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Change List:

26-March-2025

- Updated Test environment API domain to <https://tapim.wrightflood.net/wrightflood/v1>
- Updated endpoint URLs

SSO API

API Hostname (ApiHostname) Details

Test Environment

https://tapim.wrightflood.net/wrightflood/v1

Production Environment

https://apim-wright.azure-api.net/wrightflood/v1

API Operations

Operation

Service Status

Endpoint URL

https://{ApiHostname}/quoteservice/status

Description

- Returns the status of the web service.
- Use this link to submit a GET request to fetch the current service status. This can be used to check the health of the web service.
- Requires: Base64 encoded Authorization credentials.
- The server will return a ClientResponse XML object.

Request Type: GET

Header Example – Base64 Encoded Authorization Header

Authorization

VVNFUIhZWjpQQVNTV09SRFhZWg==

Request Body Example: N/A

Response Example

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ClientResponse>
  <MessageType>INFO</MessageType>
  <Message>WS0000 - Web Service is running.</Message>
</ClientResponse>
```

Operation

SingleSignOn

Endpoint URL

https://{ApiHostname}/quoteservice/signOn/{clientID}

Description

- Use the URI to generate a site token by passing client ID (if applicable).
- Use this link to submit a POST and gain access to the Wright Flood site (you will receive a site token, but does not generate quote #).
- Requires: Base64 encoded Authorization credentials.
- Requires: Client ID path parameter (if applicable).

Request Type: POST

Header Example – Base64 Encoded Authorization Header

Authorization

VVNFIhZWjpQQVNTV09SRFhZWg==

Request Body Example: N/A

Operation

Add User

Prerequisite: Agent number must exist and be setup in the Wright Flood system before operation Add User can be used.

Endpoint URL

https://{ApiHostname}/quoteservice/addUser

Description

*Not available for all clients

- Posting user_request XML to add a Single Sign-On user. (XML must conform to user_request-rest-v1_0_0.xsd or higher).
- This server will return XML conforming to the user_response-rest-v1_0_0.xsd specification.

Request Type: POST

Header Example – Base64 Encoded Authorization Header

Authorization

VVNFIhZWjpQQVNTV09SRFhZWg==

Request Body Example:

ClientResponse XML – version 1.0.1

The <ClientResponse> is described by the floodresponse-rest-v1_0_1.xsd schema definition file.

This schema describes different message types that will be returned by either a GET or a POST.

```
<?xml version="1.0" encoding="UTF-8"?>
<UserRequest xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="user_request-rest-v1_0_0.xsd">
  <UserID>WSTEST77</UserID>
  <MasterCode>true</MasterCode>
  <AgencyCode>1</AgencyCode>
  <AgencyCode>2</AgencyCode>
  <AgencyCode>3</AgencyCode>
  <AgencyCode>4</AgencyCode>
  <AgencyCode>5</AgencyCode>
```

```
<AccessRestrictions>
<timeZone>-5</timeZone>
<DaylightSavings>true</DaylightSavings>
<Monday>
<StartTime>09:00:00</StartTime>
<StopTime>17:00:00</StopTime>
</Monday>
<Tuesday>
<StartTime>09:00:00</StartTime>
<StopTime>17:00:00</StopTime>
</Tuesday>
<Wednesday>
<StartTime>09:00:00</StartTime>
<StopTime>17:00:00</StopTime>
</Wednesday>
<Thursday>
<StartTime>09:00:00</StartTime>
<StopTime>17:00:00</StopTime>
</Thursday>
<Friday>
<StartTime>09:00:00</StartTime>
<StopTime>17:00:00</StopTime>
</Friday>
</AccessRestrictions>
</UserRequest>
```

Operation

Update User

Endpoint URL

https://{ApiHostname}/quoteservice/updateUser

Description

*Not available for all clients

- Posting user_request XML to add a Single Sign-On user. (XML must conform to user_request-rest-v1_0_0.xsd or higher). *
- This server will return XML conforming to the user_response-rest-v1_0_0.xsd specification.

Request Type: POST

Header Example – Base64 Encoded Authorization Header

Authorization

VVNFUIhZWjpQQVNTV09SRFhZWg==

Request Body Example:

```
<?xml version="1.0" encoding="UTF-8"?>
<UserRequest xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="user_request-rest-v1_0_0.xsd">
  <UserID>FRANKLIN</UserID>
  <MasterCode>true</MasterCode>
  <AgencyCode>300219</AgencyCode>
  <AgencyCode>300264</AgencyCode>
  <AgencyCode>300077</AgencyCode>
  <AgencyCode>300078</AgencyCode>
  <AgencyCode>300081</AgencyCode>
</UserRequest>
```

Response Example: N/A

Schema Information

User Response XSD

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" version="1.0.0">
  <xsd:element name="UserResponse">
    <xsd:complexType>
      <xsd:sequence minOccurs="1" maxOccurs="unbounded">
        <xsd:element name="item">
          <xsd:complexType>
            <xsd:sequence minOccurs="1" maxOccurs="1">
              <xsd:element name="MessageType" type="MessageType" minOccurs="1" maxOccurs="1"/>
              <xsd:element name="Message" type="Message" minOccurs="1" maxOccurs="1"/>
              <xsd:element name="UserID" type="UserID" minOccurs="1" maxOccurs="1"/>
              <xsd:element name="AgencyCode" type="AgencyCode" minOccurs="1" maxOccurs="1"/>
            </xsd:sequence>
          </xsd:complexType>
        </xsd:element>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:simpleType name="MessageType">
    <xsd:annotation>
      <xsd:documentation>Describes different message types.</xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
      <xsd:enumeration value="ERROR"/>
      <xsd:enumeration value="WARNING"/>
      <xsd:enumeration value="INFO"/>
    </xsd:restriction>
  </xsd:simpleType>
  <xsd:simpleType name="Message">
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="300"/>
    </xsd:restriction>
  </xsd:simpleType>
  <xsd:simpleType name="UserID">
```



```

<xsd:restriction base="xsd:string">
<xsd:minLength value="1"/>
<xsd:maxLength value="50"/>
</xsd:restriction>
</xsd:simpleType>
<xsd:simpleType name="AgencyCode">
<xsd:restriction base="xsd:long">
<xsd:minInclusive value="0"/>
<xsd:maxInclusive value="9999999999"/>
</xsd:restriction>
</xsd:simpleType>
</xsd:schema>

```

User Request XSD

```

<UserRequest xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:noNamespaceSchemaLocation="../WEB-
INF/classes/schemas/user_request-rest-v1_0_0.xsd">
<UserID>ABCDEFG</UserID>
<MasterCode>true</MasterCode>
<AgencyCode>300219</AgencyCode>
<AgencyCode>300264</AgencyCode>
<AccessRestrictions>
<timeZone>-5</timeZone>
<DaylightSavings>true</DaylightSavings>
<Monday>
<StartTime>09:00:00</StartTime>
<StopTime>17:00:00</StopTime>
</Monday>
<Tuesday>
<StartTime>09:00:00</StartTime>
<StopTime>17:00:00</StopTime>
</Tuesday>
<Wednesday>
<StartTime>09:00:00</StartTime>
<StopTime>17:00:00</StopTime>
</Wednesday>
<Thursday>
<StartTime>09:00:00</StartTime>
<StopTime>17:00:00</StopTime>
</Thursday>
<Friday>
<StartTime>09:00:00</StartTime>
<StopTime>17:00:00</StopTime>
</Friday>
</AccessRestrictions>
</UserRequest>

```

REST Basic Authentication

- Authentication for all services are using Basic Authentication over SSL.
- The <ClientRequest> must be accompanied by a Base64 encoded Authorization credential in the https header.
- The format followed must be in the following format:

USERXYZ:PASSWORDXYZ

Wright Flood Agent Website

Token Access

The Single Sign-On service will return a ClientResponse XML message that will contain a site token. The token will be valid for 30 minutes after which time it will expire.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ClientResponse>
  <MessageType>INFO</MessageType>
  <Message>WS0002 - Request has been created.</Message>
  <Token>37c2a53a-7f4b-4c87-8632-15df16a43861</Token>
</ClientResponse>
```

The returned token can be used to access the website. All authentications will be handled for the life cycle of the token.

Token Access URL Examples:

Wright Flood Agent Website ([AgtWebsiteUrl](#)):

Test URL: <https://sqa.wrightflood.net>

Production URL: <https://www.wrightflood.net>

<https://{AgtWebsiteUrl}/FloodPortal/flood/goToFlood?token={SecurityToken}>

- This link redirects to the Wright Flood Agent Website and bypasses the manual authentication process.
- The security token obtained in API operation SingleSignOn is represented as **{SecurityToken}** in this URL example.

<https://{AgtWebsiteUrl}/FloodPortal/flood/goToFlood?token={SecurityToken}"e={QuoteNumber}>

- This link redirects to the Wright Flood Agent Website and bypasses the manual authentication process. In addition, after login redirection to the quote number specified in {QuoteNumber} automatically occurs.
- The security token obtained in API operation SingleSignIn is represented as {SecurityToken} in this URL example.

Non-SSO Manual Authentication

Login with Quote/Policy Redirection URL Example

Wright Flood Agent Website ([AgtWebsiteUrl](#)):

Test URL: <https://sqa.wrightflood.net>

Production URL: <https://www.wrightflood.net>

<https://{AgtWebsiteUrl}?qspn={QuoteOrPolicyNumber}>

- This link requires Agent Website manual authentication.
- Query string qspn argument value {QuoteOrPolicyNumber} is used to specify a Quote or Policy that will be redirected to after successfully authenticating.