
Calyx RIM 7.1 API Documentation

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Calyx RIM API Documentation

You can import/extract data, perform create/update queries, or delete entities to enhance the functionality of the Calyx RIM user interface.

The [Calyx RIM API](#) (application programming interface) enables you to integrate external systems with Calyx RIM.

The Calyx RIM API can be used for the following:

- Assembly Structure Functions
- Registrations Entities
- Tasks and References Entities
- Product Detail Set Detail Entities
- Product Family Agnostic Entities
- Core InSight Entities
- Assembly Structure
- Lifecycle assembly creation
- Lifecycle operations and metadata
- Product related Entities
- Entering unique Events within Calyx RIM

Authenticate Users for Calyx RIM API

Authentication is required to use the API.

To pass authentication for the API, perform the following procedure.

1. Submit an HTTP GET request to get a token. Send an HTTP request (GET-request) to `http://hostname:port/insight/api/v2/token`. The body of the JSON response will include { "token": "F1AE44E28CB43CDECEB2D0A104EB5DF4B" } with the current session ID. The response header contains the following values:
 - X-CSRF-HEADER → X-CSRF-TOKEN
 - X-CSRF-PARAM → `_csrf`
 - X-CSRF-TOKEN → `40d67d97-fb28-4a78-a111-5bae0ee706bb`
2. Use that token and login information to get authenticated. Send a login POST-request to pass authentication. You should use the same session (set JSESSIONID):
 - URI: `http://hostname:port/insight/api/v2/login`
 - Request header values:
 - Content-Type: "application/json"
 - X-CSRF-TOKEN: `40d67d97-fb28-4a78-a111-5bae0ee706bb` - This value is retrieved as a result of the previous request. (`http://hostname:port/insight/api/v2/token`)
 - Request body (JSON): { "username": "external_system_abc", "password": "password_abc" }

3. After successful login, the application creates a new session and a new token to use in subsequent API calls. The response header will contain the following values:
 - X-CSRF-HEADER → X-CSRF-TOKEN
 - X-CSRF-PARAM → `_csrf`
 - X-CSRF-TOKEN → `c3cc7d40-348e-410c-bcb6-bc0accdaff5`
4. Make an API call with your new token. All subsequent REST API POST-requests (read/create/create-or-update/delete for a specific entity) should be sent through `/api/v2` URI (e.g. `http://hostname:port/insight/api/v2/event/46098/delete`) with the following attributes:
 - Request header values:
 - Content-Type: "application/json"
 - X-CSRF-TOKEN: `c3cc7d40-348e-410c-bcb6-bc0accdaff5`
 - Request body: JSON object for the specific entity.
5. Instead of X-CSRF-TOKEN header, you can use the `"_csrf"` param.

Calyx RIM 7.0 API Changes

This table describes the API changes related to Product Family decoupling between Calyx RIM 7.0 and InSight 6.2.

Calyx RIM 7.0 includes the following API changes:

- Application has moved to the top entity in its own hierarchy.
- Application has a one-to-many relationship with the Product Family via the `selectedProducts` field.
- `FamilyId` field is removed.
- The uniqueness criteria for the Application has changed (Uniqueness for the API is used in `"/create-or-update"` controller operations).

Entity Name	API/Controller	API 6.2	API 7.0 Updates	Description
Application	ApplicationRestController CTAApplicationRestController INDApplicationRestController /application /application/cta /application/ind	<ul style="list-style-type: none"> — Family Id - required — <code>selectedProducts</code> field - is not required — Application uniqueness rule - (appCode and familyId) or uuid" 	<ul style="list-style-type: none"> — Family Id is removed — <code>selectedProducts</code> field - required — Application uniqueness rule changed - (appCode and appName) or uuid" 	<p>If application is not found it executes an uniqueness expression. Unique expression is used in <code>"/create-or-update"</code> api.</p>

Entity Name	API/Controller	API 6.2	API 7.0 Updates	Description
ApplicationCountry	ApplicationCountryRestController / application-country	<ul style="list-style-type: none"> – Family Id is required – Old behavior - Example: <code>{ "queryFor": { "applicationId": APPLICATION_NAME }, ... }</code> 	<ul style="list-style-type: none"> – Family Id is removed – New behavior - Example: <code>{ "queryFor": { "applicationId": APPLICATION_CODE + " " + APPLICATION_NAME }, ... }</code> 	The behavior of how applicationId is retrieved for use in queryFor has changed.
Event	EventRestController / event			
EventCountry	EventCountryRestController / event-country			
EventCountrySchedule	EventCountryScheduleRestController / event-country-schedule			

Entity Name	API/Controller	API 6.2	API 7.0 Updates	Description
AppEventProduct	AppEventProductRestController /event/product	Old behavior - Example: { "queryFor": { "applicationId": APPLICATION_NAME }, ... }	New behavior - Example: { "queryFor": { "applicationId": APPLICATION_CODE + " " + APPLICATION_NAME }, ... }	The behavior of how applicationId is retrieved for use in queryFor has changed.
FullProductPresentation	LicenseFppController /license/full-product-presentation	<ul style="list-style-type: none"> Family Id is required Old behavior - Example: { "queryFor": { "applicationId": APPLICATION_NAME }, ... } 	<ul style="list-style-type: none"> Family Id is removed New behavior - Example: { "queryFor": { "applicationId": APPLICATION_CODE + " " + APPLICATION_NAME }, ... } 	
License	<p>This entity is inherited by ProductLicense</p> <p>Doesn't have direct controller</p>	<ul style="list-style-type: none"> Family Id is required registeredAtc is required Old behavior - Example: { "queryFor": { "applicationId": APPLICATION_NAME }, ... } Old uniqueness rule - "Code and AuthorityId and FamilyID and ApplicationId" 	<ul style="list-style-type: none"> Family Id is removed registeredAtc is not required New behavior - Example: { "queryFor": { "applicationId": APPLICATION_CODE + " " + APPLICATION_NAME }, ... } New uniqueness rule - "Code and AuthorityId and ApplicationId" 	
MaAttachment	MaAttachmentRestController /full-product-presentation/attachment	<ul style="list-style-type: none"> Family Id - required Old behavior - Example: { "queryFor": { "applicationId": APPLICATION_NAME }, ... } Old uniqueness rule - "name and fppId and familyId and applicationId and 	<ul style="list-style-type: none"> Family Id is removed New behavior - Example: { "queryFor": { "applicationId": APPLICATION_CODE + " " + APPLICATION_NAME }, ... } New uniqueness rule - 	

Entity Name	API/Controller	API 6.2	API 7.0 Updates	Description
ProductLicense	"/license/product-registration"	Old behavior - Example: { "queryFor": { "applicationId": APPLICATION_NAME }, ... }	Please check License as it inherits all changes.	N/A
LicensePackageSet	/license/packageset	Old behavior - Example: { "queryFor": { "applicationId": APPLICATION_NAME }, ... }	New behavior - Example: { "queryFor": { "applicationId": APPLICATION_CODE + " " + APPLICATION_NAME }, ... }	The behavior of how applicationId is retrieved for use in queryFor has changed.
LicensePackageSetCountry	/license/packageset/country	<ul style="list-style-type: none"> - Family Id - required - registeredAtc is required - Old behavior - Example: { "queryFor": { "applicationId": APPLICATION_NAME }, ... } 	<ul style="list-style-type: none"> - Family Id is removed - registeredAtc is not required - New behavior - Example: { "queryFor": { "applicationId": APPLICATION_CODE + " " + APPLICATION_NAME }, ... } 	
Subset (PDS)	PDSRestController /pds	Old behavior - Example: { "queryFor": { "applicationId": APPLICATION_NAME }, ... }	New behavior - Example: { "queryFor": { "applicationId": APPLICATION_CODE + " " + APPLICATION_NAME }, ... }	
Schedule (seq-status schedule)	Schedule /sequence-schedule	Family Id is required	Family Id is removed	N/A

Entity Name	API/Controller	API 6.2	API 7.0 Updates	Description
PDS Details	/detail/* CountryDetailRestController ActiveIngredientDetailRestController CharacteristicsDetailRestController CTADetailRestController DoseScheduleDetailRestController FluStrainDetailRestController FunctionDetailRestController IndicationDetailRestController LabeledIndicationDetailRestController LabelingDetailRestController ManufacturerDetailRestController ManufacturingProcessDetailRestController MaterialDetailRestController MedicalDeviceDetailRestController PackageSetDetailRestController PackagingDetailRestController RouteOfAdministrationDetailRestController ShelfLifeDetailRestController SpeciesDetailRestController StepDetailRestController SubstanceDetailRestController WithdrawalTimeDetailRestController	Old behavior - Example: { "queryFor": { "applicationId": APPLICATION_NAME }, ... }	New behavior - Example: { "queryFor": { "applicationId": APPLICATION_CODE + " " + APPLICATION_NAME }, ... }	The behavior of how applicationId is retrieved for use in queryFor has changed.

Calyx RIM 7.1 API Changes

This table describes the API changes for Calyx RIM 7.1.

Calyx RIM 7.1 includes the following API support.

Entity Name	API/Controller	Main endpoint	Description
OrphanDesignation	OrphanDesignationRestController	/orphan-designation	
EurdType	EurdTypeRestController	/data-admin/eurd-type	
DomainType	DomainTypeRestController	/data-admin/domain-type	
	ContentOfChangeTypeRestController	/content-of-change-type	
	MedicalProductActionTypeRestController	/medical-product-action-submission-status	
AttachedDocument	LicenseAttachedDocumentRestController	/license/attached-document	Hierarchy: Application->License->MedicinalProductAction->AttachedDocument
ManufacturedItem	ManufacturedItemRestController	/product-family/product/component/manufactured-item	
ManufacturedItemSubstance	ManufacturedItemSubstanceRestController	/product-family/product/component/manufactured-item/substance	
ManufacturedItemReferenceSubstance	ManufacturedItemReferenceSubstanceRestController	/product-family/product/component/manufactured-item/substance/reference	
LicensePackageSetName	LicensePackageSetNameRestController	/license/packageset/name	Hierarchy: Application->License->LicensePackageSetName
MedicinalProduct	LicenseMedicinalProductController	/license/medicinal-product	Hierarchy: Application->License->MedicinalProductAction

Entity Name	API/Controller	Main endpoint	Description
MedicinalProductAction	MedicinalProductActionRestController	/license/medicinal-product-action	
Mpname	MedicinalProductMpnameRestController	/license/medicinal-product/mpname	
MedicinalProductCrossReference	MedicinalProductCrossReferenceRestController	/license/medicinal-product/medicinalProductCrossReference	
DataCarrierType	DataCarrierTypeRestController	/data-admin/data-carrier-type	
DataClassificationType	DataClassificationTypeRestController	/data-admin/data-classification-type	
MarketingStatusReason	MarketingStatusReasonRestController	/data-admin/marketing-status-reason	
	RmsApplicationLegalBasisRestController	/data-admin/rms-app-legal-basis	
	RmsApplicationSubmissionTypeRestController	/data-admin/rms-app-submission-type	
	RmsAtcHumanRestController	/data-admin/rms-atc-human	
	RmsCombinationPackageRestController	/data-admin/rms-combination-package	
	RmsCombinedPharmaceuticalDoseFormRestController	/data-admin/rms-combined-pharmaceutical-dose-form	
	RmsCombinedTermRestController	/data-admin/rms-combined-term	
	RmsContactPartyRoleController	/data-admin/rms-contact-party-role	
	RmsCountryRestController	/data-admin/rms-country	
	RmsDomainRestController	/data-admin/rms-domain	

Entity Name	API/Controller	Main endpoint	Description
	RmsEURegulatoryAuthorisationProcedureRestController	/data-admin/rms-eu-regulatory-authority-procedure	
	RmsIngredientRoleRestController	/data-admin/rms-ingredient-role	
	RmsLanguageRestController	/data-admin/rms-language	
	RmsLegalStatusSupplyRestController	/data-admin/rms-legal-status-supply	
	RmsManufacturingActivityRestController	/data-admin/rms-manufacturing-activity	
	RmsMarketingStatusRestController	/data-admin/rms-marketing-status	
	RmsMasterFileTypeRestController	/data-admin/rms-master-file-type	
	RmsMedicalProductNamePartTypeController	/data-admin/rms-medical-product-name-part-type	
	RmsPackagingController	/data-admin/rms-packaging	
	RmsPharmaDoseFormRestController	/data-admin/rms-pharma-dose-form	
	RmsProductCategoryController	/data-admin/rms-product-category	
	RmsProductCrossReferenceTypeRestController	/data-admin/rms-product-cross-reference	
	RmsQuantityOperatorRestController	/data-admin/rms-quantity-operator	
	RmsRegulatoryEntitlementTypeController	/data-admin/rms-regulatory-entitlement-type	
	RmsRegulatoryEntitlementStatusConstoller	/data-admin/rms-regulatory-entitlement-status	

Entity Name	API/Controller	Main endpoint	Description
	RmsRoutesAndMethodsOfAdministrationRestController	/data-admin/rms-routes-methods-administration	
	RmsShelfLifeController	/data-admin/rms-shelf-life-type	
	RmsSpecialPrecautionForStorageRestController	/data-admin/rms-special-precaution-storage	
	RmsUnitsOfMeasurementRestController	/data-admin/rms-units-of-measurement	
	RmsUnitsOfPresentationRestController	/data-admin/rms-units-of-presentation	
	RmsXevmpdMedicalDevicesRestController	/data-admin/rms-xevmpd-medical-devices	
	RmsXevmpdMedicinalProductTypeRestController	/data-admin/rms-xevmpd-medicinal-product-type	
	RmsProductInformationDocumentController	/data-admin/rms-product-information-document-type	
	RmsMaterialController	/data-admin/rms-material/	
	RmsMedicalDictionaryForRegActivitiesController	/data-admin/rms-medical-dictionary-for-regulatory-activities/	
	RmsDataClassificationController	/data-admin/rms-data-classification	Data Classification Spor entity
SourceAuthorisation	SourceAuthorisationRestController	/data-admin/source-authorisation	parent is source/ manufacturer

Entity Name	API/Controller	Main endpoint	Description
OmsOrgLocation	OmsOrgLocationRestController	data-admin/oms-orglocation	This entity is a symbiosis of two EMA entities: Organisation and Location, which contains the fields of both entities: <ul style="list-style-type: none"> number of records = number of Location per Organisation entityId is ISM.TERMINOLOGY_SYSTEM_LIST_MEMBER.ID
DeviceCombinationType	DeviceCombinationTypeRestController	/data-admin/device-combination-type	This entity corresponds to the field "Device - Type of Combination" of the "Medical Device" Detail and mapped to SPOR master data set.
PhpId	PhpIdRestController	/product/xpharmaproduct/php-id	
	ContentOfChangeTypeRestController	/content-of-change-type	
	MedicalProductActionTypeRestController	/medical-product-action-submission-status	
PharmaProductSubstance	XPharmaProductSubstanceRestController	/product/xpharmaproduct/xpharmaproduct-substance	
PharmaProductRefSubstance	XPharmaProductRefSubstanceRestController	/product/xpharmaproduct/xpharmaproduct-substance/reference	
PharmaProductActiveIngredient	XPharmaProductActiveIngredientRestController	/product/xpharmaproduct/xpharmaproduct-active-ingredient	
PharmaProductRefActiveIngredient	XPharmaProductRefActiveIngredientRestController	/product/xpharmaproduct/xpharmaproduct-active-ingredient/reference	

Entity Name	API/Controller	Main endpoint	Description
PackSizeDetail	PackSizeDetailRestController	/pack-size	New detail under PDS -> Package Set
PackageComponent	PackageComponentRestController	/data-admin/package-component	New Data Administration entity
ComponentType	ComponentTypeRestController	/data-admin/component-type	New Data Administration entity
RegulatoryEntitlementStatus	RegulatoryEntitlementStatusRestController	/data-admin/regulatory-entitlement-status	New Data Administration entity
ProvenanceReason	ProvenanceReasonRestController	/data-admin/provenance-reason	New Data Administration entity
ProductInformationDocumentType	ProductInformationDocumentTypeRestController	/data-admin/product-information-document-type	New Data Administration entity
ProductCrossReferenceType	ProductCrossReferenceTypeRestController	/data-admin/product-cross-reference-type	New Data Administration entity
ProductCategory	ProductCategoryRestController	/data-admin/product-category	New Data Administration entity
PediatricIndicator	PediatricIndicatorRestController	/data-admin/pediatric-indicator	New Data Administration entity
MedicinalProductNamePartType	MedicinalProductNamePartTypeRestController	/data-admin/medicinal-product-name-part-type	New Data Administration entity
MedicalDeviceUDI	MedicalDeviceUDIRestController	/data-admin/medical-device-udi	New Data Administration entity
MasterFileType	MasterFileTypeRestController	/data-admin/master-file-type	New Data Administration entity
MarketingStatus	MarketingStatusRestController	/data-admin/marketing-status	New Data Administration entity
DeviceTypeofCombination	DeviceTypeofCombinationRestController	/data-admin/device-type-of-combination	New Data Administration entity
AttachedDocumentContentType	AttachedDocumentContentTypeRestController	/data-admin/attached-document-content-type	New Data Administration entity
ApplicationSubmissionType	ApplicationSubmissionTypeRestController	/application-submission-type	New Data Administration entity

Calyx RIM 7.1.3 API Changes

This table describes the API changes for Calyx RIM 7.1.3.

Calyx RIM 7.1.3 includes the following API support.

Entity Name	API/Controller	endpoint	API Calyx RIM 7.1.3 updates		Description
			Attribute	Column	
License	PackageSetTypeRegistrationRestController	license/packageset-registration	Added "/all", "/query" endpoints		
ProductLicense	ProductTypeRegistrationRestController	license/product-registration	Added "/all", "/query" endpoints		
FullProductPresentation	LicenseFppController	license/full-product-presentation	Added "/all", "/query" endpoints		
LicensePackageSet	LicensePackageSetController	license/packageset	Added "/all", "/query" endpoints		
LicensePackageSetCountry	LicensePackageSetCountryRestController	license/packageset/country	Added "/all", "/query" endpoints		

Entity Name	API/Controller	endpoint	API Calyx RIM 7.1.3 updates		Description
			Attribute	Column	
AppCountry	ApplicationCountryRestController	/application-country	The following fields are added: <ul style="list-style-type: none"> – localStartTrial – localFirstVisit – localEndOfRecruitment – localEndOfTrial – localTemporarilyHalted – localRestartTemporarilyHalted – localEarlyTerminationReasonId – localEarlyTerminationReasonId 	<ul style="list-style-type: none"> – LOCAL_START_OF_TRIAL_DATE – LOCAL_FIRST_VISIT_OF_FIRST_SUBJECT_DATE – LOCAL_END_OF_RECRUITMENT_DATE – LOCAL_END_OF_TRIAL_DATE – LOCAL_TEMP_HALT_DATE – LOCAL_RESTART_OF_TEMP_HALTED_TRIAL – LOCAL_EARLY_TERM_DATE – TERM_WITH_REASON_TYPE_ID 	<ul style="list-style-type: none"> – DB table: .ISM.APP_COUNTRY – DB view: ISM.DV_APP_COUNTRY

Comparison Table API changes between Calyx RIM 7.1 and Calyx RIM 7.0

This table describes the API changes between Calyx RIM 7.1 and Calyx RIM 7.0.

Entity Name	API/Controller	endpoint	API 7.1 Updates		Description
			Attribute	Column	
License	PackageSetTypeRegistrationRestController	"/license/packageset-registration"	The following field is added: — atcFlag	— column ATC_FLAG — size 1 — values "T", "F", "X"	<pre> <attr name="T">title .license.atcFlag.applied</attr> <attr name="F">title .license.atcFlag.notApplied</attr> <attr name="X">title .license.atcFlag.notApplicable</attr> </pre>

Entity Name	API/Controller	endpoint	API 7.1 Updates		Description
			Attribute	Column	
ProductLicense	ProductTypeRegistrationRestController	"/license/product-registration"	The following field is added: — atcFlag	— column ATC_FLAG — size 1 — values "T", "F", "X"	<pre> <attr name="T">title .license.atcFlag.applied</attr> <attr name="F">title .license.atcFlag.notApplied</attr> <attr name="X">title .license.atcFlag.notApplicable</attr> </pre>

Entity Name	API/Controller	endpoint	API 7.1 Updates		Description
			Attribute	Column	
LicensePackageSet	LicensePackageSetController	"/license/packageset"	<p>The EU Presentation Number is renamed to Package Set License Code.</p>	<p>euPresentationNumber/ EU_PRESENTATION_NUMBER size 100 changed to packageSetLicenseCode/ LICENSE_CODE size 100</p> <p>licenseCode/ PACKSET_LICENSE_CODE mapping changed to licenseCode/ REGISTRATION_CODE</p>	
			<p>The following fields are added:</p> <ul style="list-style-type: none"> – legalBasisId – authorisation StatusId – authorisation StatusDate 	<ul style="list-style-type: none"> – LEGAL_BASIS_TYPE_ID This field is foreign key to: Class name: LegalBasisType DB table: ism.legal_basis_type. – AUTHORISATION_STATUS_TYPE_ID This field is foreign key to: Class name: RegistrationStatus DB table: ism.lic_status_type. – AUTHORISATION_STATUS_DATE 	

Entity Name	API/Controller	endpoint	API 7.1 Updates		Description
			Attribute	Column	
LicensePackageSetCountry	LicensePackageSetCountryRestController	"/license/packageset/country"	<p>The following fields are added:</p> <ul style="list-style-type: none"> dataCarrierType dataCarrierIdentifier dataCarrierLanguageId riskOfSupplyShortageFlag riskOfSupplyShortageComment marketingStatusReasonTypeId 	<ul style="list-style-type: none"> DATA_CARRIER_TYPE_ID This field is foreign key to: This field is foreign key to: Class name: DataCarrierType; DB table: ism.data_carrier_type. DATA_CARRIER_IDENTIFIER size 100 DATA_CARRIER_LANGUAGE_TYPE_ID This field is foreign key to: Class name: Language; DB table: ism.language_type. RISK_OF_SUPPLY_SHORTAGE_FLAG Y/N RISK_OF_SUPPLY_SHORTAGE_COMMENT size 4000 MARKETING_STATUS_REASON_TYPE_ID This field is foreign key to: Class name: MarketingStatusReason; DB table: ISM.MARKETING_STATUS_REASON_TYPE 	<ul style="list-style-type: none"> Class name: LicensePackageSetCountry DB table: ISM.LIC_PRODDET_COUNTRY DB view: ISM.DV_LIC_PRODDET_COUNTRY

Entity Name	API/Controller	endpoint	API 7.1 Updates		Description
			Attribute	Column	
ManufacturingFunctionGlobalDetail	ManufacturingFunctionGlobalDetailRestController	"/data-admin/manufacturing-function-global-detail"	The following field is added: <ul style="list-style-type: none"> — confidentialityIndicator 	DATA_CLASSIFICATION_TYPE_ID This field is foreign key to: Class name: DataClassificationType; DB table: ism.data_classification_type.	
ActiveIngredientDetail	ActiveIngredientDetailRestController	"/detail/ai"	Removed fields: <ul style="list-style-type: none"> — measureTypeId — lowNumeratorValue — lowNumeratorPrefixId — lowNumeratorUnitId — lowDenominatorValue — lowDenominatorPrefixId — lowDenominatorUnitId — highNumeratorValue — highNumeratorPrefixId — highNumeratorUnitId — highDenominatorValue — highDenominatorPrefixId — highDenominatorUnitId — measurementPoint 		Those fields are taken from Active Ingredient under component now.

Entity Name	API/Controller	endpoint	API 7.1 Updates		Description
			Attribute	Column	
MedicalDeviceDetail	MedicalDeviceDetailRestController	"/detail/medical-device"	<p>The following fields are added:</p> <ul style="list-style-type: none"> — deviceCombinationTypeId — deviceTypeId — deviceIdentifier — deviceTradeName 	<ul style="list-style-type: none"> — DEVICE_COMBINATION_TYPE_ID This field is foreign key to: Class name: DeviceCombinationType DB table: MGR.DEVICE_COMBINATION_TYPE. — DEVICE_TYPE_ID This field is foreign key to: Class name: DeviceType; DB table: MGR.DEVICE_TYPE — DEVICE_IDENTIFIER String field. — DEVICE_TRADE_NAME String field. 	<ul style="list-style-type: none"> — Class name: MedicalDeviceDetail — DB table: MGR.PDS_MED_DEVICE_CHANGE — DB view: ISM.DV_PDS_MED_DEVICE

Entity Name	API/Controller	endpoint	API 7.1 Updates		Description
			Attribute	Column	
SubstanceDetail	SubstanceDetailRestController	"/detail/substance"	<p>The following fields are added:</p> <ul style="list-style-type: none"> presentationMeasureTypeId presentationLowNumeratorValue presentationLowNumeratorUnitOfMeasurement presentationLowNumeratorUnitOfPresentation presentationHighNumeratorValue presentationHighNumeratorValue presentationHighNumeratorUnitOfPresentation concentrationLowNumeratorValue concentrationLowNumeratorUnitOfMeasurement concentrationLowDenominatorValue concentrationLowDenominatorUnitOfMeasurement concentrationHighNumeratorValue concentrationHighDenominatorValue 	<ul style="list-style-type: none"> MEASURE_TYP_E_ID column of MGR.CONCENTRATION_VALUE table PRESENTATION_LOW_AMT_NUMER_VALUE column of MGR.CONCENTRATION_VALUE table PRESENTATION_LOW_AMT_NUMER_UNIT_TYPE_ID column of MGR.CONCENTRATION_VALUE table PRESENTATION_HI_AMT_NUMER_VALUE column of MGR.CONCENTRATION_VALUE table PRESENTATION_HI_AMT_DENOMER_VALUE column of MGR.CONCENTRATION_VALUE table 	<ul style="list-style-type: none"> Class name: SubstanceDetail DB table: MGR.PDS_SUBSTANCE_CHANGE DB view: ISM.DV_PDS_SUBSTANCE

Calyx RIM 7.0 API End Points Entities Removed

This table describes the API End Points entities deleted from the Calyx RIM 7.0.

Entity Name	Controller Name	Controller URL
Component Source Type	Component Source Type Rest Controller	/data-admin/component-source-type/
Contact Address Type	Contact Address Type Rest Controller	/data-admin/contact-address-type
Contact Role	Contact Role Rest Controller	/data-admin/contact-role
Contact Type	Contact Type Rest Controller	/data-admin/contact-type/
Discipline Res	Discipline Rest Controller	/data-admin/discipline/
Dossier Metadata Type	Dossier Metadata Type Rest Controller	/data-admin/dossier-metadata-type
PSI Attachment	PSI Attachment Rest Controller	/data-admin/p-s-i-attachment/
Recipient For Type	Recipient For Type Rest Controller	/data-admin/recipient-for-type/
RI Product Type	RI Product Type Rest Controller	/data-admin/ri-product-type/
Substance Attachment	Substance Attachment Rest Controller	/data-admin/substance-attachment

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