

APTTUS[®]

Revenue Recognition on Salesforce Summer 2019 API Reference

Guide

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About this Guide

Apttus provides Application Programming Interfaces (API) for you to extend the features offered by Apttus Revenue Recognition. These extensions add more functionality to the features available through configuration on Salesforce.

What's New

The following table lists changes in the documentation to support each release.

Document	Topic	Description
Summer 2019	Processing Revenue Run	New topic. New API introduced in this release.
Spring 2019	N/A	No new APIs are added for this release. The guide is updated to reflect product name changes.
Winter 2018	N/A	No new APIs are added for this release. The guide is updated to reflect product name changes.

Overview

- [API Supported Packages](#)
The package names and version numbers required for the APIs to work seamlessly.
- [API Standards and Development Platforms](#)
Apttus APIs are based on Salesforce APIs and use the same standards and platforms.
- [Field Types](#)
Apttus APIs use a subset of the supported data and field types on Salesforce.

API Supported Packages

The following packages and dependent packages are required for Revenue Recognition APIs.

Product	Latest Certified Version (Name Number)
Apttus Revenue Management (New)	5.3.135 5.135
Apttus Configuration & Pricing	10.6.1403.14 10.1403.14
Apttus Contract Management	9.0.0393.1 9.393.1
Apttus Contract-Configuration Integration	9.6.0091 9.91
Apttus Revenue-Configuration Integration (New)	2.1.0011 2.11

API Standards and Development Platforms

Apttus APIs are based on Salesforce APIs and use the same standards and platforms.

Standards

Name	Reference
Simple Object Access Protocol (SOAP) 1.1	http://www.w3.org/TR/2000/NOTE-SOAP-20000508
Web Service Description Language (WSDL) 1.1	http://www.w3.org/TR/2001/NOTE-wsdl-20010315
WS-I Basic Profile 1.1	http://www.ws-i.org/Profiles/BasicProfile-1.1-2004-08-24.html

Development Platforms

Apttus SOAP API works with standard SOAP development environments. For a list of compatible development platforms, see [Salesforce Developer Force API](#) details.

Field Types

Apttus APIs use a subset of the supported data and field types on Salesforce.

The following table lists the field types that Apttus supports. For a comprehensive list of all field types supported by Salesforce, see [Salesforce Data Types](#).

Type	Description
Boolean	The Boolean field has a true(or 1) or false(or 0) value.
Data object	The Data Object field is an ID type and is represented by CPQ.nnDO in this document.
Date	The Date field contains date values only and do not contain relevant time values. Time in a date field is always set to midnight in the UTC time zone. If you want a timestamp you must use a dateTime field.
Decimal	The Decimal field provides an exact numeric value and you can arbitrarily size the precision and scale of the value.
ID	The ID field is an alphanumeric field that acts as the primary key for a specific record associated with an object. The ID value includes a three-character code that identifies which object the record is associated with. The ID for a specific record does not change. For some objects, this field may also be a reference type value, which contains the ID value for a related record. They are identified by field names ending in 'Id', such as priceListId. The ID field acts like foreign keys and their values can be changed using an update() call.
Integer	The Integer field contains whole numbers only. There are no digits after the decimal.
List	The List field includes a fixed set of values from which you must select a single value. Picklists are available as drop-down lists. If a picklist is unrestricted, the API does not limit entries to only currently active values.
String	The String field contains text and may have different length restrictions based on the data you store in the specific field. For instance, City may be limited to 50 characters, while AddressLine1 is limited to 255 characters.

Revenue Recognition APIs

Revenue Recognition APIs belong to the following classes.

- [Revenue Web Service Class](#)
- [RevRec Action Class](#)

Revenue Web Service Class

Apttus Revenue APIs are based on Salesforce APIs and use the same standards and platforms.

You can invoke Apttus Revenue Recognition APIs belonging to the RevenueWebService Class from the following command:

```
Apttus_Revenue2.RevenueWebService.<Name of the Function>  
where the name of the function is API Name and its parameters.
```

Here is a list of APIs along with their parameters:

- [Close Revenue Period](#)
- [Computing Actual Amounts for Fee Schedules](#)
- [Generating Revenue Schedules](#)
- [Generate Revenue Schedules and Terminate Agreement](#)

Close Revenue Period

closeRevenuePeriod API closed the current revenue period and opens the next period to enable you to recognize revenue for the next month.

result closeRevenuePeriod()

Response Parameter

Response		
Field	Type	Description
result	Boolean	Returns true if the Revenue Period is closed successfully. Returns false if the revenue period is not closed.

Code Sample

```
Apttus_Revenue2.RevenueWebService.closeRevenuePeriod();
```

Computing Actual Amounts for Fee Schedules

computeActualAmountForFreeSchedules API computes the Actual Amount of the Agreement Revenue Schedules.

feeSchedules computeActualAmountForFeeSchedules(feeID, schedules)

This API computes the Actual Amount and Forecast Amount for Agreement Fee Schedules based on the RevRec Rule set on the Agreement Fee. It returns the list of Agreement Fee Schedules. It also updates the Actual Amount and Forecast Amount in the Agreement Fee Schedules.

Request Parameters

Request			
Field	Type	Required?	Description
feeID	ID	Yes	ID of the Agreement Fee
schedules	List <ID>	Yes	The list of Agreement Fee Schedule IDs

Response Parameter

Response			
Field	Type	Required?	Description
schedules	List <ID>	Yes	The list of Agreement Fee Schedule IDs

Code Sample

```
ID feeId = 'a566A000000PRh5QAG';
List<Id> feeScheduleIds = new List<Id>();
feeScheduleIds.add('a566A000000PRh5QAG');
Apttus_Revenue2.RevenueWebService.computeActualAmountForFeeSchedules(feeId,
feeScheduleIds);
```

feeSchedules computeActualAmountForFeeSchedules2(feeID, schedules)

This API computes the Actual Amount and Forecast Amount for Agreement Fee Schedules based on the RevRec Rule set on the Agreement Fee. It returns the list of Agreement Fee Schedules.

Request Parameters

Request			
Field	Type	Required ?	Description
feeId	ID	Yes	ID of the Agreement Fee
schedules	List < Agreement Fee Schedule Object>	Yes	The list of Agreement Fee Schedule object

Response Parameter

Response			
Field	Type	Required?	Description
schedules	List <ID>	Yes	The list of Agreement Fee Schedule IDs

Code Sample

```

ID feeId = 'a566A000000PRh5QAG';
List<Apttus_Revenue2__Agreement_Fee_Schedule> feeSchedules = new
    List<Apttus_Revenue2__Agreement_Fee_Schedule>();
feeSchedules.add(new Apttus_Revenue2__Agreement_Fee_Schedule (Id = '', Name = '', Other
Data....));
Apttus_Revenue2.RevenueWebService.computeActualAmountForFeeSchedules2(feeId,
feeSchedules);

```

Generating Revenue Schedules

generateRevenueSchedules API generates Agreement Revenue Schedules for the current RevRec period for the provided agreement ID.

result generateRevenueSchedules(ID agreementID)

Request Parameter

Request		
Field	Type	Description
agreementID	ID	ID of the agreement to generate revenue schedules

Response Parameter

Response		
Field	Type	Description
result	Boolean	Returns true if the agreement fee schedules are generated successfully. Returns false if the agreement fee schedules are not generated.

Code Sample

```
ID feeId = 'a566A000000PRh5QAG';
Apttus_Revenue2.RevenueWebService.generateFeeSchedule(feeId);
```

Generate Revenue Schedules and Terminate Agreement

generateTerminateRevenueSchedule API generates Revenue Schedules for the agreement ID and terminates the agreement by setting RevRec Active flag as false.

result terminateRevenueSchedule(agreementID)

This API accepts agreement ID of an agreement and generates Revenue Schedules for that agreement. After generating revenue schedules, the agreement is terminated.

Request Parameters

Request			
Field	Type	Required	Description
agreementID	ID	Yes	ID of the Agreement

Response Parameter

Response		
Field	Type	Description
result	Boolean	Returns true if the revenue schedules are generated successfully. Returns false if the revenue schedules are not generated.

Code Sample

```
ID agreementID = 'a566A000000PRh5QAG';
Apttus_Revenue2.RevenueWebService.terminateRevenueSchedule(agreementID);
```

RevRec Action Class

Apttus Revenue APIs are based on Salesforce APIs and use the same standards and platforms.

You can invoke Apttus Revenue Recognition APIs belonging to the RevenueWebService Class from the following command:

```
Apttus_Revenue2.RevRecAction.<Name of the Function>  
where the name of the function is API Name and it parameters.
```

Here is a list of APIs along with their parameters:

- [Allow Generate Revenue](#)
- [Allow Rollback Revenue](#)
- [Check Milestone Dependents](#)
- [Closing the Revenue Period](#)
- [Create Forecast Revenue Snapshot](#)
- [Generate Agreement Fee Schedules](#)
- [Generate Forecast Revenue Schedule](#)
- [Generate Forecast Revenue Snapshot](#)
- [Generate Revenue Schedule](#)
- [Generate Revenue Schedules and Terminate the Agreement](#)
- [Generate Revenue Snapshot](#)
- [Get RevRec Forecast Period](#)
- [Rollback Forecast Revenue Schedules](#)
- [Rollback Revenue Period](#)
- [Rollback Revenue Schedules](#)
- [Updating Actual Percent Complete on Agreement Fee](#)
- [Updating Agreement Fee Schedules](#)

- [Updating Budget Amount in Fee Schedules](#)
- [Updating Budget from Forecast](#)
- [Updating Fee Schedules from Agreement](#)
- [Updating Forecast Fee from Schedules](#)
- [Updating Forecast Fee Schedules](#)
- [Updating Forecast Fee Schedules from Actuals](#)
- [Updating Forecast Revenue Schedules With Actuals](#)
- [Update Currency of Milestone Dependents](#)
- [Processing Revenue Run](#)
- [Deprecated APIs](#)

Allow Generate Revenue

allowGenerateRevenue API checks if the Generate Revenue Action is allowed for the given Agreement and Legal Entity.

result allowGenerateRevenue2(agreementID, legalEntityID)

This API accepts the agreement ID and legal entity ID as input parameters. It checks the RevRec Active flag and returns 1 if it selected.

Request Parameters

Request			
Field	Type	Required	Description
agreementID	ID	Yes	ID of the Agreement.
legalEntityID	ID	Yes	ID of the Legal Entity

Response Parameter

Response		
Field	Type	Description
result	Integer	Returns 1 if the RevRec Active checkbox is selected. Returns 0 if the RevRec Active checkbox is clear.

Code Sample

```
ID agreementId = 'a566A000000PRh5QAG';
ID legalEntityId = 'a566A000000PRh87GH';
Apttus_Revenue2.RevRecAction. allowGenerateRevenue2(agreementId, legalEntityId);
```

Allow Rollback Revenue

allowRollbackRevenue API checks if the Rollback Revenue Action is allowed for the given Agreement and Legal Entity.

result allowRollbackRevenue(agreementID, legalEntityID)

This API accepts the agreement ID and legal entity ID as input parameters. It checks if the **RecRec Active** flag is selected and Agreement RevRec Period Date is greater than the Current RevRec Period.

Request Parameters

Request			
Field	Type	Required	Description
agreementID	ID	Yes	ID of the Agreement.
legalEntityID	ID	Yes	ID of the Legal Entity

Response Parameter

Response		
Field	Type	Description
result	Integer	Returns 1 if the Agreement RevRec Period Date is greater than the Current RevRec Period. Returns 0 if the Agreement RevRec Period Date is less than the Current RevRec Period.

Code Sample

```
ID agreementId = 'a566A000000PRh5QAG';
ID legalEntityId = 'a566A000000PRh87GH';
Apttus_Revenue2.RevRecAction. allowRollbackRevenue(agreementId, legalEntityId);
```

Check Milestone Dependents

checkIfMilestoneHasDependents API checks whether any dependent record exists for Agreement Fee, Agreement Prepay or Agreement Trueup for the given Milestone ID.

result checkIfMilestoneHasDependents(milestoneID)

This API accepts milestone ID as an input parameter and checks if any dependent record exists for Agreement Fee, Agreement Prepay or Agreement Trueup for the given Milestone ID.

Request Parameters

Request			
Field	Type	Required	Description
milestoneID	ID	Yes	ID of the Agreement Milestone

Response Parameter

Response		
Field	Type	Description
result	Integer	Returns true if the agreement record has dependents Returns false if the agreement record has no dependents

Code Sample

```
ID milestoneId = 'a566A000000PRh5QAG';
Apttus_Revenue2.RevRecAction.checkIfMilestoneHasDependents(milestoneId);
```

Closing the Revenue Period

closeRevenuePeriod API closed the current revenue period and opens the next period to enable you to recognize revenue for the next month.

result closeRevenuePeriod()

Response Parameter

Response		
Field	Type	Description
result	Boolean	Returns true if the Revenue Period is closed successfully. Returns false if the revenue period is not closed.

Code Sample

```
Apttus_Revenue2.RevRecAction.closeRevenuePeriod();
```

Create Forecast Revenue Snapshot

createForecastRevenueSnapshot API creates a snapshot of the Revenue Forecast for the given Agreement ID.

result createForecastRevenueSnapshot(agreementID, snapshotName)

This API accepts agreement ID and name of the snapshot as input parameters. It creates a forecast revenue snapshot for the agreement ID.

Request Parameters

Request			
Field	Type	Required	Description
agreementID	ID	Yes	ID of the Agreement.
snapshotName	String	Yes	Name of the snapshot. Revenue Snapshot is created with this name.

Response Parameter

Response		
Field	Type	Description
result	Boolean	Returns true if the forecast revenue snapshot is created. Returns false if the forecast revenue snapshot is not created.

Code Sample

```
ID agreementId = 'a566A000000PRh5QAG';
String snapshotName = 'JanuarySnapshot'
Apttus_Revenue2.RevRecAction.updateForecastFeeScheduleFromActuals(agreementId,
snapshotName);
```

Generate Agreement Fee Schedules

generateFeeSchedule API generates Agreement Fee Schedules for a given agreement fee ID. Agreement Fee Schedules are generated for each period based on the Start Date and the End Date defined on the Agreement Fee.

result generateFeeSchedule(feelD)

This API accepts agreement feelD and generates Agreement Fee Schedules for that agreement fee.

Request Parameters

Request			
Field	Type	Required	Description
feelD	ID	Yes	ID of the Agreement Fee

Response Parameter

Response		
Field	Type	Description
result	Boolean	Returns true if the agreement fee schedules are generated successfully. Returns false if the agreement fee schedules are not generated.

Code Sample

```
ID feeId = 'a566A000000PRh5QAG';
Apttus_Revenue2.RevRecAction.generateFeeSchedule(feeId);
```

Generate Forecast Revenue Schedule

generateForecastRevenueSchedule API generates Forecast Revenue Schedules for a given agreement ID. This API also updates the Agreement, Agreement Fee, Agreement Prepay, Agreement Trueup and Forecast Revenue Summary records. Forecast Revenue Snapshots are also created.

result generateForecastRevenueSchedule(agreementID)

This API accepts agreement ID and generates Forecast Revenue Schedules for that agreement.

Request Parameters

Request			
Field	Type	Required	Description
agreementID	ID	Yes	ID of the Agreement

Response Parameter

Response		
Field	Type	Description
result	Boolean	Returns true if the forecast revenue schedules are generated successfully. Returns false if the forecast revenue schedules are not generated.

Code Sample

```
ID agreementID = 'a566A000000PRh5QAG';
Apttus_Revenue2.RevRecAction.generateForecastRevenueSchedule(agreementID);
```

Generate Forecast Revenue Snapshot

generateForecastRevenueSnapshot API deletes the existing Forecast Revenue Snapshot and creates an updated Forecast Revenue Snapshot for an agreement.

result generateForecastRevenueSnapshot(agreementID)

This API accepts agreement ID of an agreement and generates Forecast Revenue Snapshot for that agreement.

Request Parameters

Request			
Field	Type	Required	Description
agreementID	ID	Yes	ID of the Agreement

Response Parameter

Response		
Field	Type	Description
result	Boolean	Returns true if the Forecast Revenue Snapshot is generated successfully. Returns false if the Forecast Revenue Snapshot is not generated.

Code Sample

```
ID agreementID = 'a566A000000PRh5QAG';
Apttus_Revenue2.RevRecAction.generateForecastRevenueSnapshot(agreementID);
```

Generate Revenue Schedule

generateFeeSchedule API generates Revenue Schedules for a given agreement ID. This API also updates the Agreement, Agreement Fee, Agreement Prepay, Agreement Trueup and Revenue Summary records. Revenue Snapshots are also created.

result generateRevenueSchedule(agreementID)

This API accepts agreement ID and generates Revenue Schedules for that agreement.

Request Parameters

Request			
Field	Type	Required	Description
agreementID	ID	Yes	ID of the Agreement

Response Parameter

Response		
Field	Type	Description
result	Boolean	Returns true if the revenue schedules are generated successfully. Returns false if the revenue schedules are not generated.

Code Sample

```
ID agreementID = 'a566A000000PRh5QAG';
Apttus_Revenue2.RevRecAction.generateRevenueSchedule(agreementID);
```

Generate Revenue Schedules and Terminate the Agreement

generateTerminateRevenueSchedule API generates Revenue Schedules for the agreement ID and terminates the agreement by setting RevRec Active flag as false.

result generateTerminateRevenueSchedule(agreementID)

This API accepts agreement ID of an agreement and generates Revenue Schedules for that agreement. After generating revenue schedules, the agreement is terminated.

Request Parameters

Request			
Field	Type	Required	Description
agreementID	ID	Yes	ID of the Agreement

Response Parameter

Response		
Field	Type	Description
result	Boolean	Returns true if the revenue schedules are generated successfully. Returns false if the revenue schedules are not generated.

Code Sample

```
ID agreementID = 'a566A000000PRh5QAG';
Apttus_Revenue2.RevRecAction.generateTerminateRevenueSchedule(agreementID);
```

Generate Revenue Snapshot

generateRevenueSnapshot API generates Revenue Snapshot for an agreement.

result generateRevenueSnapshot(agreementID)

This API accepts agreement ID of an agreement and generates Revenue Snapshot for that agreement.

Request Parameters

Request			
Field	Type	Required	Description
agreementID	ID	Yes	ID of the Agreement

Response Parameter

Response		
Field	Type	Description
result	Boolean	Returns true if the Revenue Snapshot is generated successfully. Returns false if the Revenue Snapshot is not generated.

Code Sample

```
ID agreementID = 'a566A000000PRh5QAG';
Apttus_Revenue2.RevRecAction.generateRevenueSnapshot(agreementID);
```

Get RevRec Forecast Period

getRevRecForecastPeriodNumber API returns the revenue forecast period number for the given agreement ID.

result getRevRecForecastPeriodNumber(agreementID)

This API accepts the agreement ID input parameter and returns the revenue forecast period for it.

Request Parameters

Request			
Field	Type	Required	Description
agreementID	ID	Yes	ID of the Agreement.

Response Parameter

Response		
Field	Type	Description
periodNumber	Integer	The forecast period number

Code Sample

```
ID agreementId = 'a566A000000PRh5QAG';
Apttus_Revenue2.RevRecAction.getRevRecForecastPeriodNumber(agreementId);
```

Rollback Forecast Revenue Schedules

rollbackForecastRevenueSchedule API rolls back forecast revenue schedules for a given agreement ID. The values of Agreement Trueup, Agreement Fee, and Agreement records are updated. It also deletes Forecast Revenue Schedules, Prepay, Revenue Summary, Forecast Snapshot, and task history records.

result rollbackForecastRevenueSchedule(agreementID)

This API accepts agreement ID and rollbacks the Forecast Revenue Schedules for that agreement.

Request Parameters

Request			
Field	Type	Required	Description
agreementID	ID	Yes	ID of the Agreement

Response Parameter

Response		
Field	Type	Description
result	Boolean	Returns true if the Forecast revenue schedules are rolled back successfully. Returns false if the Forecast revenue schedules are not rolled back.

Code Sample

```
ID agreementID = 'a566A000000PRh5QAG';
Apttus_Revenue2.RevRecAction.rollbackForecastRevenueSchedule(agreementID);
```

Rollback Revenue Period

rollbackRevenuePeriod API allows you to reopen the previous revenue period. rollbackRevenuePeriod API changes the current period date to the last date of the previous period.

result rollbackRevenuePeriod()

Request Parameters

Response		
Field	Type	Description
result	Boolean	Returns true if the Revenue Period is rolled back successfully. Returns false if the revenue period is not rolled back.

Code Sample

```
Apttus_Revenue2.RevRecAction.rollbackRevenuePeriod();
```

Rollback Revenue Schedules

rollbackRevenueSchedule API rolls back revenue schedules for a given agreement ID.

result rollbackRevenueSchedule(agreementID)

This API accepts agreement ID and rolls back the Revenue Schedules for that agreement.

Request Parameters

Request			
Field	Type	Required	Description
agreementID	ID	Yes	ID of the Agreement

Response Parameter

Response		
Field	Type	Description
result	Boolean	Returns true if the revenue schedules are rolled back successfully. Returns false if the revenue schedules are not rolled back.

Code Sample

```
ID agreementID = 'a566A000000PRh5QAG';
Apttus_Revenue2.RevRecAction.rollbackRevenueSchedule(agreementID);
```

Updating Actual Percent Complete on Agreement Fee

updateFeeSchedulewithPercentage API fetches current period agreement fee schedule for a given agreement fee id and updates the Percent value for that Agreement Fee.

result updateFeeScheduleWithPercentage(agreeID, percentComplete)

This API accepts agreement feeID and percentComplete as input parameters and fetches current period agreement fee schedule for a given agreement fee id and updates the Percent value.

 Ensure that you set the **RevRec Rule** as *Percent Complete*.

Request Parameters

Request			
Field	Type	Required	Description
feeID	ID	Yes	ID of the Agreement Fee
percentComplete	Decimal	Yes	The percentage complete number

Response Parameter

Response		
Field	Type	Description
result	Boolean	Returns true if the Revenue Period is closed successfully. Returns false if the revenue period is not closed.

Code Sample

```
ID feeId = 'a566A000000PRh5QAG';
Decimal percentComplete = 25.00;
Apttus_Revenue2.RevRecAction.updateFeeScheduleWithPercentage(feeId,percentComplete);
```

Updating Agreement Fee Schedules

updateFeeSchedule API updates the Actual Amount and the Forecast Amount of all the agreement fee schedules for a given agreement fee ID.

result updateFeeSchedule(feeID)

This API accepts agreement feeID and updates the Actual Amount of all the agreement fee schedules for a given agreement fee ID.

Request Parameters

Request			
Field	Type	Required	Description
feeID	ID	Yes	ID of the Agreement Fee

Response Parameter

Response		
Field	Type	Description
result	Boolean	Returns true if the agreement fee schedules are updated. Returns false if the agreement fee schedules are not updated.

Code Sample

```
ID feeId = 'a566A000000PRh5QAG';
Apttus_Revenue2.RevRecAction.updateFeeSchedule(feeId);
```

Updating Budget Amount in Fee Schedules

updateBudgetFeeSchedule API updates the Budget Amount and Budget Unit from the Actual Amount and Actual unit based on the Agreement Fee Schedule. Agreement Fee Schedules are also updated.

result updateBudgetFeeSchedule(feeID)

This API accepts agreement feeID and updates the Budget Amount and Budget Units for a given agreement fee ID.

Request Parameters

Request			
Field	Type	Required	Description
feeID	ID	Yes	ID of the Agreement Fee

Response Parameter

Response		
Field	Type	Description
result	Boolean	Returns true if the Budget amount is updated. Returns false if the Budget amount is not updated.

Code Sample

```
ID feeId = 'a566A0000000PRh5QAG';
Apttus_Revenue2.RevRecAction.updateBudgetFeeSchedule( feeId );
```

Updating Budget from Forecast

updateBudgetFeeScheduleFromForecast API updates the Budget Amount and Budget Unit from the Forecast Amount and Forecast Unit based on the Agreement Forecast record. Agreement Fee Schedules are also updated.

result updateBudgetFeeScheduleFromForecast(agreementID)

This API accepts agreement ID as input parameter. It updates the budget amount and budget units for a given agreement ID.

Request Parameters

Request			
Field	Type	Required	Description
agreementID	ID	Yes	ID of the Agreement.

Response Parameter

Response		
Field	Type	Description
result	Boolean	Returns true if the fee schedules are updated. Returns false if the fee schedules are not updated.

Code Sample

```
ID agreementId = 'a566A000000PRh5QAG';
Apttus_Revenue2.RevRecAction.updateBudgetFeeScheduleFromForecast(agreementId);
```

Updating Fee Schedules from Agreement

updateFeeFromSchedule API updates the Actual Amount, Units and Budget Units of Agreement Fee from Agreement Fee Schedules for a given agreement ID. The API also populates the revenue amount.

result updateFeeFromSchedule(agreementID)

This API accepts agreementID and updates the Actual Amount of the agreement fee for a given agreement ID.

Request Parameters

Request			
Field	Type	Required	Description
agreementID	ID	Yes	ID of the Agreement

Response Parameter

Response		
Field	Type	Description
result	Boolean	Returns true if the agreement fee schedules are updated. Returns false if the agreement fee schedules are not updated.

Code Sample

```
ID agreementId = 'a566A000000PRh5QAG';
Apttus_Revenue2.RevRecAction.updateFeeFromSchedule(agreementId);
```

Updating Forecast Fee from Schedules

updateForecastFeeFromSchedule API updates the Forecast Amount of all the fee schedules for a given agreement fee ID. This API does not populate the customer-revenue.

result updateForecastFeeFromSchedule(agreementID)

This API accepts agreement feeID and updates the Forecast Amount of all the fee schedules for a given agreement ID.

Request Parameters

Request			
Field	Type	Required	Description
agreementID	ID	Yes	ID of the Agreement

Response Parameter

Response		
Field	Type	Description
result	Boolean	Returns true if the Forecast agreement fee schedules are updated. Returns false if the Forecast agreement fee schedules are not updated.

Code Sample

```
ID agreementId = 'a566A000000PRh5QAG';
Apttus_Revenue2.RevRecAction.updateForecastFeeFromSchedule(agreementId);
```

Updating Forecast Fee Schedules

updateForecastFeeSchedule API updates the Forecast Amount of all the fee schedules for a given agreement fee ID.

result updateForecastFeeSchedule(feeID)

This API accepts agreement feeID and updates the Forecast Amount of all the fee schedules for a given agreement fee ID.

Request Parameters

Request			
Field	Type	Required	Description
feeID	ID	Yes	ID of the Agreement Fee

Response Parameter

Response		
Field	Type	Description
result	Boolean	Returns true if the Forecast agreement fee schedules are updated. Returns false if the Forecast agreement fee schedules are not updated.

Code Sample

```
ID feeId = 'a566A000000PRh5QAG';
Apttus_Revenue2.RevRecAction.updateForecastFeeSchedule(feeId);
```

Updating Forecast Fee Schedules from Actuals

updateForecastFeeScheduleFromActuals API updates the Forecast Amount and units based on the actual amount for a given agreement ID and period. For monthly recurring agreements, the API removes and nullifies the forecast fees for the second and third quarter of the agreement.

result updateForecastFeeScheduleFromActuals(agreementID, periodDate)

This API accepts agreement ID and period date as input parameters. It updates the Forecast Amount and units for a given agreement ID and period.

Request Parameters

Request			
Field	Type	Required	Description
agreementID	ID	Yes	ID of the Agreement.
periodDate	Date	Yes	The period date to update the forecast units and amounts.

Response Parameter

Response		
Field	Type	Description
result	List <ID>	Returns the list of fee IDs for which forecast units and amounts are updated.

Code Sample

```
ID agreementId = 'a566A000000PRh5QAG';
Date periodDate = Date.newInstance(2018,01,31);
Apttus_Revenue2.RevRecAction.updateForecastFeeScheduleFromActuals(agreementId,
periodDate);
```

Updating Forecast Revenue Schedules With Actuals

updateForecastRevenueScheduleFromActuals API updates the Agreement Forecast Amount and units of the Agreement Forecast Revenue Schedule from Revenue Forecast Schedule based on the actual amount for a given agreement ID and period date.

result updateForecastRevenueScheduleWithActuals(agreementID, periodDate)

This API accepts agreement ID and period date as input parameters. It updates the Forecast Amount and units for a given agreement ID and period.

Request Parameters

Request			
Field	Type	Required	Description
agreementID	ID	Yes	ID of the Agreement.
periodDate	Date	Yes	The period date to update the forecast units and amounts.

Response Parameter

Response		
Field	Type	Description
result	Boolean	Returns true if the forecast revenue schedules are updated. Returns false if the forecast revenue schedules are not updated.

Code Sample

```
ID agreementId = 'a566A000000PRh5QAG';
periodDate = Date.newInstance(2018,01,31)
Apttus_Revenue2.RevRecAction.updateForecastFeeScheduleFromActuals(agreementId,
periodDate);
```

Update Currency of Milestone Dependents

updateDependentsCurrency API updates the currency value of all the agreement dependents. For a given agreement ID, it updates the currency field of the agreement fee, prepay and trueup dependent on the agreement.

updateDependentsCurrency(agreementID, currencyCode)

This API accepts agreement ID and currency code as input parameters. For a given agreement ID, it updates the currency field of the agreement fee, prepay and trueup with the provided currency code.

Request Parameters

Request			
Field	Type	Required	Description
agreementID	ID	Yes	ID of the Agreement
currencyCode	String	Yes	Currency code to update the agreement dependents with

Code Sample

```
ID agreementId = 'a566A000000PRh5QAG';
String currencyCode = 'INR'
Apttus_Revenue2.RevRecAction.updateDependentsCurrency(agreementId, currencyCode);
```

Processing Revenue Run

With processRevenueRun API, you can submit and process a Revenue Run programmatically. For details on Revenue Run batch job, refer to [Revenue Run](#).

RevenueRunOutputWrapper processRevenueRun(RevenueRunInputWrapper revRunInput)

This API accepts a RevenueRunInput custom wrapper class as an input parameter. It returns a RevenueRunOutput class.

Request Parameters

Request - RevenueRunInputWrapper			
Field	Type	Required	Description
revenueRunObj	RevenueRun__c	Yes	A new revenue run object with a unique name.
legalEntityId	Id	Yes	Id of an active Legal Entity associated with a RevRec Period. Note: The Current Period Date of the RevRec Period cannot be null.
searchCriteriaList	List<RevenueRunSearchCriteriaWrapper>	No	Set it to null to process all the records.
searchCriteriaRelation	String	No	filterRelation is required if you have provided a list of search filters. For example: (1 AND 2)
RevenueRunSearchCriteriaWrapper			
Field	Type	Required	Description
rowNum	Integer	No	The sequence number of filter criteria. If you do not specify a sequence number, the filter criteria is evaluated in the sequence of data that you provide.
fieldName	String		API Name of the Field. Currently, only the Account field is accepted.
compOperator	String		The comparison operator. Note: All the comparison operators available on the Revenue Run are accepted.

RevenueRunSearchCriteriaWrapper			
Field	Type	Required	Description
fieldValue	String		The field value.

Response Parameters

Response - RevenueRunWrapperOutput		
Field	Type	Description
revenueRunId	Id	Id of the newly created Revenue Run. revenueRunId is set as null if the revenue run API is not processed successfully.
revenueRunResultId	Id	Id of the newly created Revenue Run Result. revenueRunResultId is set as null if the revenue run API is not processed successfully.
message	String	Validation Message.
isSuccess	Boolean	Value is set to true if the Revenue Run is processed successfully. Value is set to false if the Revenue Run processing fails.

Code Sample

```

Apttus_Revenue2.CustomClass.RevenueRunInputWrapper revRunInput = new
Apttus_Revenue2.CustomClass.RevenueRunInputWrapper();
    revRunInput.revenueRunObj = new Apttus_Revenue2__RevenueRun__(
    Name = 'testRRR_Test',
    Apttus_Revenue2__JobType__c =
        'Generate Forecasts',
    Apttus_Revenue2__RunType__c = 'Scheduled'
    );
    revRunInput.legalEntityId = 'a6LW00000001CAP';
    Apttus_Revenue2__RevenueRun__c revRun = revRunInput.revenueRunObj;
    revRunInput.searchCriteriaList = new
List<Apttus_Revenue2.CustomClass.RevenueRunSearchCriteriaWrapper>();
    Apttus_Revenue2.CustomClass.RevenueRunSearchCriteriaWrapper sc = new
Apttus_Revenue2.CustomClass.RevenueRunSearchCriteriaWrapper();
        sc.fieldName = 'Name';
        sc.compOperator = 'equal to';
        sc.fieldValue = 'RC_Test_Account';
        revRunInput.searchCriteriaList.add(sc);
        sc = new Apttus_Revenue2.CustomClass.RevenueRunSearchCriteriaWrapper();
        sc.fieldName = 'BillingCity';
        sc.compOperator = 'equal to';
        sc.fieldValue = 'RC_Test_Account';
        revRunInput.searchCriteriaList.add(sc);
        revRunInput.searchCriteriaRelation = '(1 OR 2)';
    // scheduled run data
    revRun.Apttus_Revenue2__PeriodStartDate__c = Date.today();
    revRun.Apttus_Revenue2__PeriodEndDate__c =
revRun.Apttus_Revenue2__PeriodStartDate__c.addDays(2);
    revRun.Apttus_Revenue2__ScheduleType__c = 'Monthly by day';
    revRun.Apttus_Revenue2__MonthlyWeek__c = 'the 4th';
    revRun.Apttus_Revenue2__MonthlyWeekDay__c = 'Monday';
    revRun.Apttus_Revenue2__PreferredStartHour__c = '4 PM';
    revRun.Apttus_Revenue2__PreferredStartMinute__c = '30';
    Apttus_Revenue2.CustomClass.RevenueRunOutputWrapper revRunOutput =
Apttus_Revenue2.RevRecAction.processRevenueRun(revRunInput);
    System.debug('revRunOutput: ' + revRunOutput);
    // Sample output:
    // revRunOutput: RevenueRunOutputWrapper:[isSuccess=true, message=null,
revenueRunId=a6QW00000002Ss5MAE, revenueRunResultId=null]

```

Deprecated APIs

The following APIs belonging to RevRec Action class are deprecated. Calling these APIs will result in an error.

- allowGenerateRevenue(Id agreementId)
- closeRevRecPeriod()
- rollbackRevRecPeriod()

- `getAgreementIDsForCurrentPeriod()`
- `getAgreementIDsForCurrentPeriod()`
- `clearActualsinForecastRevenueSchedules(Id agreementId, Date periodDate)`

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