Credible Behavioral Health

HL7 Services Specifications

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Introduction

This document outlines the proposed specifications for the Credible Behavioral Health web service (CBH-WS) interface that will allow external applications to electronically exchange health information with Credible Behavioral Health software primarily using HL7 standards.

Specifications

Security

CBH-WS can be accessed by any authorized application using HTTPS protocol. Credible will provide a service API key for each external agency that is authorized to access this web service. The authorized application should pass the service key and user credentials to the login web service method (explained in detail in the next section). The service processes the login request and returns a HTTP response containing either a JSON web token (JWT) with a token expiration time for authorized callers or an error message for unauthorized callers.

In addition to verifying application and user credentials, the web service also enforces IP filtering. At the time of service key generation, the external agency requesting access has to provide Credible with the list of IP addresses from which CBH-WS will be accessed. Any incoming HTTP request originating from an IP address that is not on the agency's white list of IP addresses will be denied access to the service.

All subsequent calls to the web service should include the generated JWT as the Bearer token in the HTTP request's authorization header. It is the responsibility of the calling application to verify the expiration time of the web token before making a service request.

CBH-WS REST API

Authentication

Login

Relative URL	*api/serviceaccount/login*
Description	Authenticates service account and user
HTTP Method	POST
Allowed Request Body Formats	application/json, application/xml
Parameter Description	*ServiceKey*: Service API key of agency account, *UserId*: User ID value *UserIdentifier*: User identifier type [Allowed values are 1 for SSN and 2 for ExternalId of Employee record in the Credible partner domain]
Response Description	Authentication result based on given service credentials *LoginStatus*: Possible values are 1 – 5. Only 1 indicates authorized user *SecurityToken*: Web token string *TokenExpirationUtcTime*: UTC expiration time of token *ErrorMessage*: Reason for authentication denial for LoginStatus 2, 3, 4 and 5
Sample Request Body (JSON)	{ "ServiceKey": "0b965340-2e0e-42a2-a362-97357b0a3f9d", "UserId": "111223333", "UserIdentifier": 1 }
Sample Response Body (JSON)	{ "LoginStatus": 1, "SecurityToken": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9. eyJpc3MiOiJDQkhUb2tlblNlcnZpY2UiLCJhdWQiOiJodHRwO i8vY29tLmNyZWRpYmxlYmguc2VydmljZXMiLCJuYmYiOjEzO TY1MzYzNDQsImV4cCI6MTM5NjUzOTA0NCwidW5pcXVlX2 5hbWUiOiJNQVNURVIvZ21hY2tpbiIsInJvbGUiOiJXSyBTdXBl cnZpc28iLCJQcm9maWxlSWQiOiIxMTQiLCJfbXBsb3llZUlkIj oiNDAyMiIsIlByaW1hcnlUZWFtSWQiOiI4In0.pLcWdyW8TE ShpSvfcjT9COhmoJvafGV4fja4KPGCNiA", "TokenExpirationUtcTime": "2014-05-08T18:21:30.211184-04:00", "ErrorMessage": "" }

Claims

Submit Claims

Relative URL	*api/claims/*
Description	Accepts the set of claims to be processed in 837P X12 document format
HTTP Method	POST
Parameter Description	None Request body should contain the 837P file content
Response Description	Unique number batch identifier for given set of claims
Sample Request Body (JSON)	
Sample Response Body (JSON)	1245

Claims Submission Acknowledgment

Relative URL	*api/claims/acknowledgement?batchId={batchId}*
Description	Gets the acknowledgement receipt of the given claims batch identifier
HTTP Method	GET
Parameter Description	*batchId*: Unique batch identifier of claims
Response Description	Claim transaction set acknowledgement in X12 999 document format
Sample Request Body (JSON)	
Sample Response Body (JSON)	<999 file contents>

Client

Find Client Id

Relative URL	*api/client/findclientid/*
Description	Finds the unique client identifier based on client information as follows: • First Name, Last Name and External Id of client, or • First Name, Last Name and SSN of client, or • First Name, Last Name and Date of Birth of client
HTTP Method	POST
Parameter Description	*FirstName*: First name of the client, *LastName*: Last name of the client, *DateOfBirth*: Date of birth of the client in (MM/DD/YYYY format), *SSN*: SSN of the client, *ExternalId*: External identifier of the client
Response Description	*ClientId*: Unique identifier of the client, if unique matching record is found
Sample Request	api/client/findclientid?firstName={firstName}&lastName={lastName}&dateOfBirth={dateOfBirth}&ssn={ssn}&externalId={externalId}
Sample Response Body	1234

Clinical

Submit Clinical Summary

Relative URL	*api/clinical/submitsummary/{clientId}*
Description	Accepts a clinical summary of a patient in the format of CDA.XML
HTTP Method	POST
Parameter Description	*ClientId*: Unique identifier of the client The request body should contain the CDA.XML file content.
Response Description	Service success/failure
Sample Request Body (JSON)	
Sample Response Body (JSON)	

Submit Assessment Level

Relative URL	*api/clinical/submitassessmentlevel/*
Description	Updates the level of care assessment score/level for a client
HTTP Method	POST
Parameter Description	*ClientId*: Unique identifier of the client *AssessmentType*: Assessment type (Accepted values: LOCUS) *AssessmentLevel*: Assessment level or score for this client
Response Description	Service call success/failure

Sample Request Body (JSON)	{
	  "ClientId": 1,
	  "AssessmentType": "LOCUS",
	  "AssessmentLevel": "12434"
	}