# Edge Tablet API

Created 3/7/2018

## Overview

The Edge Tablet API is a SOAP service with 3 calls.

UploadFile - Uploads a file to be attached to an application.

DownloadFile - Downloads a file for a given FileID

Submit - used for all calls except for file handling.

All calls are a 2 part process. The first part is a PROCESS call which will return a TrackerID. The TrackerID will then be used to check the status and pull back the completed response with a RETRIEVE call.

### UploadFile Function

function UploadFile(AUserToken: WideString; AAppNumber: integer; AFileName, AFileDescription: WideString; AFile: TSoapAttachment): WideString;

AUserToken – identifies the user session. Obtained from a successful LOGIN call.

AAppNumber – ID of an Edge Application that the file should be attached to.

AFileName – actual name of the file being passed to Edge

AFileDescription – DisplayName of the file being passed to Edge. This can just be the Filename again.

AFile - The file itself, transmitted as a soap attachment.

Returns – Success, Error: Upload Failed, Error: UserToken Not Valid

### DownloadFile Function

function DownloadFile(AUserToken: WideString; AFileID: integer; AFileType: WideString): TSoapAttachment;

AUserToken – identifies the user session. Obtained from a successful LOGIN call.

AFileID – the Edge ID of a File. Obtained from a Get Files call.

AFileType – is either ‘Document’ or ‘Attachment’

Document – Contract Documents generated by Edge in PDF format

Attachment – files attached to applications

Returns – The File as a SoapAttachment

### Submit Function

function Submit(AXML: WideString): WideString;

AXML – an xml string in the required structure

Returns – an xml string

This is the basic structure of a request:

<EdgeAPI>

<RequestType/> PROCESS or RETRIEVE

<UserToken/> GUID

<EdgeFunction/> List Below

<TrackerID> When Retrieving Requests

<Request/> Master node for required info for the appropriate Edge Function

</EdgeAPI>

The <UserToken> node must be provided on all requests except a LOGIN request and retrieval of a LOGIN Request.

The <TrackerID> node must be provided on all RETRIEVE requests.

The <Request> node will contain the details necessary to complete the appropriate <EdgeFunction>.

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Options for the <RequestType> node are PROCESS and RETRIEVE.

PROCESS is for submitting a request and RETRIEVE is for checking on the status of a submitted request.

Most submissions are done as a 2 step process. You first send in a PROCESS request and receive back a TrackerID.

You will then use this TrackerID to check the progress of the request until the status comes back as Complete (or Error).

The 'Complete' response will contain a <Request> node that will contain information requested by the initial request.

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Sample RETRIEVE request:

<EdgeAPI>

<RequestType>RETRIEVE</RequestType>

<UserToken>8BA45D3E-FCD1-4FAE-BE1E-A6405DAB2055</UserToken>

<TrackerID>123</TrackerID>

</EdgeAPI>

Sample RETRIEVE response:

<EdgeAPI>

<TrackerID>123</TrackerID>

<Status>COMPLETE</Status>

<ErrorMessage/>

<Request/>

</EdgeAPI>

The following are possible statuses:

**Queued** - Waiting to be processed.

**InProcess** - Actively being processed.

**Complete** - Completed processing.

**Error** - Any Error Details will be in the ErrorMessage Node.

Options for the <EdgeFunction> Node

**Login** - Used to create a UserToken. - This token can be configured to expire in X minutes. Any use of this token resets the timer.

**Logout** - Used to invalidate the user token.

**Reset Password** - Requires a UserName and EmailAddress Node. If they are a valid pair, an email is sent to the user with a unique temporary password.

**Change Password** - Requires a UserName and Password and NewPassword Node.

**Search Apps** - Performs a search with the following input nodes: App\_Number, OppNumber, FirstName, LastName, Phone. If App\_Number or OppNumber are supplied, only those fields are searched. Otherwise, it searches any values provided in the remaining nodes using wildcards and OR. OppNumber searches the LeaseApp.ScheduleCode field.

**Get Notes** - Requires an App\_Number node. Returns a <Notes> node with the notes for the application.

**Submit Note** - Requires an App\_Number and a Comment node. Adds a note to the application.

**Get Files** - Requires an App\_Number node. Returns a <Files> node with a list of files attached to the application.

**Get Quote Info** - Returns the list of Programs in Edge. Does not include inactive and 'Rental' programs.

**Get Pending Apps** - Returns a list of pending apps that are valid for the user based on their security, management structure, and configured days in the past. (complicated)

**Docs Signed** - Requires an App\_Number node. Sets the App's status to 'Agreement Signed' and returns the App's status to verify.

**Cancel App** - Requires an App\_Number node. Sets the App's status to 'Cancelled' and returns the App's status to verify.

**Get Status** - Requires an App\_Number node. Returns the App's status.

**Submit App\*** - The Submit App function is called to send the details of the Application from the mobile device to the Web Service (and into the Edge database). This call is made to initially submit an application to the system for credit scoring and can be made again as the application is processed if data changes are made (program or amount changes, Co-applicant added, etc.). Edge determines whether it is an initial submission or a follow up submission based on whether an application number is sent in the PROCESS call. The result of this call will contain an application number, status and conditions if it is the initial call or any other call where the scorecard is run because of the resubmission. Otherwise, the status is returned just like in the Get Status call.

**Request Docs\*** - The Request Docs function allows the user to pass the latest Application data to the Edge API and request that the API create a PDF contract document with the latest data that can then be retrieved by the mobile application using the Download File Web Service function and signed electronically by the customer.

\*SUBMIT APP and REQUEST DOCS have a basic structure for the <Response> but the elements within those nodes are subject to custom mapping.

<Request>

<Application>

MAPPED APP NODES GO HERE

</Application>

<CoBorrower>

<CoBorrower>

MAPPED BORROWER NODES GO HERE

</CoBorrower>

</CoBorrowers>

</Request>

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Sample LOGIN PROCESS Request:

<EdgeAPI>

<RequestType>PROCESS</RequestType>

<EdgeFunction>LOGIN</EdgeFunction>

<Request>

<UserName>TestUser</UserName>

<Password>Password123</Password>

</Request>

</EdgeAPI>

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Sample LOGOUT PROCESS Request:

<EdgeAPI>

<RequestType>PROCESS</RequestType>

<EdgeFunction>LOGOUT</EdgeFunction>

<UserToken>8BA45D3E-FCD1-4FAE-BE1E-A6405DAB2055</UserToken>

</EdgeAPI>

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Sample RESET PASSWORD Request:

<EdgeAPI>

<RequestType>PROCESS</RequestType>

<EdgeFunction>RESET PASSWORD</EdgeFunction>

<Request>

<UserName>TestUser</UserName>

<EmailAddress>emc@gmail.com</EmailAddress>

</Request>

</EdgeAPI>

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Sample GET NOTES RETRIEVE Request:

<EdgeAPI>

<TrackerID>933</TrackerID>

<Status>Complete</Status>

<ErrorMessage/>

<Request>

<Notes>

<Note>

<NoteID>15</NoteID>

<Category/>

<UserName>Support</UserName>

<DateEntered>2018-03-02 11:28:00</DateEntered>

<Comment>test</Comment>

</Note>

</Notes>

</Request>

</EdgeAPI>

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Sample SUBMIT NOTE PROCESS Request:

<EdgeAPI>

<RequestType>PROCESS</RequestType>

<EdgeFunction>SUBMIT NOTE</EdgeFunction>

<UserToken>{82994CBD-D864-433E-8C10-875E5C7E003B}</UserToken>

<Request>

<App\_Number>4588</App\_Number>

<Comment>Note Text goes here</Comment>

</Request>

</EdgeAPI>

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Sample SEARCH APPS PROCESS Request:

<EdgeAPI>

<RequestType>PROCESS</RequestType>

<EdgeFunction>SEARCH APPS</EdgeFunction>

<UserToken>8BA45D3E-FCD1-4FAE-BE1E-A6405DAB2055</UserToken>

<Request>

<App\_Number/>

<Phone/>

<FirstName>j</FirstName>

<LastName>do<LastName>

<OppNumber/>

</Request>

</EdgeAPI>

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Sample GET STATUS RETRIEVE Response:

<EdgeAPI>

<TrackerID>7</TrackerID>

<Status>COMPLETE</Status>

<ErrorMessage/>

<Request>

<Application>

<App\_Number>100</App\_Number>

<AppStatus>Cancelled</AppStatus>

</Application>

</Request>

</EdgeAPI>

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Sample QUOTE INFO RETRIEVE Response:

<EdgeAPI>

<TrackerID>7</TrackerID>

<Status>COMPLETE</Status>

<ErrorMessage/>

<Request>

<Applications>

<Application>

<App\_Number>100</App\_Number>

<OppNumber>100</OppNumber>

<FirstName>Jane</FirstName>

<MiddleName>D</MiddleName>

<LastName>Doe</LastName>

<AppStatus>Approved</AppStatus>

<FinancedAmount>10000</FinancedAmount>

<City>Toronto</City>

<Phone>9053311209</Phone>

<Type>Finance</Type>

<AppProgram>standard</AppProgram>

</Application>

</Applications>

</Request>

</EdgeAPI>

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Sample QUOTE INFO RETRIEVE Response:

<EdgeAPI>

<TrackerID>7</TrackerID>

<Status>COMPLETE</Status>

<ErrorMessage/>

<Request>

<Programs>

<Program>

<ProgramID>101</ProgramID>

<ProgramName>Test1</ProgramName>

<Rate>9.5</Rate>

<RateFactor>.02345</RateFactor>

<TermLength>60</TermLength>

<AmortTerm>120</AmortTerm>

<QtyZeroPayments>0</QtyZeroPayments>

</Program>

</Programs>

</Request>

</EdgeAPI>

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Sample GET FILES RETRIEVE Request:

<EdgeAPI>

<TrackerID>935</TrackerID>

<Status>Complete</Status>

<ErrorMessage/>

<Request>

<Files>

<File>

<FileID>289</FileID>

<FileName>test.pdf</FileName>

<FileDescription>test.pdf</FileDescription>

<FileType>Attachment</FileType>

</File>

</Files>

</Request>

</EdgeAPI>

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Sample SUBMIT APP PROCESS Request:

<EdgeAPI>

<RequestType>PROCESS</RequestType>

<EdgeFunction>SUBMIT APP</EdgeFunction>

<UserToken>{82994CBD-D864-433E-8C10-875E5C7E003B}</UserToken>

<Request>

<Application>

<App\_Number/>

<Type>Finance</Type>

<AppProgram/>

<FirstName>John</FirstName>

<MiddleName>D</MiddleName>

<LastName>Doe</LastName>

<DLNumber>99999999</DLNumber>

<DOB>1/1/2000</DOB><SIN>8888888</SIN>

<StreetAddress>123 Fake St</StreetAddress>

<City>Toronto</City>

<Province>ON</Province>

<PostalCode>M1T 1V0</PostalCode>

<Phone>1235555555</Phone>

<Email>jDoe@test.com</Email>

<InstallAddress>22 TwentySecond St.</InstallAddress>

<InstallCity>Toronto</InstallCity>

<InstallProvince>ON</InstallProvince>

<InstallPostalCode>M8Y 1L0</InstallPostalCode>

<AdminFee>25</AdminFee>

<RegistrationFee>12</RegistrationFee>

<FinancedAmount>10000</FinancedAmount>

<InterestRate>12</InterestRate>

<Term>24</Term>

<AmortTerm>36</AmortTerm>

<DeferralPeriod>2</DeferralPeriod>

</Application>

<CoBorrowers>

<CoBorrower>

<Relationship>Sister</Relationship>

<FirstName>Jane</FirstName>

<MiddleName>X</MiddleName>

<LastName>Doe</LastName>

<DLNumber>7777777</DLNumber>

<DOB>2/2/2002</DOB>

<SIN>6666666</SIN>

<StreetAddress>33 Thirty Third St</StreetAddress>

<City>Toronto</City>

<Province>ON</Province>

<PostalCode>N1H 6J1</PostalCode>

<Phone>4568888888</Phone>

<Email>JaneD@Test.com</Email>

</CoBorrower>

</CoBorrowers>

</Request>

</EdgeAPI>