

Billing Configuration for Multi-Tenant Accounts in CloudCheckr CMx

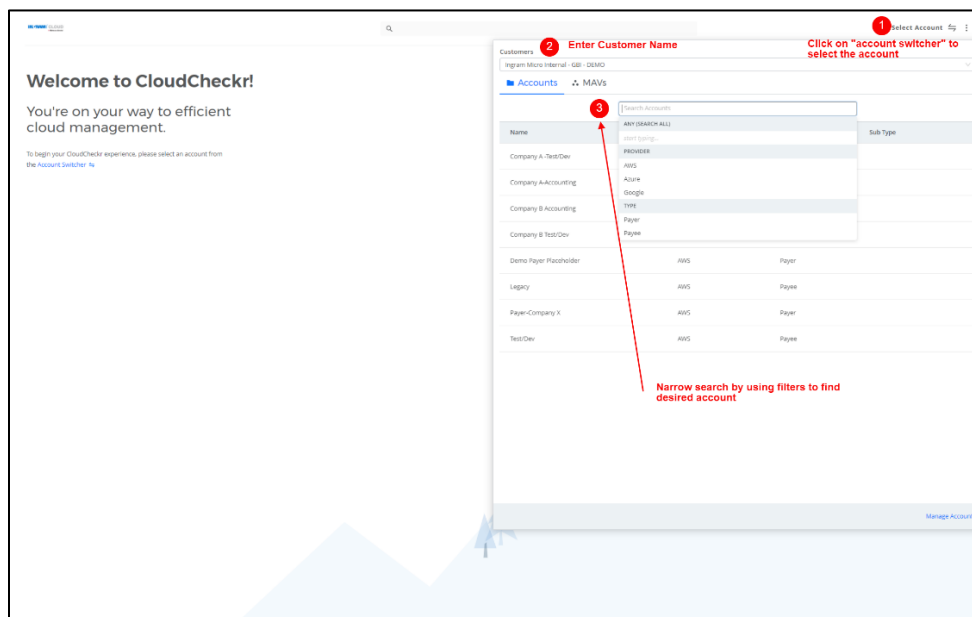
Billing Configuration in CloudCheckr CMx for Multi-Tenant Payer Accounts

As a reseller or managed services provider (MSP), you likely have a Payer account with multi-tenants or multiple end users. To be sure that all customers are invoiced for the correct price, the first step needed is to configure the foundational billing rules in CloudCheckr CMx. By doing this, it paves the way for more accurate billing to the end customer, ensures benefits like reserved instances and tiered rates are correctly applied, and also maximizes margin opportunity.

To start this process, you must be in a Payer Account.

- Once you have logged into CloudCheckr CMx, use the Account Switcher icon to select an account.
- Enter Account Name
- Click in search field to filter your search, ex: "AWS" "Payer" or name of the account

If you have multiple Payer accounts, it is critical to configure each Payer account individually.



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The “Type” column will designate whether the account is a Payer account or a Payee account.

Click on the name of the account to be taken to the home page for the selected Payer account.

Customers
Ingram Micro Internal - GBI - DEMO

Accounts MAVs

Type: Payer x Provider: AWS x

Name	Provider	Type	Sub Type
Demo Payer Placeholder	AWS	Payer	
Payer-Company X	AWS	Payer	

Click on the Payer Account of your choice

The "Type" column will tell you if you have a Payer Account or a Payee Account

NOTE: If the Billing icon is not viewable, it is an indication you are not in a payer account.

INGRAM MICRO CLOUD

Dashboards Best Practices Cost Savings

Payer-Company X Overview

+ NEW

Total Monthly Cost by Service
Last 6 months

Amazon Elasticsearch Service AWS Glue AWS Support (Business) Amazon Elastic Compute Cloud
AmazonCloudWatch AWS Directory Service Amazon Simple Storage Service Other

Billing Icon

- Click on **Billing > Configure > Configure Custom Cost**

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On the Configure Custom Cost page, you will see the option to make selections on different tabs.

- Cost Type
- Amortization
- Cost Allocation
- Volume Discount
- Tier Compression

COST TYPE

Leave this as **“Unblended Cost”** (the default option)

The screenshot shows the 'Configure Custom Cost' page. The 'Cost Type' tab is active. Under the 'Cost Type' section, there are two radio buttons: 'Unblended Cost' (selected) and 'Blended Cost'. A blue arrow points to the 'Unblended Cost' radio button with the text 'This should be "Unblended Cost"'. The page also features a 'Save Changes' button and a 'Show Help' link.

AMORTIZATION

Under Reserved Instance Amortization, leave this as **“None”** (the default option)

Under Savings Plans Amortization, leave this as **“None”** (the default option)

The screenshot shows the 'Configure Custom Cost' page with the 'Amortization' tab selected. There are two main sections: 'Reserved Instance Amortization' and 'Savings Plans Amortization'. In the 'Reserved Instance Amortization' section, the 'None' radio button is selected, and a blue arrow points to it with the text 'This should be none'. Below it are three other options: 'Amortize upfront costs by proportional payee hourly usage', 'Simple monthly amortization', and 'On-demand amortization cap'. In the 'Savings Plans Amortization' section, the 'None' radio button is also selected, with a blue arrow pointing to it and the text 'This should be none'. Below it are three other options: 'Amortize upfront costs by proportional hourly usage', 'Simple monthly amortization', and 'On-demand amortization cap'. The page includes a 'Save Changes' button and a 'Show Help' link.

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COST ALLOCATION

There are options for both Reserved Instance Cost Allocation and also Savings Plan Cost Allocation.

Under Reserved Instance Cost Allocation, select “**RI Unsharing**” for multi-tenant (the third option). When RI Unsharing is enabled, it prevents Amazon from applying unused reserved instances to accounts that did not purchase them. The process of applying unused RIs is a native Amazon feature that can help lower net cost; however, it will make it difficult to bill the end-user for what they actually used.

Choose “**RI Purchasing Account Based Allocation**” if you want RI Charges applied to the account that purchased the RIs. Choose “**RI Consuming Account Based Allocation**” if you want the RI charges applied to the consuming account. The distinction of *purchasing* account versus *consuming* account is indicated in the billing file.

There are several options for how CloudCheckr unshares reserved instances

- **Unshare RIs for all AWS Accounts:** This is the option that most resellers choose when hosting multi-tenant accounts. This option allows CloudCheckr to use the information in the Cost and Usage report (CUR) to determine ownership of RIs and apply them to the account that purchased them
 - Please note that when accounts are in the same Account Family, they can share RIs amongst themselves – as if they were on their own consolidated bill.
- **Unshare RIs for selected AWS Accounts:** This option is for when the reseller only want certain accounts within the Account Family to unshare RIs and leave the other accounts out of that calculation.
 - If you choose this option, make sure that you maintain accurate Account Families
- **Unshare RIs for credentialed AWS Accounts:** Choosing this option means that the reseller is telling Cloudcheckr to only deal with accounts that have been credentialed. Selecting this option may result in underbilling your end users.

While it is not *required* to credential accounts for “**Unsharing RIs for All AWS Accounts**” to work, it is still recommended that you credential **ALL** your accounts to ensure the most accurate billing

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Reserved Instance Cost Allocation

AWS allows Reserved Instances (RIs) to be shared across a consolidated bill. Our application can modify how the RIs are billed to individual accounts to reflect your business model.

☐ RI Purchasing Account Based Allocation
RI charges applied to the purchasing account, as indicated in the billing file.

☐ RI Consuming Account Based Allocation
RI charges applied to the consuming account, as indicated in the billing file.

☒ **RI Unsharing** ← **"RI Unsharing" is ideal for multi-tenant end user accounts**
AWS allows Reserved Instances (RIs) to be shared across consolidated billing families. Our application can unshare RIs that do not belong to the account family and instead charge the On-Demand rate. RI Unsharing allows RI charges to be charged to On-Demand.

☒ **Unshare RIs for all AWS Accounts** ← **Most common choice for Resellers**
Changes all usage to On-Demand rate for EC2 (Reserved) (Elasticache, unless the RI is purchased specifically in the payer account it is used in. If the payer is within an account family, the RI benefit may be awarded across multiple accounts within the family. If the payer account is not separately credited within our application, the benefit may be awarded to On-Demand rate if ownership of the RI cannot be determined by the billing file.

☐ Unshare RIs for selected AWS Accounts
Customer 2
Customer 1
Customer 3

☐ Unshare RIs for credit-eligible AWS Accounts
If a payer account is not separately credited within our application, all RI charges for that account will match costs from within the AWS Detailed Billing Report and no RI Unsharing will take place.

SAVING PLAN COST ALLOCATION:

Select **"SP Unsharing"** as this option modifies how Savings Plans are billed so that they are not applied to accounts that do not own them, but does apply them with an account family. This is the best choice for payers with multiple end-users.

Selecting **"Use Deallocation"** is also an option to not share Savings Plans with any account that did not purchase them.

Savings Plan Cost Allocation

AWS allows Savings Plans (SPs) to be shared across a consolidated bill.

Deallocation can modify how the SPs are billed to individual accounts to reflect your business model.

☐ Use what AWS sends in the CUR

Savings Plan Discounts (negations) are applied based on how AWS published them to the cost and usage report.

☐ Use Deallocation

Savings Plan Discounts (negations) line items are removed from accounts that are not the purchaser of the savings plan.

☒ **SP Unsharing** ← **This should be "SP Unsharing"**

AWS allows Savings Plans (SPs) to be shared across the Consolidated Billing Accounts.

Our application can remove the Savings Plan Discounts (negations) line items for the selected account families from the consumer accounts that are not the purchaser of the savings plan, or within the account family of the purchaser.

If the purchaser is within an account family, the SP benefit may be awarded across multiple accounts within the family.

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VOLUME DISCOUNT

Under Enforce EC2 Standard Reserved Instance Volume Discounts on Account Families, if you choose to enable this feature, it will reverse any RI volume discounts that are given for the consolidated billing family but may not be due for the account family. In AWS, if you have over \$500,000 worth of standard RIs in a single region, AWS offers an additional discount.

Configure Custom Cost [Show Help](#)

[Save Changes](#)

Cost Type Amortization Cost Allocation **Volume Discount** Tier Compression

Enforce EC2 Standard Reserved Instance Volume Discounts on Account Families

In list cost, you can adjust any Reserved Instance Volume Discounts to reflect the purchases for the Account Family. This will reverse out any RI Volume Discounts that are given for the Consolidated Billing family but may not be due for the Account Family. This feature will give the volume discounts if the Account Family meets the volume discount levels.

For more details, see Amazon EC2 Standard Reserved Instance Volume Discounts on the page <https://aws.amazon.com/ec2/pricing/reserved-instances/pricing/>.

☒ Enabled [← This should be "Enabled"](#)

TIER COMPRESSION

If you choose to enable this feature, CloudCheckr can uncompress these pricing tiers to provide a more accurate custom cost to ensure that individual accounts will not gain any unintentional discounts (for S3 Data transfer and CloudFront). This can create a nominal amount of margin for you.

Configure Custom Cost [Show Help](#)

[Save Changes](#)

Cost Type Amortization Cost Allocation Volume Discount **Tier Compression**

Uncompress Pricing Tiers

AWS creates tiered pricing across consolidated billing families. CloudCheckr can uncompress these pricing tiers to present a custom cost that is more accurate for billing individual accounts.

☒ Enabled [← This should be "Enabled"](#)

SAVE CHANGES

Remember to click on Save to save your selections.

Configure Custom Cost [Show Help](#)

[Save Changes](#)

Once you have saved your selections, CloudCheckr will use these foundational billing roles moving forward.

This configuration process is a one-time setting. There is no need to come back and make changes to this page *unless* the business model changes for the accounts contained within this payer.



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When you make changes to the cost configuration, it will only be applied against future data. You will need to reprocess billing for the previous months to apply the custom charges.