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Usage Processing



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Decimal Precision Mapping for QT

CloudBlue Commerce (CBC) only supports integer resource usage values, but in Connect the **Pay as you Go** items can have decimal precision, so the usage quantities submitted from Connect to CBC can be decimal as well.

IMPORTANT! The information and configuration instructions below only apply to Connect products that utilize the **Quantity (QT)** usage reporting schema.

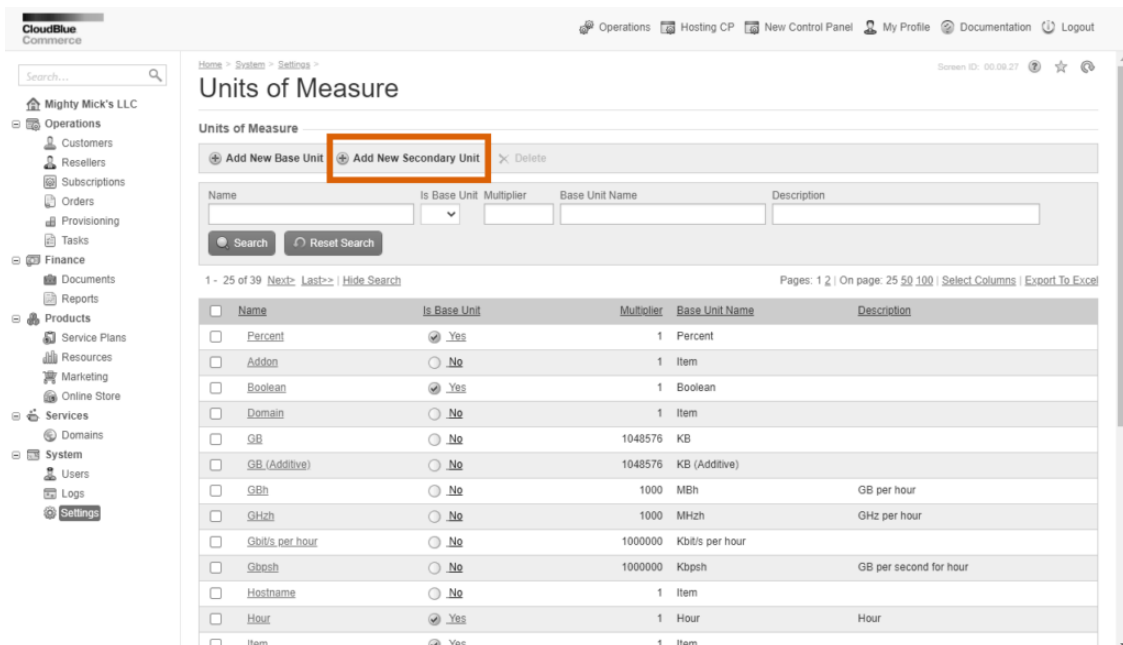
When reporting usage to CBC, Connect automatically multiplies the submitted usage quantities according to the item precision:

- Integer = $10^0 = x 1$ (the only precision type that requires no additional translation)
- Decimal(1) = $10^1 = x 10$
- Decimal(2) = $10^2 = x 100$
- Decimal(4) = $10^4 = x 10000$
- Decimal(8) = $10^8 = x 100000000$

In order for these values to be used in CBC, appropriate Units of Measure (UoM) need to be configured for CBC resources as illustrated below.

1. Create the Unit of Measure in CBC Billing

In CBC navigate to Billing > System > Settings > Product > Units of Measure and click **Add New Secondary Unit**:



The screenshot shows the 'Units of Measure' configuration page in CloudBlue Commerce. The 'Add New Secondary Unit' button is highlighted with an orange box. Below the form is a table of existing units.

Name	Is Base Unit	Multiplier	Base Unit Name	Description
<input type="checkbox"/> Percent	<input checked="" type="radio"/> Yes	1	Percent	
<input type="checkbox"/> Addon	<input type="radio"/> No	1	Item	
<input type="checkbox"/> Boolean	<input checked="" type="radio"/> Yes	1	Boolean	
<input type="checkbox"/> Domain	<input type="radio"/> No	1	Item	
<input type="checkbox"/> GB	<input type="radio"/> No	1048576	KB	
<input type="checkbox"/> GB (Additive)	<input type="radio"/> No	1048576	KB (Additive)	
<input type="checkbox"/> GBh	<input type="radio"/> No	1000	MBh	GB per hour
<input type="checkbox"/> GHz	<input type="radio"/> No	1000	MHzh	GHz per hour
<input type="checkbox"/> Gbit/s per hour	<input type="radio"/> No	1000000	Kbit/s per hour	
<input type="checkbox"/> Gbosh	<input type="radio"/> No	1000000	Kbpsh	GB per second for hour
<input type="checkbox"/> Hostname	<input type="radio"/> No	1	Item	
<input type="checkbox"/> Hour	<input checked="" type="radio"/> Yes	1	Hour	Hour
<input type="checkbox"/> Item	<input checked="" type="radio"/> Yes	1	Item	

Enter Name, Description and ID to distinguish this UoM from others in CBC; put **unit-hours** as Base Unit and a Multiplier according to the precision required, i.e. 100 for Decimal (2):

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Home > System > Settings > Units of Measure

Screen ID: 01.10.04

Secondary Unit. Add

Name:

Description:

Base Unit:

Multiplier: = 10²

ID:

*Required fields

Save Cancel

2. Configure the resource to use the new UoM

Navigate to Billing > Resources, find the resource corresponding to the Connect item with decimal precision, click on it, then click **Change Unit of Measure**:

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Home > Products > Resources

Screen ID: 00.03.10

Resource #1000061 Pay as you Go Decimal 2

General Upgrade From Upgrade To Necessary To Depends On

ID: 1000061

Name: Pay as you Go Decimal 2

Resource Category: Connect item with precision of Decimal 2

Description: Connect item with precision of Decimal 2

Additive: ☒ Yes

Measurable: ☐ No

Unit of Measure ID: unith-hours

Owner: 1 Mighty Mick's LLC

Service Gate: 4 Operations Automation

Max: Unlimited

Min: Unlimited

Display Type: Default

Controlled by: External System

Resource Type: ☐ Resource

MPN:

Vendor ID: VA-966-072

Vendor Name: VA-966-072

Change Unit of Measure Edit Load MPN from Connector Load Vendor Data from Connector

Select the previously created UoM and click Save:

The screenshot shows the CloudBlue Commerce interface for configuring a resource. The left sidebar contains a navigation menu with categories like Operations, Finance, Products, Services, and System. The main content area displays the configuration for 'Resource #1000061 Pay as you Go Decimal 2'. The 'Unit of Measure ID' dropdown is highlighted with a red box and labeled '1', showing options: 'unit-hours', 'unit-hours', and 'Decimal 2'. The 'Save' button is highlighted with a red box and labeled '2'. The 'Resource Type' is set to 'Resource'.

Field	Value
ID	1000061
Name	Pay as you Go Decimal 2
Resource Category	
Description	Connect item with precision of Decimal 2
Additive	<input checked="" type="radio"/> Yes
Measurable	<input type="radio"/> No
Unit of Measure ID *	unit-hours (selected)
Owner	4 Operations Automation
Service Gate	
Max	Unlimited
Min	Unlimited
Controlled by	External System
Resource Type	<input type="radio"/> Resource
MPN	
Vendor ID	VA-966-072
Vendor Name	VA-966-072

*Required fields

Save Cancel

With this setup, CBC will be applying proper multipliers automatically and will correctly process the decimal precision usage from Connect.