CrowdWisdom™ Web Service Integration

Institution Service

## Summary:

Institution Web Service API provides an integration point for trusted third-party applications to create institution and enroll users into the CrowdWisdom™ Learning Portal Institutions.

**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:

* *diConnect* – initiate communication and obtain authorization from the CrowdwisdomTM Learning Portal.
* *createInstitution* – create or update an institution.
* *enrollInstitution* – enroll one or more users into the learning products available on the given institution.

Client application must obtain a session token first by calling the diConnect method, then use the given session token to invoke the appropriate actions (createInstitution/enrollInstitution)

**diConnect**

**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 Your Membership. |
| vendorUsername | String | Y | API username provided by YM |
| vendorPass | String | Y | API password provided by YM |

## Response parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Description |
| sessionToken | 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>

**createInsitution**

**Purpose**

Create or update an institution. After successful invocation, Institution will be created or

updated.

## Request Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Required | Description |
| SystemID | String | Y | A vendor specific System ID assigned by YM. |
| sessionToken | String | Y | Session token obtain via the diConnect API call. |
| record | InsitutionRecord | Y | Record to be processed |

## InstitutionRecord

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Required | Description |
| id | String | N | Unique institution identifier in the calling system. \*Required if name is not specified while updating an existing institution. |
| name | String | N | Name of the institution. \*Required if creating a new institution or updating an existing institution without specifying the institution id. |
| description | String | N | Short Description for the Institution Displayed on the institution landing page if specified |
| logoUrl | String | N | Logo for the institution. Displayed on the institution landing page if specified. |
| administrator | User | N | Assign an administrator to the given institution. |
| products | InstitutionProduct\* | N | List of products that will be part of this institution |
| userLimit | Integer | N | Limit number of users allowed to enroll into the institution. Unlimited (0) by default. |

## User

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Required | Description |
| id | String | Y | Unique user identifier in the calling system. |
| firstName | String | N | Administrator First Name |
| lastName | String | N | Administrator Last Name |
| email | String | N | Administrator Email |
| username | String | N | Administrator User Name |
| password | String | N | Administrator Password |

## InstitutionProduct

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Required | Description |
| id | String | N | Identify an existing product by the id in the calling system. Required if name is not specified. |
| name | String | N | Identify an existing product by name. Required if id is not specified. |
| openAccess | Boolean | N | Allow user to self-enroll if the product is free of charge |
| startDate | Date | N | Enrollment availability start date |
| endDate | Date | N | Enrollment availability end date |
| catalog | String | N | Specify the cataolog to create the entry (i.e. member). Optional, default will be used if not specified. |
| displayName | String | N | Product display name. Overrides the product name in the LMS. |
| startOnFirstAccess | Boolean | N | Indicating whether to start the learner subscription upon first time access. Only used for subscription based catalog entries. |
| subscriptionBased | Boolean | N | Indicating whether this is a subscription based course. Default is set to true. |
| enrollLimit | Integer | N | Enrollment limit. Default value is -1 which means unlimited number of enrollments. |
| section | String | N | Custom field one |
| code | String | N | Custom field two |
| term | String | N | Custom field three |
| variant | EntryVariant | N | Catalog entry price variants (price drop down list in the catalog view) |

## EntryVariant

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Required | Description |
| titleTemplate | String (255) | N | String template to be used to display the variant pricing information.   Default value for subscription based course is: “${len} ${unit} Subscription (${price})”  Default value for date based course is: “${start} - ${end} (${price})” |
| Len | Integer | N | Subscription length. Required for subscription based courses. |
| Unit | Unit (day, Week, Month, Year) | N | Subscription length unit. Required for subscription based courses. |
| Price | Price | N | Cost for this entry variant. |
| startDate | Date Time | N | Entry variant start date. Required for date based courses and ignored for subscription based courses. Default value is current date and time. |
| endDate | Date Tim | N | Entry variant end date. Required for date based courses and ignored for subscription based courses. |

## 

## Response Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Description |
| Id | String | Institution GUID |
| url | String | Globally unique institution landing page URL |
| Code | Integer | Error code |
| Message | String | Message |

## Error Codes

|  |  |
| --- | --- |
| Code | Description |
| 0 | Success |
| 1 | Invalid session token |
| 2 | Invalid system ID |
| 400 | Missing institution identifier |
| 401 | Institution name is required |
| 402 | Duplicate institution name |
| 500 | Unexpected Error |

**enrollInsitution**

**Purpose**

Enroll one or more users into the learning products available on the given institution. After

successful invocation, users will be enrolled into institution products.

## Request Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Required | Description |
| systemID | String | Y | A vendor specific System ID assigned by YM. |
| sessionToken | String | Y | Session token obtain via the YMConnect API call. |
| Institution | Identifier | Y | Institution identifier |
| Enrollments | InstitutionEnrollment\* | Y | List of records to be processed. |

## InstitutionEnrollment

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Required | Description |
| Type | Type | Y | Add or Remove \*ONLY ADD AVAILABLE AT THIS TIME |
| Product | Identifier | Y | Product Identifier |
| User | String | Y | User details |

## Identifier

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Required | Description |
| Id | String | N | Entity identifier from the calling system. Required if name is not specified. |
| Name | String | N | Entity name. Required if id is not specified. |

## Response Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Description |
| Code | Integer | Error Code |
| Message | String | Error Message |

## Error Codes

|  |  |
| --- | --- |
| Code | Description |
| 0 | Success |
| 1 | Invalid session token |
| 2 | Invalid system ID |
| 600 | Missing or invalid institution identifier |
| 500 | Unexpected Error |