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# v21 Release Notes



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Auto-generated at July 16, 2024

Release Date: **October 20, 2020**

This release brings improved performance, better stability, smoother workflows, and a richer user experience on CloudBlue Connect.

## **1. CloudBlue Connect Platform**

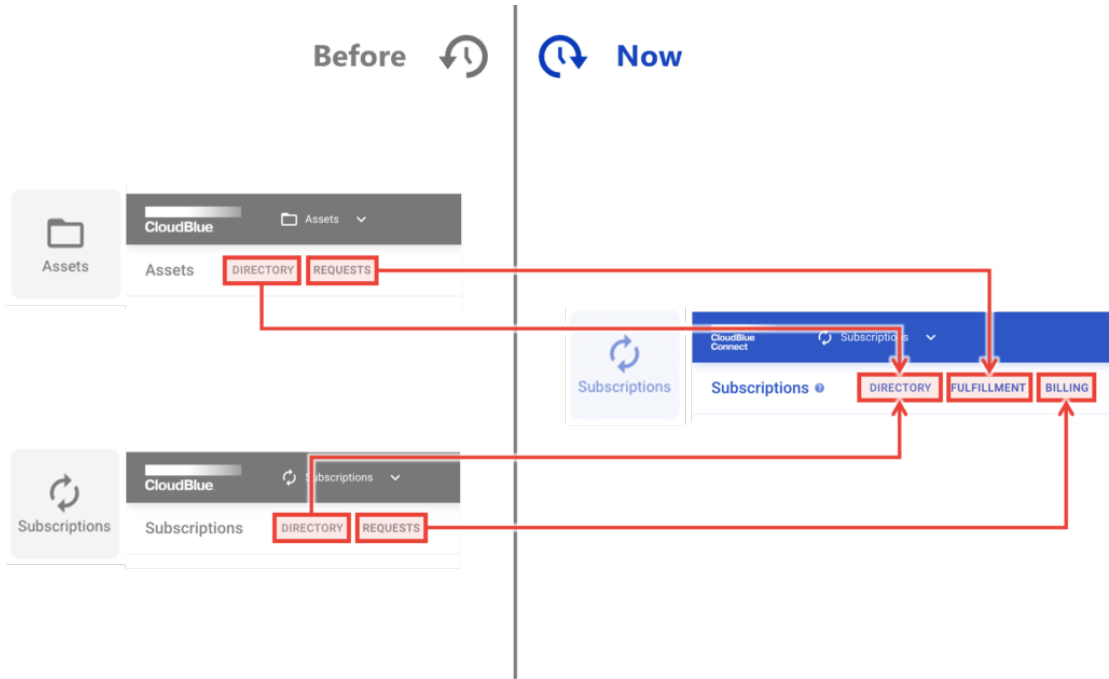
### **1.1 Unified Subscriptions Management Module**

Everything related to subscriptions is now easily accessible in the unified Subscriptions Management Module:

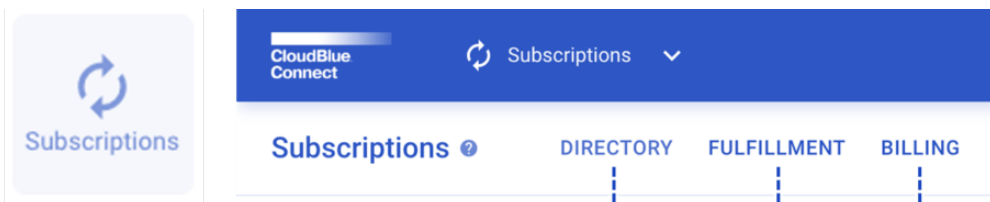


SUBSCRIPTION	PRODUCT	MARKETPLACE	CUSTOMER	PERIOD	NEXT BILLING	CREATED	STATUS
AS-9862-6338-9476 Test External ID: J9BYYAV67F	Product A1 PRD-274-011-100	Worldwide Market MP-71206		1 month	—	07/07/2020 8:58 AM	Processing
AS-5506-8195-1477 Test External ID: 2020-03-19-000070	jamf PRD-131-334-841	Worldwide Market MP-71206		1 month	10/19/2020 10:38 AM	03/19/2020 10:36 AM	Active
AS-639-281-550-3 Test External ID: 2019-10-10-000069	jamf PRD-131-334-841	Worldwide Market MP-71206		1 month	11/10/2020 8:51 PM	10/10/2019 8:44 PM	Active
AS-671-900-653-1 Test External ID: 2019-06-12-000050	PPU Service1 PRD-266-735-014	Worldwide Market MP-71206		Perpetual	—	06/12/2019 4:56 AM	Terminated
AS-333-819-264-7 Test External ID: 2019-04-24-000021	Microsoft Office 3 PRD-144-835-740	ACME Marketplace MP-00000		1 month	—	04/26/2019 12:30 PM	Processing
AS-259-103-181-9 Test External ID: 2019-04-26-000035	Microsoft Office 3 PRD-144-835-740	ACME Marketplace MP-00000		1 month	—	04/28/2019 8:56 AM	Processing
AS-648-185-349-7 Test External ID: 2019-05-10-000045	Microsoft Office 3 PRD-144-835-740	Worldwide Market MP-71206		1 month	—	05/10/2019 2:26 PM	Processing
AS-467-842-926-6 Test External ID: 2019-04-30-000041	Microsoft Office 3 PRD-144-835-740	ACME Marketplace MP-00000		1 month	—	04/30/2019 12:06 PM	Processing
AS-266-266-870-7 External ID: 2019-11-06-000003	Microsoft CSP O PRD-837-266-411	Malaysia-0365 MP-04637		1 month	—	11/06/2019 9:56 AM	Terminated
AS-991-148-341-3 External ID: 2019-11-06-000002	Microsoft CSP O PRD-837-266-411	Malaysia-0365 MP-04637		1 month	—	11/06/2019 8:28 AM	Terminated

Users no longer have to go to separate modules to manage active subscriptions and assets.



All available subscriptions, assets, fulfillments, and billing requests are located within the Subscription module.



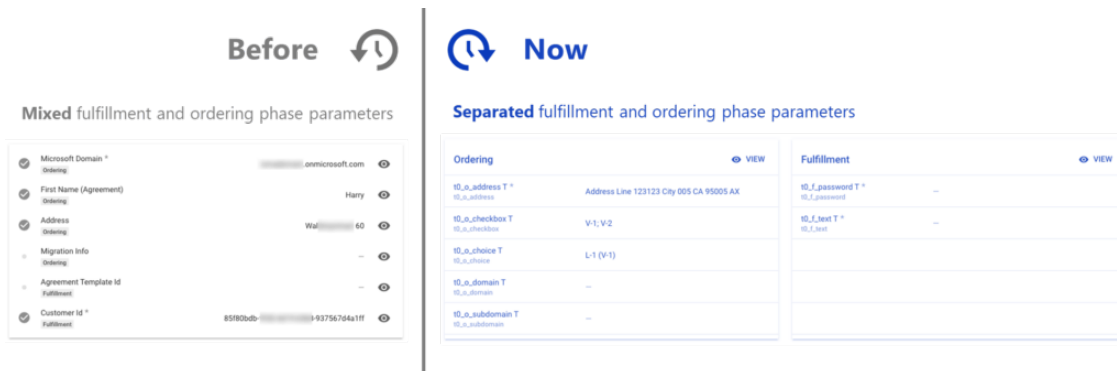
List of subscriptions

List of fulfillment requests  
(purchase, change, cancel, etc.)

List of billing requests  
(monthly, yearly, etc.)

### 1.2 Streamlined ordering and fulfillment parameters view

Optimized parameter view for easier discovery and action.



The Parameters tab within the subscriptions and fulfillment requests will now have two clear sections, showing the Ordering and Fulfillment phase parameters separately.



CloudBlue Connect Subscriptions

Subscription details

Status: Processing | Subscription: AS-1777-5818-0971 | Request In Progress: - | Product: October 12 | Marketplace: Demo Marketplace

CONTROL PANEL RESERVATION PAY AS YOU GO PARAMETERS DETAILS TIERS FULFILLMENT BILLING

Subscription AS-1777-5818-0971 **Separated fulfillment and ordering phase parameters**

Ordering	Fulfillment
t0_o_address T * t0_o_address Address Line 123123 City 005 CA 95005 AX	t0_f_password T * t0_f_password -
t0_o_checkbox T t0_o_checkbox V-1; V-2	t0_f_text T * t0_f_text -
t0_o_choice T t0_o_choice L-1 (V-1)	
t0_o_domain T t0_o_domain -	
t0_o_subdomain T t0_o_subdomain -	

CloudBlue Connect is an end-to-end supply automation platform, version 21.0.855-q38c923b

### 1.3 Extended support for subscription periods

Vendors can now configure items that require **multi-year billing periods** to multiple years (1-5 years).

		Commitment Periods					
		1 month	1 year	2 years	3 years	4 years	5 years
Billing Periods	1 month	x1	x12	x24	x36	x48	x60
	1 year	n/a	x1	x2	x3	x4	x5
	2 years	n/a	n/a	x1	n/a	x2	n/a
	3 years	n/a	n/a	n/a	x1	n/a	n/a
	4 years	n/a	n/a	n/a	n/a	x1	n/a
	5 years	n/a	n/a	n/a	n/a	n/a	x1

x1 = "No Commitment"

Create Item – Step 2

General

Billing Period: Monthly

2 Type

Commitment: No Commitment

Unit: Units

CANCEL BACK CREATE

Before 

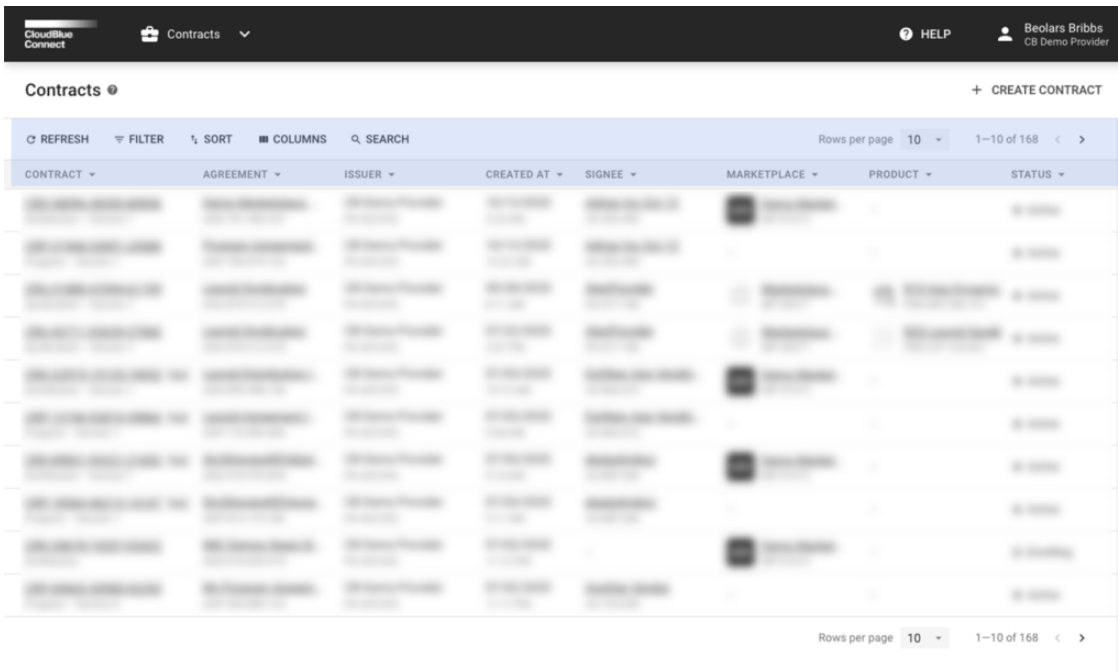
 Now

		Commitment Periods					
		1 month	1 year	2 years	3 years	4 years	5 years
Billing Periods	1 month	x1	x12	x24	x36	x48	x60
	1 year	n/a	x1	x2	x3	x4	x5
	2 years	n/a	n/a	x1	n/a	x2	n/a
	3 years	n/a	n/a	n/a	x1	n/a	n/a
	4 years	n/a	n/a	n/a	n/a	x1	n/a
	5 years	n/a	n/a	n/a	n/a	n/a	x1

“One-time” has also been renamed to “Perpetual”.

### 1.4 New lists management experience

Users can now leverage the **new lists experience** applied to all existing modules of the CloudBlue Connect:





CloudBlue Connect Contracts HELP Beolars Bribbs CB Demo Provider

Contracts + CREATE CONTRACT

REFRESH FILTER SORT COLUMNS SEARCH Rows per page 10 1-10 of 168

CONTRACT	AGREEMENT	ISSUER	CREATED AT	SIGNEE	MARKETPLACE	PRODUCT	STATUS

Rows per page 10 1-10 of 168

CloudBlue Connect Contracts HELP Beolars Bribbs CB Demo Provider

Contracts + CREATE CONTRACT

REFRESH FILTER SORT COLUMNS SEARCH Rows per page 10 1-10 of 168

CONTRACT	AGREEMENT	ISSUER	CREATED AT	SIGNEE	MARKETPLACE	PRODUCT	STATUS

Rows per page 10 1-10 of 168

Where Contract Search for name or ID

And Agreement Search for name or ID

And Issuer Search for name or ID

+ ADD FILTER X RESET FILTERS CLOSE



CloudBlue Connect Contracts ▾ HELP Beolars Bribbs CB Demo Provider

Contracts ● + CREATE CONTRACT

REFRESH FILTER 3 SORTS APPLIED COLUMNS SEARCH Rows per page 10 1-10 of 168

CONTRACT ↑	SIGNEE ↓	MARKETPLACE ▾	PRODUCT ▾	STATUS ▾
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...

Rows per page 10 1-10 of 168

**Sorts Applied:** Contract (Ascending), Signee (Descending), Issuer (Ascending)

CloudBlue Connect Contracts ▾ HELP Beolars Bribbs CB Demo Provider

Contracts ● + CREATE CONTRACT

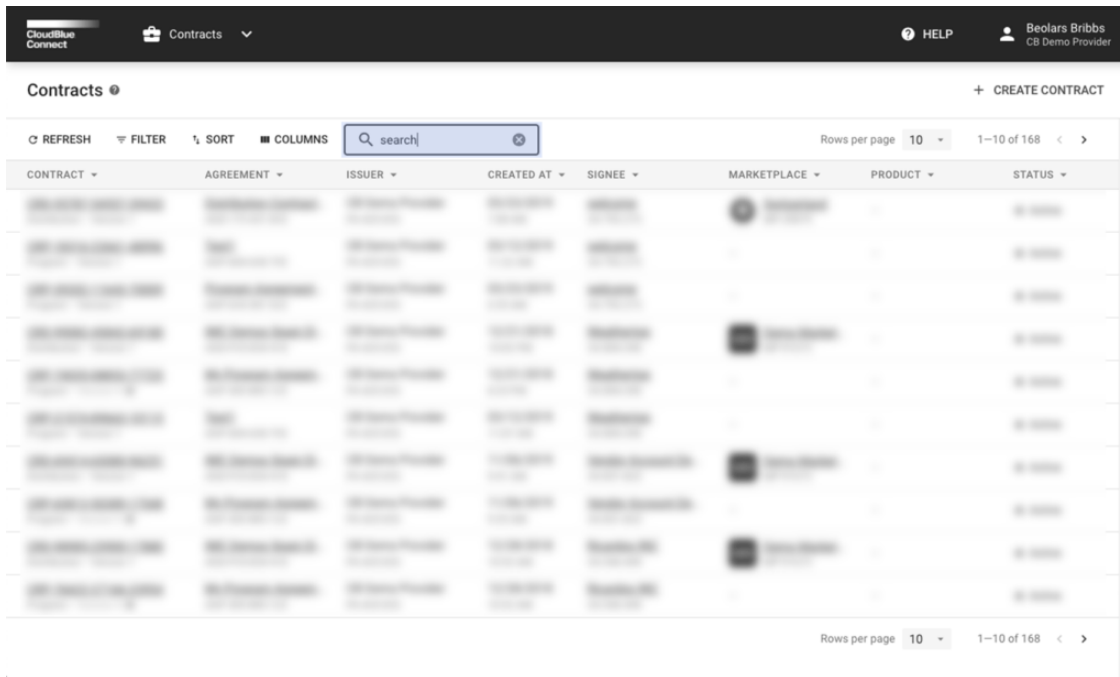
REFRESH FILTER SORT COLUMNS SEARCH Rows per page 10 1-10 of 168

CONTRACT ▾	AGREEMENT	SIGNEE ▾	MARKETPLACE ▾	PRODUCT ▾	STATUS ▾
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...

Rows per page 10 1-10 of 168

**Columns:** Contract, Agreement, Issuer, Created At, Signee, Marketplace, Product, Status





The screenshot shows the 'Contracts' page in the CloudBlue Connect portal. At the top, there's a navigation bar with 'Contracts' and a '+ CREATE CONTRACT' button. Below that, a table header includes 'REFRESH', 'FILTER', 'SORT', 'COLUMNS', a search bar, and pagination controls ('Rows per page 10', '1-10 of 168'). The table columns are: CONTRACT, AGREEMENT, ISSUER, CREATED AT, SIGNED, MARKETPLACE, PRODUCT, and STATUS. The table contains several rows of contract data. At the bottom right, there are more pagination controls ('Rows per page 10', '1-10 of 168').

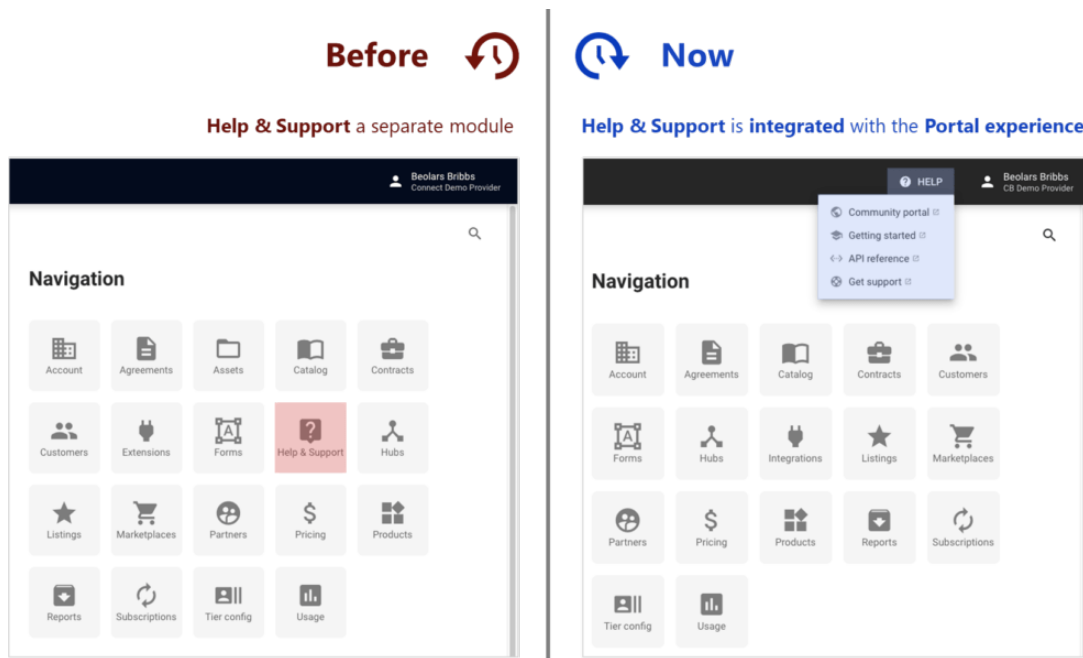
Allowing users to:

1. Apply **multiple filters**
2. Apply **multiple sorting** rules
3. **Select** visible **columns**
4. **Refresh** table contents without reloading the whole page

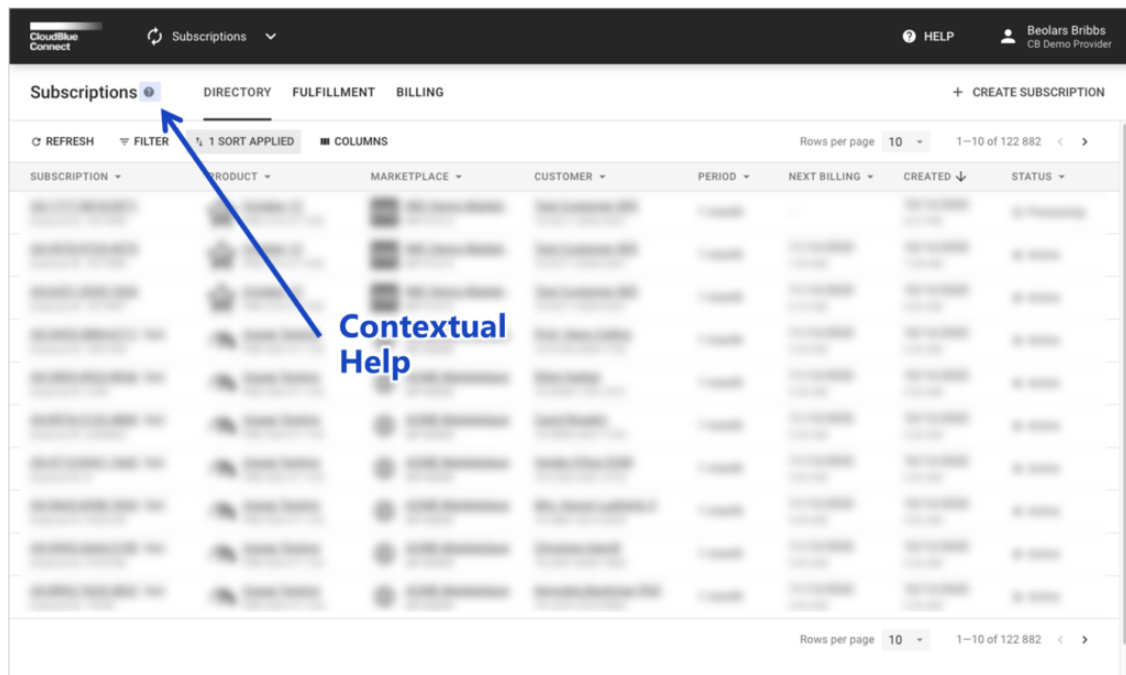
Making overall data **exaction and analysis** simpler and more efficient across various modules and scenarios.

## 1.5 New Help and Support Experience

Help and Support are now available anywhere within the Connect Portal. Users can now find the **persistent Help and Support links** anywhere within the Portal through the navigation bar.

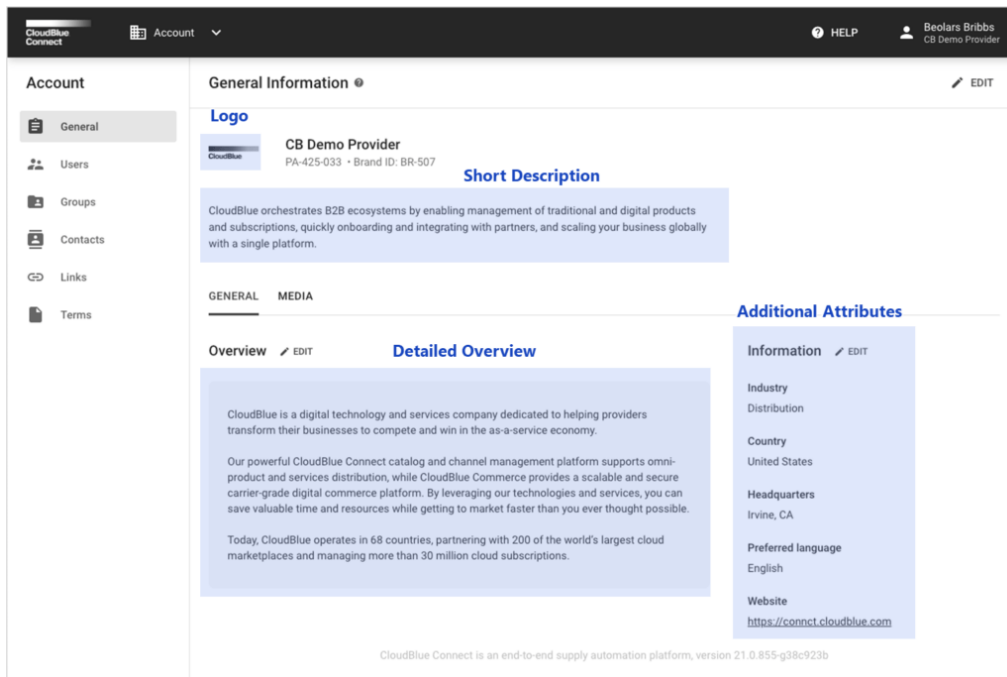


Additionally, Connect now displays contextual help links directly to the module headings to help users better access documentation as it relates to the module they are in.



### 1.6 Additional account attributes

Accounts can now input **additional company details** and attributes in the Account Module to help partners **better identify company information** in the Partners Module.



New company attributes include:

1. Logo
2. Overview
3. Industry
4. Country
5. Headquarters
6. Preferred language
7. Website

## 1.7 New Command Line Interface (CLI)

The CloudBlue Connect Command Line Interface (CLI) is a unified tool to perform various automation scenarios. With just one tool, you can control multiple Connect modules from the command line and automate them through scripts.

The Connect CLI tool is published under an open-source license and can be found on our GitHub page.

### 1.7.1 Mass Management of Product Items

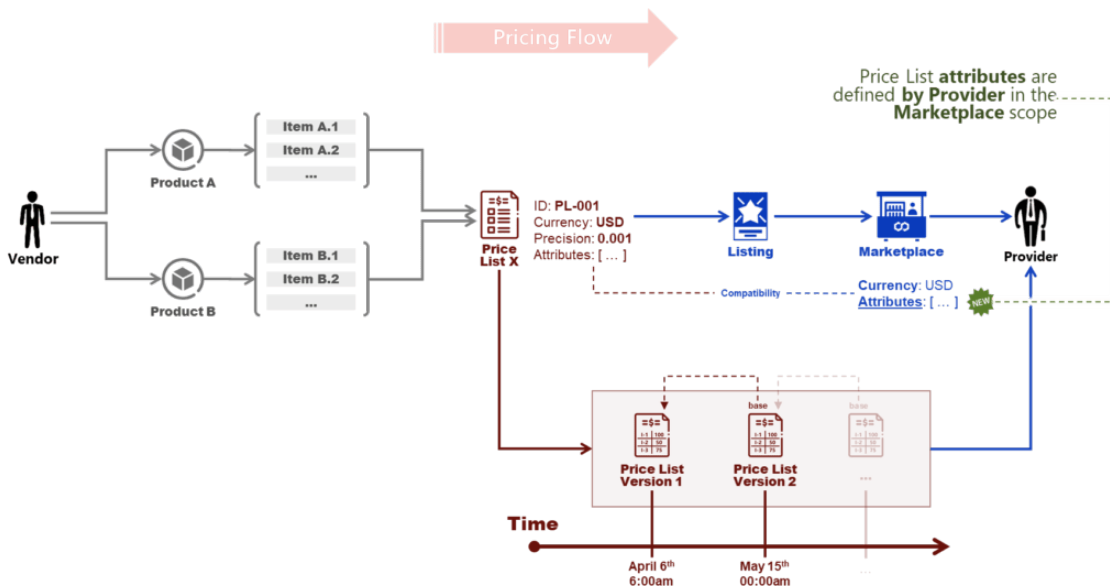
With this initial release, the CLI tool supports **mass management (import and export)** of Product **Items** and related product information. This is helpful for users that have extensive SKU lists and wish to automate the configuration process.

```
$ ccli product export PRD-000-000-000
$ ccli product sync PRD-000-000-000.xlsx
```

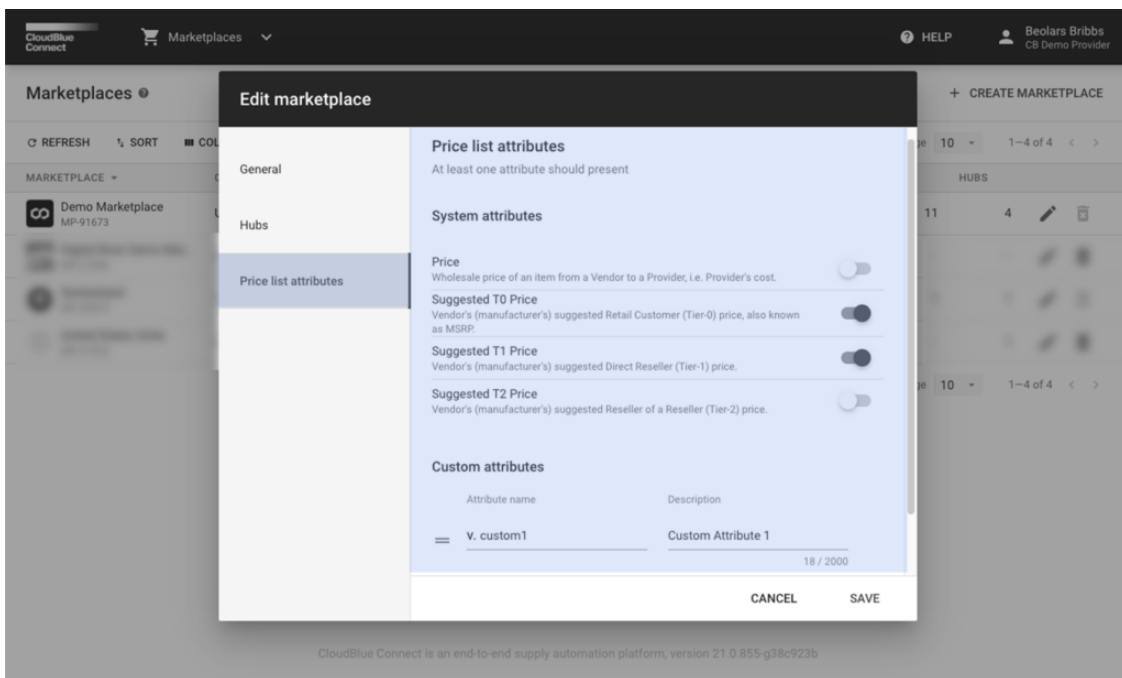
Please refer to GitHub page or built-in help for details.

### 1.8 Price List attributes managed by Providers in the Marketplace scope

Marketplace attributes details are now enforced in the Price lists submitted to that marketplace.



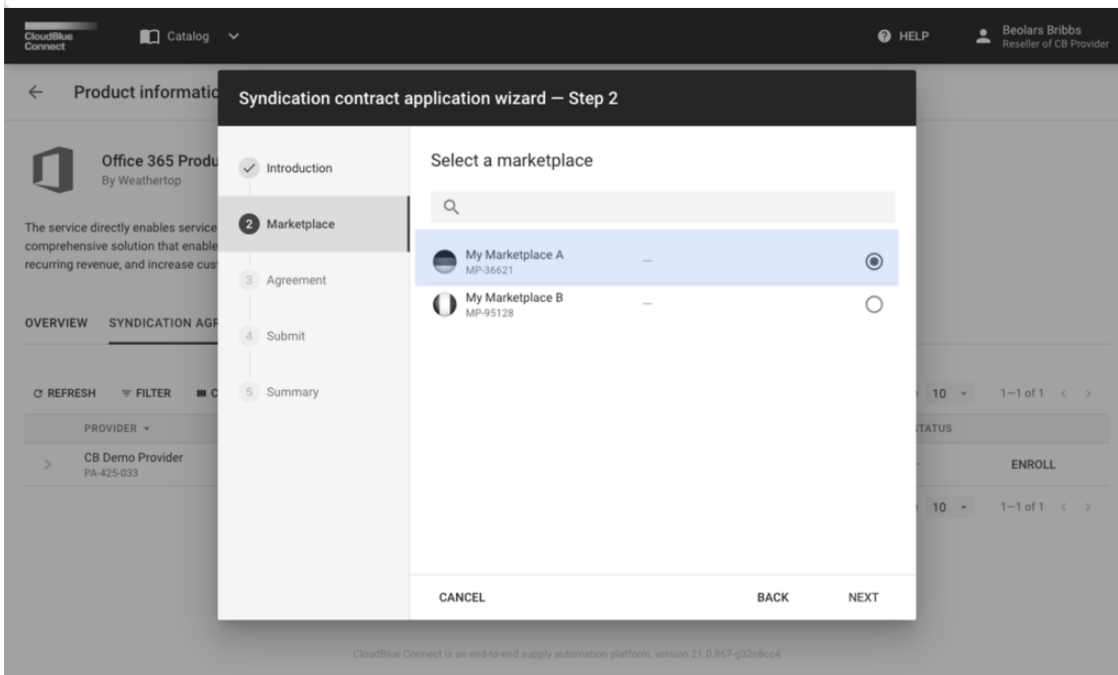
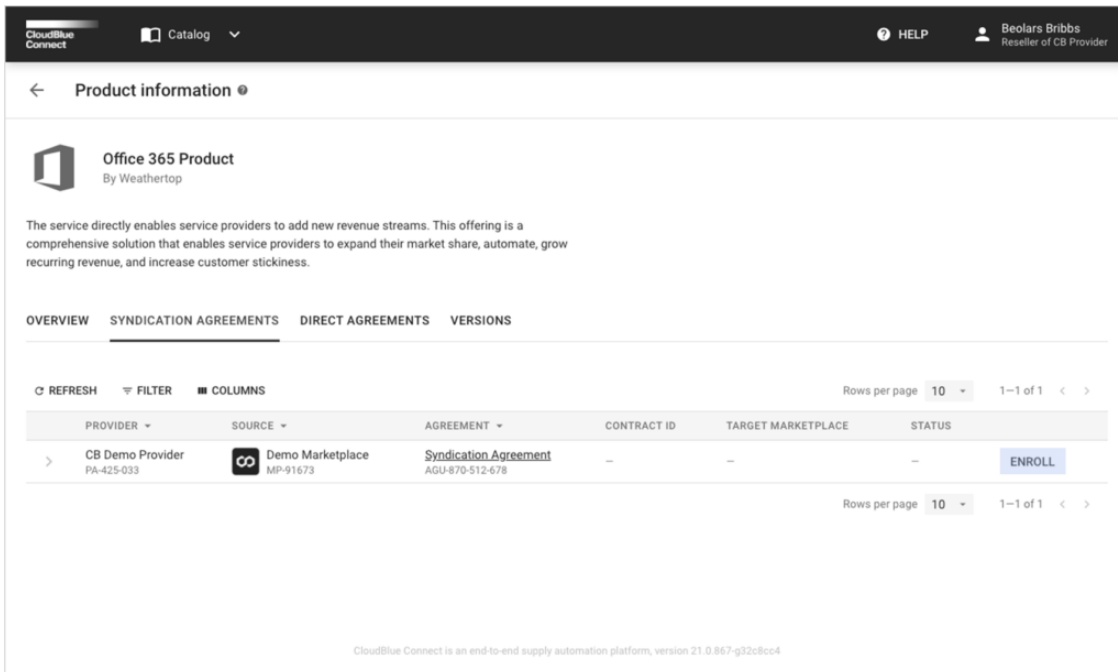
These attributes are defined by Providers in the Marketplace details:





## 1.9 Multiple syndication contracts linked to the same source marketplace

Providers can now create **multiple syndication contracts** to the **same source marketplace**.





CloudBlue Connect Catalog HELP Beolars Bribbs Reseller of CB Provider

Product information

### Office 365 Product

By Weathertop

The service directly enables service providers to add new revenue streams. This offering is a comprehensive solution that enables service providers to expand their market share, automate, grow recurring revenue, and increase customer stickiness.

OVERVIEW **SYNDICATION AGREEMENTS** DIRECT AGREEMENTS VERSIONS

REFRESH FILTER COLUMNS Rows per page 10 1-1 of 1

PROVIDER	SOURCE	AGREEMENT	CONTRACT ID	TARGET MARKETPLACE	STATUS
CB Demo Provider PA-425-033	Demo Marketplace MP-91673	Syndication Agreement AGU-870-512-678	CRU-72118-08243-43964 Version 1	My Marketplace A MP-36621	Pending MORE

Rows per page 10 1-1 of 1

CloudBlue Connect is an end-to-end supply automation platform, version 21.0.867-g32c8cc4

CloudBlue Connect Catalog HELP Beolars Bribbs Reseller of CB Provider

Product information

### Office 365 Product

By Weathertop

The service directly enables service providers to add new revenue streams. This offering is a comprehensive solution that enables service providers to expand their market share, automate, grow recurring revenue, and increase customer stickiness.

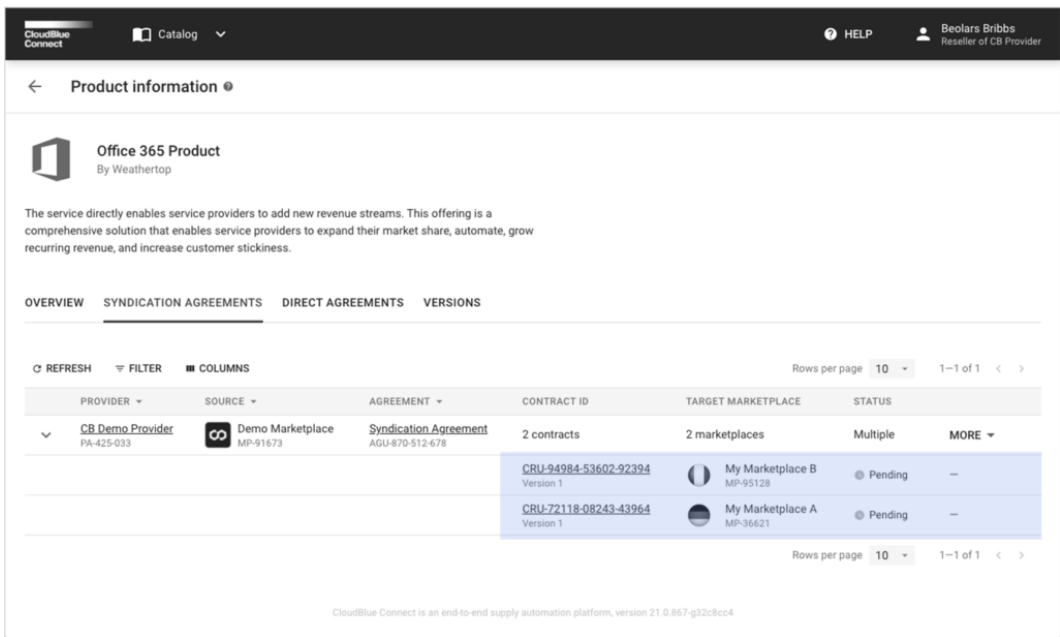
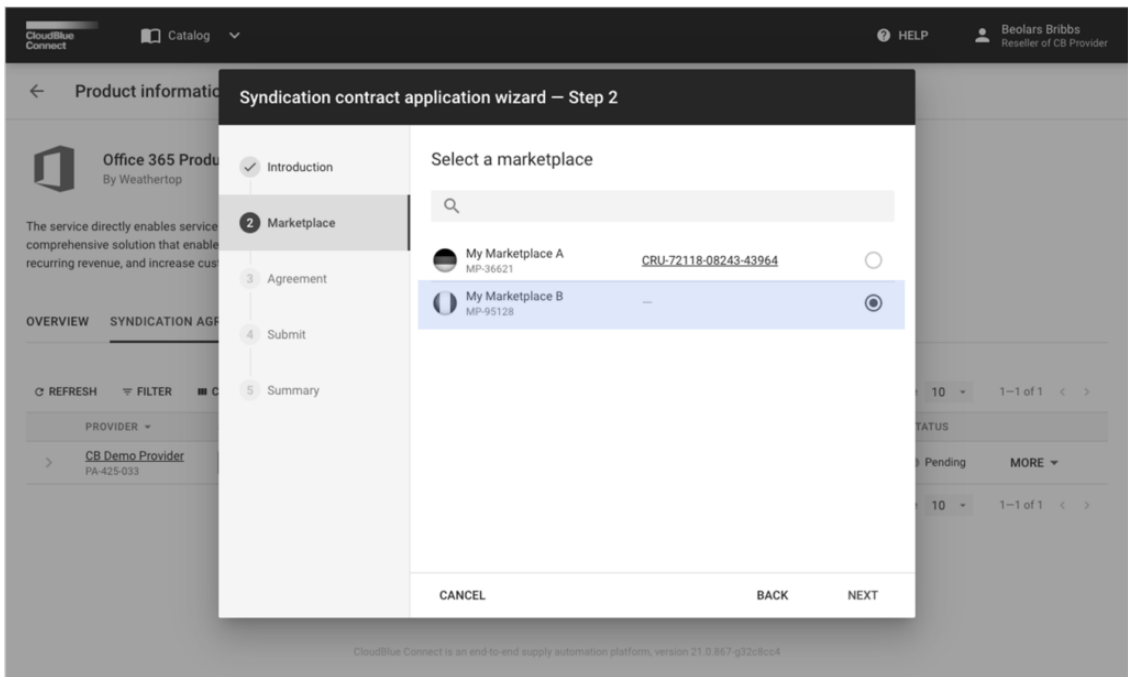
OVERVIEW **SYNDICATION AGREEMENTS** DIRECT AGREEMENTS VERSIONS

REFRESH FILTER COLUMNS Rows per page 10 1-1 of 1

PROVIDER	SOURCE	AGREEMENT	CONTRACT ID	TARGET MARKETPLACE	STATUS
CB Demo Provider PA-425-033	Demo Marketplace MP-91673	Syndication Agreement AGU-870-512-678	CRU-72118-08243-43964 Version 1	My Marketplace A MP-36621	Enroll additional contract

Rows per page 10 1-1 of 1

CloudBlue Connect is an end-to-end supply automation platform, version 21.0.867-g32c8cc4



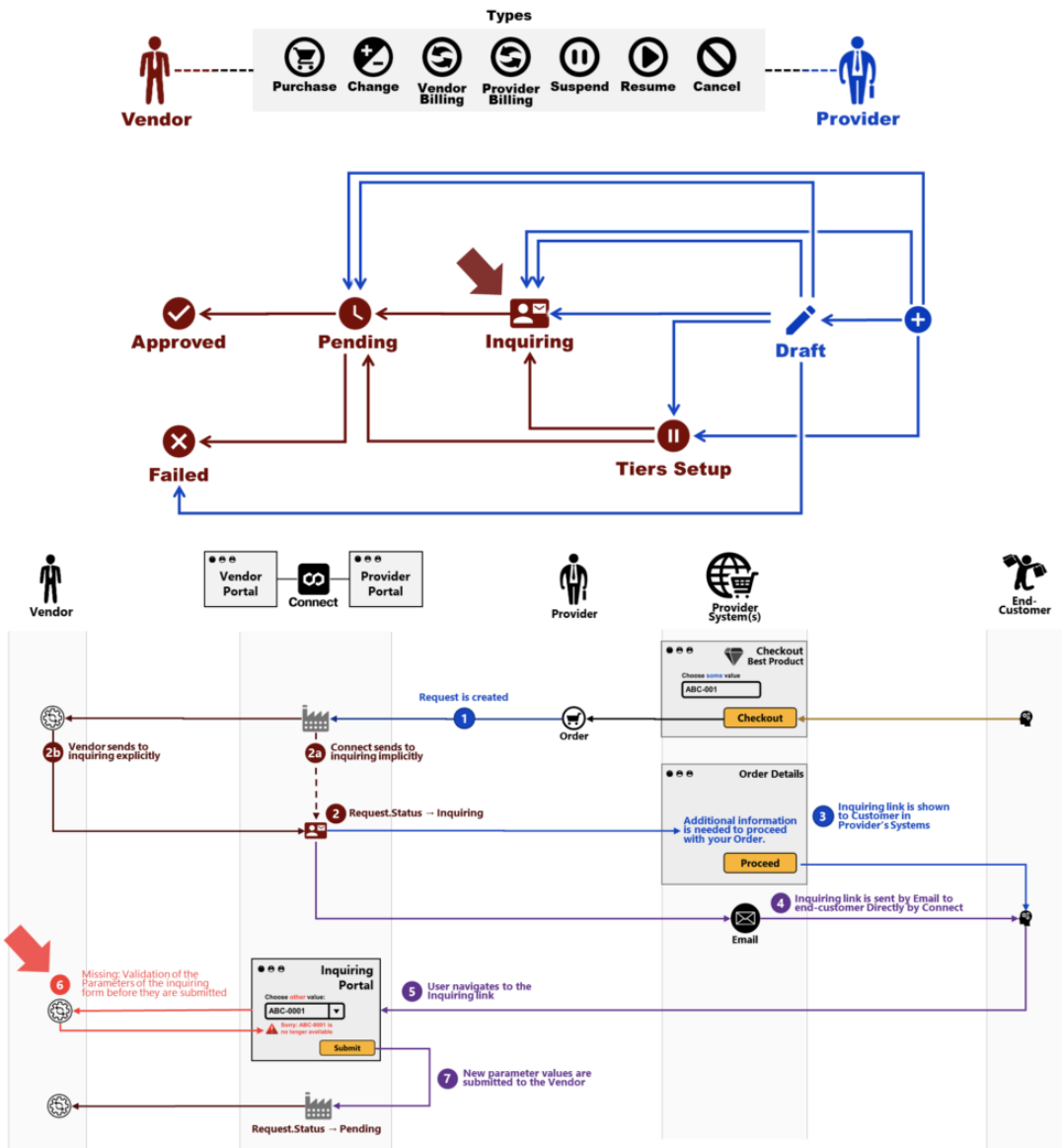
This will allow for more flexible syndication consumption scenarios.

### 1.10 New Capability and Webhook to support Real-time validation of inquiring forms

Vendors now can use **real-time validation** of parameters in the **inquiring** form during the checkout phase such, as a partner ID, address, and many more.

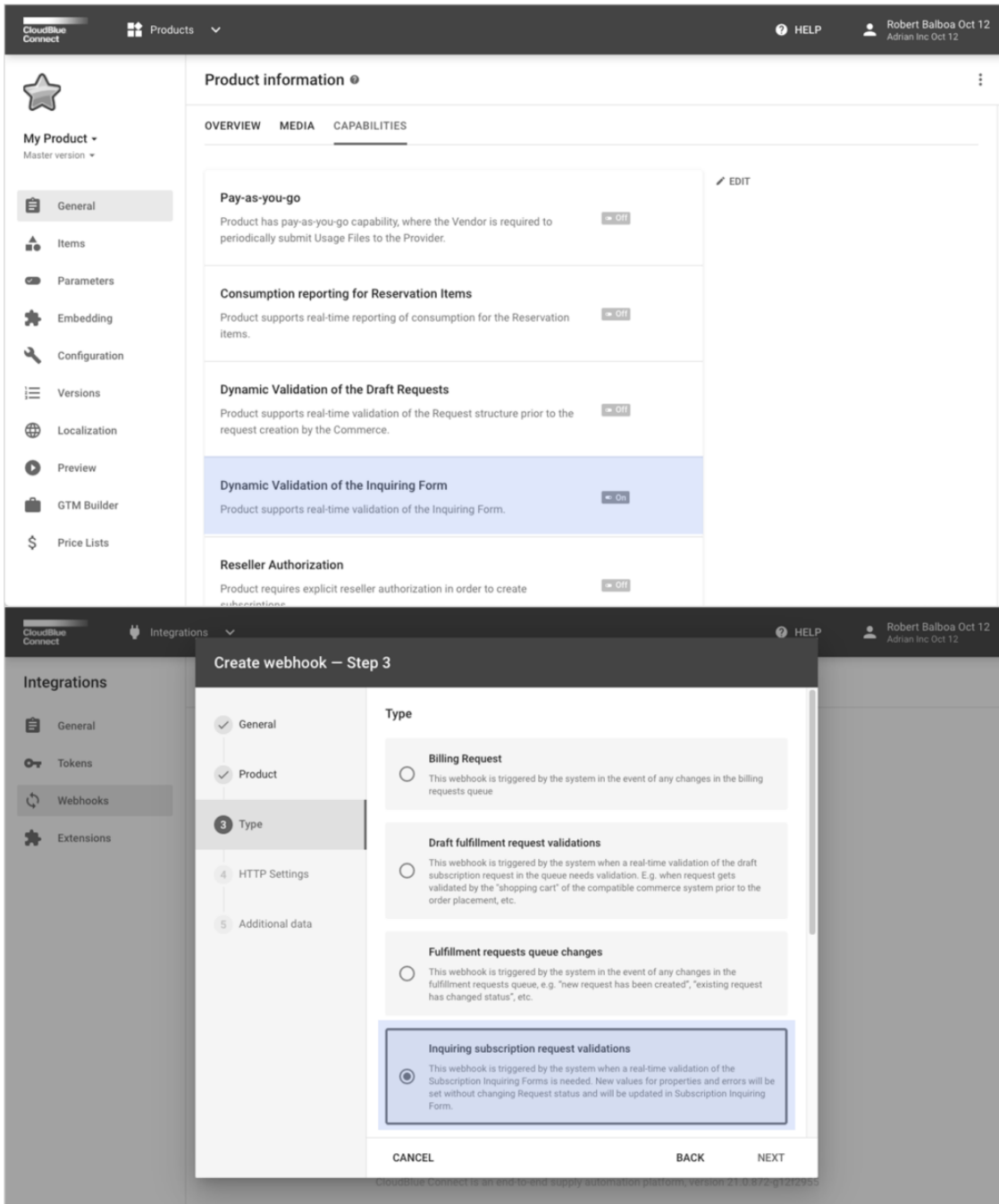
## Subscription Request

ID Format: PR-1234-1234-1234-123



New Capability and corresponding webhook has been added to the Product definition and Integration Webhooks.





The screenshot displays the CloudBlue Connect user interface. The top navigation bar includes the CloudBlue Connect logo, a 'Products' dropdown menu, a 'HELP' icon, and a user profile for Robert Balboa (Adrian Inc) dated Oct 12. The main content area is titled 'Product information' and features tabs for 'OVERVIEW', 'MEDIA', and 'CAPABILITIES'. The 'CAPABILITIES' tab is active, showing a list of product features with toggle switches:

- Pay-as-you-go**: Product has pay-as-you-go capability, where the Vendor is required to periodically submit Usage Files to the Provider. (Off)
- Consumption reporting for Reservation Items**: Product supports real-time reporting of consumption for the Reservation Items. (Off)
- Dynamic Validation of the Draft Requests**: Product supports real-time validation of the Request structure prior to the request creation by the Commerce. (Off)
- Dynamic Validation of the Inquiring Form**: Product supports real-time validation of the Inquiring Form. (On)
- Reseller Authorization**: Product requires explicit reseller authorization in order to create subscriptions. (Off)

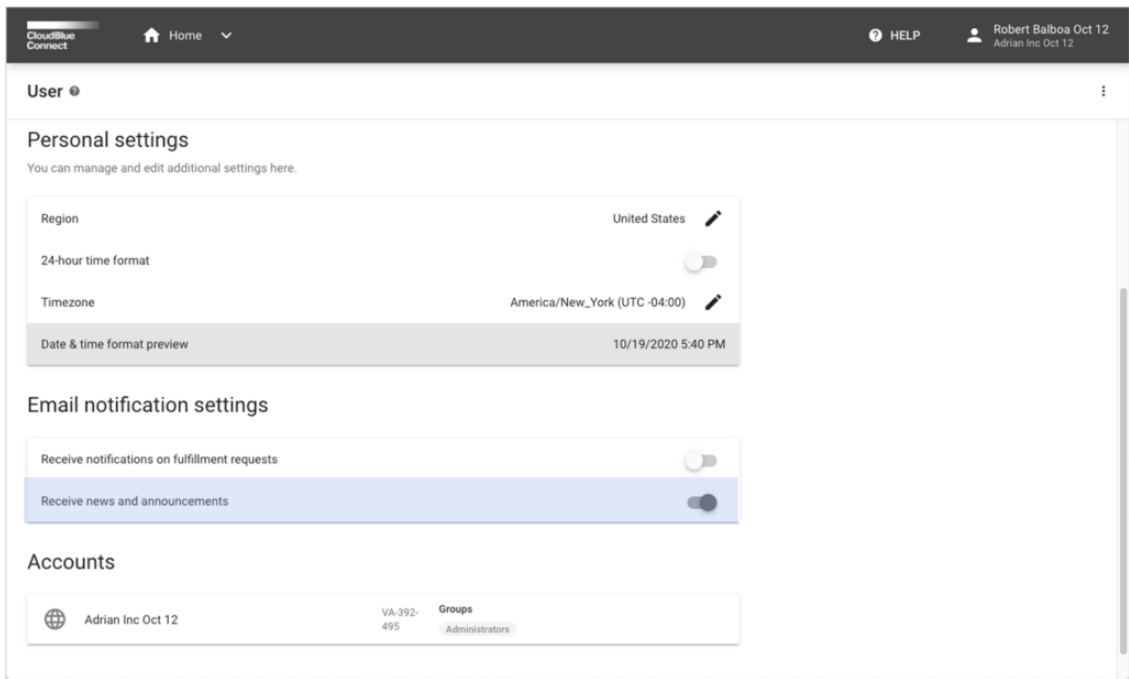
An 'EDIT' button is visible next to the 'Pay-as-you-go' feature. A modal window titled 'Create webhook – Step 3' is overlaid on the interface. The modal has a left sidebar with steps: General, Product, Type (selected), HTTP Settings, and Additional data. The 'Type' section contains four radio button options:

- Billing Request**: This webhook is triggered by the system in the event of any changes in the billing requests queue.
- Draft fulfillment request validations**: This webhook is triggered by the system when a real-time validation of the draft subscription request in the queue needs validation. E.g. when request gets validated by the "shopping cart" of the compatible commerce system prior to the order placement, etc.
- Fulfillment requests queue changes**: This webhook is triggered by the system in the event of any changes in the fulfillment requests queue, e.g. "new request has been created", "existing request has changed status", etc.
- Inquiring subscription request validations**: This webhook is triggered by the system when a real-time validation of the Subscription Inquiring Forms is needed. New values for properties and errors will be set without changing Request status and will be updated in Subscription Inquiring Form. (Selected)

At the bottom of the modal are 'CANCEL', 'BACK', and 'NEXT' buttons. A footer note at the bottom of the screenshot reads: 'Cloudblue Connect is an end-to-end supply automation platform, version 21.0.872-g12f2955'.

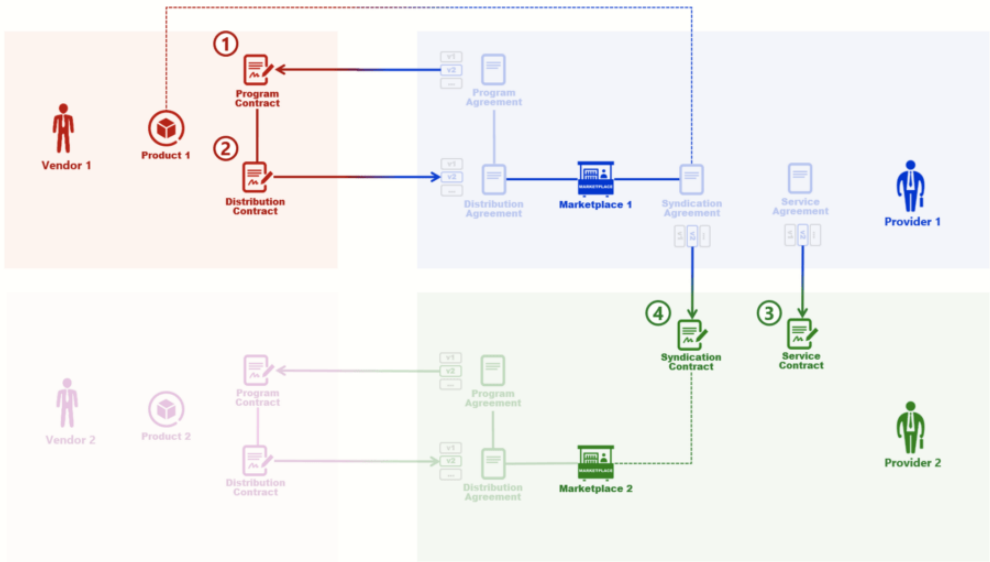
## 1.11 News and announcements opt-in/out preferences for users

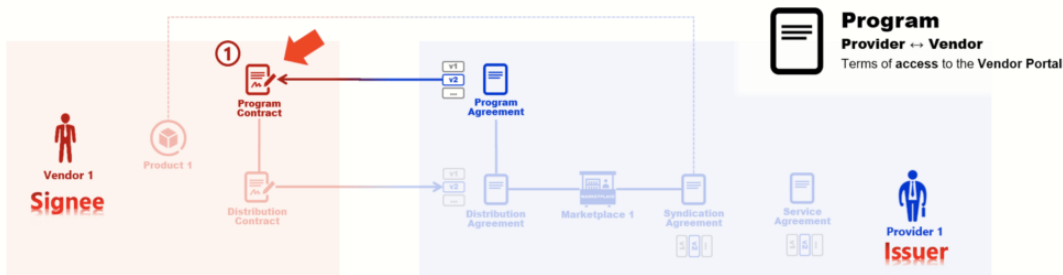
Users can now **opt-in** or **opt-out** to receive **notifications from CloudBlue Connect**, such as upcoming updates, release notifications, emergency notifications, and other Connect platform announcements.

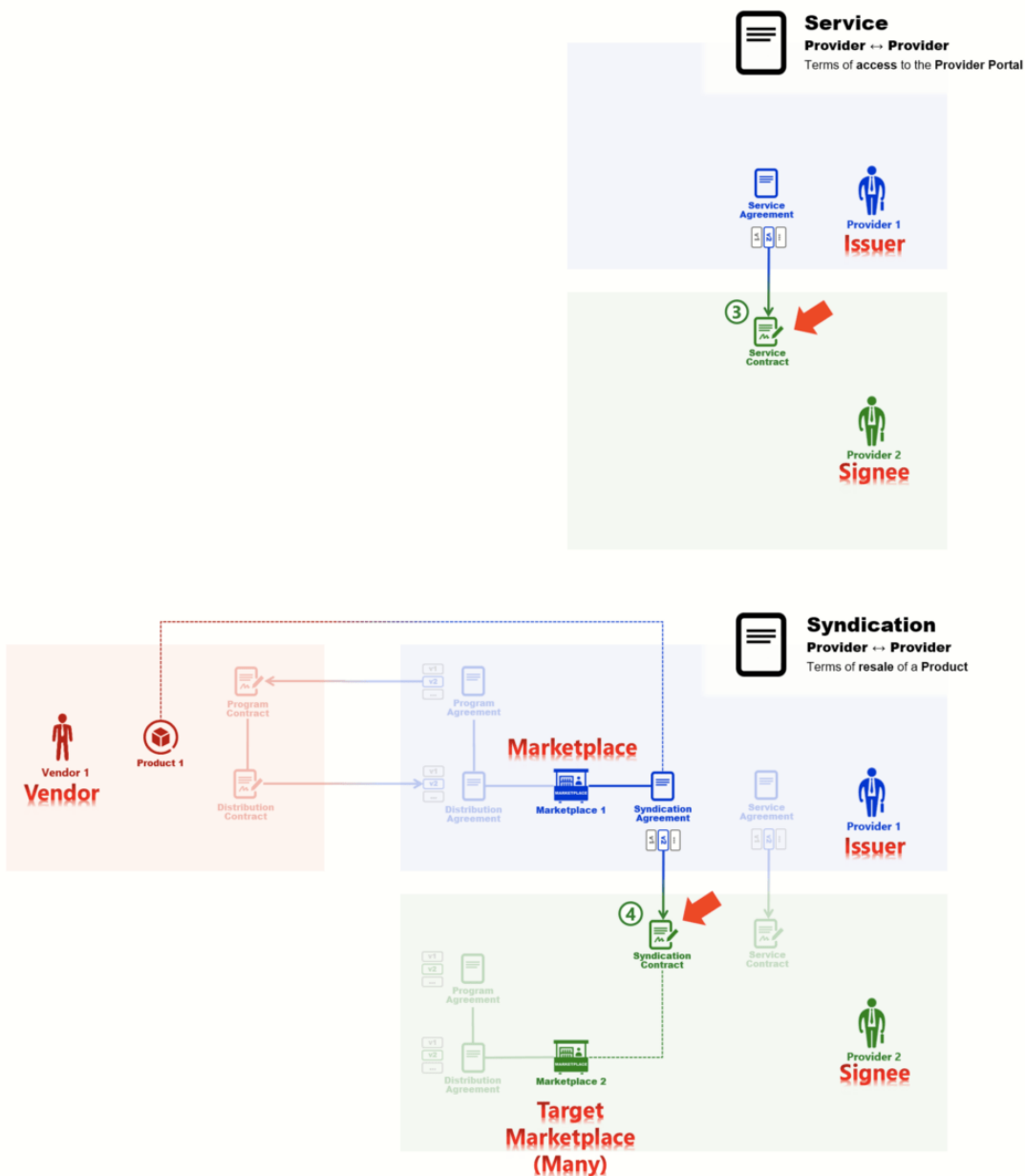


### 1.12 Unified Contracts and Agreements Terminology Changes

Unified naming of relations (signee, issuer, etc.) between actors in various agreements and contract types as illustrated by the following diagrams:







The Contracts Management List has been updated to include

### 1.13 Other Changes

- **'Extensions'** module has been renamed to **'Integrations'**. Connect extensions (prebuilt plugins) are now located in the **Extensions sub-tab**, which links to our new **Extensions catalog**.
- **Update Listing Requests** have been **removed**. Providers now automatically receive the latest version of Product Definitions when published by Vendors.
- Vendors can now select a **future period** when submitting usage files. Please note that separate product capability needs to be enabled for the product to support this.

## 2. CloudBlue Connect Extensions

### 2.1 New Amazon Web Services Marketplace Extension

Publish your products to the Amazon Web Services Marketplace (<https://aws.amazon.com/marketplace>) without any additional development with this CloudBlue Connect Extension.



AWS Marketplace is a digital catalog with thousands of software listings from independent software vendors that make it easy to find, test, buy, and deploy software that runs on AWS. The marketplace provides a new sales channel for ISVs and Consulting Partners to sell their solutions to AWS customers. AWS Marketplace makes it easy for customers to find, buy, deploy, and manage software solutions, including SaaS, in a matter of minutes.

Please contact us to find out more about our early adopters program.

### 2.2 New Microsoft Commercial Marketplace Extension

Publish your products to the Microsoft Azure Marketplace (<https://azure.microsoft.com/en-us/marketplace>) and Microsoft AppSource Marketplace (<https://appsource.microsoft.com>) without any additional development with this CloudBlue Connect Extension.



## CloudBlue

Microsoft AppSource and Azure Marketplace allow businesses to publish their cloud solutions. These marketplaces help business users find, try, and use line-of-business SaaS apps from Microsoft and their partners. Through AppSource, ISVs and other partners can reach a broad range of customers right where the users are and in a way convenient for them, either through the AppSource website or within the context of the Microsoft services they're already using.

Please contact us to find out more about our early adopters program.

### 2.3 New Google Cloud Platform Marketplace Extension

Publish your products to the Google Cloud Platform Marketplace (<https://cloud.google.com/marketplace>) without any additional development with this CloudBlue Connect Extension.



Google Cloud Marketplace lets you quickly deploy functional software packages that run on Google Cloud. ISVs can offer production-ready stacks, solutions, datasets, and services to accelerate development, so that end-users spend less time installing the software. ISVs can offer solutions with pricing features that customers are used to, such as subscriptions, pay-as-you-go, and custom pricing. Users can explore, launch, and manage production-grade solutions in just a few clicks.

Please contact us to find out more about our early adopters program.

### 2.4 Updated CloudBlue Commerce Extension



#### Attention

It is required to **install the latest (20.5.0.439)** version of the **Abstract Types Package** and latest **(21.0-7) Extension Package** into the CloudBlue Commerce instance in order to install any new versions of products. **Otherwise, any new product package deployment will fail** with errors like *'Package metafile URI of type ... not found'*.

Please see CB Commerce Extension v21 Release Notes for detailed information about CloudBlue Commerce Extension v21 release details.

## **2.5 New Flowgear Extension**

Flowgear is an enterprise-grade platform that enables companies of any size to boost productivity & profitability through pre-built, reusable integrations, and APIs.

Using Flowgear's robust platform, you can create enterprise-grade, code-free integrations for your business processes – quickly eliminating the time and cost of developing and maintaining individually hand-coded point-to-point connections.

## **3. CloudBlue Catalog**

### **3.2 New Extensions Catalog**

The CloudBlue Catalog now has a new section dedicated to first- and third-party extensions supported by CloudBlue Connect! The Extensions Catalog is located [here](#).

### **3.2 New Partners Catalog**

Quickly launch new products and services for the constantly evolving needs of our partners and their customers by quickly discovering new partnership opportunities with CloudBlue Partners Catalog. Shorten the time to market to introduce new products and services while saving resources to deploy them.