
API Enhancements for FireLight

FIRELIGHT BASE

FireLight[®]

Platform

API ENHANCEMENTS FOR FIRELIGHT

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Insurance Technologies, LLC

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Design Approach - API Enhancements for FireLight

This enhancement will expand the FireLight APIs to support hitting FireLight to run rules and return validation messages and data item IDs. With this project, firms can use the FireLight Rules API for any activity type (needs determination, presale, eApp, etc.) and return dataitem id values and validation messages. The input will be a json file passed to FireLight via the API. The FireLight rules will run and return a response of updated dataitem id values and validation messages. This will give carriers/distributors the ability to leverage all of the rules already built into FireLight for other channels. Licensing is required to use this API.

API Enhancements Impacts:

- Licensing

API Functionality

- Forms Rule sets
- Illustration
- Audit History
- Reporting"

1 API Enhancements for FireLight - API to run Rules and Validations

Enhance FireLight so that any activity type can be called via API to get back dataitemid values and validation messages.

The input will be a json file passed to FireLight via API. The FireLight rules will run and return a response of updated dataitemid values and validation messages. This will give carriers/distributors the ability to leverage all of the rules already built into FireLight for other channels.

1.1 API: Create API Workflow for activities

The workflow for the majority of activities will be for the activity to be created, run rules, generate new dataitems and validation messages, reply with the data items and validation messages, but will be immediately deleted once the information is passed back to FireLight. This API will function and look the same as the Illustration data method on Illustration controller.

Acceptance Criteria

- The API will not be available for E-delivery or Quote
- The API will be available for eApp, Pre-Sale, Subpay, Illustration, Post Issue, Fee Inquiry
- The API will follow the existing pattern for current exceptions
- This functionality will need to work with the API Insights tool

1.2 API: Move Logic from Illustration controller to Activity controller

The Logic for this already exists for this feature in illustration controller and needs to be moved into activity controller. This new controller will be called "Validate Activity Data". The Illustration data method on Illustration controller will need to be validated as well.

Acceptance Criteria

- The illustration endpoint will be the same as the endpoint used for activities.
- Illustration API will still work with this move
- Ensure calc router is still called for illustration (if appropriate)

1.3 API: Billing for API Services

Pricing and licensing for the new API service will be considered a limited license under the API Access functionality, since the capabilities are very similar. From an organization in security view, it will have the same access as the API Access service

Acceptance Criteria

- The client will need the API certificate to support this new API service.
- The client will also need a token secret to support this new API service

1.4 API: Create reporting to reflect API Activities for Rules and Validations

A log in the audit needs to be generated that will capture the information passed back from the API Call. Since the activity is created and immediately deleted, the activity will need to be written using the Activity Usage Table. This will give us the ability to run a report if necessary, but is not needed as an activity report at this time.

Acceptance Criteria

- These values will be populated to fulfill the report.