SOAP to REST

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SOAP to REST migration: Mapping

The purpose of this document is to provide a mapping from SOAP Web Service calls to REST API Endpoints. This is meant to be a quick-start guide to the migration process. With SOAP being deprecated in the near term future and removed from Learn following the public API Deprecation Policy, it is our intention to provide you the information you need in order to migrate as painlessly as possible. This is a living document and will up updated as the last few remaining gaps in functionality are closed.

New REST APIs are rolled out in new versions of Learn, but never back-ported to previous releases. To be sure the endpoint you require is available, be sure to visit the Developer Portal and check the individual endpoints you need.

Announcements

Use Case	SOAP WS Call	REST Endpoint
Create Course Announcement	AnnouncementWS.createCourseAnnouncements()	POST /learn/api/public/v1/courses/{courseId}/announcements
Read Course Announcement	AnnouncementWS.getCourseAnnouncements()	GET /learn/api/public/v1/courses/{courseId}/announcements/{announce
Read All Course Announcements	AnnouncementWS.getCourseAnnouncements()	GET /learn/api/public/v1/courses/{courseId}/announcements
Update Course Announcement	AnnouncementWS.updateCourseAnnouncements()	PATCH /learn/api/public/v1/courses/{courseId}/announcements/{announce
Delete Course Announcement	AnnouncementWS.deleteCourseAnnouncements()	DELETE /learn/api/public/v1/courses/{courseId}/announcements/{announce
Create Organization Announcement	AnnouncementWS.createOrgAnnouncements()	POST /learn/api/public/v1/courses/{courseId}/announcements
Read Organization Announcement	AnnouncementWS.getOrgAnnouncements()	GET /learn/api/public/v1/courses/{courseId}/announcements/{announce
Read All Organization Announcements	AnnouncementWS.getOrgAnnouncements()	GET /learn/api/public/v1/courses/{courseId}/announcements
Update Organization Announcement	AnnouncementWS.updateOrgAnnouncements()	PATCH /learn/api/public/v1/courses/{courseId}/announcements/{announce
Delete Organization Announcement	AnnouncementWS.deleteOrgAnnouncements()	DELETE /learn/api/public/v1/courses/{courseId}/announcements/{announce
Create System Announcement	AnnouncementWS.createSystemAnnouncements()	POST /learn/api/public/v1/announcements
Read System Announcement	AnnouncementWS.getSystemAnnouncements()	GET /learn/api/public/v1/announcements/{announcementId}
Read All System Announcements	AnnouncementWS.getSystemAnnouncements()	GET /learn/api/public/v1/announcements

Use Case	SOAP WS Call	REST Endpoint
Update System Announcement	AnnouncementWS.updateSystemAnnouncements()	PATCH /learn/api/public/v1/announcements/{announcementId}
Delete System Announcement	AnnouncementWS.deleteSystemAnnouncements()	DELETE /learn/api/public/v1/announcements/{announcementId}

Calendar

Use Case	SOAP WS Call	REST Endpoint
Create a Course Calendar Item	CalendarWS.createCourseCalendarItem()CalendarWS.saveCourseCalendarItem()	POST /learn/api/public/v1/calendars/items
Read a Course Calendar Item	CalendarWS.getCalendarItem()	GET /learn/api/public/v1/calendars/items/{calendar type}/{calendar item id}
Read all Course Calendar Items	CalendarWS.getCalendarItem()	GET /learn/api/public/v1/calendarsGET /learn/api/public/v1/calendars/items
Update a Course Calendar Item	CalendarWS.updateCourseCalendarItem()CalendarWS.saveCourseCalendarItem()	PATCH /learn/api/public/v1/calendars/items/{calendar type}/{calendar item id}
Delete a Course Calendar Item	CalendarWS.deleteCourseCalendarItem()	DELETE /learn/api/public/v1/calendars/items/{calendar type}/{calendar item id}
Create an Institutional Calendar Item	CalendarWS.createInstitutionalCalendarItem()CalendarWS.saveInstitutionalCalendarItem()	POST /learn/api/public/v1/calendars/items
Read an Institutional Calendar Item	CalendarWS.getCalendarItem()	GET /learn/api/public/v1/calendars/items/{calendar type}/{calendar item id}
Read all Institutional Calendar Items	CalendarWS.getCalendarItem()	GET /learn/api/public/v1/calendarsGET /learn/api/public/v1/calendars/items
Update an Institutional Calendar Item	CalendarWS.updateInstitutionalCalendarItem()CalendarWS.saveInstitutionalCalendarItem()	PATCH /learn/api/public/v1/calendars/items/{calendar type}/{calendar item id}
Delete an Institutional Calendar Item	CalendarWS.deleteInstitutionalCalendarItem()	DELETE /learn/api/public/v1/calendars/items/{calendar type}/{calendar item id}
Create a Personal Calendar Item	CalendarWS.createPersonalCalendarItem()CalendarWS.savePersonalCalendarItem()	POST /learn/api/public/v1/calendars/items
Read a Personal Calendar Item	CalendarWS.getCalendarItem()	GET /learn/api/public/v1/calendars/items/{calendar type}/{calendar item id}
Read all Personal Calendar Items	CalendarWS.getCalendarItem()	GET /learn/api/public/v1/calendarsGET /learn/api/public/v1/calendars/items
Update a Personal Calendar Item	CalendarWS.updatePersonalCalendarItem()CalendarWS.savePersonalCalendarItem()	PATCH /learn/api/public/v1/calendars/items/{calendar type}/{calendar item id}
Delete a Personal Calendar Item	CalendarWS.deletePersonalCalendarItem()	DELETE /learn/api/public/v1/calendars/items/{calendar type}/{calendar item id}

Content

Use Case	SOAP WS Call	REST Endpoint
Create Course TOC	ContentWS.saveCourseTOC()	POST /learn/api/public/v1/courses/{courseId}/contents
Read Course TOC	ContentWS.getTOCsByCourseId()	GET /learn/api/public/v1/courses/{courseId}/contents/{content ID}
Read All Course TOC	ContentWS.getTOCsByCourseId()	GET /learn/api/public/v1/courses/{courseId}/contents
Update Course TOC	ContentWS.saveCourseTOC()	PATCH /learn/api/public/v1/courses/{courseId}/contents
Delete Course TOC	ContentWS.deleteCourseTOCs()	DELETE /learn/api/public/v1/courses/{courseId}/contents
Create Content Item	ContentWS.saveContent()	POST /learn/api/public/v1/courses/{courseId}/contents/{content ID)/children
Read Content Item	ContentWS.getFilteredContent()	GET /learn/api/public/v1/courses/{courseId}/contents/{content ID}
Read All Content Items	ContentWS.getFilteredContent()	GET /learn/api/public/v1/courses/{courseId}/contents/{content ID)/children
Update Content Item	ContentWS.saveContent()	PATCH /learn/api/public/v1/courses/{courseId}/contents
Delete Content Item	ContentWS.deleteContents()	DELETE /learn/api/public/v1/courses/{courseId}/contents
Attach File	ContentWS.addContentFile()	POST /learn/api/public/v1/courses/{courseId}/contents/{content ID}/attachment
Remove File	ContentWS.deleteContentFiles()	DELETE /learn/api/public/v1/courses/{courseId}/contents/{contentID}/attachment/{attachment ID}
Update File	ContentWS.updateContentFileLinkName()	DELETE /learn/api/public/v1/courses/{courseId}/contents/{contentID}/attachment/{attachment ID}POST /learn/api/public/v1/courses/{courseId}/contents/{content ID}/attachment
Read Content File	ContentWS.getContentFiles()	GET /learn/api/public/v1/courses/{courseId}/contents/{contentID}/attachment/{attachment ID}
Read All Content Files	ContentWS.getContentFiles()	GET /learn/api/public/v1/courses/{courseId}/contents/{content ID}/attachment
Download Content File	ContentWS.getContentFiles()	GET /learn/api/public/v1/courses/{courseId}/contents/{contentID}/attachment/{attachment ID}/downloads
Create Link	ContentWS.saveLink()	POST /learn/api/public/v1/courses/{courseId}/contents/{content ID}/children
Read Link	ContentWS.getLinksByReferredToType()	GET /learn/api/public/v1/courses/{courseId}/contents/{content ID}

Use Case	SOAP WS Call	REST Endpoint
Read All Links	ContentWS.getLinksByReferredToType()	GET /learn/api/public/v1/courses/{courseId}/contents
Update Link	ContentWS.saveLink()	PATCH /learn/api/public/v1/courses/{courseId}/contents/{content ID}
Delete Link	ContentWS.deleteLink()	DELETE /learn/api/public/v1/courses/{courseId}/contents/{content ID}
Get Reviewed Status	ContentWS.getReviewStatusByCourseId()	GET /learn/api/public/v1/courses/{courseId}/contents/{contentId}/users/{userId}/revie
Set Reviewed Status	ContentWS.setContentReviewed()	PATCH /learn/api/public/v1/courses/{courseId}/contents/{contentId}/users/{userId}/revie

Context

Use Case	SOAP WS Call	REST Endpoint
Register Tool	ContextWS.registerTool()	N/A
Emulate a User	ContextWS.emulateUser()	GET /learn/api/public/v1/oauth2/authorizationcodePOST /learn/api/public/v1/oauth2/token
Extend Session Life	ContextWS.extendSessionLife()	POST /learn/api/public/v1/oauth2/token
Get Memberships By UserID	ContextWS.getMemberships()	GET /learn/api/public/v1/users/{user id}/courses
Get Current User's Memberships	ContextWS.getMyMemberships()	GET /learn/api/public/v1/users/me/courses
Get System Installation ID	ContextWS.getSystemInstallationId()	
Login as User	ContextWS.login()	GET /learn/api/public/v1/oauth2/authorizationcodePOST /learn/api/public/v1/oauth2/token
Login with Access Ticket	ContextWS.loginTicket()	N/A
Login as Tool	ContextWS.loginTool()	POST /learn/api/public/v1/oauth2/token
Logout	ContextWS.logout()	N/A

Courses

Use Case	SOAP WS Call	REST Endpoint
Create Course	CourseWS.createCourse()	POST /learn/api/public/v2/courses
Read Course	CourseWS.getCourse()	GET /learn/api/public/v2/courses/{courseId}
Read All Courses	CourseWS.getCourse()	GET /learn/api/public/v2/courses
Update Course	CourseWS.saveCourse()	PATCH /learn/api/public/v2/courses/{courseId}
Update Course BatchUID	CourseWS.changeCourseBatchUid()	PATCH /learn/api/public/v2/courses/{courseId}
Update Course Category	CourseWS.changeCourseCategoryBatchUid()	PATCH /learn/api/public/v1/catalog/categories/{categoryType}/{categoryId}
Update Course Datasource	CourseWS.changeCourseDataSourceId()	PATCH /learn/api/public/v2/courses/{courseId}
Delete Course	CourseWS.deleteCourse()	DELETE /learn/api/public/v2/courses/{courseId}
Create Organization	CourseWS.createOrg()	POST /learn/api/public/v2/courses
Read Organization	CourseWS.getOrg()	GET /learn/api/public/v2/courses/{courseId}

Use Case	SOAP WS Call	REST Endpoint
Read All Organizations	CourseWS.getOrg()	GET /learn/api/public/v2/courses
Update Organization	CourseWS.saveCourse()	PATCH /learn/api/public/v2/courses/{courseId}
Update Organization BatchUID	CourseWS.changeOrgBatchUid()	PATCH /learn/api/public/v2/courses/{courseId}
Update Organization Category	CourseWS.changeOrgCategoryBatchUid()	PATCH /learn/api/public/v1/catalog/categories/{categoryType}/{categoryId}
Update Organization Datasource	CourseWS.changeOrgDataSourceId()	PATCH /learn/api/public/v2/courses/{courseId}
Delete Organization	CourseWS.deleteOrg()	DELETE /learn/api/public/v2/courses/{courseId}
Create Group	CourseWS.saveGroup()	POST /learn/api/public/v1/courses/{courseId}/groups
Read Group	CourseWS.getGroup()	GET /learn/api/public/v1/courses/{courseId}/groups/{group Id}
Read All Groups	CourseWS.getGroup()	GET /learn/api/public/v1/courses/{courseId}/groups
Update Group	CourseWS.saveGroup()	PATCH /learn/api/public/v1/courses/{courseId}/groups/{group Id}
Delete Group	CourseWS.deleteGroup()	DELETE /learn/api/public/v1/courses/{courseId}/groups/{group Id}
Create Term	CourseWS.saveTerm()	POST /learn/api/public/v1/terms
Read Term	CourseWS.loadTerm()CourseWS.loadTermByCourseId()	GET /learn/api/public/v1/terms/{term id}
Read All Terms	CourseWS.loadTerms()CourseWS.loadTermsByName()	GET /learn/api/public/v1/terms
Update Term	CourseWS.saveTerm()	PATCH /learn/api/public/v1/terms/{term id}
Delete Term	CourseWS.deleteTerm()	DELETE /learn/api/public/v1/terms/{term id}
Add Course to Term	CourseWS.addCourseToTerm()	PATCH /learn/api/public/v2/courses/{courseId}
Get Courses in Term	CourseWS.loadCoursesInTerm()	GET /learn/api/public/v2/courses?termId={term id}
Remove Course From Term	CourseWS.removeCourseFromTerm()	PATCH /learn/api/public/v2/courses/{courseId}
Create Course Category	CourseWS.saveCourseCategory()	POST /learn/api/public/v1/catalog/categories/{categoryType}
Read Course Category	CourseWS.getCategories()	GET /learn/api/public/v1/catalog/categories/{categoryType}/{categoryId}
Read All Course Categories	CourseWS.getCategories()	GET /learn/api/public/v1/catalog/categories/{categoryType}
Update Course Category	CourseWS.saveCourseCategory()	PATCH /learn/api/public/v1/catalog/categories/{categoryType}/{categoryId}
Delete Course Category	CourseWS.deleteCourseCategory()	DELETE /learn/api/public/v1/catalog/categories/{categoryType}/{categoryId}
Create Course Category Membership	CourseWS.saveCourseCategoryMembership()	PUT /learn/api/public/v1/catalog/categories/{categoryType}/{categoryId}/courses/{
Read Course Category Membership	CourseWS.getCourseCategoryMembership()	GET /learn/api/public/v1/catalog/categories/{categoryType}/{categoryId}/courses/{ /learn/api/public/v1/courses/{courseId}/categories
Read All Course Category Memberships	CourseWS.getCourseCategoryMembership()	GET /learn/api/public/v1/catalog/categories/{categoryType}/{categoryId}/courses

Use Case	SOAP WS Call	REST Endpoint
Update Course Category Membership	CourseWS.saveCourseCategoryMembership()	PUT /learn/api/public/v1/catalog/categories/{categoryType}/{categoryId}/courses/{
Delete Course Category Membership	CourseWS.deleteCourseCategoryMembership()	DELETE /learn/api/public/v1/catalog/categories/{categoryType}/{categoryId}/courses/{
Create Organization Category	CourseWS.saveOrgCategory()	POST /learn/api/public/v1/catalog/categories/{categoryType}
Read Organization Category	CourseWS.getCategories()	GET /learn/api/public/v1/catalog/categories/{categoryType}/{categoryId}
Read All Organization Categories	CourseWS.getCategories()	GET /learn/api/public/v1/catalog/categories/{categoryType}
Update Organization Category	CourseWS.saveOrgCategory()	PATCH /learn/api/public/v1/catalog/categories/{categoryType}/{categoryId}
Delete Organization Category	CourseWS.deleteOrgCategory()	DELETE /learn/api/public/v1/catalog/categories/{categoryType}/{categoryId}
Create Organization Category Membership	CourseWS.saveOrgCategoryMembership()	PUT /learn/api/public/v1/catalog/categories/{categoryType}/{categoryId}/courses/{
Read Organization Category Membership	CourseWS.getOrgCategoryMembership()	GET /learn/api/public/v1/catalog/categories/{categoryType}/{categoryId}/courses/{ /learn/api/public/v1/courses/{courseId}/categories
Read All Organization Category Memberships	CourseWS.getOrgCategoryMembership()	GET /learn/api/public/v1/catalog/categories/{categoryType}/{categoryId}/courses
Update Organization Category Membership	CourseWS.saveOrgCategoryMembership()	PUT /learn/api/public/v1/catalog/categories/{categoryType}/{categoryId}/courses/{
Delete Organization Category Membership	CourseWS.deleteOrgCategoryMembership()	DELETE /learn/api/public/v1/catalog/categories/{categoryType}/{categoryId}/courses/{
Create Cartridge	CourseWS.saveCartridge()	N/A
Read Cartridge	CourseWS.getCartridge()	N/A
Update Cartridge	CourseWS.saveCartridge()	N/A
Delete Cartridge	CourseWS.deleteCartridge()	N/A
Create StaffInfo	CourseWS.saveStaffInfo()	POST /learn/api/public/v1/users PUT /learn/api/public/v1/courses/{course id}/users/{user id}
Read StaffInfo	CourseWS.getStaffInfo()	GET /learn/api/public/v1/users/{user id}
Update StaffInfo	CourseWS.saveStaffInfo()	PATCH /learn/api/public/v1/users/{user id}
Delete StaffInfo	CourseWS.deleteStaffInfo()	DELETE /learn/api/public/v1/users/{user id}
Set Course Banner	CourseWS.setCourseBannerImage()	N/A
Get Group Tools	CourseWS.getAvailableGroupTools()	2020 Roadmap
Read Classification	CourseWS.getClassifications()	N/A

Course Memberships

Use Case	SOAP WS Call	REST Endpoint
Create Course Membership	CourseMembershipWS.saveCourseMembership()	PUT /learn/api/public/v1/courses/{courseId}/users/{user id}
Read Course Membership	CourseMembershipWS.getCourseMembership()	GET /learn/api/public/v1/courses/{courseId}/users/{user id}
Read All Course Memberships	CourseMembershipWS.getCourseMembership()	GET /learn/api/public/v1/courses/{courseId}/users
Update Course Memberships	CourseMembershipWS.saveCourseMembership()	PATCH /learn/api/public/v1/courses/{courseId}/users/{userId}
Delete Course Memberships	CourseMembershipWS.deleteCourseMembership()	DELETE /learn/api/public/v1/courses/{courseId}/users/{userId}
Create Organization Membership	CourseMembershipWS.saveCourseMembership()	PUT /learn/api/public/v1/courses/{courseId}/users/{user id}
Read Organization Membership	CourseMembershipWS.getCourseMembership()	GET /learn/api/public/v1/courses/{courseId}/users/{user id}
Read All Organization Memberships	CourseMembershipWS.getCourseMembership()	GET /learn/api/public/v1/courses/{courseId}/users
Update Organization Memberships	CourseMembershipWS.saveCourseMembership()	PATCH /learn/api/public/v1/courses/{courseId}/users/{userId}
Delete Organization Memberships	CourseMembershipWS.deleteCourseMembership()	DELETE /learn/api/public/v1/courses/{courseId}/users/{userId}
Create Group Membership	CourseMembershipWS.saveGroupMembership()	PUT /learn/api/public/v1/courses/{courseId}/groups/{group
Read Group Membership	CourseMembershipWS.getGroupMembership()	GET /learn/api/public/v1/courses/{courseId}/groups/{group
Read All Group Memberships	CourseMembershipWS.getGroupMembership()	GET /learn/api/public/v1/courses/{courseId}/groups/{group
Delete Group Memberships	CourseMembershipWS.deleteGroupMembership()	DELETE /learn/api/public/v1/courses/{courseId}/groups/{group
Get Course Roles	CourseMembershipWS.getCourseRoles()	GET /learn/api/public/v1/courseRoles

Gradebook

Use Case	SOAP WS Call	REST Endpoint
Create an Attempt	GradebookWS.saveAttempt()	POST /learn/api/public/v2/course/{courseId}/gradebook/columns/{columnid}/attempts
Read an Attempt	GradebookWS.getAttempt()	GET /learn/api/public/v2/course/{courseId}/gradebook/columns/{columnid}/attempts/{id}
Read All Attempts	GradebookWS.getAttempt()	GET /learn/api/public/v2/course/{courseId}/gradebook/columns/{columnid}/attempts
Update an Attempt	GradebookWS.saveAttempt()	PATCH /learn/api/public/v2/course/{courseId}/gradebook/columns/{columnid}/attempts/{id}
Delete an Attempt	GradebookWS.deleteAttempt()	PATCH /learn/api/public/v2/course/{courseId}/gradebook/columns/{columnid}/attempts/{id} (set to 0)

Use Case	SOAP WS Call	REST Endpoint
Create a Column	GradebookWS.saveColumns()	POST /learn/api/public/v2/course/{courseId}/gradebook/columns
Read a Column	GradebookWS.getGradebookColumns()	GET /learn/api/public/v2/course/{courseId}/gradebook/columns/{column id}
Read All Columns	GradebookWS.getGradebookColumns()	GET /learn/api/public/v2/course/{courseId}/gradebook/columns
Update a Column	GradebookWS.saveColumns()	PATCH /learn/api/public/v2/course/{courseId}/gradebook/columns/{column id}
Delete a Column	GradebookWS.deleteColumns()	DELETE /learn/api/public/v2/course/{courseId}/gradebook/columns/{column id}
Create a Gradebook Type	GradebookWS.saveGradebookTypes()	POST /learn/api/public/v2/course/{courseId}/gradebook/columns
Read a Gradebook Type	GradebookWS.getGradebookTypes()	GET /learn/api/public/v2/course/{courseId}/gradebook/columns/{column id}
Read All Gradebook Types	GradebookWS.getGradebookTypes()	GET /learn/api/public/v2/course/{courseId}/gradebook/columns
Update a Gradebook Type	GradebookWS.saveGradebookTypes()	PATCH /learn/api/public/v2/course/{courseId}/gradebook/columns/{column id}
Delete a Gradebook Type	GradebookWS.deleteGradebookTypes()	DELETE /learn/api/public/v2/course/{courseId}/gradebook/columns/{column id}
Create a Grade	GradebookWS.saveGrades()	POST /learn/api/public/v2/course/{courseId}/gradebook/columns/{columnid}/attempts
Read a Grade	GradebookWS.getGrades()	GET /learn/api/public/v2/course/{courseId}/gradebook/columns/{columnid}/attempts/{id}
Read All Grades	GradebookWS.getGrades()	GET /learn/api/public/v2/course/{courseId}/gradebook/columns/{columnid}/attempts
Update a Grade	GradebookWS.saveGrades()	PATCH /learn/api/public/v2/course/{courseId}/gradebook/columns/{columnid}/attempts/{id}
Delete a Grade	GradebookWS.deleteGrades()	PATCH /learn/api/public/v2/course/{courseId}/gradebook/columns/{columnid}/attempts/{id} (set to 0)
Create a Grading Schema	GradebookWS.saveGradingSchemas()	POST /learn/api/public/v1/courses/{course id]/gradebook/schemas
Read a Grading Schema	GradebookWS.getGradingSchemas()	GET /learn/api/public/v1/courses/{course id]/gradebook/schemas/{schema id}
Read All Grading Schemas	GradebookWS.getGradingSchemas()	GET /learn/api/public/v1/courses/{course id]/gradebook/schemas
Update a Grading Schema	GradebookWS.saveGradingSchemas()	PATCH /learn/api/public/v1/courses/{course id]/gradebook/schemas/{schema id}

Use Case	SOAP WS Call	REST Endpoint
Delete a Grading Schema	GradebookWS.deleteGradeSchemas()	DELETE /learn/api/public/v1/courses/{course id]/gradebook/schemas/{schema id}

Users

Use Case	SOAP WS Call	REST Endpoint
Create a User	UserWS.saveUser()	POST /learn/api/public/v1/users
Read a User	UserWS.getUser()	GET /learn/api/public/v1/users/{userId}
Read All Users	UserWS.getUser()	GET /learn/api/public/v1/users
Update a User	UserWS.saveUser()	PATCH /learn/api/public/v1/users/{userId}
Delete a User	UserWS.deleteUser()	DELETE /learn/api/public/v1/users/{userId}
Update a User's BatchUid	UserWS.changeUserBatchUid()	PATCH /learn/api/public/v1/users/{userId}
Update a User's DataSource ID	UserWS.changeUserDataSourceId()	PATCH /learn/api/public/v1/users/{userId}
Delete User by Role	UserWS.deleteUserByInstitutionRole()	N/A
Create a User's Address Book Entry	UserWS.saveAddressbookEntry()	POST /learn/api/public/v1/users
Read a User's Address Book Entry	UserWS.getAddressbookEntry()	GET /learn/api/public/v1/users/{userId}
Read All a User's Address Book Entries	UserWS.getAddressbookEntry()	GET /learn/api/public/v1/users
Update a User's Address Book Entry	UserWS.saveAddressBbookEntry()	PATCH /learn/api/public/v1/users/{userId}
Delete a User's Address Book Entry	UserWS.deleteAddressBookEntry()	DELETE /learn/api/public/v1/users/{userId}
Read All Institution Roles	UserWS.getInstitutionRoles()	GET /learn/api/public/v1/institutionRoles
Read All System Roles	UserWS.getSystemRoles()	GET /learn/api/public/v1/systemRoles
Read All Institution Roles Assigned to a User	UserWS.getUserInstitutionRoles()	GET /learn/api/public/v1/users/{userId}
Create Observer Association	UserWS.saveObserverAssociation()	PUT /learn/api/public/v1/users/{userId}/observers/{observerId}
Read Observer Association	UserWS.getObservee()	GET /learn/api/public/v1/users/{userId}/observeesGET /learn/api/public/v1/users/{userId}/observers
Read All Observer Association	UserWS.getObservee()	GET /learn/api/public/v1/users/{userId}/observeesGET /learn/api/public/v1/users/{userId}/observers
Update Observer Association	UserWS.saveObserverAssociation()	PUT /learn/api/public/v1/users/{userId}/observers/{observerId}
Delete Observer Association	UserWS.deleteOverserverAssociation()	DELETE /learn/api/public/v1/users/{userId}/observers/{observerId}

Util

Use Case	SOAP WS Call	REST Endpoint
Read All Datasources	UtilWS.getDataSources()	GET /learn/api/public/v1/dataSources
Get Required Entitlements By Method	UtilWS.getRequiredEntitlements()	N/A
Check a User's Entitlements	UtilWS.checkEntitlement()	N/A
Create a Setting	UtilWS.saveSetting()	N/A

Use Case	SOAP WS Call	REST Endpoint
Load a Setting	UtilWS.loadSetting()	N/A
Update a Setting	UtilWS.saveSetting()	N/A
Delete a Setting	UtilWS.deleteSetting()	N/A