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

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**:



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):



### 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**:



Select the previously created UoM and click Save:



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



Connect.