takes when they call a user over telephone.
 - **Comment:** Comments for the Compliance Officer to leave a personal reminder, so they are the only ones who will be able to see it
- The Nikkei and Calls comments can be seen by any Compliance Officer.

Attain Dashboard

LOGOUT

Did user pass API zip check? This user has not done the check

Progress
 Reviewed

Nikkei Telecom

Nikkei Telecom Comment

Add comment

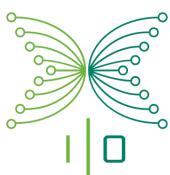
Calls

Call Comment

Add Call

Great Person

Save



At the bottom of the page, you will find the “Users with similar Birthday” section (Section A), this section is used to find users with duplicated accounts. A list of different users will be displayed and if you want to compare the information between them you can do click on the down arrow (Section B).

Attain Dashboard

LOGOUT

Add Call

Great Person

Save

A

Users with Same Birthday

Results found: 1

Progress	Surname	Name	Email	Country of Residence	Account Type	Compliance Level (Old/New)	Indicators	Current Reviewer
Green	Patton	Joel	test-email+Joel.Patton91@iohk.io		Individual, Buyer	A / -		B

B

Attain Dashboard

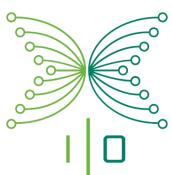
LOGOUT

Currently Reviewing

ID	pf9Z2crcP7MyXkx7i
Account Type	Individual, Distributor
Name	Cobb Whilemina
Email	test-email+Whilemina.Cobb75@iohk.io
Status	Pending
Is the user under investigation?	
Birthdate	09/25/1947
Distributor level	Tier 1
Branch Partner	Leroy Sexton <test-email+Leroy.Sexton91@iohk.io>
Referred By	Leroy Sexton <test-email+Leroy.Sexton91@iohk.io>
Enrolled At	2月 7日 2016
Enrollment IP	
Phone	2055484514
Language	
Residence Country	
Address	P.O. Box 120, 4007 Tortor. Av. Hastings, NI 123-1234
Did user pass API zip check?	This user has not done the check

User With Same Birthday

ID	33eK5mEqqCMSis5xY
Account Type	Individual, Buyer
Name	Patton Joel
Email	test-email+Joel.Patton91@iohk.io
Status	Approved
Birthdate	09/25/1947
Compliance Level (Old/New)	A / -
Branch Partner	Leroy Sexton <test-email+Leroy.Sexton91@iohk.io>
Referred By	Leroy Sexton <test-email+Leroy.Sexton91@iohk.io>
Enrolled At	3月 2日 2016
Enrollment IP	
Phone	2025004692
Language	
Residence Country	
Address	P.O. Box 669, 6731 Tristique Avenue Ede, Gelderland 123-1234
Did user pass API zip check?	This user has not done the check



When you hover over any attribute, a blue line will display where that information is for both users.

Attain Dashboard

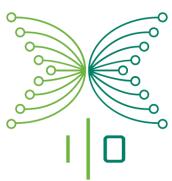
LOGOUT

Currently Reviewing

ID	pf9Z2crcP7MyXkx7i
Account Type	Individual, Distributor
Name	Cobb Whilemina
Email	test-email+Whilemina.Cobb75@iohk.io
Status	Pending
Is the user under investigation?	
Birthdate	09/25/1947
Distributor level	Tier 1
Branch Partner	Leroy Sexton <test-email+Leroy.Sexton91@iohk.io>
Referred By	Leroy Sexton <test-email+Leroy.Sexton91@iohk.io>
Enrolled At	2月 7日 2016
Enrollment IP	
Phone	2055484514
Language	
Residence Country	
Address	P.O. Box 120, 4007 Tortor. Av. Hastings, NI 123-1234
Did user pass API zip check?	This user has not done the check

User With Same Birthday

ID	33eK5mEqqCMSis5xY
Account Type	Individual, Buyer
Name	Patton Joel
Email	test-email+Joel.Patton91@iohk.io
Status	Approved
Birthdate	09/25/1947
Compliance Level (Old/New)	A / -
Branch Partner	Leroy Sexton <test-email+Leroy.Sexton91@iohk.io>
Referred By	Leroy Sexton <test-email+Leroy.Sexton91@iohk.io>
Enrolled At	3月 2日 2016
Enrollment IP	
Phone	2025004692
Language	
Residence Country	
Address	P.O. Box 669, 6731 Tristique Avenue Ede, Gelderland 123-1234
Did user pass API zip check?	This user has not done the check



Approve or Reject User

Once the buyer or distributor has enrolled, they will be sent to Compliance Officer(CO) and be reviewed. The CO will review the user and based on the information given and either *APPROVE* or *REJECT* them. In the case the CO is unsure, the CO can send the user to the Chief Compliance Officer who also has the option to *APPROVE* or *REJECT*. Approved users will be able to use application depending on their role. For more details about what user have access to, see the external actors section.

In more rare cases, when a user gets sent to the Head Compliance Officer, the HCO has the option to change the user's status regardless of their previous status.

Standard way of approving or rejecting by a CO or CCO.

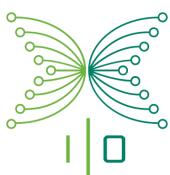
Attain Dashboard

LOGOUT

Back	Approve	Reject	Watch	Send to cco
ID	LdQCsJmptyhrASMu			
Account Type	Individual, Buyer			
Name	な子 て口			
Email	test-email+Baker.Kirkland1713@iohk.io			
Status	Pending			
Birthdate	03/18/1996			
Compliance Level (Old/New)	A / A			
USD Requested	\$1,500			
Branch Partner	んさ し雲 <test-email+Gary.Burton655@iohk.io>			
Referred By	んさ し雲 <test-email+Gary.Burton655@iohk.io>			
Enrolled At	2月 9日 2016			
Enrollment IP	111.22.333.444			
Phone	(+64-07-543-4558)			
Language	ja			
Residence Country	Japan			
Address	P.O. Box 248, 1697 Rutrum Av. Tokyo, MA 3112			
Did user pass API zip check?	This user has not done the check			

No document selected

Choose a file



For HCO, changing user's birthdate looks like the following, and demands him to enter his password.

Attain Dashboard LOGOUT

Back	Done
ID	Wcggn63wpZM5SK79jo
Account Type	Corporation, Buyer
Company Name	Good Times
Registration Date	11/10/2015
Name	逃子 蜜い
Email	test-email+Cassidy.Fry5214@iohk.io
Status	Approved
Birthdate	03/19/1954
<input type="button" value="Edit"/>	
Birthdate 1954-03-31	
アカウントを承認する	
<input type="password" value="Confirm Password"/>	
<input type="button" value="Update Birthdate"/>	
Compliance Level (Old/New)	A / -
USD Requested	\$2,245
Branch Partner	にに 波口 <test-email+Caldwell.Kidd3861@iohk.io>
Referred By	にに 波口 <test-email+Caldwell.Kidd3861@iohk.io>

No document selected Choose a file

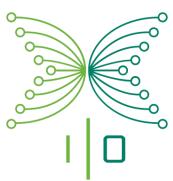
Send to Chief Compliance Officer

If there is a verification that exceeds the Compliance Officer's domain or they simply want the Chief Compliance Officer to take care of this review, the CO can send this user to the CCO. This user will be blocked for any other CO until the CCO completes the review.

Attain Dashboard LOGOUT

Back	Approve	Reject	Watch	Sent to CCO
ID	YetQkMyeZNzbtN6L2			
Account Type	Individual, Buyer			
Name	鳥日 美ビ			
Email	test-email+Joel.Bowers6391@iohk.io			
Status	Pending			
Birthdate	03/15/1998			
Compliance Level (Old/New)	- / A			
USD Requested	\$1,000			
Branch Partner	にき さ司 <test-email+Jordan.Ward7648@iohk.io>			
Referred By	にき さ司 <test-email+Jordan.Ward7648@iohk.io>			
Enrolled At	8月 7日 2016			
Enrollment IP	111.22.333.444			
Phone	08070036218			
Language	ja			
Residence Country	Japan			

No document selected Choose a file



After the “Send to CCO” button is clicked and the action confirmed, a message will indicate that the user is under CCO review, and the *Approve/Reject* options are not available.

Attain Dashboard LOGOUT

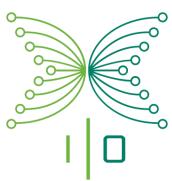
[Back](#) [Watch](#)

This user is already under review by the CCO ←

ID	Yet0kMYeZNzbtN6L2
Account Type	Individual, Buyer
Name	鳥日 美ビ
Email	test-email+Joel.Bowers6391@iohk.io
Status	Pending
Birthdate	03/15/1998
Compliance Level (Old/New)	- / A
USD Requested	\$1,000
Branch Partner	にき さ司 <test-email+Jordan.Ward7648@iohk.io>
Referred By	にき さ司 <test-email+Jordan.Ward7648@iohk.io>
Enrolled At	8月 7日 2016
Enrollment IP	111.22.333.444
Phone	08070036218

No document selected

Choose a file



Invoice Tickets

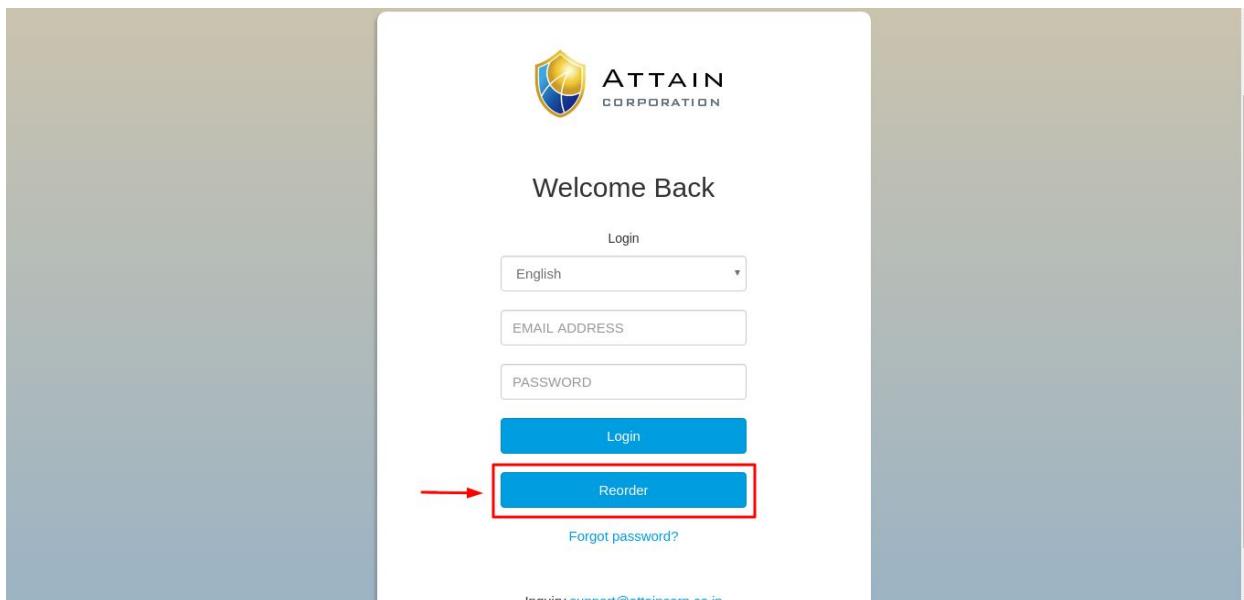
Reorder

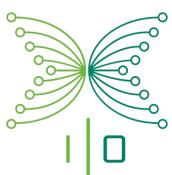
The reordering of ADA can be done in two ways:

- From the login page.
- From the reorder page (after a buyer is logged in).

Reorder ADAs from Login Page

On the login page, you will see a button to reorder. Once you click it, it will bring you to the reorder page. There you can select your language and you'll need to fill in your email which needs to be checked before you can reorder.



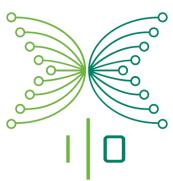


The screenshot shows a modal window titled "Reorder ADA". It contains two sections, A and B. Section A is labeled "Select Language" with a dropdown menu set to "English". Section B is labeled "Email Address" with an input field containing "kalyhav@hotmail.com". At the bottom are two buttons: "Order" (blue) and "Confirm Email Address" (green). A small letter "C" is positioned next to the green button.

Frontend
Business Logic

After your email is verified, more options will appear, the ones under Section A are the same for all the users but the “*Payment Method*” under Section B is only for users whose residence country is configured in a way that allows both bitcoin and Bank payments. When you complete all the fields and agree to the terms you can click the “Order” button to reorder ADAs.

The screenshot shows the same modal window as above, but with additional fields and sections. Section A now includes a text input field with the placeholder "Please enter the USD amount you wish to exchange into ADA". Section B includes a dropdown menu labeled "(Select One)". Section C contains two groups of checkboxes: "User Policy 日本語" (checkboxes for "I agree to the User Policy" and "I understand the Risks") and "Possible Risks 日本語" (checkbox for "I understand the Risks"). The "Order" and "Reset" buttons are at the bottom.



Reorder ADAs from Buyers Dashboard

The other way to reorder ADA is from the reorder page. After a buyer logs in and selects the “*Reorders*” button on the left it will take them to the reorder page.

This page is very similar to the reorder without login, but you don’t have to input your email. Just like the other reordering process, the Section A is equal for all the users, and Section B is only for the users whose residence country is configured in a way that allows both bitcoin and Bank payments.

Berger Leroy
test-email+Leroy.Berger95@iohk.io

MY ACCOUNT

REORDERS ←

PURCHASES

LOGOUT

ATTAIN CORPORATION

Reorder ADA

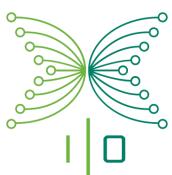
A Please enter the USD amount you wish to exchange into ADA

B Payment Method
(Select One)

User Policy 日本語
 I agree to the User Policy

Possible Risks 日本語
 I understand the Risks

Order

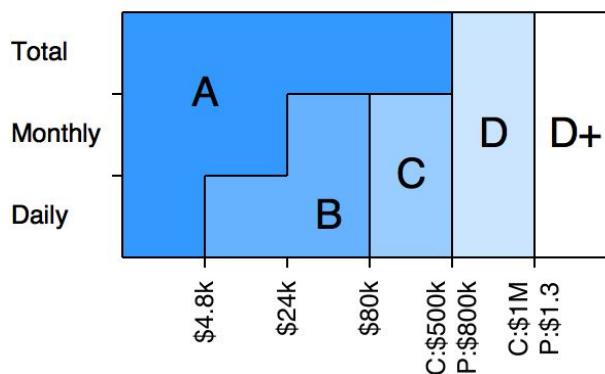


Compliance Standard

A Compliance Tier is a feature that limits the amount of Ada that a buyer can purchase. These limits are applied on the daily, monthly and total purchased quantity.

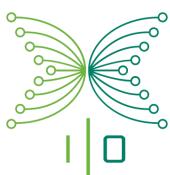
Compliance tier scales from A (lowest level) to D+ (highest level), and every time a buyer exceeds their current compliance tier limit, they must go through compliance approval again. When they are approved, they are set in the new compliance tier.

The tiers are calculated from the start of a new calendar day or the start of the new calendar month. If an order is made just before midnight and the next just after, the tier won't change unless it exceeds the monthly limit. Just as an order made on the first day of the month won't count towards the monthly limit of the previous month and won't increase the tier.



Tiers A-D

Account Type	Limit Type	USD Amount (up to)	Compliance Tier
Personal	Daily	4,800	A
	Monthly	24,000	B
		80,000	C
	Total	800,000	D
Company	Daily	4,800	A
	Monthly	24,000	B
		80,000	C
	Total	500,000	D



Tier D+

Once a buyer has reached D level, their compliance tier will no longer be recalculated, but they'll still have to go through compliance approval each time their total amount exceeds their last tier limit plus 500,000 USD. This behaviour will be repeated until the buyer has purchased a total amount of 5,800,000 USD (if the account type is Personal) or 5,000,000 USD (if the account type is Company). Once that amount has been exceeded, then they will no longer have to be approved by a Compliance Officer.

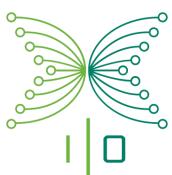
Cancel Order and Expiration

Both Bitcoin and Bank Transfer invoices have a time deadline to receive payment. If the invoice does not get paid before that deadline passes, it will be moved to an Expired state. Once that invoice has been expired, it cannot be paid. In that case, the user will have to create a new invoice. These tickets are shown in the “Expired” tab and only the Head Invoice Manager and the Bank Manager can see them.

NAME	INVOICE #	PAYMENT METHOD	STATE	CREATED AT	ORDERED AMOUNT	YEN RECEIVED	SATOSHIS EXPECTED	SATOSHIS RECEIVED
黒蟹 難好	596566	Bank	L	9月 15日 2015	\$5,000	¥0	₿0	₿0
赤才 子は	546595	Bank	V	9月 16日 2015	\$1,000	¥0	₿0	₿0

If for some reason the COs consider that the invoice is suspicious (and still hasn't been paid), they have the authority to cancel it. In that state, it also cannot be paid or moved. These two states (Canceled and Expired) are considered final states, so they are dead ends in the invoice flow.

When a buyer gets rejected by the Compliance Officer, all of their unpaid invoices are automatically canceled.



Waiting for Sale to Start

When tickets are in “*waiting for sale to start*” state they are essentially paused. The tickets will not get processed and are in a queue until the next sale starts. Tickets on top of the queue will be processed first when the new sale starts.

These tickets can be seen it by Head invoice manager in the “Sale Pending” tab.

Atain Dashboard LOGOUT

Head Invoice Manager

Sale Pending (1)

Unpaid Invoices (1)

Confirm Bank Amount (1)

Sent to Bank Checker (1)

Prepare Bundle (0)

Current Bundle (2)

Bundles (1)

Export (144)

Expired (5622)

Invalid Funds Received (0)

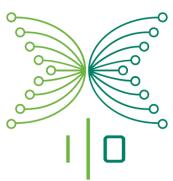
BTC Orders (4)

Receipt Sent (7642)

Force Reserve ADA (0)

From To Invoice Number Search

NAME	INVOICE #	PAYMENT METHOD	STATE	CREATED AT	ORDERED AMOUNT	YEN RECEIVED	SATOSHIS EXPECTED	SATOSHIS RECEIVED
Hiroto Shioi	1008696	Btc	L	1月 25日 2017	\$100,000	¥0	฿0	฿0



Forced ADA Reservation

If for some reason the Head invoice manager determines that a stalled ticket can be sold, he can force the ADA reservation for that ticket. By doing this the ticket is moved to the next state and the buyer can continue the purchase process.

Attain Dashboard LOGOUT

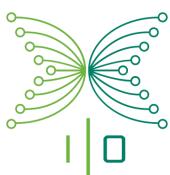
Are you sure you want to force this ticket to reserve ADA?

Cancel Confirm

Sale Pending (1)	Prepare Bundle (0)	Current Bundle (2)	From	To
Sent to Bank Checker (1)	Export (144)	Expired (5622)	<input type="text"/> Invoice Number	<input type="button" value="Search"/>
Bundles (1)				
Invalid Funds Received (2)	BTC Orders (6)	Receipt Sent (7642)		
Force Reserve ADA (1)				

NAME	INVOICE #	PAYMENT METHOD	STATE	CREATED AT	ORDERED AMOUNT	YEN RECEIVED	SATOSHIS EXPECTED	SATOSHIS RECEIVED	Actions
Davis Kemlers	1008699	Btc	L	1月 25 日 2017	\$99,999,999	¥0	฿0	฿0	

Force reserve ADA

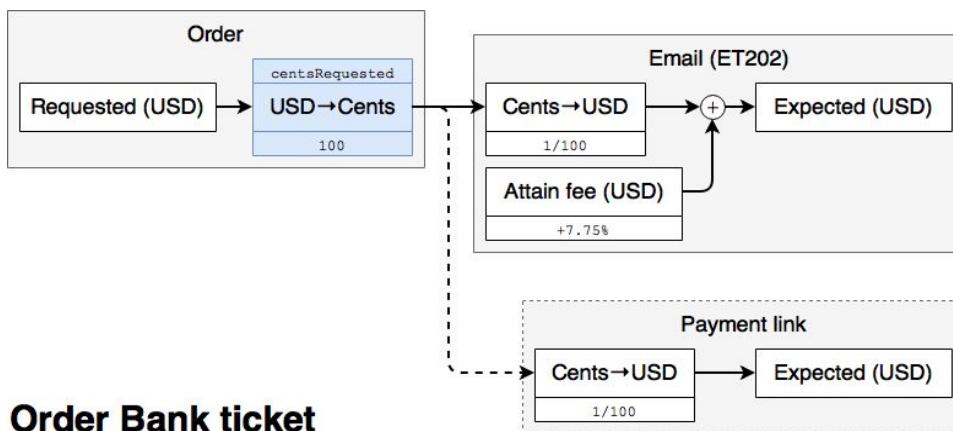


Bank Tickets

Value Calculations

When the buyer creates a Bank Invoice, he will manually enter the USD amount he wishes to convert to ADA. After he has transferred the corresponding USD (or YEN) to one of Attain's Bank accounts, the Bank Invoice Management flow starts.

In this stage, the system will calculate the expected USD, adding the Attain fee (7,75%) to the USD amount entered by the buyer.

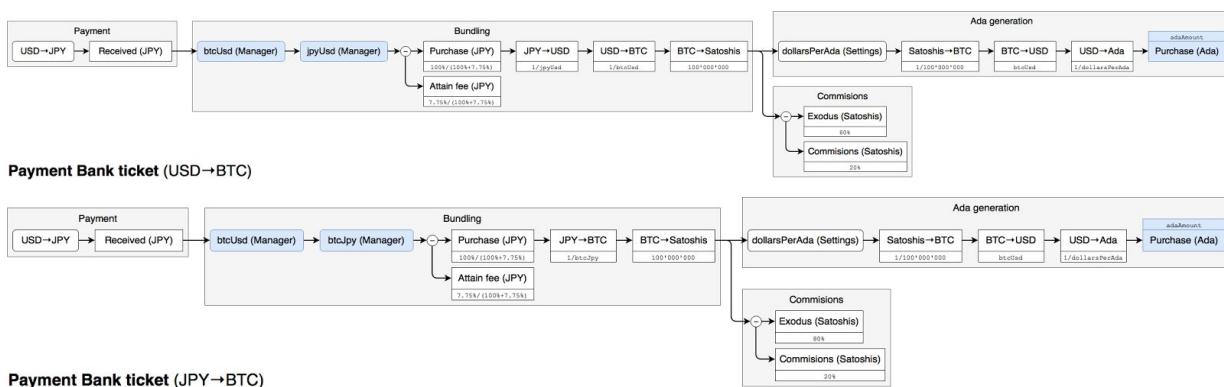


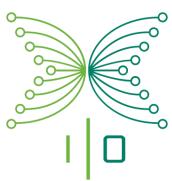
Order Bank ticket

At a certain point of the flow (see Bundle bank tickets section), that transferred money will be used to purchase BTC, along with some sibling orders bundled in one single buy.

There's a double check between the exchange rate at which the Attain's personnel (Exporter) has purchased the BTCs, and the exchange rate obtained from internet providers (Same as BTC Invoices, for more detail please address to *Misc/Bitcoin Pricing*).

The app can calculate the corresponding ADA in two different ways, according to the exchange rate at which the Exporter has purchased the BTCs.





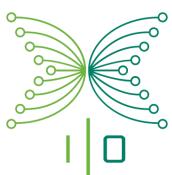
Receiving the Invoice

After a buyer creates a bank invoice, they will receive the invoice receipt in their email account with the information on how to pay that invoice. This means that the email will contain:

- The bank account where money can be transferred to in order to pay the invoice . Application supports two banks, Sumitomo Mitsui Banking Corporation and Kansai Urban Banking Corporation. Transfers can only be done to one of them.
- Amount in JPY
- A link to get the actual exchange rate from USD to JPY

Paying the Invoice

When the bank transfer is complete, the internal bank ticket management flow will begin. At this point in the process, the buyer will not have to do anything, except waiting for this step to be completed in order to receive the Ada.



Bank Ticket Management

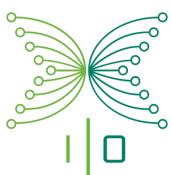
In each stage of the Bank Ticket Management, you will see that every screen has the same filters in the top right corner. These are common filters which can be used in each stage of the bank ticket flow.

The user will be able to search invoices by

- Creation date (from-to filters)
- Invoice number
- Buyer Id
- Invoice transaction Id
- Payout transaction Id
- Invoice wallet or bank (dropdown menu)

The screenshot shows the Attain Dashboard with the following interface elements:

- Header:** Attain Dashboard, LOGOUT
- Top Bar:** Prepare Bundle (1), Current Bundle (0), Bundles (2), Export (137)
- Section Title:** Exporter
- Table Headers:** NAME, INVOICE #, PAYMENT METHOD, STATE, CREATED AT, ORDERED AMOUNT, YEN REC
- Table Data:** John Doe, 1004400, Bank, ✓, 1月 17日 2017, \$1,234, ¥1,234
- Buttons:** Add to Export
- Filtering:** A dropdown menu is open, highlighted with a red box. It includes fields for From and To dates, a search bar, and a dropdown menu with options: Invoice Number, Buyer Id, Invoice Transaction Id, Payout Transaction Id, Invoice Wallet, and Bank. An arrow icon points to the Bank option.



Entering Bank Transfer Information

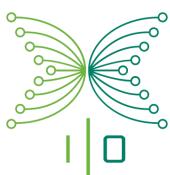
The first action that must be taken when a bank invoice is created, is to confirm the bank transfer information. This action is performed by the Bank Manager who will manually input the amount of JPY for the bank transfer, then select the bank from which the transfer was made.

Once the information has been filled in and after clicking Funds Received, the Bank Manager will see a popup to confirm that the information that was set is correct. When the Bank Manager confirms, the ticket moves on to the next stage which is the double confirmation by the Bank Checker.

The screenshot shows the Attain Dashboard with the title "Bank Manager". At the top, there are three buttons: "Unpaid Invoices (1)", "Sent to Bank Checker (0)", and "Expired (3119)". Below these are filters for "From" and "To" dates, and a search bar with a dropdown for "Invoice Number".

NAME	INVOICE #	PAYMENT METHOD	STATE	CREATED AT	ORDERED AMOUNT	YEN RECEIVED	SATOSHIS EXPECTED	SATOSHIS RECEIVED
John Doe	1004400	Bank	✓	1月 17日 2017	\$1,234	¥0	฿0	฿0

At the bottom, there is a row with a currency selector (¥), a dropdown menu for "Select a bank", and a blue button labeled "Funds Received". A circled arrow icon is located at the top right of the table header.



In the other tabs, the Bank Manager can also see the expired invoices and the invoices that they already sent to the Bank Checker.

NAME	INVOICE #	PAYMENT METHOD	STATE	CREATED AT	ORDERED AMOUNT	YEN RECEIVED	SATOSHIS EXPECTED	SATOSHIS RECEIVED
桃味 金雲	1008684	Bank	✓	1月 24 日 2017	\$1,001	¥100,100	฿0	฿0

Frontend
Business Logic

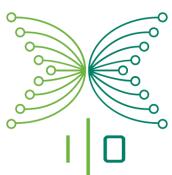
Double Check Transfer Information

The Bank Checker's job is to check if the information received from the Bank Manager is correct. The Bank Checker can either confirm the payment, or send it back to the Bank Manager, marking it as unpaid.

When the Bank Checker confirms that the invoice payment is correct, the Bank Checker will send the invoice to the Exporter, which is then responsible for creating the Bundle that will then be exchanged for Btc in order to get the Ada.

NAME	INVOICE #	PAYMENT METHOD	STATE	CREATED AT	ORDERED AMOUNT	YEN RECEIVED	SATOSHIS EXPECTED	SATOSHIS RECEIVED
John Doe	1004400	Bank	✓	1月 17 日 2017	\$1,234	¥1,234	฿0	฿0

Mark Unpaid Confirm Payment



Bundle Bank Tickets

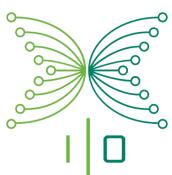
An Exporter is someone who is responsible of creating invoice bundles which they will use to trade in that bundle at an exchange for BTC, which will then be transformed into Ada.

The first step is to start adding the invoices to the current bundle. To do so, in the “*Prepare Bundle*” tab, the Exporter will have to click on the “*Add to Export*” button.

The screenshot shows the Attain Dashboard with the title "Attain Dashboard" and "Logout" in the top right. Below the title is a header bar with four buttons: "Prepare Bundle (3)", "Current Bundle (0)", "Bundles (2)", and a search bar with date pickers for "From" and "To". Below the header is a search bar with a dropdown for "Invoice Number" and a "Search" button. The main area is titled "Exporter". It displays two tables of invoices. The first table has one row for "John Doe" with invoice # 1004400, payment method "Bank", state checked, created at 1月 17日 2017, ordered amount \$1,234, yen received ¥1,234, satoshis expected \$0, and satoshis received \$0. The second table has one row for "John Doe" with invoice # 1004401, payment method "Bank", state checked, created at 1月 17日 2017, ordered amount \$1,000, yen received ¥1,000, satoshis expected \$0, and satoshis received \$0. A red arrow points to the "Add to Export" button in the first table's row.

NAME	INVOICE #	PAYMENT METHOD	STATE	CREATED AT	ORDERED AMOUNT	YEN RECEIVED	SATOSHIS EXPECTED	SATOSHIS RECEIVED
John Doe	1004400	Bank	✓	1月 17日 2017	\$1,234	¥1,234	\$0	\$0

NAME	INVOICE #	PAYMENT METHOD	STATE	CREATED AT	ORDERED AMOUNT	YEN RECEIVED	SATOSHIS EXPECTED	SATOSHIS RECEIVED
John Doe	1004401	Bank	✓	1月 17日 2017	\$1,000	¥1,000	\$0	\$0



After doing that, the invoices that were added to the bundle will be displayed in the tab “*Current Bundle*”. This is a temporary stage that allows the Exporter to add as many invoices as they want to that bundle. When the Exporter is finished adding invoices to the bundle, the button “*Bundle Payments for Export*” has to be pressed, which will then create an actual bundle where invoices can no longer be added or removed.

Attain Dashboard

LOGOUT

EXPORTER

Prepare Bundle (1) Current Bundle (2) Bundles (2)

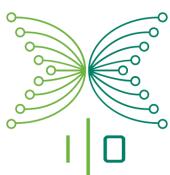
From To

Invoice Number Search

Currently you have 2 paid orders with the amount of ¥2,234 to be exported

Bundle Payments for Export

NAME	INVOICE #	PAYMENT METHOD	STATE	CREATED AT	ORDERED AMOUNT	YEN RECEIVED	SATOSHIS EXPECTED	SATOSHIS RECEIVED
John Doe	1004400	Bank	✓	1月 17 日 2017	\$1,234	¥1,234	฿0	฿0
John Doe	1004401	Bank	✓	1月 17 日 2017	\$1,000	¥1,000	฿0	฿0



Sales App | Frontend - Business logic

After creating the Bundle, it will appear in the Bundles tab. Here, once the Exporter has purchased the BTC, he will have to manually set the exchange rates, either between YEN -> BTC or USD -> BTC before finalizing the payments bundle.

Note: The BTC must only be transferred to the invoice wallets after finalizing the payments bundle.

When the Bundle is finalized, it's moved to the Export tab, from where it can be downloaded into a csv file.

Attain Dashboard

LOGOUT

Prepare Bundle (1) Current Bundle (0) Bundles (3)

From To

Export (137) Invoice Number Search

BUNDLED ON EXPORT ID TOTAL YEN AMOUNT SALES

9月 15 日 2016 mrcLnSa9zEjYKsFBn ¥220,860 2

YEN -> BTC BTC/USD Finalize Payments Bundle

USD -> BTC BTC/JPY

INVOICE # BUYER ID CREATED AT YEN RECEIVED

1004244 22YmvvJh6R3MbK4W5 9月 15 日 2016 ¥110,430

1004213 MRbQvB9q33ZNwEQP3 9月 15 日 2016 ¥110,430

FINALIZED TIMESTAMP EXPORT ID HOLDING WALLET ADDRESS SALES TOTAL AMOUNT

10月 2 日 2015 25rBWMMnXv7K2FLwpC 2 \$0 BTC

Download

INVOICE # BUYER ID CREATED AT YEN RECEIVED

202437 4A3438yQFL4to9xD8 11月 16 日 2015 ¥5,000,000

301816 hGEBYTkHzoKTS2y3G 11月 16 日 2015 ¥2,500,000

Export page:

Attain Dashboard

LOGOUT

Exporter

Prepare Bundle (1) Current Bundle (0) Bundles (3)

From To

Export (137) Invoice Number Search

FINALIZED TIMESTAMP EXPORT ID HOLDING WALLET ADDRESS SALES TOTAL AMOUNT

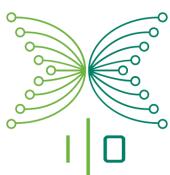
10月 2 日 2015 25rBWMMnXv7K2FLwpC 2 \$0 BTC

Download

INVOICE # BUYER ID CREATED AT YEN RECEIVED

202437 4A3438yQFL4to9xD8 11月 16 日 2015 ¥5,000,000

301816 hGEBYTkHzoKTS2y3G 11月 16 日 2015 ¥2,500,000



Transfer Funds to the Holding Wallet

Before finalizing the Bundle, the Exporter goes to an Exchange office where invoices can be traded in for BTC. These BTC are transferred to the Holding Wallet address, previously assigned to this Bundle. Once confirmed, it will be splitted again into each buyer's Invoice Ticket, and continue the regular bitcoin payment process from there.

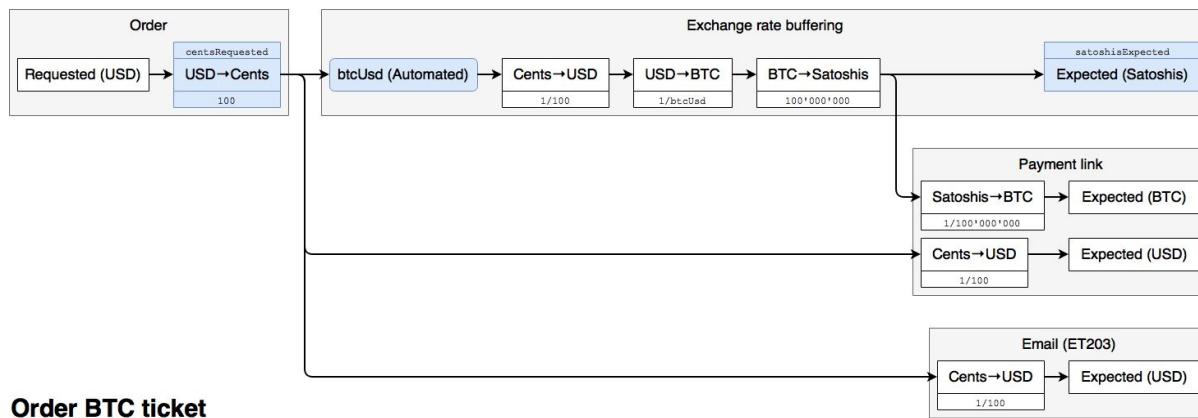
Receiving Ada

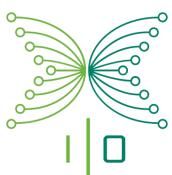
After the invoice management flow is completed, a receipt with a code named "Ada Passcode" will be send to the buyer's email account, which will be used to retrieve ADAs at a later date once the blockchain is active.

Btc Tickets

Value Calculations

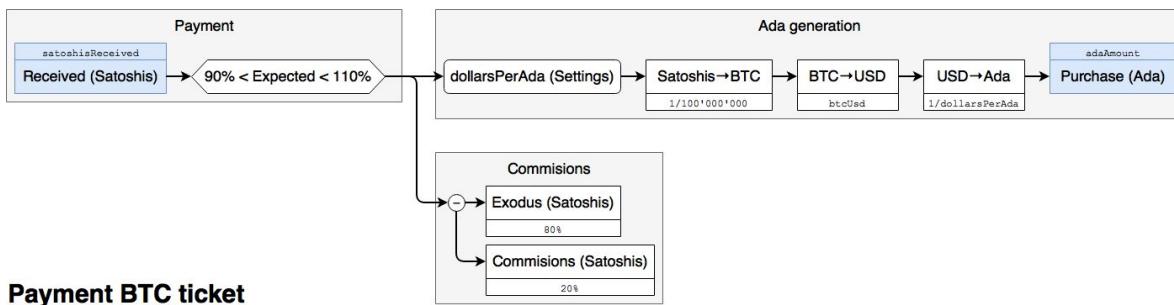
When the invoice is created, the buyer must input the desired amount of USD he wants to exchange into ADA. This amount will be stored as cents in the DB. While the invoice is waiting to get the payment, the application will evaluate the exchange rate between BTC and USD in real time, and then calculate the amount of satoshis expected to make the payment.





For more details on the exchange rate between BTC and USD calculation, please address to *Misc/Bitcoin Pricing*.

The system will also apply some value calculation on the payment step, where it will convert the satoshis received into USD, in order to get the equivalent ADA amount using the USD-ADA conversion rate (known as dollarsPerAda in the code).

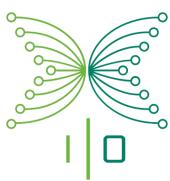


Payment BTC ticket

In order to provide an easier understanding of graphs like the following, we invite you to visit *Misc/Value Calculations Graphs Reference* section.

Receiving the Invoice

After the invoice has been created, and the sales have started, the buyer will receive an email with details of the invoice and a link to the payment page. (See next section).



Paying the Invoice

When following the payment link, the buyer will see the *USD -> BTC* exchange rate and the *Bitcoin address* (Invoice address) to execute the payment.

The buyer will also see a timer. Every time the timer reaches 0, the application will recalculate the exchange rate, getting the latest updated price.

The payment needs to be done on a single transaction, and each Invoice Ticket will be linked to a different bitcoin address, address cannot be reused in following orders.

Pay with Bitcoin

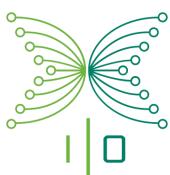
Send Bitcoins to	2N2GKpeYdUjWdXmxEVX66CuLX5ob8KUurrV
Requested Amount (USD)	\$1,000
Bitcoin Price	\$886.67
Bitcoins to Pay	\$1.12781530

You have **576** seconds left to pay the above price. After that the price will be automatically recalculated.

Warning Please complete the transaction with a single payment. Any additional payments will not be converted into ADA.

Receiving Ada

After the invoice has been paid, a receipt will be sent to the buyer's email account, with an "Ada Passcode" that will be used at a later date to retrieve the Adas once the blockchain is active.



Invalid Funds Received

When a buyer pays, but transfers a wrong amount (over the tolerance), the ticket will be placed in “*invalidFundsReceived*” state. If a ticket is in this state, it can be manually approved or marked as refunded by the Head Invoice Manager.

First the HIM should go to the tab “Invalid Funds Received”

Head Invoice Manager

Sale Pending (1)	Unpaid Invoices (0)	Confirm Bank Amount (1)
Sent to Bank Checker (1)	Prepare Bundle (0)	Current Bundle (2)
Bundles (1)	Export (144)	Expired (5622)
Invalid Funds Received (2)	BTC Orders (6)	Receipt Sent (7642)
Force Reserve ADA (1)		

NAME	INVOICE #	PAYMENT METHOD	STATE	CREATED AT	ORDERED AMOUNT	YEN RECEIVED	SATOSHIS EXPECTED	SATOSHIS RECEIVED	Actions
Hiroto Shioi	1008700	Btc		1月 26日 2017	\$10	¥0	฿0.01115088	฿0.01252572	

[Approve Ticket](#) [Mark as Refunded](#)

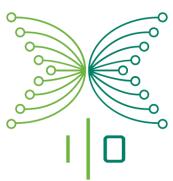
The HIM can then choose to approve the ticket with this new amount.

Attain Dashboard

Are you sure you want to approve this invoice with Invalid Funds?

[Cancel](#) [Confirm](#)

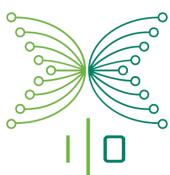
Sale Pending (1)	Prepare Bundle (0)	Current Bundle (2)
Sent to Bank Checker (1)	Export (144)	Expired (5622)
Bundles (1)	BTC Orders (6)	Receipt Sent (7642)
Invalid Funds Received (2)		
Force Reserve ADA (1)		



Or to mark the ticket as refunded, this is done by filling in the transaction id used to refund the ticket and the reason. The actual refund process has to be done manually.

The screenshot shows the Attain Dashboard interface. A modal window titled "Confirm ticket Refund" is open in the center. It contains two input fields: "Refund Transaction Id" and "Reason". Below the fields are "Cancel" and "Update" buttons. In the background, there's a list of ticket statuses: "Sale Pending (1)", "Sent to Bank Checker (1)", "Bundles (1)", "Invalid Funds Received (2)", and "Force Reserve ADA (1)". At the bottom of the dashboard, there are two buttons: "Approve Ticket" and "Mark as Refunded".

NAME	INVOICE #	PAYMENT METHOD	STATE	CREATED AT	ORDERED AMOUNT	YEN RECEIVED	SATOSHIS EXPECTED	SATOSHIS RECEIVED
Hiroto Shioi	1008700	Btc	✓	1月 26日 2017	\$10	¥0	฿0.01115088	฿0.01252572



Btc Orders

In the “BTC Orders” tab the Head invoice Manager can see all the BTC tickets that are about to be paid.

For each ticket the HIM can add or edit a comment.

Attain Dashboard

LOGOUT

Invalid Funds Received (2) BTC Orders (6) Receipt Sent (7642)

Force Reserve ADA (0)

NAME	INVOICE #	PAYMENT METHOD	STATE	CREATED AT	ORDERED AMOUNT	YEN RECEIVED	SATOSHIS EXPECTED	SATOSHIS RECEIVED
桃味 金雲	1008685	Btc	L	1月 24日 2017	\$1,001	¥0	฿1.09578544	฿0

No comments

Edit

NAME	INVOICE #	PAYMENT METHOD	STATE	CREATED AT	ORDERED AMOUNT	YEN RECEIVED	SATOSHIS EXPECTED	SATOSHIS RECEIVED
桃味 金雲	1008687	Btc	L	1月 24日 2017	\$1,002	¥0	฿1.09688013	฿0

Editing a comment

Attain Dashboard

LOGOUT

Sale Pending (2) Unpaid Invoices (0) Confirm Bank Amount (1) From To

Sent to Bank Checker (1) Prepare Bundle (0) Current Bundle (2) Invoice Number

Bundles (1) Export (144) Expired (5627)

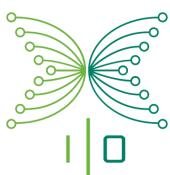
Invalid Funds Received (2) BTC Orders (1) Receipt Sent (7642)

Force Reserve ADA (0)

NAME	INVOICE #	PAYMENT METHOD	STATE	CREATED AT	ORDERED AMOUNT	YEN RECEIVED	SATOSHIS EXPECTED	SATOSHIS RECEIVED
Davis Kemlers	1008699	Btc	L	1月 25日 2017	\$99,999,999	¥0	฿0	฿0

the ticket...| The comment goes here!

Cancel Save



Receipt Sent

In order to see which tickets (BTC or Bank) have been paid and the amount of satoshis that have been received, the Head invoice manager has a special tab called “Receipt Sent”.

The screenshot shows the 'Head Invoice Manager' interface. At the top, there are several buttons: 'Sale Pending (2)', 'Unpaid Invoices (0)', 'Confirm Bank Amount (1)', 'Sent to Bank Checker (1)', 'Prepare Bundle (0)', 'Current Bundle (2)', 'Bundles (1)', 'Export (144)', 'Expired (5622)', 'Invalid Funds Received (2)', 'BTC Orders (6)', and 'Receipt Sent (7642)'. On the right, there are date range filters ('From' and 'To') and a search bar ('Invoice Number'). Below this, a table lists invoices. One row is highlighted with a red box around the 'SATOSHIS RECEIVED' column, which contains '\$20'. The table has columns: NAME, INVOICE #, PAYMENT METHOD, STATE, CREATED AT, ORDERED AMOUNT, YEN RECEIVED, SATOSHIS EXPECTED, and SATOSHIS RECEIVED.

NAME	INVOICE #	PAYMENT METHOD	STATE	CREATED AT	ORDERED AMOUNT	YEN RECEIVED	SATOSHIS EXPECTED	SATOSHIS RECEIVED
カンン味	826252	Btc	(L)	9月 14日 2015	\$5,000	¥0	\$0	\$20

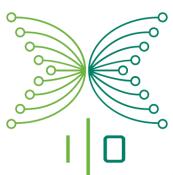
Distributor's Commissions

When an invoice is paid by a buyer, the Distributor will receive a commission paid by the Company as a reward for their Services. A percentage of the Bitcoin amount transferred will be used for this.

This percentage depends on the distributor's tier:

- If it's a Partner (compliance tier “0”) they receive 20% of the exchange transaction.
- If the Distributor has tier 1, they receive 15% and the Partner that invited them receives a 5%.
- If the Distributor has tier 2 they receive a 10%, the Distributor (with tier 1) that invited them receives 5% and the Partner that invited the Distributor with tier 1 receives 5%.
- Finally, if the Distributor has tier 3 they receive 5% and each Distributor in the upline receives 5% as well.

In order to keep track of the received commissions, Distributors have access to a special “COMMISSIONS” section where they can see each commission with its current status and a link to the transaction info on "blockchain.info". Also the top-right of the page has the total amount of bitcoins gathered.



Distributor commissions tab:

いば 鯨な
test.
email+Remedios.Rosario2942@iohk.io

MY ACCOUNT

GENERATE DISTRIBUTOR LINK

GENERATE BUYER LINK

BUYERS

COMMISSIONS

VIEW MY LINKS

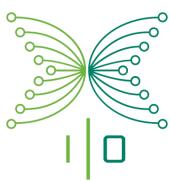
LOGOUT

 ATTAIN CORPORATION

Commissions

TOTAL: ₱2.08440879

AMOUNT	TRANSACTION	DATE	ORIGIN	INVOICE
₱1.29880706	View Transaction	2016-08-25	kjarai0726	1001323
₱0.26428745	View Transaction	2016-08-23	eddy.of.salaryman.investor	1000927
₱0.26274745	Pending	2016-08-20	shouta.shimo.24	1003143
₱0.25857125	View Transaction	2016-08-10	educe01	1000610



Monitor the Sale

Start the Sale

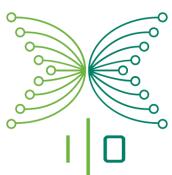
To start the sale, the application has to be (re)started with a settings file that sets the “salesStarted” to true.

```
{
  "public": {
    "migrations": true,
    "development": false,
    "salesStarted": true,
```

Furthermore, the sales limits have to be set for the tranche that will be active. The active tranche is set by “currentTranche” and the settings for that are set in “tranches”.

- **totalAmountAvailable:** The sales goal of the tranche, after this goal has been reached the sale will automatically stop..
- **overCapacityTolerance:** The highest amount of over sell allowed, where 0.25 is 25%. The higher this constant is, the more rapid the end sale will be at the cost of a potential over sell.

```
"salesLimits": {
  "currentTranche": "t3.5",
  "tranches": {
    "t1": {},
    "t2": {},
    "t3": {},
    "t3.5": { "totalAmountAvailable": 8000000, "overCapacityTolerance": 0.25 },
    "t4": {}
  }
},
```



To make the sales available to a region, the following setting has to be set to the regions that are wanted.

```
"residenceCountriesAllowedSale": ["KR", "JP"],
```

Check the Status of the Sale

To check the status of the sale, you have to be logged in as an Administrator or System Operator. After that you'll need to select the "Sale overview" tab on the main page. Here you can see all the information regarding the current sale:

- **Current tranche:** Indicates what tranche is currently active.
- **Sales status:** It shows if the sale is running or stopped.
- **Total amount available(TAA):** Allocated amount of USD before the sales goal has been reached.
- **Overcapacity threshold:** The largest potential overshoot of sales in percentage.
- **Amount invoiced and paid:** Total amount of USD (and tickets) that have locked Ada in a reservation.
- **Amount paid:** Total amount of USD (and tickets) that has been paid.

The screenshot shows the Sales App interface. On the left is a sidebar with the following menu items:

- attain admin
- test-email+admin@ohk.io
- SALE OVERVIEW** (highlighted with a red arrow)
- GENERATE PARTNER LINK
- VIEW PARTNER LINKS
- ADD ADMINISTRATOR
- ADD CS OFFICER
- BUYERS
- LOGOUT

Below the sidebar is the ATTAIN CORPORATION logo.

The main content area has two tabs:

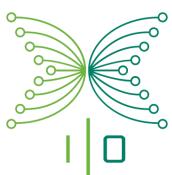
- Settings** (highlighted with a red border)
- Simulator**

Settings Tab Data:

Settings	
Current Tranche	t3.5
Sales Status	▶
Total Amount Available (TAA)	\$8,000,000
Overcapacity Threshold (OCT)	0.25
Amount Invoiced and Paid (AIP)	\$0 (Tickets : 0)
Amount Paid (AP)	\$0 (Tickets : 0)

Simulator Tab Data:

Simulator	
Total Amount Available (TAA)	1000



User Support

Find User as Customer Service

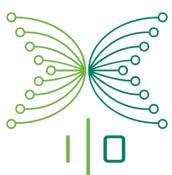
Customer Service officers can find any buyer or distributor in the application by searching for their email. Customer Service search works in two different ways:

Searching by the Exact Email Address

The CS will enter the exact email address, (for example john+doe@emailservice.com) and the application will return that single user.

The screenshot shows the Attain Dashboard with a search bar containing "john+doe@emailservice.com". A red arrow points to the search button. Below the search bar, a table displays user information for John Doe. The table has columns: Progress, Surname, Name, Email, Country of Residence, Account Type, Compliance Level (Old/New), Indicators, and Current Reviewer. The row for John Doe shows: Progress (red square), Surname (Doe), Name (John), Email (john+doe@emailservice.com), Country of Residence (Japan), Account Type (Individual, Buyer), Compliance Level (- / A), Indicators (empty), and Current Reviewer (Review button).

Progress	Surname	Name	Email	Country of Residence	Account Type	Compliance Level (Old/New)	Indicators	Current Reviewer
■	Doe	John	john+doe@emailservice.com	Japan	Individual, Buyer	- / A		<button>Review</button>



“Fuzzy” Email Search

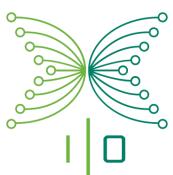
If the email has got an alias (that is for example `name+alias@emailservice.com`) then the CS can input only “`name@emailservice.com`” and it will search for all the emails like `name+alias@emailservice.com` but with any alias in the middle.

Attain Dashboard LOGOUT

Customer Service

→ 🔍

Progress	Surname	Name	Email	Country of Residence	Account Type	Compliance Level (Old/New)	Indicators	Current Reviewer
█	Doe	John	john+doe@emailservice.com	Japan	Individual, Buyer	- / A	Commission Wallet	Review
█	Smith	John	john+smith@emailservice.com	Japan	Individual, Distributor			Review



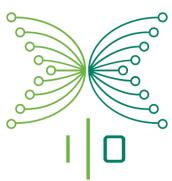
Send to Head Compliance Officer

When a CS reviews a user (by clicking on the Review button in the screenshot above), they will access the user summary page. If the user under review has not yet been sent to the Head Compliance Officer, a green button saying “Send to HCO” will be displayed. If that button is pressed, that user will be sent to the HCO for further reviewing or action.

The screenshot shows the Attain Dashboard with a user profile. The profile includes the following details:

ID	CtLyd2qfhSJ4pyseu
Account Type	Individual, Distributor
Name	Doe John
Email	john+doe@anotheremailservice.com
Status	Pending
Is the user under investigation?	No
Birthdate	01/26/2017
Distributor level	Tier 2
Branch Partner	悟志 中本 <test-email+Tad.Cobb108@iohk.io>
Referred By	John Smith <john+smith@emailservice.com>
Enrolled At	1月 16日 2017
Enrollment IP	127.0.0.1
Phone	1234
Language	en
Residence Country	Japan

A red box highlights the green “Send to HCO” button at the top left of the profile area. An arrow points to this button. To the right of the profile, there is a section titled “No document selected” with a “Choose a file” button.

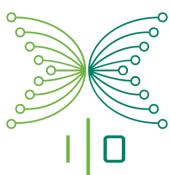


Find User as Investigator

When you're logged in as an Investigator, you will see the investigator queue. Here, you will find several sections which will be explained below.

First of all, you'll find two tabs. On the first tab, you'll see listed all users who have been sent to "*Under Investigation*" by the HCO (This will be explained in the next section of the document).

Progress	Surname	Name	Email	Country of Residence	Account Type	Indicators
Red	Smith	John	john+smith@emailservice.com	Japan	Individual, Distributor	Commission Wallet
Red	Doe	John	john+doe@anotheremailservice.com	Japan	Individual, Distributor	Commission Wallet



On the second tab, you'll see some filters which you can use to find possible fraudulent distributors. You can search by their enrollment refcodes, name, surname, company names, registration date, phone, birthdate or email address. Take into account that Investigators also use the Fuzzy Email search functionality (see Customer Service search section for further information).

Investigators also count with a partial search functionality, which means that, if you use many filters, it will return all the users that match with at least one filter, and it will order them by the amount of matches, creating a ranking of the users who best matches the filters applied. A matching by refcode will overrun any other matching, as this a very specific search, it's weight as a 100 match.

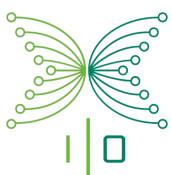
To perform the search, you'll have to press Search button after filtering by any data in the filters (the application does not allow to perform a search having all filter fields empty).

The screenshot shows the Attain Dashboard with the title "Attain Dashboard" and a "LOGOUT" link. The main area is titled "Investigator". At the top, there are two buttons: "Under Investigation (0)" and "All (3)". Below these are several input fields: "Refcode" (empty), "Name" (John), "Surname" (Doe), "Company Name" (empty), "Registration Date" (mm/dd/yyyy), "Phone" (empty), "Birthdate" (mm/dd/yyyy), and "Email Address" (empty). A "Search" button is located at the bottom right of this section. A red box highlights this entire search/filter area. Below this, a message "Results found: 3" is displayed, followed by a table with the following data:

Matches	Progress	Surname	Name	Email	Country of Residence	Account Type	Indicators	Review
2	■	Doe	John	john+doe@anotheremailservice.com	Japan	Individual, Distributor	Commission Wallet	Review
1	■	Doe	James	james+doe@emailservice.com	Japan	Individual, Distributor	Commission Wallet	Review
1	■	Smith	John	john+smith@emailservice.com	Japan	Individual, Distributor	Commission Wallet	Review

After filtering data, you'll see below the Results count, which has the total amount of results of the query, and below you'll see the list of users with matching data.

You'll notice the *Matches* column, which corresponds to the matching functionality described before in the Review User section.



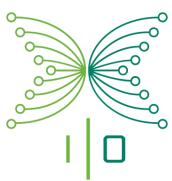
Put a User Under Investigation

When the Head Compliance Officer thinks that the user is suspicious and requires further investigation, he can send that user to the Investigator. To do so, HCO must review that user, and edit the field named “*Is user under investigation?*”.

ID	CtLyd2qthSJ4pyseu
Account Type	Individual, Distributor
Name	Doe John
Email	john+doe@anotheremailservice.com
Status	Pending
Is the user under investigation?	No
Is the user under investigation?	
Yes	
Verify Account	
Confirm Password	
Update Investigation Status	
Birthdate	01/26/2017
Distributor level	Tier 2
Branch Partner	悟志 中本 <test-

While a user is under that state, any new enrollment reflinks that he creates (or any previous one that is still valid), cannot be accessed. They also cannot change their wallet address.

To remove that user from that state, the inverse procedure must be executed.



System Operation

Monitor Sale

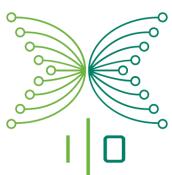
Just like the Sales Administrator, Sysop has access to the same Sales Overview page as well as summary of the current sales status.

- **Current tranche:** Indicates which tranche is currently active.
- **Sales status:** It shows if the sale is running or stopped.
- **Total amount available(TAA):** Total amount of USD that the current tranche has.
- **Overcapacity threshold:** The percentage that the TAA can be exceeded.
- **Amount invoiced and paid:** Total amount of USD (and tickets) that has been requested.
- **Amount paid:** Total amount of USD (and tickets) that has been paid.

The screenshot shows the Sales Overview page for a user named 'sysop'. The left sidebar includes links for 'SALE OVERVIEW' (which is highlighted with a red arrow), 'JOB MONITOR', and 'LOGOUT'. The main content area is divided into two sections: 'Settings' and 'Simulator'. The 'Settings' section contains the following data:

Settings	
Current Tranche	t3.5
Sales Status	▶
Total Amount Available (TAA)	\$8,000,000
Overcapacity Threshold (OCT)	0.25
Amount Invoiced and Paid (AIP)	\$1,540 (Tickets : 13)
Amount Paid (AP)	\$539 (Tickets : 11)

The 'Simulator' section at the bottom has a 'Total Amount Available (TAA)' input field containing '1000'.



Monitor Workers

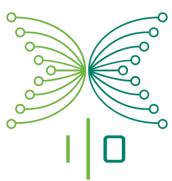
Sysop can watch the worker's status in real time by accessing the job-monitor page through the right dashboard.

The sysop will see a list of all the workers that are running and their current status. They will appear in one of these status:

- Waiting
- Paused
- Cancelled
- Failed
- Running
- Ready
- Complete
- Stalled

The screenshot shows a dashboard titled "JOBS MONITOR" with a sidebar on the left containing user information ("sysop", "test-email+sysop@iohk.io"), a "SALE OVERVIEW" section, and a "LOGOUT" button. The main area is titled "Jobs" and displays a table of worker tasks. The columns are "Type", "Status", "Created", and "Updated". The "Status" column uses color-coded boxes to indicate the current state of each task.

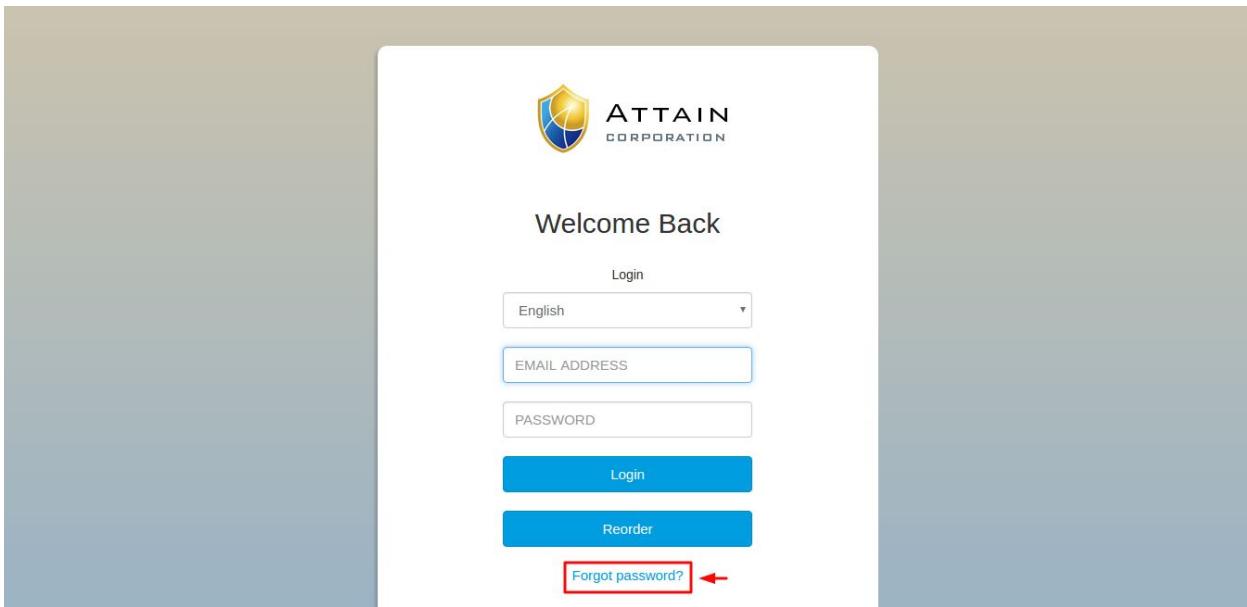
Type	Status	Created	Updated
approveComplianceBankWorker	waiting	1月 17日 2017 15:45	1月 17日 2017 15:45
approveComplianceBankWorker	completed	1月 17日 2017 15:43	1月 17日 2017 15:45
approveComplianceBtcWorker	waiting	1月 17日 2017 15:46	1月 17日 2017 15:46
approveComplianceBtcWorker	completed	1月 17日 2017 15:44	1月 17日 2017 15:46
assignAdaPasscodeWorker	waiting	1月 17日 2017 15:45	1月 17日 2017 15:45
assignAdaPasscodeWorker	completed	1月 17日 2017 15:43	1月 17日 2017 15:45
assignBtcAddressWorker	ready	1月 11日 2016 20:17	1月 11日 2016 20:18
assignBtcAddressWorker	completed	1月 11日 2016 20:17	1月 11日 2016 20:17
assignHoldingWalletAddressWorker	waiting	1月 17日 2017 15:46	1月 17日 2017 15:46
assignHoldingWalletAddressWorker	completed	1月 17日 2017 15:44	1月 17日 2017 15:46
assignInvoiceAddressWorker	waiting	1月 17日 2017 15:47	1月 17日 2017 15:47
assignInvoiceAddressWorker	completed	1月 17日 2017 15:45	1月 17日 2017 15:47
backfillHoldingWalletsWorker	ready	8月 3日 2016 13:04	8月 3日 2016 13:05
backfillHoldingWalletsWorker	completed	8月 3日 2016 13:03	8月 3日 2016 13:04
backfillInvoiceWalletsWorker	waiting	1月 17日 2017 15:45	1月 17日 2017 15:45
backfillInvoiceWalletsWorker	completed	1月 17日 2017 15:43	1月 17日 2017 15:45
btcPaymentWorker	waiting	1月 17日 2017 15:46	1月 17日 2017 15:46
btcPaymentWorker	completed	1月 17日 2017 15:44	1月 17日 2017 15:46
checkComplianceWorker	ready	12月 16日 2015 07:14	12月 16日 2015 07:16
checkComplianceWorker	completed	12月 16日 2015 07:14	12月 16日 2015 07:14

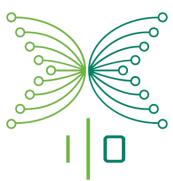


Self Administration by External Actors

Password Reset

In case you forgot your password, you can reset it by clicking on the “*Forgot Password*” button in the login page. After doing that, you need to insert your email address, and then after pressing the “*Send Reset Email*” button, you’ll receive an email with a reflash.





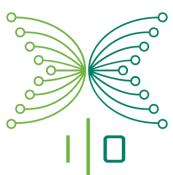
When you follow that link, you'll see a form where you have to insert the new password twice to perform the password reset.

Reset Password

Please set a password to log in:

Re-enter Password:

Reset Password

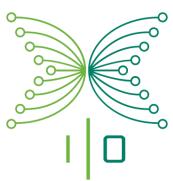


Change Email Address

As a buyer, you can change your own email address. This process requires you to have access to both your old and your new email address.

To start the process, you have to navigate to your “*My account*” panel by logging in. After that you click on “*Change Email Address*”

The screenshot shows the Sales App interface. On the left, a sidebar has a dark blue background with white text: "卜增 桃寿" (Name), "test-email+Quynn.Murphy3863@iohk.io" (Email), "MY ACCOUNT" (link), "REORDERS", "PURCHASES", and "LOGOUT". Below the sidebar is the Attain Corporation logo. The main content area has a light gray background. At the top, a message box says: "Your account is now pending Administrator approval. An approval email will be sent to your registered email address within 6 business days." Below this is a "My Account" section with tabs "INFORMATION" and "AGREEMENTS" (the former is selected). It displays: "Name" (卜增 桃寿), "Email" (test-email+Quynn.Murphy3863@iohk.io), a "Change Email Address" button (which is highlighted with a red box), and "Status" (PENDING).



The user will have to fill in their new email address and click “*Confirm*”. An email will be sent to their new email-address. Email contains a link which they'll have to click to confirm the change.

Change Email Address

A confirmation email will be sent to your currently registered address as well as new email addresses. To complete the process you must have access to both email accounts

New Email Address

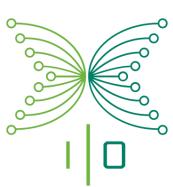
Email

test-email+Quynn.Murphy3863@iohk.io

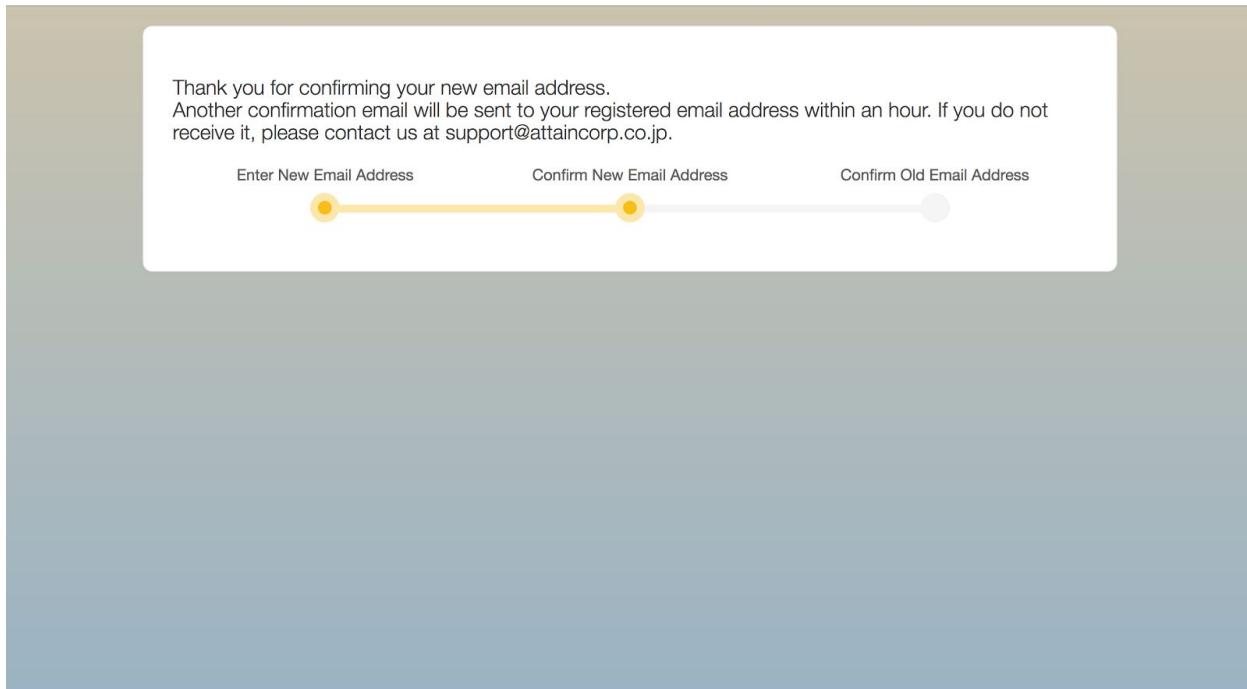
Change Email Address

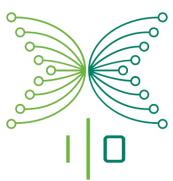
Status

PENDING

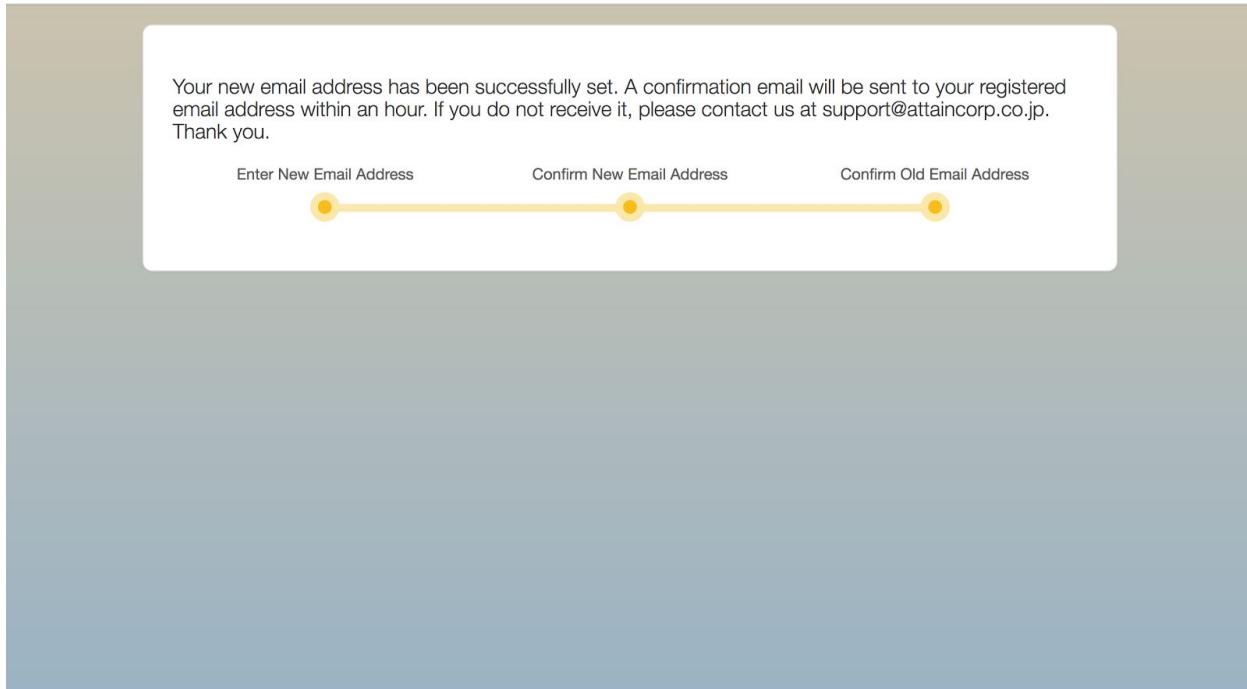


When opening the link in that email, another email will be send to their old email address.

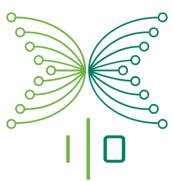




A link will be in that email as well, and after following it, your email address will be finally updated.



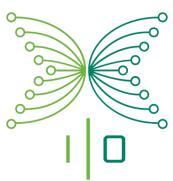
Once email address change is confirmed, all buyer's orders will regenerate their *Add Passcode*, and a new email will be delivered to the new address with the new invoice Passcodes.



Change Btc Address

As a Partner or Distributor, you have the option to change your *Commission Wallet Address*. This is done via the “*My Account*” page by clicking on the “*Update*” button next to your current address.

The screenshot shows the 'My Account' page of the Sales App. On the left, there's a sidebar with user information (Smith John, email), account links (MY ACCOUNT, GENERATE DISTRIBUTOR LINK, GENERATE BUYER LINK, BUYERS, COMMISSIONS, VIEW MY LINKS), and a LOGOUT link. At the bottom of the sidebar is the Attain Corporation logo. The main content area has tabs for INFORMATION and AGREEMENTS. Under INFORMATION, it shows Name (Smith John), Email (john+smith@emailservice.com), and Status (APPROVED). The Commission Wallet Address field is highlighted with a red box and contains the value: mk6fCVgydypzyXedHYjoefj4gwfFvHf1. To the right of this field is a blue 'Update' button with a white arrow pointing to it.



Fill in your new wallet address

Smith John
john.smith@emailservice.com

MY ACCOUNT

GENERATE DISTRIBUTOR LINK

GENERATE BUYER LINK

BUYERS

COMMISSIONS

VIEW MY LINKS

LOGOUT

ATTAİN CORPORATION

Update Wallet Address

Bitcoin Wallet Address

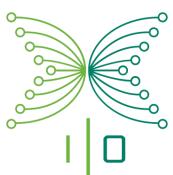
mk6fCVgydypzyXedHYjoefj4gwFvHf1

Status
APPROVED

Commission Wallet Address
mk6fCVgydypzyXedHYjoefj4gwFvHf1

Cancel Update

Then confirm the change by clicking the link send to the email address associated with the account. New orders commissions will be delivered to the new bitcoin address from now on, but ongoing payment transactions to old address won't be canceled.



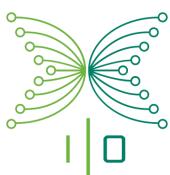
Resend Ada Passcodes

When a buyer login into the application, you'll see the purchases section in the left menu. From here, you can see all the invoices you've created. For the ones that have already generated the Ada Passcode, you have the option to regenerate it.

You can choose if you want to regenerate it for a single invoice or for all the invoices that have generated Ada Passcodes.

In both instances, you will receive a confirmation email to your email address with a link that you must follow in order to finish the operation.

INVOICE #	PAYMENT METHOD	CREATED AT	ORDERED AMOUNT	YEN RECEIVED	SATOSHIS EXPECTED	SATOSHIS RECEIVED	ADA PASSCODE GENERATIONS
1004398	Bank	1月 13日 2017	\$1,234	¥0	฿0	฿0	0
200000	Btc	3月 29日 2016	\$3,700	¥0	฿8.82570426	฿8.82570426	0



Misc

Log In

To be able to log in to the application, a person needs an account which has a password set. The language can be selected for the log-in form itself.

Logging in as Internal Actor

The account needs to be created by an admin or by the person managing the database. After that, the account is ready for the log-in process.

Logging in as External Actor

In the case of enrollment, Buyers will have to set their password first if they want to login. This is done by *forgot password* functionality.

Distributors and Partners case is different, they will be sent an email with a link after enrolling where they can set their personal password.

To log in, the email address has to be filled in with the password, after which you press the “Login” button.

Welcome Back

Login

English

test-email+Unity.Paul2461@johk.io

.....

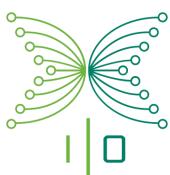
Login

Reorder

Forgot password?

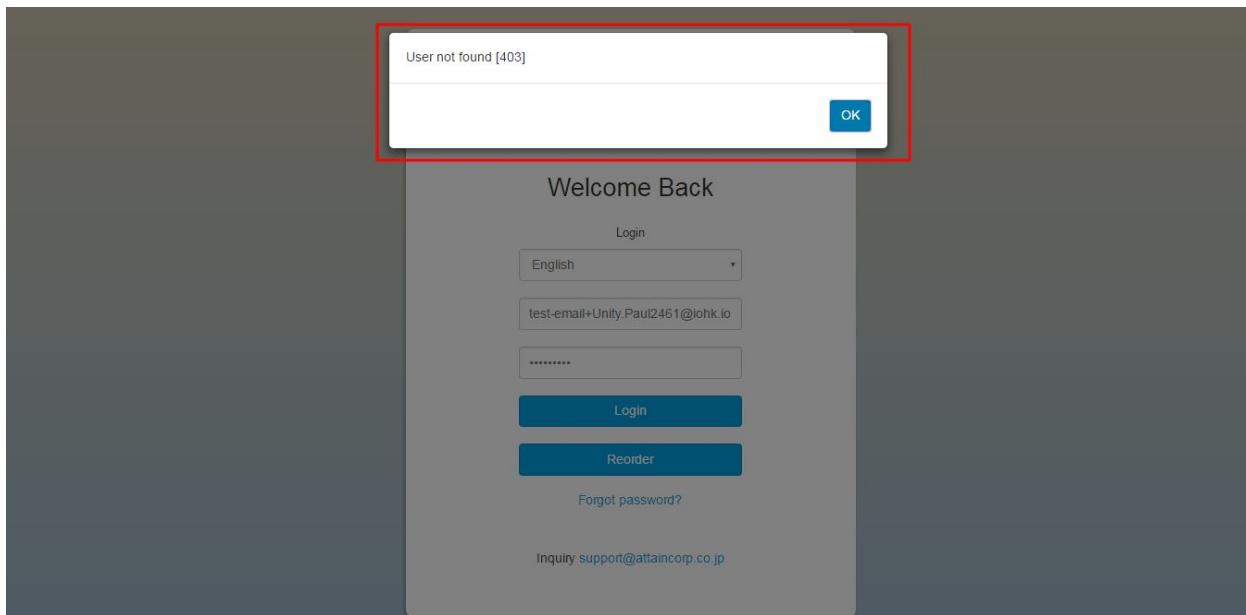
Inquiry support@attaincorp.co.jp

If there are any errors during this process the interface will show a message on the screen informing the user.

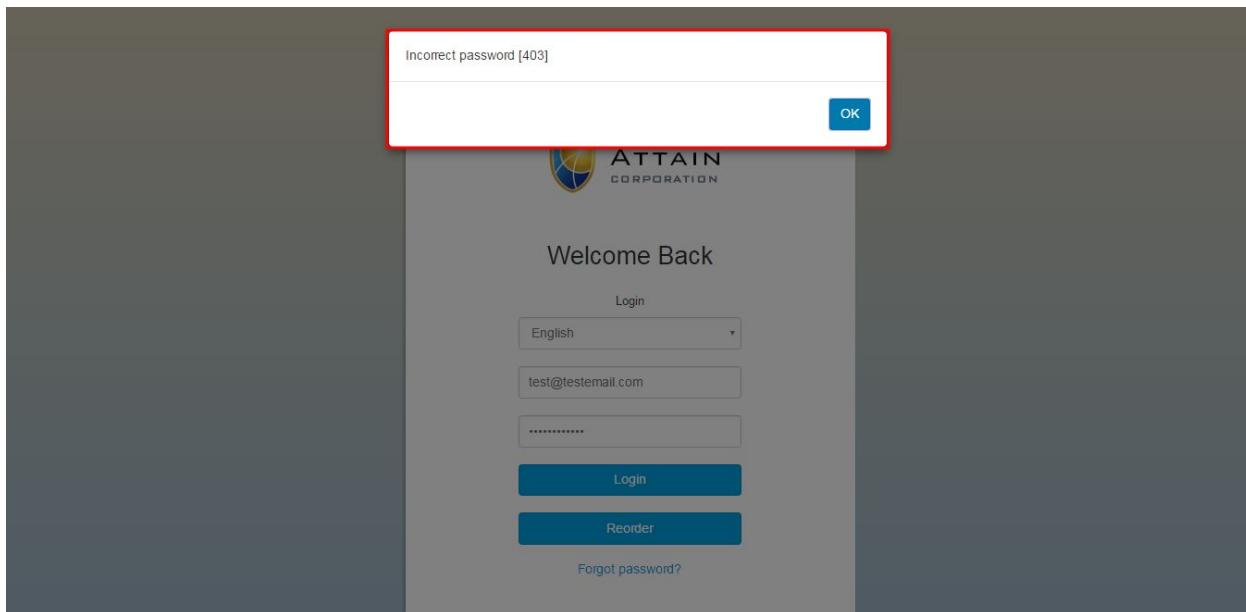


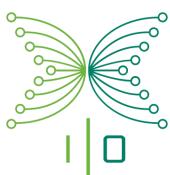
The inquiry email would help the user if he has any doubt, it would variated accordingly with the language selected.

As shown by the following examples, if the User is not found (wrong email):



Or if the password is incorrect.





If the user receives the message “Password not set” the user will have to go through the “forgot password” functionality and generate one.

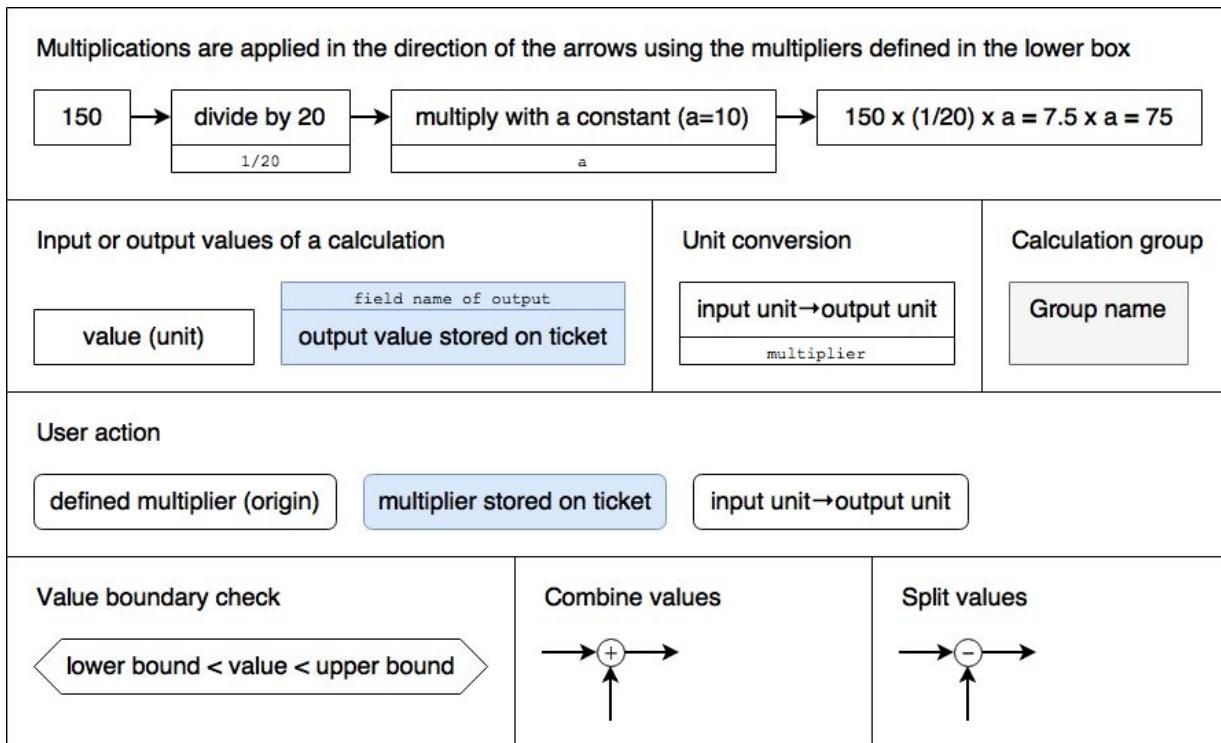
Bitcoin Pricing

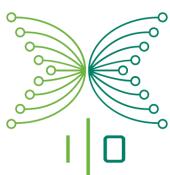
To ensure that the user gets an accurate exchange rate between USD and BTC, it fetches the bitcoin exchange rate from a list of online providers.

This way, the application provides the latest conversion between these two currencies in real time.

This feature is used to calculate the exchange rate at any stage where the invoice should receive Bitcoins (These are the stages when the Btc Invoice ticket must be paid by the buyer, or the stage where the Bank ticket must receive the Btc from the Exchange office).

Value Calculations Graphs Reference





Emails

Emails are highly tight to the application business as they are used on almost every step whether it is for enrollment, confirm user actions, inform an order state and other features. As user identity is linked to their email, any change that involves a security feature will demand a two factor verification by email.

Email templates

Email templates are in plain text, although HTML is possible. The email templates need to be made for each language and are stored in separate files. Inside the templates there are certain variables/values that can be used to construct the email itself.

Example of an email template:

```
Hello {{firstName}} {{lastName}},
```

```
Thank you for purchasing ADA!
```

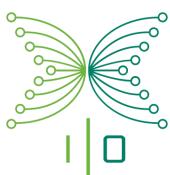
```
Please make sure that the half of the Bitcoin wallet address below corresponds  
to the address for your payment:
```

```
{{halfBtcAddress}}
```

```
Please go to the URL below and confirm the address is correct. You can complete  
your transaction from the URL only when it corresponds.
```

```
{{url}}
```

```
If it does not correspond, please contact {{supportEmail}}.
```



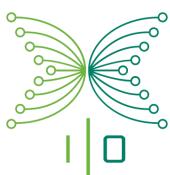
```
Invoice ID: {{invoiceNumber}}
Invoice Date: {{date}}
USD Requested: {{usdRequested}}

Regards,
{{> footer_LANG_ . }}
```

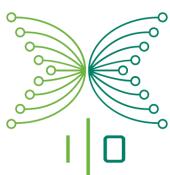
Values between double curly brackets “{{value}}” are values that will be filled in by the application when the email gets send.

The values available, change with the type of email being send.

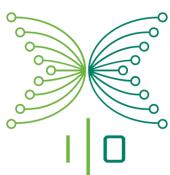
Email template	Available variables
distributor-approval.html	<ul style="list-style-type: none">• firstName• lastName• Url
distributor-signup.html	<ul style="list-style-type: none">• firstName• lastName• Url
email-changed.html	<ul style="list-style-type: none">• firstName• lastName
et101-ticket-enqueued-email.html	<ul style="list-style-type: none">• firstName• lastName• invoiceNumber• usdRequested• date
et201-ada-reserved-but-pending.html	<ul style="list-style-type: none">• firstName• lastName• invoiceNumber• usdRequested• date
et204-invoice-expired-email.html	<ul style="list-style-type: none">• firstName• lastName• invoiceNumber• usdRequested• date



et205-confirm-funds-received.html	<ul style="list-style-type: none">• firstName• lastName• invoiceNumber• usdRequested• yenReceived• date
et206-invoice-canceled-email.html	<ul style="list-style-type: none">• firstName• lastName• invoiceNumber• usdRequested• date
et301-receipt.html	<ul style="list-style-type: none">• firstName• lastName• invoiceNumber• usdRequested• yenReceived• date• btcUsd• btcReceived• paymentOptionBank• adaPurchased• adaPasscode
eu102-waiting-for-ada-while-pending-compliance.html	<ul style="list-style-type: none">• firstName• lastName
eu201-buyer-approval.html	<ul style="list-style-type: none">• firstName• lastName
eu302-wallet-address-changed-confirmation.html	<ul style="list-style-type: none">• firstName• lastName• walletAddress• url
eu303-wallet-address-changed.html	<ul style="list-style-type: none">• firstName• lastName• walletAddress
eu304-email-change-new-email-confirmation.html	<ul style="list-style-type: none">• firstName• lastName• url
eu305-email-change-current-email-confirmation.html	<ul style="list-style-type: none">• firstName• lastName



	<ul style="list-style-type: none">• newEmailAddress• url
eu306-email-changed.html	<ul style="list-style-type: none">• firstName• lastName
eu501-re-generate-all-ada-passcodes.html	<ul style="list-style-type: none">• firstName• lastName• url
eu502-re-generate-ada-passcode.html	<ul style="list-style-type: none">• firstName• lastName• url• invoiceNumber• usdRequested• date
footer.html	<ul style="list-style-type: none">• supportEmail
invoice-bank.html	<ul style="list-style-type: none">• firstName• lastName• invoiceNumber• usdRequested• processingFee• total• halfBtcAddress• url• date
invoice-btc.html	<ul style="list-style-type: none">• firstName• lastName• invoiceNumber• usdRequested• processingFee• total• halfBtcAddress• url• date
password-reset.html	<ul style="list-style-type: none">• firstName• lastName• url
verificationCode.html	<ul style="list-style-type: none">• code
waiting-for-sale-to-start.html	<ul style="list-style-type: none">• firstName

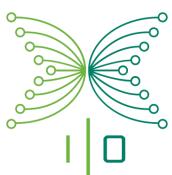


	<ul style="list-style-type: none">• lastName• invoiceNumber• usdRequested• date
wallet-address-change-confirmation.html	<ul style="list-style-type: none">• firstName• lastName• walletAddress• url

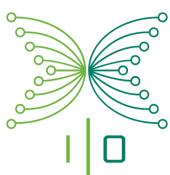
Email Naming and Numbering Conventions

Emails are organized by a two letter and number code to easily track and follow up, both for users (buyers and distributors) as well as officers.

Number	Type
EU---	User actions
EU1--	Non-logged in users actions
EU101	Password reset
EU102	Waiting for Ada while pending compliance
EU103	Email verification on enrollment
EU2--	Compliance officer actions
EU201	Buyer compliance approved
EU202	Distributor approval
EU3--	Distributor actions
EU301	Distributor signup
EU302	Wallet address change confirmation
EU303	Wallet address changed
EU304	Email change new email confirmation
EU305	Email change current email confirmation
EU306	Email changed



EU4--	Head compliance officer actions
EU401	Email changed
EU5--	ADA code regeneration
EU501	Re-generate all ADA pass-codes
EU502	Re-generate ADA pass-code for invoice
ET---	Invoice ticket states
ET1--	Non-reserved invoice ticket states
ET101	Enqueued
ET102	Waiting for sale to start
ET2--	Reserved invoice ticket states
ET201	Ada reserved but pending
ET202	Invoice Bank
ET203	Invoice Btc
ET204	Invoice expired
ET205	Confirm funds received
ET206	Invoice canceled
ET3--	Paid invoice ticket states
ET301	Receipt



EU - User Actions

Emails sent as a direct consequence of a user's action.

EU1 - Non-Logged in User's Actions

Emails sent as a direct consequence of a non-logged in user performing an action.

- **EU101 - Password reset**

Template: password-reset.html

Description: When a user requests to reset their password, an email with a reset link is sent to them.

- **EU102 - Waiting for Ada while pending compliance**

Template: eu102-waiting-for-ada-while-pending-compliance.html

Description: During the “All Ada Reserved period”, as a newly enrolled user or as an approved buyer needing compliance, users should receive a compliance email EU102 letting them know that they are in compliance.

- **EU103 - Email verification on enrollment**

Template: verificationCode.html

Description: This email contains a refcode that verifies a user's email address when enrolling as distributor or buyer. It's sent after a user inputs their email address and pushes the “receive code” button.

EU2 - Compliance Officer Actions

Emails sent as a direct consequence of a Compliance Officer performing an action.

- **EU201 - Buyer compliance approved**

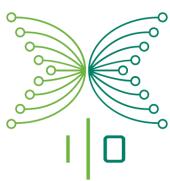
Template: eu201-buyer-approval.html

Description: Is sent to a pending buyer who has been approved.

- **EU202 - Distributor approval (Distributor compliance approved)**

Template: distributor-approval.html

Description: Is sent to a pending distributor who has been approved.



EU3 - Distributor Actions

Emails sent as a direct consequence of a distributor performing an action.

- **EU301 - Distributor signup**

Template: distributor-signup.html

Description: When a distributor finishes enrolling this email is sent to them containing a link to set a password.

- **EU302 - Wallet address change confirmation**

Template: eu303-wallet-address-changed-confirmation.html

Description: When a distributor changes his wallet address he should receive a confirmation email containing a confirmation link.

- **EU303 - Wallet address changed**

Template: eu303-wallet-address-changed.html

Description: When a distributor changes his wallet address he should receive an email notifying him about the change.

- **EU304 - Email change new email confirmation**

Template: eu304-email-change-new-email-confirmation.html

Description: Email sent to the user's old email address, with a link to change the email to the new email address.

- **EU305 - Email change current email confirmation**

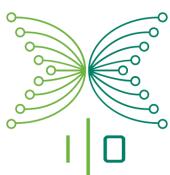
Template: eu305-email-change-current-email-confirmation.html

Description: The user receives this email at their newly registered email, after they click the link in the email sent to their old email address. This email has a final confirmation link.

- **EU306 - Email changed**

Template: eu306-email-changed.html

Description: The final email the user receives after changing their email, informing them that the process has been completed successfully.



EU5 - ADA Pass-Code Regeneration

Emails sent when ADA pass-codes are regenerated for various reasons.

- **EU501 - Regenerate all ADA pass-codes**

Template: eu501-re-generate-all-ada-passcodes.html

Description: When an user requests to have all of the ADA pass-codes be regenerated, they receive this email with a link.

- **EU502 - Regenerate ADA pass-codes for invoice**

Template: eu502-re-generate-ada-passcode.html

Description: When a user requests to regenerate ADA pass-codes for a specific invoice, they will get this email with a link to regenerate.

ET - Invoice Ticket States

Emails sent as a direct consequence of a worker moving invoice tickets in the invoice ticket state machine.

ET1 - Non-Reserved Invoice Ticket States

Emails sent when a ticket makes a transition to a Non-reserved invoice ticket state.

- **ET101 - Enqueued**

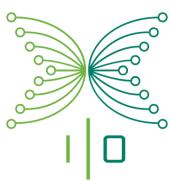
Template: et101-ticket-enqueued-email.html

Description: During All Ada Reserved period, as an approved buyer reordering or an approved buyer needing compliance reordering or a pending user enrolling, they should receive an queued email ET101 informing them that all Ada is currently reserved but Ada will be allocated to them once Ada is freed.

- **ET102 - Waiting for sale to start**

Template: waiting-for-sale-to-start.html

Description: Should be sent when the setting salesStarted is set to false, or when the sales goal has been reached for the current tranche.



ET2 - Reserved Invoice Ticket States

Emails sent when a ticket makes a transition to a Reserved invoice ticket states.

- **ET201 - Ada reserved but pending**

Template: et201-ada-reserved-but-pending.html

Description: During Ada Available, as an approved buyer needing compliance or and newly enrolled user, I should received ET201 an email letting me know that I am pending compliance but that Ada has been allocated to me.

- **ET202 - Invoice Bank**

Template: invoice-bank.html

Description: During Ada Available, as an approved buyer not needing compliance I should get an invoice for my order

- **ET203 - Invoice Btc**

Template: invoice-btc.html

Description: During Ada Available, as an approved buyer not needing compliance I should get an invoice for my order

- **ET204 - Invoice expired**

Template: et204-invoice-expired-email.html

Description: Is sent when an invoice expires. The email contains a reorder link.

- **ET205 - Confirm funds received**

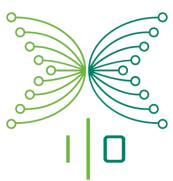
Template: et205-confirm-funds-received.html

Description: When a buyer has made a bank transaction which has been confirmed by Attain, the buyer should receive an email notifying the buyer about the transaction been successful.

- **ET206 - Invoice canceled**

Template: et206-invoice-canceled-email.html

Description: When a buyer requests to cancel their invoice and HCO cancels it, the buyer will receive this email.



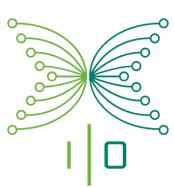
ET3 - Paid Invoice Ticket States

Emails sent when a ticket makes a transition to a Paid invoice ticket states.

- **ET301 - Receipt**

Template: et301-receipt.html

Description: Contains the receipt info and the Ada passcode, and is send to the user when the purchase has been completed.



Sales App | Frontend - Business logic