

Sentinel Cloud EMS Web Services Cheatsheet (v3.6)

Sentinel Cloud EMS uses RESTlike Web services to facilitate integration of EMS data and transactions with external IT systems. Each Web service call is a standard HTTPS request and response is in XML format.

<https://localhost:8443/ems/3.6/verifyLogin.xml>

Address of EMS Server Port EMS Context Web Services Version Name of Web Service

Call Syntax Example

Version Information

GET getWebServiceVersion.xml Obtain Web Service Version

Authorization

POST	verifyLogin.xml	Vendor Login
POST	loginByEID.xml	Customer Login By EID
POST	loginByContact.xml	Customer Contact Login by User ID and Password
POST	closeSession.xml	Close Session
POST	setPassword.xml	Set Password
POST	changePassword.xml	Change Password

Customer and Contacts

POST	createCustomer.xml	Create Customer
POST	createContact.xml	Create Contact
GET	searchCustomers.xml	Search Customers
GET	getCustomerById.xml	Retrieve Customer Details by ID
GET	getCustomerByCustomerName.xml	Retrieve Customer Details by Name
GET	getCustomerByCustomerRefId.xml	Retrieve Customer by Customer Ref ID
GET	isDuplicateCustomerName.xml	Check Duplicate Customer Names

Catalog

POST	addNamespace.xml	Add Namespace
GET	namespaceList.xml	Retrieve Namespace By Name and Ref IDs
POST	addFeature.xml	Create Feature
POST	updateFeature.xml	Edit Feature Details
POST	updateFeatureLMAssociation.xml	Associate License Model with a Feature
GET	viewFeatureById.xml	Retrieving Feature Details for a Given Feature ID
GET	featureList.xml	Retrieve Feature By Criteria
POST	deleteFeature.xml	Delete Feature
POST	createProduct.xml	Create Product
POST	associateFeaturesWithProduct.xml	Associate Features with Product
POST	disAssociateFeaturesFromProduct.xml	Remove Features from Product
POST	changeProductLifeCycleStage.xml	Change Lifecycle Stage of a Product
GET	getProductById.xml	Retrieve Product Details by productId
GET	searchProducts.xml	Search Products
GET	getProductByNameAndVer.xml	Retrieve Product Details By Name and Version
GET	licenseModelList.xml	Retrieve List of License Models
GET	getLicenseModelById.xml	Retrieve a License Model By ID
POST	copyLicenseModel.xml	Create Copy of License Model
GET	serviceAgreementList.xml	Retrieve List of Service Agreements

Customer and Contacts

GET	getCustomerRefIdByCustomerName.xml	Retrieve Customer Reference ID by Customer Name
POST	deleteCustomerById.xml	Delete Customer
GET	searchContacts.xml	Search Contacts
GET	timeZoneList.xml	Retrieve Time Zone List

Entitlements

POST	createEntitlement.xml	Create Entitlement Using Parameters	POST	updateServiceAgreementAttributes.xml	Update Service Agreement Attributes for a Line Item
GET	getEntitlementDetailsById.xml	Retrieve Details of an Entitlement	POST	addEnterpriseUserIds.xml	Add Enterprise User IDs
POST	addEntitlementItem.xml	Add Product(s) to an Entitlement	POST	removeEnterpriseUserIds.xml	Remove Enterprise User IDs
POST	updateEntitlement.xml	Update Entitlement Details	GET	retrieveEnterpriseIdentities.xml	Retrieve Enterprise User IDs
POST	commitEntitlement.xml	Commit Entitlement	GET	retrieveLicenseState.xml	Retrieve License State
GET	searchEntitlements.xml	Search Entitlements	GET	retrieveContractStatus.xml	Retrieve Contract Status
GET	getEntitlementCertificateHTML.xml	Retrieve Entitlement Certificate as HTML	POST	changeContractStatus.xml	Change Contract Status
POST	updateEntitlementAttributeForAllFeatures.xml	Update Entitlement Attribute for All Features	GET	retrieveContractLineItemStatus.xml	Retrieve Contract Line Item Status
GET	getEntitlementItemById.xml	Retrieve Entitlement Line Item Details	POST	changeContractLineItemStatus.xml	Change Contract Line Item Status
POST	updateEntitlementItem.xml	Update Entitlement Line Items	POST	initiateReconfigure.xml	Initiate Entitlement Reconfiguration
POST	removeEntitlementItem.xml	Remove Entitlement Line Item	GET	retrieveFeatureLineItemAssociation.xml	Retrieve Entitlement Line Item Feature Association
GET	getEntitlementItemByCriteria.xml	Retrieve Line Item Details By Criteria	POST	updateFeatureLineItemAssociation	Update Line Item Feature Association
GET	getEntFeatureLMAttributes.xml	Retrieve License Model Attributes for a Feature	GET	retrieveLineItemFeatureLMAssociation	Retrieve Entitlement Line Item Feature License Model
POST	setEntFeatureLMAttributes.xml	Update License Model Attributes for a Line			

	Item
GET getServiceAgreementAttributes.xml	Retrieve Service Agreement Attributes for a Line Item

	Association
POST updateLineItemFeatureLMAssociation	Update Line Item Feature License Model Association

Custom Attributes	
POST createTemplateAttribute.xml	Create Template Attribute
GET getEntityCustomAttributes.xml	Find a Custom Attribute by Template Type and Entity ID
GET searchEntityByCustomAttribute.xml	Search Entity By Custom Attribute
POST updateCustomAttribute.xml	Update Custom Attribute
POST removeTemplateAttribute.xml	Delete Custom Attribute

Machine Registration	
POST addFingerprint.xml	Add Fingerprint
GET retrieveFingerprint.xml	Retrieve Fingerprint
POST deleteFingerprint.xml	Delete Fingerprint
POST addEntitlementFingerprint.xml	Add Entitlement Fingerprint
GET retrieveEntitlementFingerprint.xml	Retrieve Entitlement Fingerprint
POST deleteEntitlementFingerprint.xml	Delete Entitlement Fingerprint
GET retrieveFingerprintRegistrationDetails.xml	Retrieve Fingerprint Registration Details

Usage Information	
GET retrieveUsageLog.xml	Retrieve Usage Log
GET getCustomerUsageLog.xml	Retrieve Customer Usage Log
GET getCustomerUsageLogBasedOnVendorInfo.xml	Retrieve Customer Usage Log for Vendor Information
GET retrieveUsageBilling.xml	Retrieve Usage Bill
GET retrieveCurrentSessions.xml	View Concurrent Sessions
GET retrieveCurrentUsageCount.xml	Retrieve Current Usage Count
GET retrievePeakCapacity.xml	Retrieve Peak Capacity
GET getRawUsageDataForCustomer.xml	Retrieve Customer Raw Usage Data
GET retrieveDetachData.xml	Retrieve Detached Session Data

Machine Management	
GET retrieveActiveStations.xml	Retrieve Active Stations
POST deleteActiveStations.xml	Delete Active Stations

Function-wise Categorization

Catalog Functions

Here is a list of Web services you need to call to perform a catalog operation, such as add, modify, retrieve, and delete. Follow the calling order, wherever specified.

Add Product (in the order given)	Modify Product (in Draft Stage)	Retrieve Product	Delete Product
<ol style="list-style-type: none">1. addNamespace2. licenseModelList3. addFeature4. getLicenseModelById and copyLicenseModel (optional)5. serviceAgreementList6. createProduct7. changeProductLifeCycleStage	<ul style="list-style-type: none">■ updateFeature■ updateFeatureLMAssociation■ disAssociateFeaturesFromProduct■ associateFeaturesWithProduct	<ul style="list-style-type: none">■ getProductById■ searchProducts■ getProductByNameAndVer■ viewFeatureById■ featureList	<ul style="list-style-type: none">■ deleteFeature

Entitlement Functions

Following are the Web services that help create, modify, retrieve, and reconfigure an entitlement. Follow the calling order, wherever specified.

Create Entitlement (in the order given)	Modify Entitlement (in Draft Stage)	Retrieve Entitlement	Reconfigure Entitlement
<ol style="list-style-type: none">1. createEntitlement2. addEntitlementItem3. commitEntitlement4. addEnterpriseUserIds (for Enterprise Named entitlements)	<ul style="list-style-type: none">■ updateEntitlement■ updateEntitlementItem■ updateFeatureLineItemAssociation■ updateLineItemFeatureLMAssociation■ updateEntitlementAttributeForAllFeatures■ setEntFeatureLMAttributes■ updateServiceAgreementAttributes	<ul style="list-style-type: none">■ retrieveLicenseState■ getEntitlementItemById■ getEntitlementItemByCriteria■ getEntFeatureLMAttributes■ getServiceAgreementAttributes■ retrieveCurrentSessions■ retrieveCurrentUsageCount■ retrieveUsageLog■ retrieveUsageBilling	<ol style="list-style-type: none">1. initiateReconfigure2. updateEntitlementItem*3. getEntFeatureLMAttributes4. setEntFeatureLMAttributes5. addEntitlementItem6. updateFeatureLineItemAssociation7. updateLineItemFeatureLMAssociation8. removeEntitlementItem (line item created in above step)9. commitEntitlement

** For Enterprise Named Entitlements, the numberOfUsers field can be updated.*

Modify Entitlement (in Complete Stage)

- changeContractLineItemStatus
- changeContractStatus
- updateEntitlementAttributeForAllFeatures
- setEntFeatureLMAttributes
- updateServiceAgreementAttributes

Custom Attribute Functions

Following are the Web services that help create, modify, retrieve, and delete a custom attribute.

Create Custom Attribute	Modify Custom Attribute	Retrieve Custom Attribute	Delete Custom Attribute
createTemplateAttribute	updateCustomAttribute	searchEntityByCustomAttribute getEntityCustomAttributes	removeTemplateAttribute

Machine Registration Functions

Following are the Web services that help add, retrieve, and delete a machine fingerprint.

Add Fingerprint	Retrieve Fingerprint	Delete Fingerprint
addFingerprint addEntitlementFingerprint	retrieveFingerprint retrieveEntitlementFingerprint	deleteFingerprint deleteEntitlementFingerprint

Machine Management Functions

Following are the Web services that help retrieve and delete active stations.

Retrieve Active Stations	Delete Active Stations
retrieveActiveStations	deleteActiveStations

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