CrowdWisdom™ Web Service Integration

Subscription Notifications

## Summary:

Subscription Notification Web Service provides an integration point for trusted thirdparty applications to send learner enrollment information to the CrowdWisdom™ Learning Portal.

**WSDL location**

**Production**

http://<clientID>.mycrowdwisdom.com/diweb/ ws/integration/v1?wsdl

**Staging**

http://<clientID>.precrowdwisdom.com/diweb/ws/integration/v1?wsdl

**Service API**

There are three API methods defined:

* *ymConnect* – initiate communication and obtain authorization from the CrowdWisdom™ Learning Portal.
* *subscribeNotification* – send one or moresubscribe (enrollment0 notifications to the Learning Portal.
* *unsubscribeNotification* – send one or more unsubscribe (withdraw) notifications to the Learning Portal.

Client application must obtain a session token first by calling the ymConnect method, then use the given session token to invoke the appropriate actions (subscribe/unsubscribe)

**ymConnect**

**Purpose**Initiate communication and obtain session token. This method must be called before calling any other methods.

## Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Required | Description |
| SystemID | String | Y | A vendor specific System ID assigned by Yourmembership. |
| vendorUsername | String | Y | API username provided by YM |
| vendorPass | String | Y | API password provided by YM |

## Response parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Description |
| VendorToken | String | Web service session token, required for other method invocations. Return “error [x]”, where “x” is the error code, if error encountered. |

## Error Codes

|  |  |
| --- | --- |
| Name | Description |
| 2 | Invalid System ID |
| 101 | Invalid username or password |
| 10-character alphanumeric string | Unexpected Error. The 10-character alphanumeric code represents the error token logged. |

#### *Sample Request*

<soap:Envelope>  
<soap:Body>  
<ns2:diConnect >  
<systemID>ctx:sys</systemID>  
<vendorUsername>username</vendorUsername>  
<vendorPass>\*\*\*\*\*\*\*</vendorPass>  
</ns2:diConnect>  
</soap:Body>  
</soap:Envelope>

#### *Sample Response*

<soap:Envelope>  
<soap:Body>  
<ns2:diConnectResponse>  
<return>W60RBR0BMQ</return>  
</ns2:diConnectResponse>  
</soap:Body>  
</soap:Envelope>

#### *Sample Error Response*

<soap:Envelope>  
<soap:Body>  
<ns2:diConnectResponse>  
<return>error [1]</return>  
</ns2:diConnectResponse>  
</soap:Body>  
</soap:Envelope>

**subscribeNotification**

**Purpose**

Send one or more subscribe (enrollment) notifications to the Learning Portal. After successful invocation, users will be enrolled into the given products.

## Request Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Required | Description |
| SystemID | String | Y | A vendor specific System ID assigned by YM. |
| transactionId | String | N | Client application transaction ID |
| vendorToken | String | Y | Session token obtain via the YMConnect API call. |
| records | CheckoutRecord\* | Y | List of records to be processed |

## CheckoutRecord

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Required | Description |
| customerID | String | Y | Unique user identifier in the calling system. |
| startDate | Date Time | N | Date and time when course will be started. Default to current date and time if not specified. Ignored if startOnFirstAccess is set to true. |
| endDate | Date Time | N | Date and time when course should be ended. Default to no ending date. Ignored if startOnFirstAccess is set to true. |
| productId | String | Y | Unique product ID in the calling system. NOTE: Product ID must exist in the CrowdWidsom™ Learning Portal |
| startOnFirstAccess | Boolean | N | Indicating whether to start the subscription upon the learner first time launch the product. Default is false. |
| subscriptionLength | Integer | N | Length in number of units (see subscriptionUnit) this course will be valid for this user. Required if endDate is not set or startOnFirstAccess is set to true. |
| subscriptionUnit | String | N | Subscription length unit, valid values are: Hour, Day, Week, Month, and Year. Required if subscriptionLength is specified. |

## Response parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Description |
| Result | String | Return “success” if all records processed successfully, otherwise “error [x]” where x is the actual error code. |

## Error Codes

|  |  |
| --- | --- |
| Name | Description |
| 1 | Invalid session token |
| 2 | Invalid system ID |
| 201 | Invalid product ID |
| 250 | Missing or invalid subscription length |
| 251 | Missing subscription unit |
| 252 | Invalid subscription unit |
| 10-character alphanumeric string | Uenexpected Error. The 10-character alphanumeric code presents the error token logged. |

**unsubscribeNotification**

**Purpose**

Send one or more unsubscribe (withdraw) notifications to the Learning Portal. After successful invocation, users will be withdrawn from the given products.

## Request Parameters

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Name | Data Type | | Required | | Description | |
| SystemID | String | | Y | | A vendor specific System ID assigned by YM. | |
| vendorToken | String | | Y | | Session token obtain via the ymConnect API call. | |
| records | CheckoutRecord\* | | Y | | List of records to be processed. \* All fields are optional exception customerId and productId. | |
| subscriptionUnit | | String | | N | | Subscription length unit, valid values are: Hour, Day, Week, Month, and Year. Required if subscriptionLength is specified. |

## Response parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Description |
| Result | String | Return “success” if all records processed successfully, otherwise “error [x]” where x is the actual error code. |

## Error Codes

|  |  |
| --- | --- |
| Name | Description |
| 1 | Invalid session token |
| 2 | Invalid system ID |
| 10-character alphanumeric string | Uenexpected Error. The 10-character alphanumeric code presents the error token logged. |

For comments and questions, please contact your YM Technical point-person.