

Agenda

- Who we are
- Our involvement with BiTAS
- Acuwize Collaborative Documentation Platform
- How you can get involved

Ben Kothari - Entrepreneur

- Proven track record in building and managing rapid-growth software companies
- Founded, Ampliflex Inc-- Strategic Consulting in **Digital Transformation**, Cloud enablement, **Integration, Security and Analytics**
- **Oracle SaaS** – Financials, Procurement, Order Management, Supply Chain, **Logistics (OTM/GTM)**, HCM
- Middleware Experts – Warehouse, **Analytics, Integration, API, SOA**, ESB and Security
- Currently focused on building AI powered, Blockchain secured solutions in supply chain industry
- Prior jobs include Chief Technology Officer at Agile Software (sold to Oracle), Senior Architect at Healtheon

Thought Leaders

The Next Big Things: **AI, Blockchain, Chatbots, IoT**



Artificial Intelligence/
Machine Learning



Blockchain



Autonomous Software



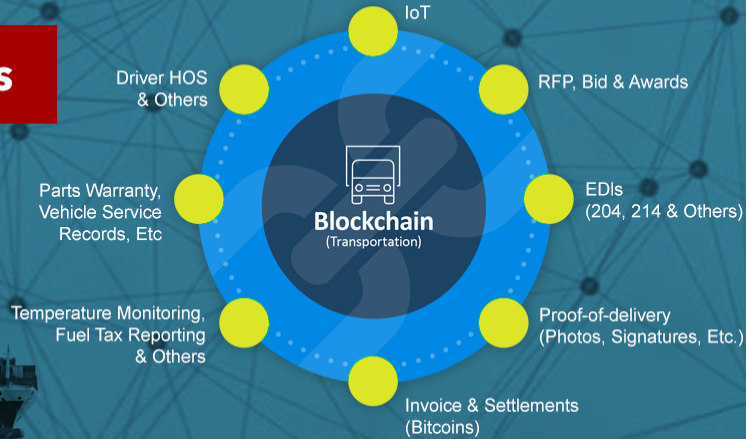
IoT



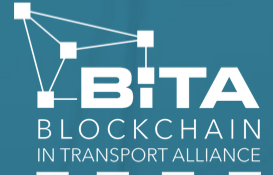
Human Interface

Blockchain in Logistics

Blockchain in Logistics

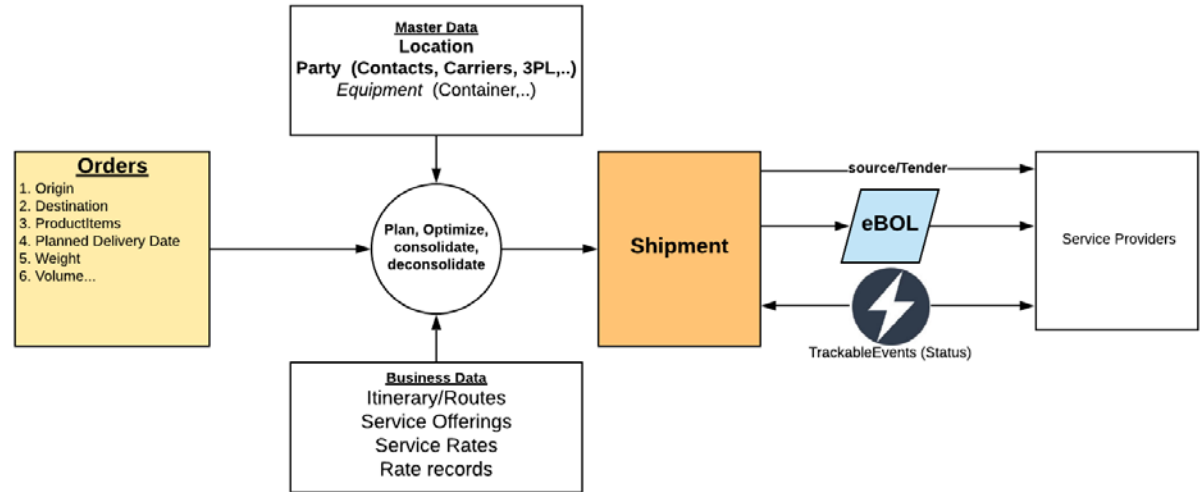


BLOCKCHAIN



Our involvement with BiTAS

- Involved since inception
- Responsible for setting up standards foundation
- Workgroup Chair
 - Tracking
 - Shipment
 - Shipment Order
- Deep contributions
 - Party
 - Location
 - BoL



- | | |
|---|--|
| • 92% of the respondents either plan to use the BiTAs work products or are using them; 8% are not using the BiTAs standards, and do not plan to use them. | |
| • 80% of the respondents are interested in seeing the blockchain projects of other members, and 10 have provided their names to work on a small group to share learnings. | |

Key Highlights

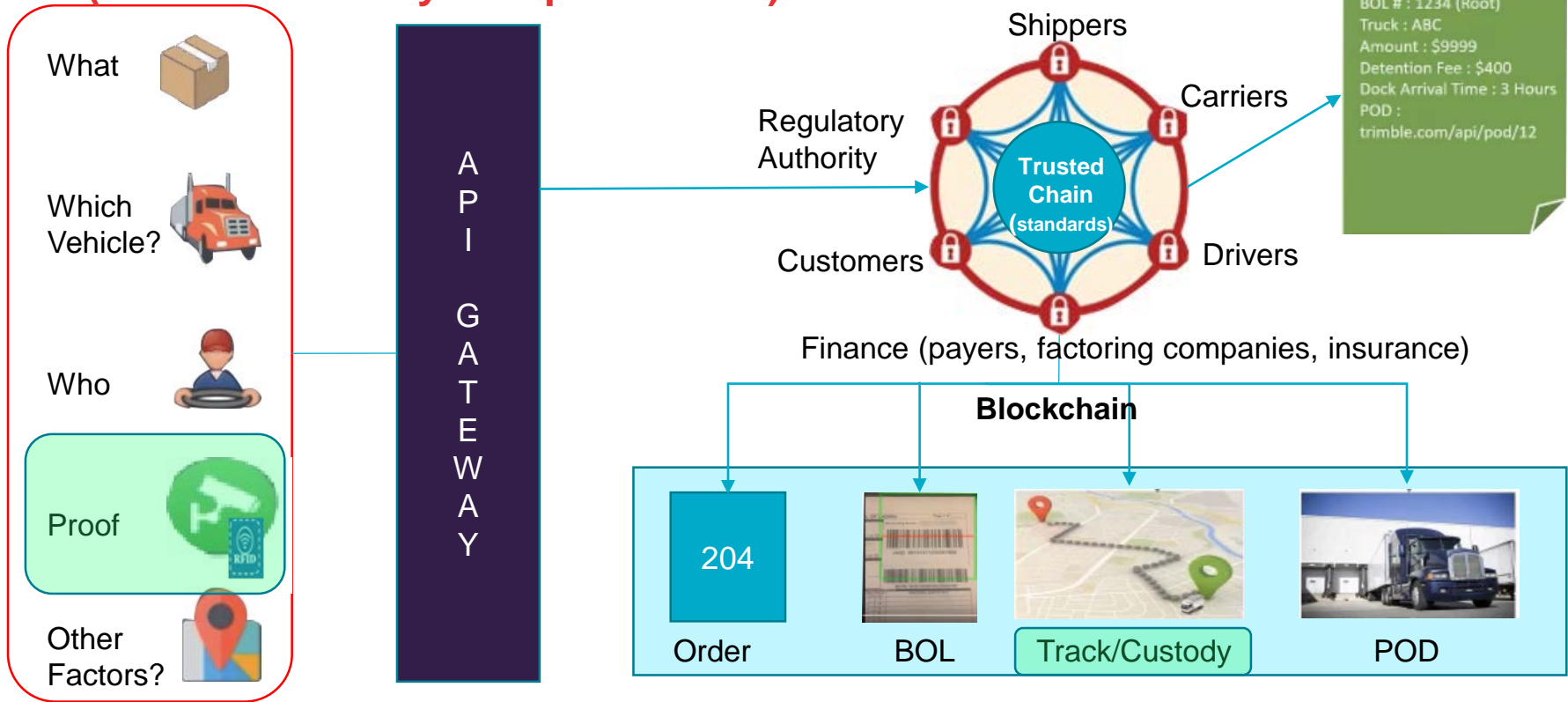
General

- OpenAPI
- Diagram UML
- Illustrative purpose – JSON Examples

Shipment

- Shipment model – Meta Model
- Compact start of the art model – **refresh** technology
- Engaged with TradeLens, GS1, MMT
- **Governance workflow**

Using Blockchain to Automate Financial Settlements (Order to Cash cycle Optimization)



Standards Development Approach

Dole
DOLE OCEAN CAR

CI PRODUCTS DR LOS ANGELES
BAY 15-16 CTC
TEL.305 54764

INTERCONTINENT USA LLC 1227
BAY 15-16 CTC
TEL.305 54764

SHIPPER DECLARED
FREIGHT CHARGES
TOTAL CHARGES
SHIPMENT DANGEROUS

ION CIFIC

Union Pacific Railroad Routing Instructions
Supply Department -- Logistics
Sample - Bill of Lading

ION CIFIC

Document 2102
Revised 11/10/2010
http://www.uprr.com/suppliers/

Shipper:
Your Company Name
123 John Street
Somewhere, ST 23456

Bill of Lading

Document 2102
Revised 11/10/2010
http://www.uprr.com/suppliers/

Shipper:
Your Company Name
123 John Street
Somewhere, ST 23456

Bill of Lading

DATE: 5/5/2014

SHIP FROM: MICH
Name: MICH
Address: TP-ADDRESS-LINE
City/State/Zip: BANGALORE CA 01821
SID#: SS

SHIP TO: 100, MAIN STREET
Name: 100, MAIN STREET
Address: ATLANTA GA 01000
City/State/Zip: MA

SHIPMENT: 100, MAIN STREET
Name: 100, MAIN STREET
Address: ATLANTA GA 01000
City/State/Zip: MA

THIRD PARTY FREIGHT CHARGES BILL TO:

Name:
Address: TP-ADDRESS-LINE
City/State/Zip: BANGALORE CA 01821

SPECIAL INSTRUCTIONS:

| CUSTOMER ORDER NUMBER | CUST# PKGS | WEIGHT | PAL |
|-----------------------|------------|--------------|-----|
| 500-PO2 | 1 | 8000 | N |
| 500-PO3 | 1 | 8000 | N |
| 500-PO4 | 1 | 8000 | N |
| 500-PO5 | 1 | 8000 | N |
| GRAND TOTAL | 4 | 32000 | |

| HANDLING UNIT | QTY | TYPE | PACKAGE | QTY | TYPE | WEIGHT | H.M (X) | COM# |
|---------------|-----|------|---------|------|------|----------|---------|------|
| 1 | 1 | ctns | 1 | ctns | 8000 | 21 | IN | TV |
| 1 | 1 | ctns | 1 | ctns | 8000 | 29 | IN | FL |
| 1 | 1 | ctns | 1 | ctns | 8000 | 14 | IN | FL |
| 1 | 1 | ctns | 1 | ctns | 8000 | DVD-HI-F | | |

CARRIER INFORMATION

UNIT: TV
TYPE: CTNS
WEIGHT: 8000
H.M: 21
COM#: IN TV

UNIT: FL
TYPE: CTNS
WEIGHT: 8000
H.M: 29
COM#: IN FL

UNIT: FL
TYPE: CTNS
WEIGHT: 8000
H.M: 14
COM#: IN FL

UNIT: DVD-HI-F
TYPE: CTNS
WEIGHT: 8000
H.M: DVD-HI-F
COM#: DVD-HI-F

SHIPPER SIGNATURE / DATE

Trailer Loaded
By Shipper
By Driver

Freight Class
By Shipper
By Driver
By Consignee
By Other

- Data collected from BoL
 - Ocean
 - Rail
 - Truckload / TLT
 - Air

FedEx International Air Waybill

Sender's Copy

1 Front

2 To Recipient

3 Shipper Information

4 Express Package Service

5 Packaging

6 Special Handling

7a Payment

7b Payment

8 Your Internal Billing Reference

9 Required Signatures

521

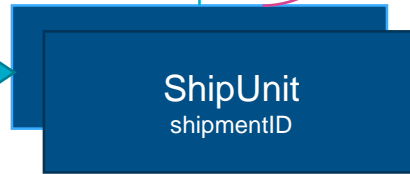
8638 2176 3560

Ship and track packages at fedex.com

Questions? Go to our Web site at fedex.com.

Shipment Definitions

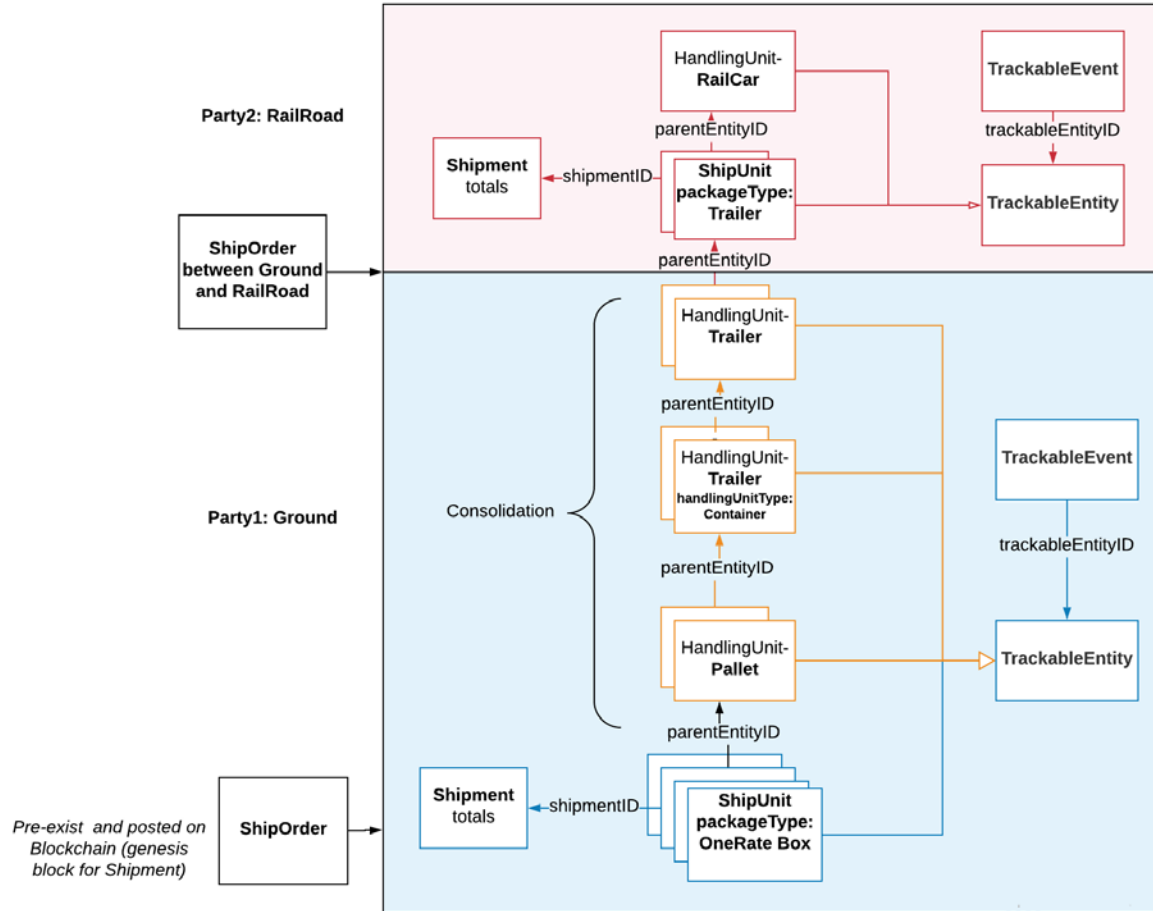
A Shipment is Goods or Products that may be transported under the terms of an Agreement authorized by two or more Parties. As a grouping of Ship Units, the shipment is moved at the same time and transported by means of a transportation service offered by the Carrier or any Transportation Service Provider (Party) and requested by the Shipper (Party) who is at one Origin (Location) to one Recipient (Party) who is at one Destination (Location), and with respect to the total number of Ship Units and their respective piece counts and total weight.



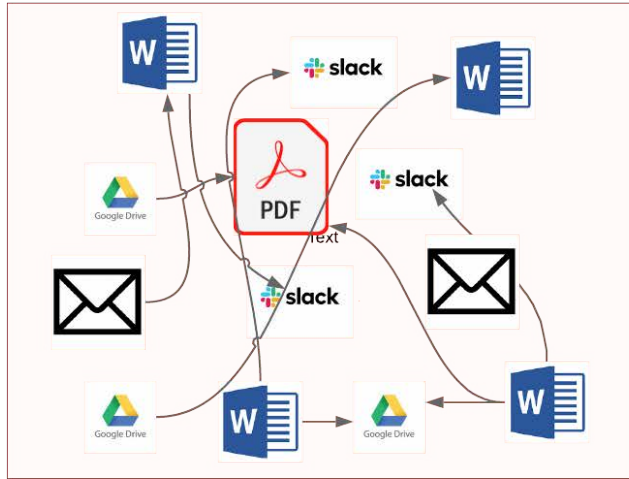
Passive vehicle resources which are responsible for bearing or storing the load of ShipUnits are collectively referred to as HandlingUnit (HU). The loadable portion of a vehicle which is used to transport goods such as a container, box or a pallet are examples of HandlingUnit.

ShipUnit describes how freight is packaged and measured for transportation. Origin and destination associated with Shipment remains the same for all ShipUnits; however, a route a portion of ShipUnit may take to reach final destination may be different.

Example



Lack of multi workgroup, multi role, Collaborative Platform



- * style
- * compliance
- * marketing
- * legal



- * review groups
- * Other workgroups
- * Business
- * Technical



- Lack of standard to define information models and APIs – Business and Technical
- No Version control
- Email/slack as state of art
- No way to get community feedback
- Incentives for participation
- Governance issues

Current Tools on the Market

- *Swagger*
- *Apicurio*
- *Stoplight*
- *Apiary*
- *Postman*
- *Readme*

- Designed for technical Developers only
- Incompatible with multi-workgroup, multirole collaborative environment
- *Scalability Issues*

rest-api_for_transportation_and_... x +

app.swaggerhub.com/apis/startup24/rest-api_for_transportation_and_global_trade_management_cloud/2019.06.20#free

SMARTBEAR SwaggerHub

Enforce Styles and Brand your APIs. Upgrade today, to do so much more! VIEW PLANS

rest-api_for_tr... 2019.06.20

SAVE SYNC

```
35         type: array
36         items:
37           $ref: '#/components/schemas/appointments'
38         links:
39           type: array
40           items:
41             $ref: '#/components/schemas/links'
42         required:
43         - items
44     '400':
45       description: Bad Request.
46       content:
47         application/vnd.oracle.resource+json;type=error:
48           schema:
49             $ref: '#/components/schemas/responses'
50     '404':
51       description: Not Found.
52       content:
53         application/vnd.oracle.resource+json;type=error:
54           schema:
55             $ref: '#/components/schemas/responses'
```

Response samples

200 400 404 500

Content type
application/vnd.oracle.resource+json;type=singular

Copy Expand all Collapse all

"attribute1": "string",

REST API for Transportation and Global Trade Management Cloud

2019.06.20 OAS3

Transportation and Global Trade Management Cloud provides multiple public REST APIs that can be used to access data stored in Transportation and Global Trade Management Cloud and construct integrations to other systems.

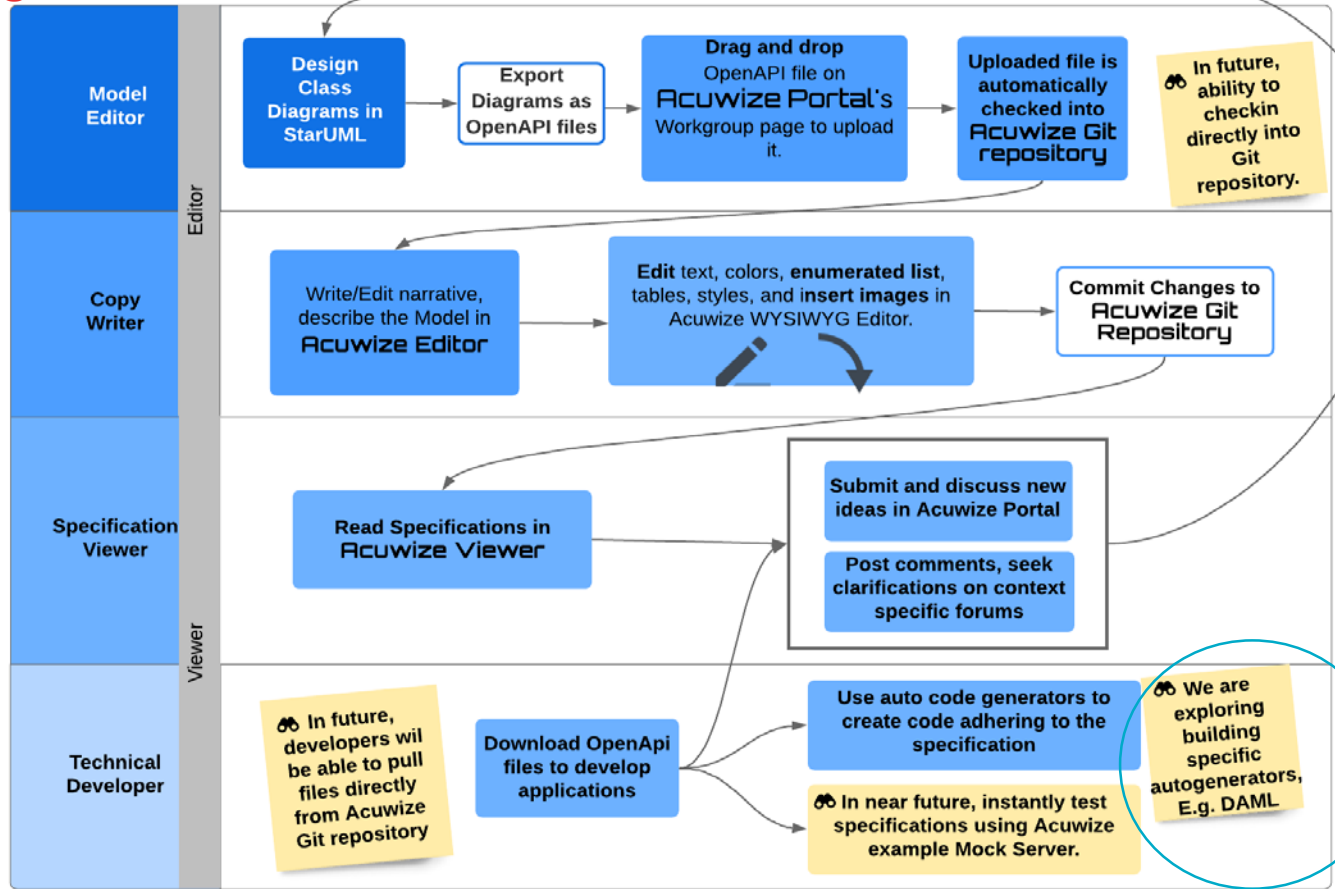
Note: "Try it out" is disabled because no servers are specified in the "servers" array.

Last Saved: 11:01:56 pm - Aug 22, 2019

VALID



New Process



Democratic Blockchain Based Voting

- Participants get to vote on API topics, Products, Ideas
- Participants may vote on specific ideas using thumbs up/down
- Votes are captured in **tamper proof** blockchain system
 - To truly enable co-opetition decentralized, trusted voting is important
- Top Ideas are voted, approved and implemented in next version of specifications
- Participants whose idea submission are accepted are rewarded with “innovator” badge and earn extra points

Home > Ideas > Foundation > Common > New Idea dev testing purpose

Tagged: [Testing](#)

This topic has 0 replies, 1 voice, and was last updated 1 month ago by Priyanga Madheswaran.

Viewing 0 reply threads

0 votes

Each Idea is tracked by unique Idea number

Idea number: B5E4257 Status: Under Review

Top 10 Ideas

[Reviewed Idea] Make a field required based on the selection... 33 100%

[Reviewed Idea] True Staging Zone integration 14 100%

[Reviewed Idea] Better capture formatting from Word into RFT 11 100%

[Delivered Idea] Bulk Printing & Sending Bulk Emails 23 100%

[Duplicate Idea] Staging configuration migration to... 15 100%

[Reviewed Idea] Easier editing for active/approved offers 24 100%

[Reviewed Idea] Improve Browser Compatibility 26 100%

[Reviewed Idea] Taleo browser configuration compatibility... 7 99%

[Delivered Idea] Increase row limit for reports 8 99%

[Reviewed Idea] Recruiting: Staffing WebTop Icons (any... 17 99%

Points and Rewards

- Members earn points for their contributions
- As their points increase their membership level may be upgraded, giving them additional privileges
- Privilege rules are configurable as smart contracts
- Members may also earn badges and may be rewarded
- May get recognized at BiTAS conferences
- Reward points are also stored in blockchain



Conversation Starter



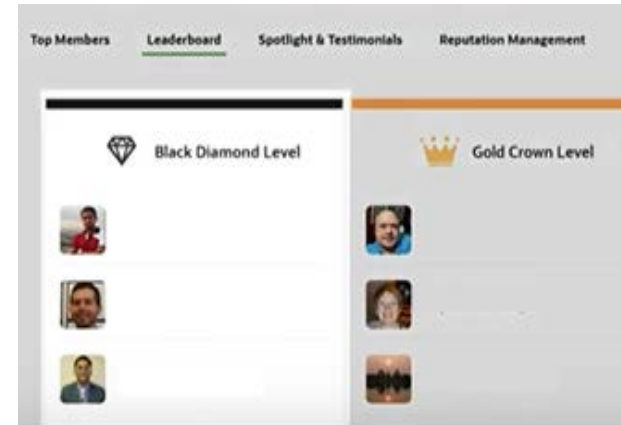
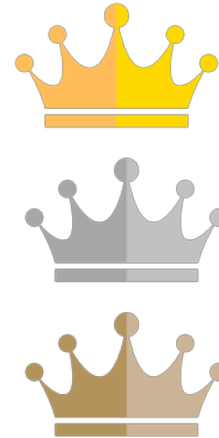
Conversationalist



Problem Solver



Innovator



Participate in BiTAS

- Signup at bitas.acuwize.com to access BiTAS standards
- Participate in workgroup meetings, forums
- Spawn new ideas and workgroup

Thank You!