Guide

ADP Marketplace Metered Billing - Usage-Based Pricing

Published on
Jul 15, 2021 2:17PM

Last modified
Nov 17, 2021 3:39PM

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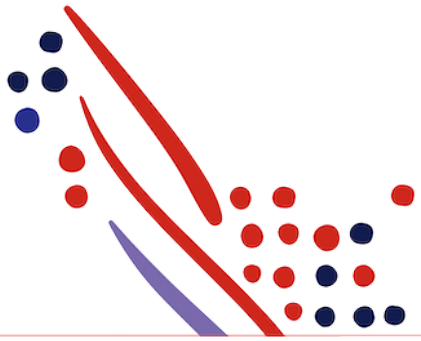

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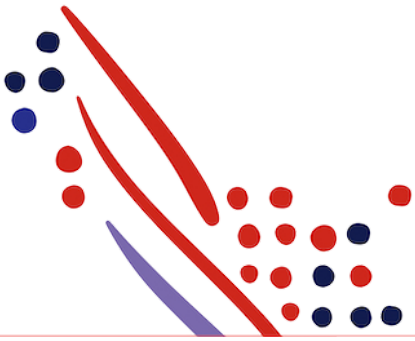

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Chapter 1

Introduction

Info

It is important that you send metered usage based on how your edition's billing frequency is configured. (Monthly, Quarterly, ETC) If you don't send in metered usage when required any revenue share payments made to your company will be delayed.

One way to price your ADP Marketplace partner application is based upon usage. This article will explain how you can utilize the Metered Usage API in ADP Marketplace. If you're not sure which pricing model is right for your application development, please reference this article.

Metered usage model is used when you want clients to pay their bills based on their usage of your application. In this model, clients are only billed for the units setup on the edtion.

When setting up this pricing model, you'll need to submit Metered Usage API calls based on the billing frequency set up in your app's Editions & Pricing section. We highly recommend you set up the billing frequency as monthly. **Metered usage is a post-paid method**, so the revenue collected is **dependent on you** sending the usage information into the **ADP Marketplace Metered Usage API** for each client on the same day of the month in order to prevent billing delays.

Note: Starting July 19th 2021, new apps that have one or more metered usage / custom metered usage edition will have a fixed billing frequency start date which is 25th of every month. This is as opposed to having subscription date as the billing frequency start date for clients. Please see the chapter 4 sections Implementation and Best Practice for more details on this.

There are two uses cases avaliable to ADP Marketplace developers:

1. **Standard Metered Usage**

- The **Unit** of measure (such as **Per User** or **Per Employee**)
- The **Quantity** of Users or Employees, per month
- The **accountIdentifier** for the client
- The **OAuth credentials** of the App

2. **Custom Metered Usage**

- The **Unit** of measure
- The **Quantity**
- The custom **Price**
- A **Description** of the custom Unit, Quantity and Price
- The **accountIdentifier** for the client
- The **OAuth credentials** of the App

Chapter 2

Use Cases

Standard Usage Use Case

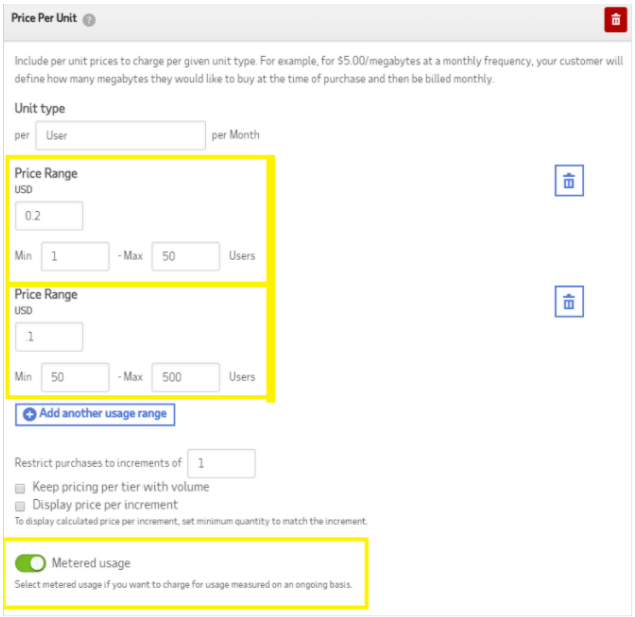
- At the Bottom of this Chapter will be a link to download a Postman Collection for both Standard and Custom metered billing calls.
- Your app counts the number of Units the client uses.
- Your app calls the Metered Usage API based on the frequency defined in the edition (typically a monthly basis), **per client**, to report the **Unit(s) and Quantity** on a **Price-per-Unit-enabled** Edition with **Metered Usage** button enabled.

- If a mistake happens with billing, e.g., too many Units were sent, you can also send a **negative** quantity to reduce a previously posted, incorrect Metered Usage Unit.

- You'll have a unique accountIdentifier for each client. This is the value you would have send back to the ADP Marketplace when a client subscribes, updates, assigns and un-assigns a user to your solution. More on how to properly to respond to events can be found in the guides below:

  ADP Marketplace Integration - Separate Credentials (OAuth2 + Basic Auth)
  ADP Marketplace Integration - Separate Credentials (OAuth2)

- You must use the OAuth credentials of the app as the authorization for the Metered Usage API call, in the same way the authorization is used for calling the eventUrl of a Subscription Order event.



Custom Metered Usage

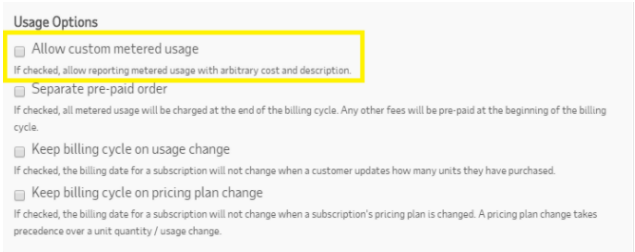
- **You should consult with your Marketplace Technial Advisior before setting up Custom Metered Usage to discuss if this is the correct model.**

- Your app calls the Metered Usage API based on the frequency defined in the edition (typically a monthly basis) to report number of Units, Additional Units, Quantity, Description, and Custom Price per Unit.

  - If a mistake is made, you can also send a negative quantity to reduce a previously posted Metered Unit.

- You'll have a unique accountIdentifier for each client. This is the value you would have send back to the ADP Marketplace when a client subscribes to your solution.

- You must use the OAuth credentials of the app as the authorization for the Metered Usage API call, in the same way the authorization is used for calling the eventUrl of a Subscription Order event.



Info

Here is a **Sample Postman Collection** with payloads for Custom or Standard Metered Usage API

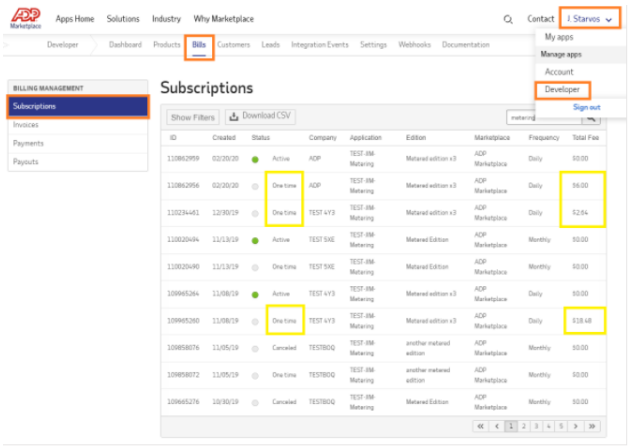
Chapter 3

Checking Your Metered Usage Post Via The ADP Marketplace

Checking Your Metered Usage Post

After sending metered usage to ADP Marketplace, you can review the calculated usage info on the following page. The status for usage that has not been invoiced is **"One time"**. After invoice, the status will be **"Finished"**.

1. Login into the ADP Marketplace (US https://apps.adp.com/ or https://ca.apps.adp.com/)
2. Click your name (top right)
3. Click on Developer
4. Click on Bills
5. Click on Subscriptions



After ADP Marketplace successfully receives the Metered Usage API call, ADP Marketplace performs the billing and invoice process based on the subscription date of the client to the solution

Chapter 4

Implementation and Best Practice

Development and Testing

1. As a developer you should have a development application (an application in the staging catalog and not published for live) in Marketplace. DO NOT use any live app for development & testing purposes. If you don't have a development applicatoin, create one.

2. In your development app, create an edition with Metered Usage enabled. Set the price range $ value to 0.01 and the Billing Frequecy to "Daily".

3. When making the Metered Usage API call the authorization that should be used will be under the **"Credentials"** tab.

4. Work with your MTA to publish the app listing in hidden mode.
   Note: The published URL should be used to perform all Metered Usage Testing.

5. Log into Marketplace using the test instance user ID and password, and subscribe to the metered usage edition and send im a Metered Usage call for testing purposes.

6. To check the Metered Usage you have sent go to the "Bills" menu to make sure that the calls are going through successfully. For steps see **Chatper 3**.

7. At the end of successful testing, send negative usage calls to cancel out the usage that you have previously posted.

Go-Live

1. After a successful testing with the development application, add the new edtion within your live application.

2. After the new edition is created, make a publish request and wait for ADP to publish.

Fixed billing frequency start date

As of July 19th 2021, new apps with the metered usage model will follow the below approach:

1. All new metered usage applications that go-live will have a fixed billing frequency start date as the **25th of every month**.

2. A client places the order on July 15th 2021.

3. This means that the partner's will have to post the metered usage on the 24th of every month for all clients
   Note: This change is applicable only for new Apps with a monthly billing frequency.

Best Practices

1. You will have to make sure your application keeps track of the usage, since your counts will be the source of truth for the usage. If there are any issues with the billing, the billing usage you sent will be used for review purposes.
   Note: It is highly recomended that you save all calls sent to the metered usage api (as there will be no way to retrieve them later on) in your logs as they would be needed for any billing discrepancies.

2. You have the capability to post a negative metered usage amount or quantity within the same billing cycle to perform an adjustment of the previously posted units or price.

3. Be accurate and reliable with sending Metered Usage as the consequences of incorrectly sending usage will negativly affect the client experience with your application.