

NCE Integration Guide

Table of Contents

Document Control.....	3
Background.....	3
PRISM Glossary of Terms.....	3
Legacy Subscription.....	3
NCE Subscription.....	3
NCE Program Information.....	4
Subscription Actions.....	4
Quick Reference Table.....	4
New Orders.....	5
Change Quantity.....	8
Change Status.....	8
Suspend.....	8
Resume.....	8
Cancel.....	9
Renew – Annual Billing.....	9
Renew – Monthly Billing.....	9
Price Lists.....	10
Invoice Changes.....	11
Monthly Billing / Annual Term.....	11
Helpful New Data.....	12
Subscription Model.....	12
CancellationAllowedUntilDate.....	12
IsMicrosoftNewCommerceExperience.....	12
CommitmentEndDate.....	12
TermDurationNumber.....	12
TermDurationUnit.....	12
Product Model.....	12
ProductSku.....	12
IsMicrosoftNewCommerceExperience.....	12
Invoice CSV.....	13
TermDurationNumber.....	13

TermDurationUnit..... 13

BillingCycle..... 13

Document Control

VERSION	AUTHOR	DESCRIPTION	DATE
0.1	Hayden Richmond	Initial Draft	17/02/2022
0.2	Hayden Richmond	Updating for MORAH release	23/02/2022

Background

This document is to explain the changes which have occurred with the introduction of New Commerce Experience (NCE) and how this affects API users.

PRISM Glossary of Terms

Before delving into detail on the PRISM APIs you will need to understand some terms used in the PRISM platform to understand the design of the PRISM API's.

Legacy Subscription

A subscription which is associated with a product sold under the original sales motion operated by Microsoft. These products have a SKU in a GUID format e.g.: "61795CAB-2ABD-43F6-88E9-C9ADAE5746E0" for "Microsoft 365 Business Premium"

NCE Subscription

A subscription which is associated with a product sold under the new sales motion operated by Microsoft. These products have a SKU in a format separated by a colon e.g.: “CFQ7TTCOLCHC:0002” for “Microsoft 365 Business Premium (NCE Product)”. The name of NCE products will contain “(NCE Product)” to better highlight they are related to NCE, but this may change over time.

NCE Program Information

See detailed Operating Guide [here](#).

Subscription Actions

Quick Reference Table

Action	Backwards Compatibility	Change to API	Comments
New Orders	Yes	Some	
New Add-On Orders	N/A	No changes	NCE does not support Add-On products in the parent/child sense. Submit orders for Add-On products the same as base products.
Change Quantity	Yes	No changes	
Change Status – Suspend	Yes	No changes	
Change Status – Resume	Yes	No changes	
Change Status – Cancel	N/A	New API	
Renew – Annual Billing	Yes	No changes	
Renew – Monthly Billing	N/A	New API	ETA April 2022

New Orders

POST /api/v2/microsoftcsp/orders

https://api.prismportal.online/swagger/ui/index#!/Microsoft_CSP/MicrosoftCSPOrder_Create

Backwards compatible: Yes

- Orders for NCE products under a Monthly Billing Cycle will be interpreted as Monthly Term.
- Orders for NCE products under an Annual Billing Cycle will be interpreted as Annual Term.

Legacy products are unaffected in their behaviour. As such the behaviour continues to be:

- Orders for Legacy products under a Monthly Billing Cycle will be interpreted as **Annual Term**.
- Orders for Legacy products under an Annual Billing Cycle will be interpreted as Annual Term.

Customers must update their integrations if they require the ability to specify different combinations of billing cycle and term.

Users can see the valid billing cycle and term combinations available per product by referring to the product models returned on the available products API. Users will see a new property named "ProductTermBillingCycleCombinations".

GET /api/v2/microsoftcsp/tenants/{tenantId}/products/available

https://api.prismportal.online/swagger/ui/index#!/Microsoft_CSP/MicrosoftCSPTenantProducts_GetAvailable

"ProductTermBillingCycleCombinations": [

```
{  
  "TermDurationNumber": 1,  
  "TermDurationUnit": "MONTHS",  
  "BillingCycleOption": "Monthly"
```



```
"qty": 0,  
  "termDurationNumber": 0,  
  "termDurationUnit": "string"  
}  
],  
"orderBillingCycle": "Monthly"  
}
```

After submitting an order, please remember to call the “Long Running Task” route to get the status of the provisioning. This is particularly important when submitting an order for Annual Billing Cycle + Annual Term because for some customers this action will trigger a requirement for “Payment Upfront”. In this process, the order will not be processed with Microsoft until payment has been received by rhipe. Please speak with your rhipe Account Manager if this affects your integration.

```
New,  
    NewOrderSubmitted,  
    WaitingForTenantProvisioning,  
    GeneratingInvoice,  
    WaitingForInvoiceApproval,  
    WaitingForPaymentConfirmation,  
    ProvisioningOrder,  
    SendingConfirmationEmails,  
Failed,  
Complete,  
WaitingForMicrosoftAgreementSigning,
```

New Add-On Orders

POST /api/v2/microsoftcsp/orders/addons

https://api.prismportal.online/swagger/ui/index#!/Microsoft_CSP/MicrosoftCSPAddOnOrder_Create

Backwards compatible: N/A

NCE does have a concept of Add-On products which work based on a tenant having a base Product/Service. NCE rules change the relationship so an Add-On no longer has a parent subscription. Instead the Add-On product has prerequisites but PRISM will not enforce these. Microsoft Partner Center logic will enforce any requirements after user sends request to the main orders route.

Change Quantity

POST /api/v2/microsoftcsp/subscriptions/{subscriptionId}/quantity/{newQuantity}

https://api.prismportal.online/swagger/ui/index#!/Microsoft_CSP/MicrosoftCSPSubscription_UpdateQuantity

Backwards compatible: Yes

Rules of NCE will mean quantity change down will fail when performed outside of 3-day cancellation window. See "CancellationAllowedUntilDate".

Change Status

Suspend

POST /api/v2/microsoftcsp/subscriptions/{subscriptionId}/suspend

https://api.prismportal.online/swagger/ui/index#!/Microsoft_CSP/MicrosoftCSPSubscription_Suspend

Backwards compatible: Yes

Rules of NCE will mean NCE subscriptions on suspended status are still billed. Subscription will update to 'Deleted' status when the renewal date occurs. To stop charges see Cancel Subscription.

Resume

POST /api/v2/microsoftcsp/subscriptions/{subscriptionId}/resume

https://api.prismportal.online/swagger/ui/index#!/Microsoft_CSP/MicrosoftCSPSubscription_Resume

Backwards compatible: Yes

Cancel

POST /api/v2/microsoftcsp/subscriptions/{subscriptionId}/cancel

https://api.prismportal.online/swagger/ui/index#!/Microsoft_CSP/MicrosoftCSPSubscription_Cancel

Backwards compatible: New API

Stops a subscription from being billed. Can only be performed during the 3-day cancellation window. See “CancellationAllowedUntilDate”.

Renew – Annual Billing

POST /api/v2/microsoftcsp/subscriptions/{subscriptionId}/renew

https://api.prismportal.online/swagger/ui/index#!/Microsoft_CSP/MicrosoftCSPSubscription_Renew

Backwards compatible: Yes

For annual billing, annual term subscriptions, rhipe requires that users confirm renewal within 3 months of the subscription’s renewal date. This is unchanged under NCE.

Renew – Monthly Billing

New API Under Development. ETA April 2022.

For monthly term subscriptions, users will want to toggle if a subscription should renew or not. By default, all subscriptions are set to auto renew every month. The ability to turn off auto renew is required so that users can specify mid-month that the licenses are no longer required because NCE does not allow user to suspend a subscription mid-term anymore.

It is recommended that a support ticket be raised to partner.support@rhipe.com if user would like to toggle auto-renew off for a subscription mid-term.

Price Lists

GET /api/v1/{customerid}/pricing/byprogram/{programId}/pricelist/{targetCurrency}/{year}/{month}/{day}

https://api.prismportal.online/swagger/ui/index#!/Pricing/Pricing_GetPriceList

Backwards compatible: Yes

Under NCE, pricing will now be different when you purchase as Monthly or Annual Term. Under legacy, the annual price was 12 * monthly price. Under NCE the annual price has no relationship to monthly pricing.

Most API end points relating to pricing will now have an additional parameter to specify the billing cycle. This will provide the different pricing for each purchasing choice. When selecting Annual pricing, the API will return the price for the full year. If Tri-annual pricing is required, user must multiply the TermDurationNumber by the annual price. See "TermDurationNumber" under Data in this guide.

If no billing cycle option is provided in the API request, the API will default to Monthly pricing.

In the UI, the pricelists will display the information in a slightly different format to show the available billing cycle and term combinations.

Generate XLS

Product Name	Product SKU	Offered Billing Cycle (Terms)	Product Unit	Partner Cost ^λ	Retail Estimate ^λ
Office 365 - Business					
Microsoft 365 Business Premium	CFQ7TTC0LCHC:0002	Monthly (1 Month, 1 Year) Annual (1 Year)	license	\$18.00	\$20.00

Invoice Changes

Monthly Billing / Annual Term

Subscriptions which are configured to be monthly billing / annual term will be charged on your regular monthly invoices. The charges will appear similar however you will notice the Unit Price is for the full annual term, and the line sub-total is a daily prorated amount of the chargeable days.

You will also note that even when no changes are made to the subscription during the month, that the sub-total will not be a consistent amount each month. This is because each month has a different number of days. Since the annual charge is prorated by day you will notice the sub-total fluctuating. This differs from monthly billing / monthly term where the original advertised pricing is a set amount per month regardless of days.

Example Pricing:

	Monthly Billing / Annual Term*	Monthly Billing / Monthly Term*
Total Annual Price	\$312.84	\$312.84
Monthly amount charged for January with 31 days	\$26.57	\$26.07
Monthly amount charged for February with 28 days	\$24.00	\$26.07
Monthly amount charged for March with 31 days	\$26.57	\$26.07
Monthly amount charged for April with 30 days	\$25.71	\$26.07

*Note that this is only example pricing to emphasize the differences in proration. In reality, purchasing annual term is always cheaper than purchasing on a monthly term.

Helpful New Data

Subscription Model

GET /api/v2/consumption/subscriptions/{subscriptionId}

<https://api.prismportal.online/api/v2/microsoftsp/subscriptions/{SubscriptionId}>

CancellationAllowedUntilDate

Displays the UTC datetime that the 3-day cancellation window will close.

IsMicrosoftNewCommerceExperience

Displays if a subscription is associated to a product sold under NCE.

CommitmentEndDate

Unchanged but MS logic will see this updated to reflect the new Monthly term option. Monthly term subscriptions will see this value update every month.

TermDurationNumber

TBA. Specifies the number portion of a Term Duration. For example, a 3-year term denoted by Microsoft as P3Y would store the value "3" in this property.

TermDurationUnit

TBA. Specifies the unit portion of a Term Duration. For example, a 3-year term denoted by Microsoft as P3Y would store the value "YEARS" in this property. The value would still be set to 'YEARS' if the value was 1-year.

Product Model

GET /api/v1/{customerid}/pricing/byprogram/{programId}/pricelist/{targetCurrency}/{year}/{month}/{day}

https://api.prismportal.online/swagger/ui/index#!/Pricing/Pricing_GetPriceList

ProductSku

NCE products have a SKU in a format separated by a colon e.g.: "CFQ7TTC0LCHC:0002" for "Microsoft 365 Business Premium (NCE Product)". The name of NCE products will contain "(NCE Product)" to better highlight they are related to NCE, but this may change over time. Our recommendation is to refer to the format of the product SKU to identify if it belongs to NCE or not.

IsMicrosoftNewCommerceExperience

TBA. A Boolean to more easily identify a product belongs to NCE.

ProductTermBillingCycleCombinations

Holds the valid billing cycle and term combinations available for each product. Note that Microsoft does not support every combination for all products. Rhipe will also be restricting certain combinations to certain customers. Please speak with your rhipe Account Manager if you cannot access a combination you require.

Invoice CSV

GET /api/v1/{customerid}/invoice/{invoiceId}/csv

https://api.prismportal.online/swagger/ui/index#!/Invoices/Invoice_GetInvoiceCsv

TermDurationNumber

TermDurationUnit

BillingCycle

The invoice CSV file will be updated to include these three additional columns specifying these subscription details when downloading a csv for a consumption program such as Microsoft CSP.

Q	R	S
BillingCycle	TermDurationNumber	TermDurationUnit
Annually		1 YEARS
Annually		1 YEARS